
PULLER , TORQUE WRENCH
GENERAL
FORCE
AUTO &
SPECIAL TOOLS
ENGINE
BRAKE
TRANSMISSION
AUTO BODY



TÜV NORD

CERTIFICATE

Management system as per
ISO 9001: 2015

In accordance with TÜV NORD CERT and TUV AP Taiwan procedures, it is hereby certified that

SHYANG YUN TOOLS CO., LTD.
No. 161, Sitou Rd., Shengang District,
Taichung City 42953, Taiwan, Republic of China

FORCE

applies a management system in line with the above standard for the following scope

Design, Development and Manufacturing of Hand Tools, Auto Tools and Pneumatic Tools

Certificate Registration No. 44 100 072011
Audit Report No. TW-1760/2021

Valid from 2022-01-08
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Issue Date 2021-12-17
Initial Certification 2007-01-15

Certification Body
at TUV ASIA PACIFIC LIMITED Taiwan Branch

TUV ASIA PACIFIC LIMITED
Taiwan Branch
Room A1, 9F, No.333, Sec.2,
Tun Hua S. Rd.,
Taipei 10669 Taiwan, R.O.C.

This certification was conducted in accordance with the TUV ASIA PACIFIC LIMITED Taiwan Branch auditing and certification procedures based on TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

www.tuvnord.com.tw

IAF TAF
Management System Certification
MS014

ROC, TW1760, RC

General Information

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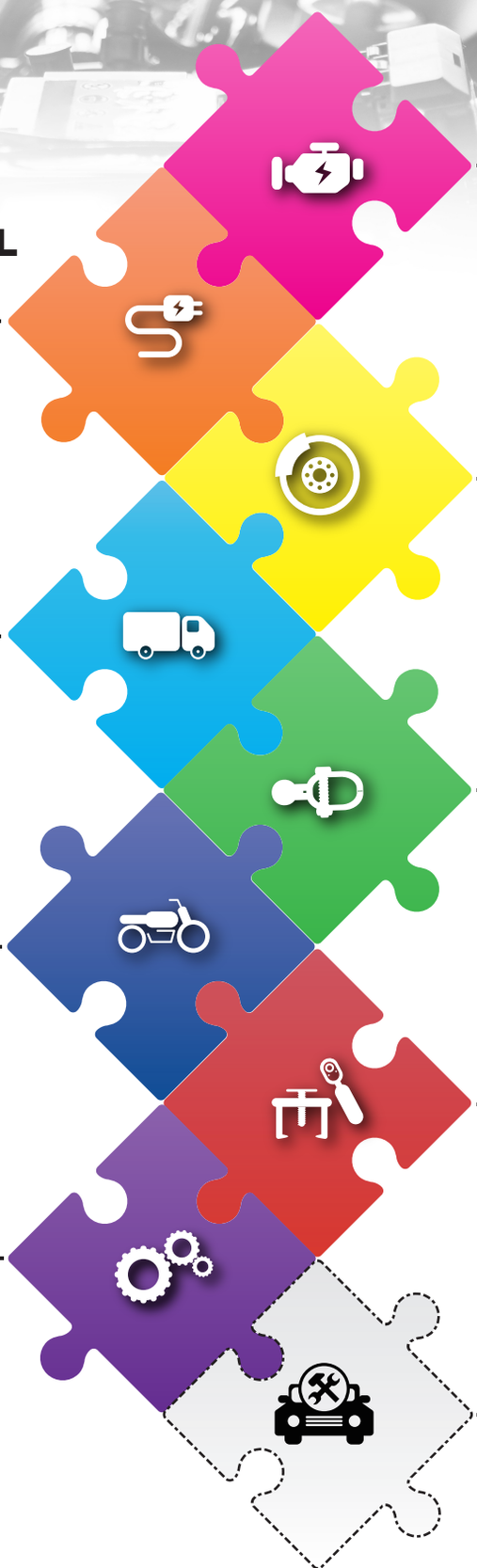
Anything you need for tools....



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Engine

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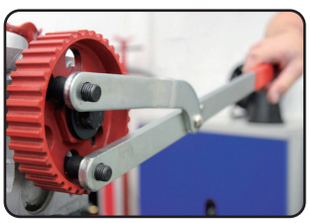
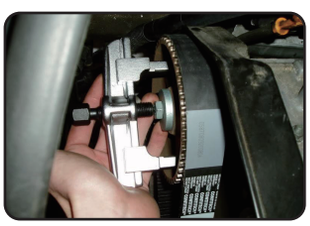
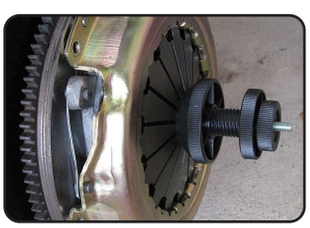


1-65 **Pulley puller tool**



1-71 **Clutch alignment tool**



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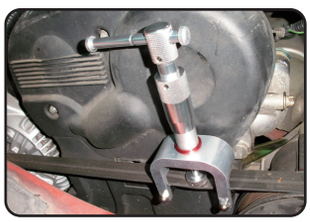

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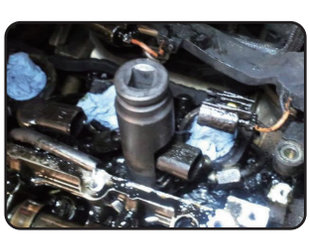

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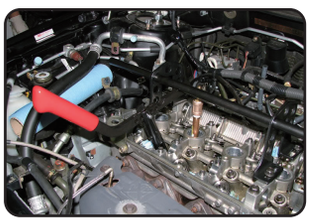
1-117 **Engine valve tool**



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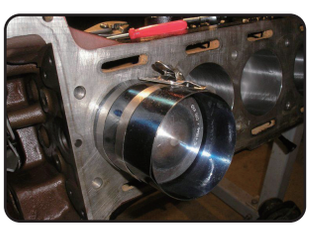

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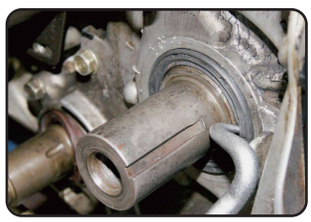
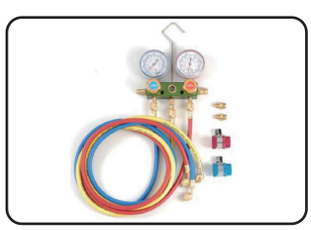


1-169 **Engine support / Crane tool**



1-171 **A/C tool**



1-176

13pc Spark plug maintenance kit



K913G5 6/16.3/17.3/1.5' 2720g

3/8"DR. Part

	2pc	Megnetic spark plug 16; 20.6 mm
	2pc	Torque adaptor 18Nm; 24Nm (8323 18...24)
	1pc	QR flexible pear ratchet handle 30teeth (802318)
	1pc	6"(150 mm)

Other

	1pc	Feeler gauges of 26 sizes (SAE&MM) (61802)
	1pc	Spark plug hole thread chaser (63001)
	1pc	14mm Spark plug hole rethreader (63004)
	1pc	Spark plug boot pliers (9G0107)
	1pc	Calibrated ignition tester (HEI system) (9G3101)
	1pc	Calibrated ignition tester (Standard system)(9G3102)
	1pc	Brass & nylon scrape brushes 3" (75mm) (9U3001)

10pc 3/8"DR. Spark plug socket set



T31010 6/13.2/14.2/0.65' 2278g

	4pc	Magnetic spark plug 14; 16; 18; 20.6 mm
	3pc	Magnetic spark plug 14; 16; 20.6 mm (250 mmL)
	2pc	Torque adaptor 18 Nm; 24 Nm
	1pc	Universal joint-extension type (80531E)

2pc Torque adapter set (for spark plug)



K3021 24/12/13/0.78' 500g

	2pc	832318 3/8"DR. 18 Nm 832324 3/8"DR. 24 Nm

4pc 3/8"DR. Magnetic spark plug socket (thin wall)

NEW



3041 — 60/21.3/22.3/0.5' — 356g

4pc	14; 16; 18; 20.6 mm (70mmL)

3/8"DR. Preset torques wrench



647...P	Capacity	*l*	
Part no.	Nm	mm	g
647318P	18	245	410
647324P	24	245	410

56pc Spark plug rethread kit



956G1 — 10/12.8/13.8/2.3' — 1234.5g

• Completed set for repairing spark plug thread - M10, M12, and M14

Contents:

15pc Screw-coil M10-1.0 x 3/8"
15pc Screw-coil M12-1.25 x 3/4"
15pc Screw-coil M14-1.25 x 7/16"
3pc Tap: M10-1.0, M12-1.25, M14-1.25
3pc Coil installation shank (Length: 90 mm): M10-1.0, M12-1.25, M14-1.25
3pc Coil shielding collar (Internal thread): M10-1.0, M12-1.25, M14-1.25
1pc Main tool
1pc Hex key

Spark plug hole rethreader

63001



63002



63003



63001 / 63002 / 63003

Part no.	Thread	packing	g
	mm		
63001	14 & 18	100/15.0/16.0/1.5'	150
63002	12 & 14	100/13.5/14.5/1.5'	135
63003	10 & 12	100/10.0/11.0/1'	100

- Applying company with 13/16" standard deep socket.



14mm Spark plug hole rethreader



63004

144/9/10/1.2' 66g

- Use it to clean and restore the threads on 14mm spark plug hole prior to installation of spark plug.
- Features extra-long neck for access to recessed spark plug cavities.
- Apply it accompanied with 3/8" drive or 5/8" standard socket.

5pc Spark plug rethreader set



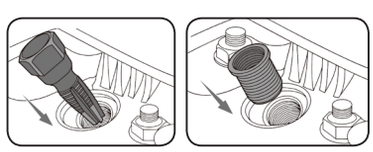
64101

96/15/16/1.2' 137g

- Repairing stripped or damaged threads in aluminum cylinder heads.
- Solid steel inserts replace damaged threads.

Contents:

1pc 14mm Spark plug rethreader
4pc Inserts 3/8", 7/16", 1/2", 3/4" long



3/8"DR. Universal spark plug socket (ball type)



8073...B	socket	mm	g	pc/box
Part no.				
807316B	16 mm	95	114	10
807320.6B	20.6 mm	95	150	10

3/8"DR. Universal magnetic spark plug socket (ball type)



8073...BM	socket	mm	g	pc/box
Part no.				
807314BM	14 mm	95	90	10
807316BM	16 mm	95	118	10
807320.6BM	20.6 mm	95	154	10

3/8"DR. Universal spark plug socket (joint type)



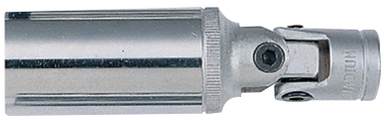
8073...U	socket	mm	g	pc/box
Part no.				
807316U	16 mm	95	114	10
807320.6U	20.6 mm	95	150	10

1/2"DR. Universal spark plug socket (joint type)



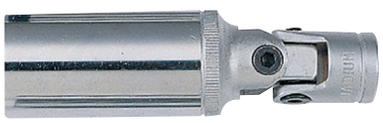
8074...U	socket	mm	g	pc/box
Part no.				
807416U	16 mm	100	102	10
807420.6U	20.6 mm	100	164	10

3/8"DR. Universal magnetic spark plug socket (joint type)



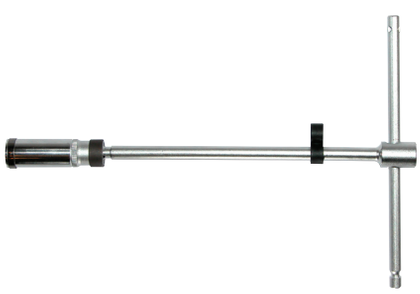
8073...UM	socket	mm	g	pc/box
Part no.				
807314UM	14 mm	95	88	10
807316UM	16 mm	95	114	10
807320.6UM	20.6 mm	95	150	10

1/2"DR. Universal magnetic spark plug socket (joint type)



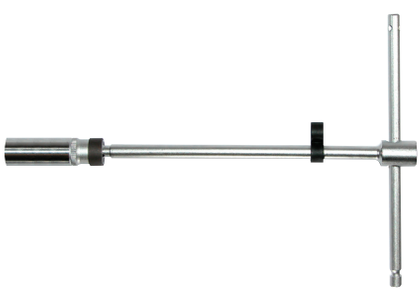
8074...UM	socket	mm	g	pc/box
Part no.				
807416UM	16 mm	100	102	10
807420.6UM	20.6 mm	100	164	10

3/8"DR. Universal spark T wrench (ball type)



8073...B	socket	mm	g	pc/ctn
Part no.				
807330016B	16 mm	300	354	40
807330020.6B	20.6 mm	300	392	40
807350016B	16 mm	500	552	30
807350020.6B	20.6 mm	500	590	30

3/8"DR. Universal magnetic spark T wrench (ball type)



8073...BM	socket	mm	g	pc/ctn
Part no.				
807330016BM	16 mm	300	354	40
807330020.6BM	20.6 mm	300	392	40
807350016BM	16 mm	500	554	30
807350020.6BM	20.6 mm	500	592	30

3/8"DR. Universal spark T wrench (joint type)



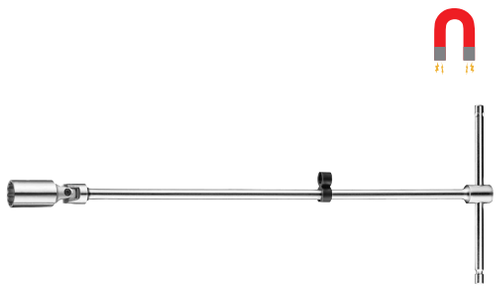
8073...U		l		
Part no.	socket	mm	g	pc/ctn
807330016U	16 mm	300	354	40
807330020.6U	20.6 mm	300	392	40
807350016U	16 mm	500	552	30
807350020.6U	20.6 mm	500	590	30
807380016U	16 mm	800	850	15
807380020.6U	20.6 mm	800	888	15

1/2"DR. Universal spark T wrench (joint type)



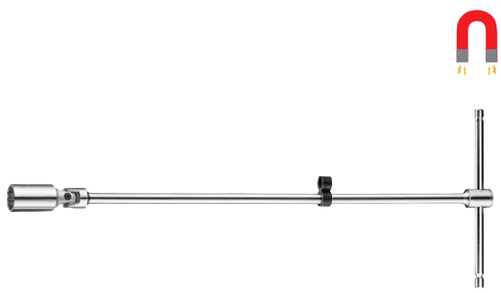
8074...U		l		
Part no.	socket	mm	g	pc/ctn
807430016U	16 mm	300	646	30
807430020.6U	20.6 mm	300	684	30
807450016U	16 mm	500	936	20
807450020.6U	20.6 mm	500	974	20
807480016U	16 mm	800	1150	15
807480020.6U	20.6 mm	800	1188	15

3/8"DR. Universal magnetic spark T wrench (joint type)



8073...UM		l		
Part no.	socket	mm	g	pc/ctn
807330016UM	16 mm	300	356	40
807330020.6UM	20.6 mm	300	394	40
807350016UM	16 mm	500	554	30
807350020.6UM	20.6 mm	500	592	30
807380016UM	16 mm	800	852	15
807380020.6UM	20.6 mm	800	890	15

1/2"DR. Universal magnetic spark T wrench (joint type)



8074...UM		l		
Part no.	socket	mm	g	pc/ctn
807430016UM	16 mm	300	356	30
807430020.6UM	20.6 mm	300	394	30
807450016UM	16 mm	500	554	20
807450020.6UM	20.6 mm	500	592	20
807480016UM	16 mm	800	852	15
807480020.6UM	20.6 mm	800	890	15

3/8"DR. Magnetic long spark plug socket



8073250...M		l		
Part no.	socket	mm	g	pc/box
807325014M	14 mm	250	316	10
807325016M	16 mm	250	344	10
807325020.6M	20.6 mm	250	440	10

3/8"DR. Spark plug socket



8073		l		
Part no.	socket	mm	g	pc/box
807314	14 mm	63	65	10
807316	16 mm	63	96	10
807318	18 mm	63	125	10
807320.6	20.6 mm	63	150	10

1/2"DR. Spark plug socket



8074		l		
Part no.	socket	mm	g	pc/box
807414	14 mm	65	65	10
807416	16 mm	65	92	10
807418	18 mm	65	133	10
807420.6	20.6 mm	65	156	10

3/8"DR. Magnetic spark plug socket



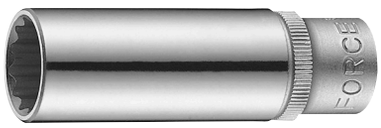
8073...M		l		
Part no.	socket	mm	g	pc/box
807314M	14 mm	70	74	10
807316M	16 mm	70	80	10
807318M	18 mm	70	122	10
807320.6M	20.6 mm	70	151	10

1/2"DR. Magnetic spark plug socket



8074...M	socket	mm	g	pc/box
Part no.				
807414M	14 mm	70	78	10
807416M	16 mm	70	86	10
807418M	18 mm	70	146	10
807420.6M	20.6 mm	70	144	10

3/8"DR. Magnetic spark plug socket (Thin wall)



8073...MTH	socket	mm	mm	g	pc/box
Part no.					
807314MTH	14 mm	70	18	74	10
807316MTH	16 mm	70	19.9	80	10
807318MTH	18 mm	70	23	122	10
807320.6MTH	20.6 mm	70	26	151	10

Spark plug gauge



63008 288/5.5/6.5/0.5' 26g

- This popular solid steel spark plug gauge is designed with a tapered edge for gauging spark plugs and with a flanged hole to adjust the side wire of plugs without pressuring center electrode. Marked in standard and metric sizes.
- Size range: 0.020" to 0.100" (0.5 mm to 2.53 mm)




Spark plug terminal pliers



9G0101 96/28.8/29.8/2.2' 300g

- Safely remove spark plug cables and prevent cable damage.
- Handles and jaws of the pliers are coated with a heavy-duty plastic for a sure grip.

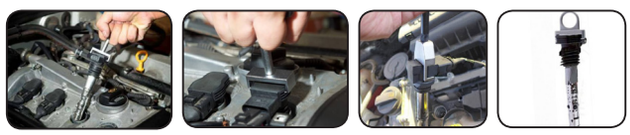


4pc VW, AUDI Ignition coils puller set



904T5 20/18.2/19.2/2.9' 892g

- Used for VW Bora, Golf, New Beetle, Passat, Polo, Touran 1.4/1.6L, Lupo 4-ZYI. FSI, Phaeton and T4, BBY, BKY1.4.
- Used for VW Bora, Golf, Passat, Sharan, Touareg, R32, Phaeton and T5, V5 2.3, V6 3.2.
- Used for VW 8 and 12 cylinder engines e.g. Phaeton, B5 1.8T, GTI. FSI 2.0.
- This tool can be used for most of VW-Audi injection engines.



Ignition coil puller for VAG

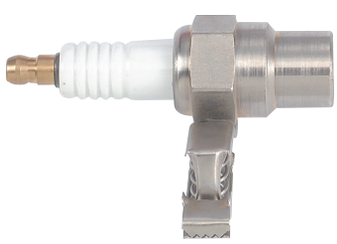


9G3103 48/6.6/7.6/1.53' 116g

- Used for removing "pencil-type" ignition coil on 4-cyl.
- Application:
  Audi: A3 (13-)
  Porsche: Macan (14-)
  Seat: Ibiza (08-), Mii (11-), Leon (13-)
  Skoda: Octavia (13-)
  VW: Golf (13-), Jetta (11-)



Calibrated ignition tester



9G3101/9G3102 100/6/7/2.0' 60g

- **9G3101** is for HEI system
- **9G3102** is for standard system



In-line spark plug tester



88409 100/9/10/2' 65g

- Handy pocket screwdriver type.
- Checks dead spark plugs in automotive.
- CE approved.



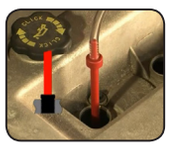
Top dead center (TDC) indicator set



912G9

40/7.7/8.7/1.2' 195g

- Application: diesel and petrol engines for cars and vans.
- A pneumatic indicator for finding top dead center (TDC) position on Petrol and Diesel engines.
- The TDC Indicator is located into the spark plug/ glow plug hole, and as the engine is rotating, clearly shows when the piston has achieved TDC by visible movement of the indicator float.
- Adaptors for 8 mm to 18 mm spark plug and glow plug holes.
- Magnetic attachment for hand free use.

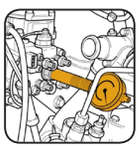
Diesel fuel pump timing set



911G9

12/11.4/12.4/1.3' 959g

- This precision measuring instrument is designed for resetting the timing position on diesel engines with the following fuel pumps: Bosch, EP/VE Rotory, Kikki, Nippon Denso, Cav Roto Diesel, Top Entry fuel pumps.
- Applicable diesel engines:
  Alfa Romeo, Audi, BMW, Daihatsu, Fiat, Ford, Isuzu, Iveco, Lancia, Land Rover, Mazda, Mitsubishi, Nissan, Renault, Rover, Vauxhall and VW etc.
- Reading of gauge: 0.01 mm

13pc Diesel and petrol engine timing kit



913G3

20/22.1/23.5/1.4' 1100g

- For use on Audi, Citroen, Peugeot, Volkswagen and Volvo diesel and petrol engined cars and light commercial vehicles.
- After use, remove all setting pins & locking plates.Turn the engine over twice by hand to complete a full cycle. Regain T.D.C. (top dead center) & insert setting tools to re-check the alignment is correct. Remove setting tools and check there is no obstruction by turning the engine over twice by hand again to complete a full cycle.

19pc Petrol engine twin cam locking / setting tool and flywheel holding tool kit



919G1

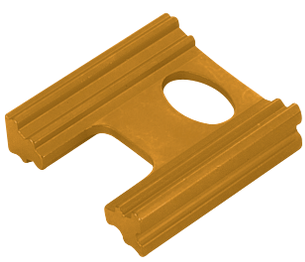
10/15.8/16.8/2.16' 1617g

• Suitable for a range of vehicles including:
Ford, Honda, Land Rover, Rover, VW, Renault, Citroen, Peugeot, Fiat and Vauxhall / Opel.

Contents:

10pc Camshaft locking tool
- 4pc Locking pins
- 1pc Setting and locking plate
- 1pc Balancer pin
- 2pc TDC Location pin and flywheel holding tool

Camshaft locking tool



9G1201

36/3.24/4.24/2.6' 90g

• ECOTEC suitable for 16V 1.8 / 2.0 liter engines.



Camshaft locking tool



9G1202

72/9.36/10.36/1.5' 130g

• ECOTEC suitable for 16V 1.4 / 1.6L engines.



Camshaft locking tool



9G1203

36/2.52/3.52/2.8' 70g

• For use on Saab & Vauxhall Opel
• Vauxhall Cavalier 2.5I, Calibra 2.5I
• Vectra 2.50, Mega 2.5 / 3LIT, Sintra 3LIT
• Saab 900 2.5, 9000 3.0 V6



Camshaft locking tool



9G1204 48/3.46/4.36/1' 70g

- For use on Saab & Opel
- Vauxhall Cavalier 2.5I, Calibra 2.5I
- Vectra 2.5/3, Olit, Sintra 3LIT
- Saab 900 2.5, 9000 3.0 V6

Camshaft locking tool

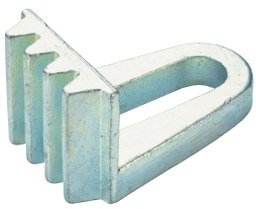


9G1205 60/3.75/4.75/3.3' 63g

- For rover K16 DOHC engines. Locks camshaft during servicing etc.
- Before use refer to the vehicle manufacturers workshop manual.

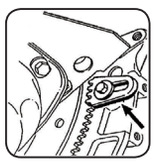


Flywheel holding tool

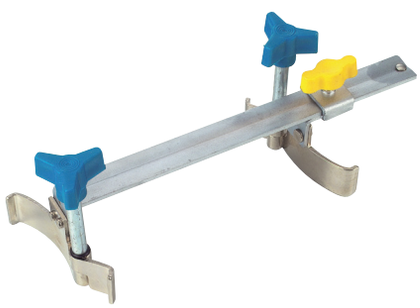


9G0605 120/9.0/10.0/1.5' 75g

- For use on Citroen, Fiat LDV & Peugeot.



Universal twin/4 cam lock (gas and diesel engines)



9G2401 32/11.8/12.8/4.2' 370g

- It's designed to lock twin camshafts to timing marks during timing belt replacement. Fit onto sprockets and extend to lock in to sprocket teeth adjustable arms.
- To fit various diameters and tooth pitch. Also suitable for locking between cam and diesel injection pump sprockets.
- One man operation.



Engine timing tools set for VAUXHALL / OPEL diesel 1.9 2.0 CDTI



905G16

10/11.5/12.5/1' 764g

- Suitable for timing belt replacement on Vauxhall / Opel and Saab vehicles fitted with 1.9 2.0 CDTi / TiD engines.
- Kit contains camshaft alignment screws, crankshaft pulley alignment tool and tensioner pin.
- Application:

Vauxhall / Opel:

2004-2011 Astra-H 1.9 CDTi
2004-2008 Vectra-C 1.9 CDTi
2004-2008 Signum 1.9 CDTi
2005-2012 Zafira-B 1.9 CDTi
2008-2012 Insignia 2.0 CDTi



Engine timing tool set for VAUXHALL / OPEL



920G2

5/19.0/21.5/1.7' 3800g

- Changing the timing belt suitable for identical engines in e.g: Saab, Renault, etc.
- Locking the camshaft and crankshaft.
- Application for:

Diesel engine:
Agila, Combo-C, Corsa, Frontera, Omega, Sintra, Tigra (1.3CDTi 16V, 1.9CDTi, 2.0DTi, 2.2DTi)
Petrol engine:
Agila, Astra, Corsa, Frontera, Omega, Sintra, Speedster, Tigra, Vectra, Zatira
(1.0 12V / 1.2 16V (since 97),
1.4 / 1.6 / 1.8 / 2.0 / 2.2 16V (since 95))

Engine timing tool set for VAUXHALL / OPEL 1.0, 1.2, 1.4, 1.6



907G18

10/17/18/1.5' 1885g



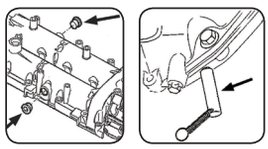
- Designed to lock the cam-shaft and crankshafts in position to allow the removal and replacement of the timing chain fitted to the Vauxhall / Opel twin Cam 1.0, 1.2, 1.4 and 1.6 petrol engines.
- Application:

Vauxhall / Opel:

2000-2003 Agila	2006-2014 Corsa-D
2008-2010 Agila-B	2000-2014 Corsa-C
2012-2017 Adam	2015-2017 Corsa-E
2014-2017 Adam Rocks	2011-2016 Insignia
2011-2016 Ampera	2010-2017 Meriva-B
2009-2017 Astra-J	2012-2016 Mokka
2013-2016 Cascada	2012-2017 Zafira-C Tourer

Engine timing tool set for VAUXHALL / OPEL / SUZUKI / FIAT 1.3 CDTI





904G5

24/11.7/12.3/1.6' 462g

- Designed to lock the cam-shaft and crankshaft in position to allow the removal and replacement of the timing chain fitted to the Vauxhall, Opel, Suzuki and Fiat 1.3 Diesel engines.
- Applications:

Alfa Romeo: 2008-2016 Mito

Citroën: 2010-2016 Nemo

Fiat: 2007-2016 500
2004-2010 Doblo / Cargo
2008-2016 Fiorino
2007-2011 Linea
2005-2011 Grande Punto
2003-2016 Panda
2003-2011 Punto
2009-2014 Punto Evo
2008-2016 Qubo

Ford: 2009-2015 Ka

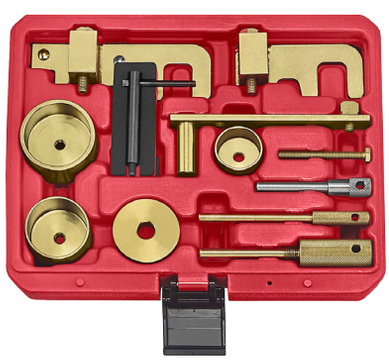
Vauxhall / Opel:
2003-2008 Agila
2008-2010 Agila-B
2004-2011 Astra-H
2009-2015 Astra-J
2003-2012 Combo-C
2003-2012 Corsa-C
2006-2014 Corsa-D
2004-2010 Meriva-A
2010-2015 Meriva-B
2004-2010 Tigra-B

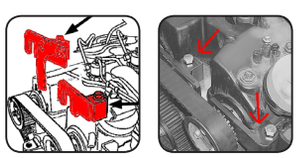
Lancia: 2004-2013 Musa
2003-2015 Ypsilon

Peugeot: 2010-2016 Bipper

Suzuki: 2003-2009 Ignis
2008-2011 Splash
2006-2014 Swift
2003-2008 Wagon R+

Engine timing tool set for RENAULT / VAUXHALL / OPEL / NISSAN





911G5

10/20.77/21.77/1.6' 2078g

- Prevent the belt tensioner of engine camshaft from turning when changing a timing belt or during other engine repairs.
- Specially designed for the Renault, Vauxhall and Nissan 1.5L (K9K), 1.9L (F9Q), 2.2L (G9T), and 2.3 / 2.5L (G9U) DCi diesel engines.
- Application:

Renault:
1999-2011 Clio II, III, IV
2009-2015 Fluence
1999-2013 Kangoo
1999-2015 Laguna I, II, III
2004-2011 Modus / Grand Modus
1999-2009 Espace / Grand Espace III, IV
1999-2015 Scenic / Grand Scenic I, II, III, IV
1997-2012 Megane I, II, III, IV
2001-2010 Master II
2001-2012 Trafic II
2005-2011 Logan / Logan MCV

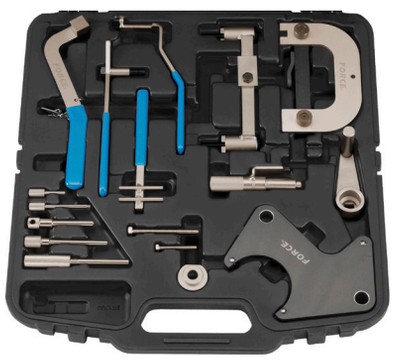
Nissan:
2008-2011 Cube Z12
2002-2011 Interstar X70
2010-2012 Juke F15
2003-2009 Kubistar X76
2003-2010 Micra K12
2006-2012 Note E11
2009-2012 NV200 M20
2002-2012 Primastar X83
2003-2007 Primera P12
2014-2015 Pulsar
2010-2014 Qashqai / +2 J10
2014-2015 Qashqai J11
2007-2011 Tiida C11

Vauxhall / Opel:
2000-2010 Movano-A
2001-2012 Vivaro

Engine timing tool set for RENALT

917G1

5/26.1/27.1/3.5' 5.2kg



- This comprehensive timing tool set can correct engine timing when replacing the timing belt.
- Application:

Petrol engines:

1.2	D7F
1.2, 1.4, 1.6	E5E7F/E7J/K7M
1.7, 1.8, 2.0	F1N/F3N/F3P/F2R/F3R
2.0, 2.2	J5R/J7R/J5T
1.4, 1.6 16V	K4J/K4M
1.8, 2.0 16V	F4P/F4R
2.0 16V/2.5 20V	N7Q 704/710/711; N7U 700/701

Diesel engines:

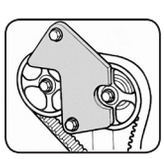
1.9, 2.5, 2.8	F8M/F8Q/G8T/J8S/F9Q/S8U/S9U/S9W

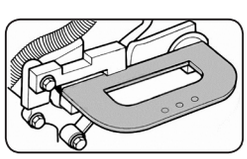
Engine timing tool set for RENALT

905G20

10/22.7/23.7/2.9' 2281kg







- This new camshaft pulley setting tool holds two pulleys in place whilst changing the cam belt and correct engine timing to be performed when changing the timing belt.
- Applicable:

Renault: 16V & K4J, K4M & F4P, F4R.
1.4 16V K4J.
1.6 16V K4M.
1.8 16V F4P & F4R (Laguna II).

Engine timing tool set for RENAULT / NISSAN / OPEL 2.0 DCI / CDTI

908G12

10/19.6/20.6/1.1' 2000g





Vauxhall/Opel:
2010-2017 Movano-B
2006-2015 Vivaro

- This engine timing tool set includes important tools for Chain driven dCi diesel engines.
- This is a Chain driven engine and not considered a service time.
- The Chain will only need replacement or checking if the sprockets or tensioners are dismantled.
- Applicable:

Renault:	2006-2010	Espace	2006-2010	Magane II
	2008-2015	Koleos	2010-2015	Master II
	2005-2007	Laguna II	2006-2009	Scenic
	2007-2015	Laguna III	2006-2014	Trafic II
	2006-2010	Grand Espace IV		
	2006-2009	Grand Scenic II		
Nissan:	2006-2015	Primaster X83	2007-2014	X-Trail T31
	2007-2014	Qashqai+2 J10		

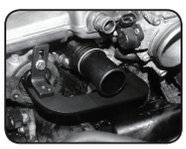
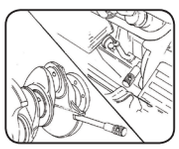
Engine timing locking tools for RENAULT



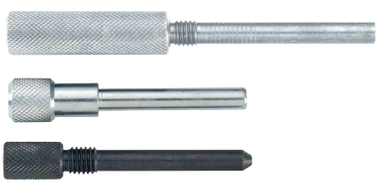
902G5

30/15/16/1.4' 504g

- Can be used for Renault Laguna 2.0 IDE (2001-2005) F5R engine.

Engine timing tool set for RENAULT 1.5, 1.9 DCI



903G5

60/14.4/15.4/1.1' 2.45kg

- Laguna, Kangoo and Clio-Diesel
- Crankshaft timing PIN-MOT 1489 1.5 DCI
- Camshaft timing PIN-MOT 1430 1.5 DCI
- Crankshaft timing PIN-MOT 1054 1.9 DCI
- Application:

2001-2008 Clio 1.5 DCi	1997-2003 Laguna 1.9 DTi
1999-2003 Clio 1.9 DTi	1995-1999 Scenic 1.9 TD
1997-2002 Espace 1.9 TDi	2002-2005 Scenic II 1.5 DCi
2004-2008 Kangoo 1.5 DCi	
1999-2003 Kangoo 1.9 DTi	
1995-2003 Megane 1.9 D/TD/TDi	
2002-2005 Megane II 1.5 DCi	

Engine timing tool set for RENAULT 1.8 / 2.0 16V



907G15

15/15/16/0.86' 1000g

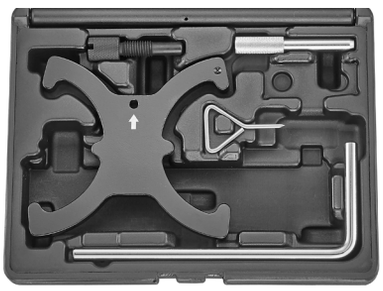
- Specially designed to lock the camshaft sprockets on Renault 1.8/2.0 16v petrol engines.
- Required for releasing the camshaft sprocket bolts when timing engines, after belt replacement.
- Applicable:

Renault 1.8 16V:
F4P 770/722/770/771/772/773/774/775

Renault 2.0 16V:
F4R 700/701/712/713/714/715/720/730/732/736/738/740/741/744/746/747/760/761/762/763/764/765/766/767/770/771/774/776/784/786/787/790/792/794/795/797/830



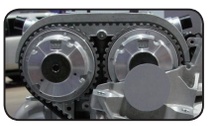
Timing locking tools for FORD

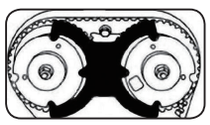


905G8

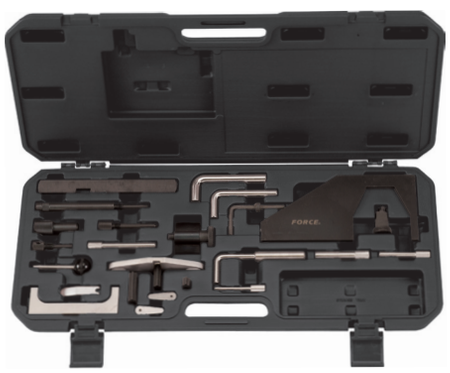
10/14/14.5/0.81' 1400g

- This set is essential for replacing the cam belt on Ford Focus/C-Max 1.6 TI-VCT with engine code HXDA (03-07) and 2.0 TDCI with engine codes G6DA, G6DB & G6DC (03-07).
- Also required flywheel locking tool and adaptors.





Engine timing tool set for FORD / MAZDA





922G2

5/16.5/17.5/2' 3.3kg

- This comprehensive timing tool set can correct engine timing when replacing the timing belt.
- Application:

Ford:

1995-2008	Courier	2006-2008	Galaxy
1995-2008	Fiesta	1993-2008	Mondeo
1998-2008	Focus	2006-2008	S-Max
2003-2008	Focus C-Max	2002-2008	Tourneo Connect
2002-2008	Fusion	2002-2008	Transit Connect

Mazda:

2006-2013	3	2006-2015	CX-7
2010-2013	5	2006-2015	MPV
2005-2013	6		

Engine timing tool set for FORD



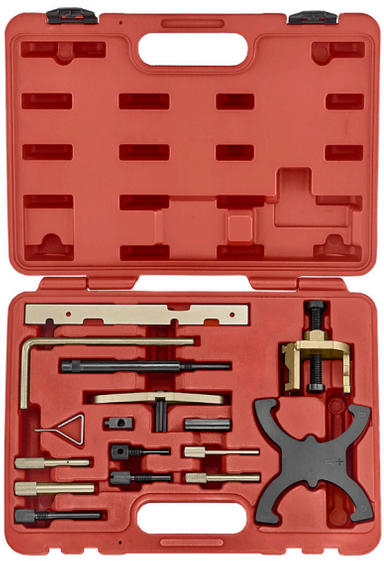


911G6

10/16/17/1.2' 1864g

- This tool set comes with retention tools and injection pump removal/installation tools for Ford 2.0 and 2.4 Duratorqu diesel engines.
- Engine codes:
  ABFA, D5BA, D6BA, F3FA, FIFA, FMBA, FMBB, D2FA, D3FA, D4FA, D0FA, F4FA, FXFA, H9FA, HJBA, HJBB, HJBC, HJBE, N7BA, N7BB, QJBA, QJBB, QJBC, SDBA
- Application:
  2001-2007 Mondeo 2.0/2.2 TDdi/TDCi
  2000-2014 Transit 2.0/2.2/2.4 TDdi/TDCi
  2003-2010 Jaguar X-Type 2.0/2.2 D
  2002-2006 LDV Convoy 2.4 TD/Tdi

Engine timing tool set for FORD



916G5

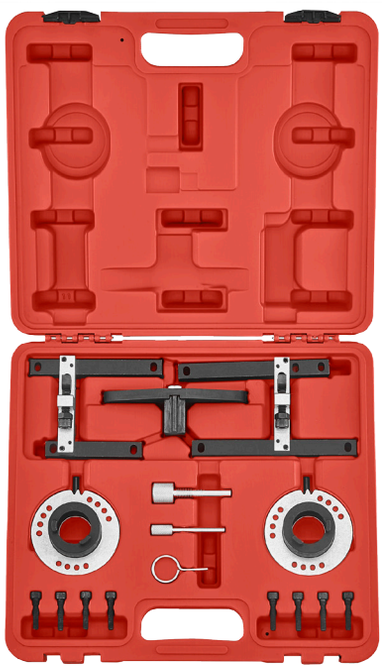
5/12.3/13.5/1.28' 2422g

- Combination kit of setting and locking tools suitable for a wide range of Ford petrol & diesel engines.
- Also suitable for these engines fitted in Land Rover, Mazda, PSA, Suzuki and Volvo vehicles.
- Kit consists of camshaft, crankshaft/flywheel and tensioner locking tools, plus camshaft sprocket remover.
- Application:

Petrol:
2002-2008 C-Max 1.8/2.0
2004-2009 C-Max 1.6 VCT-Ti
1995-2008 Fiesta 1.25/1.4/1.6
1998-2008 Focus 1.4/1.6/1.8/2.0
2004-2009 Focus 1.6 VCT-Ti
2002-2008 Fusion 1.25/1.4/1.6
2002-2006 Tourneo Connect 1.8
2002-2006 Transit Connect 1.8
1998-2008 Mondeo 1.8/2.0
1997-2002 Puma 1.7

Diesel:
2003-2008 C-Max 1.6/2.0
2000-2002 Courier 1.4/1.6/1.8
2006-2008 Galaxy 2.0
2002-2009 Fiesta 1.4/1.6/1.8
1998-2000 Focus 1.6/1.8/2.0
2002-2008 Tourneo Connect 1.8
2002-2008 Transit Connect 1.8
2002-2008 Fusion 1.4
2007-2008 Mondeo 2.0
2006-2008 S-Max 2.0

Engine timing tool set for FORD 1.0 Ecoboost

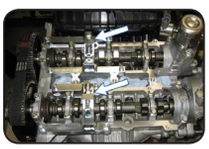


916G6

3/13.1/14.1/1.3' 4337g

- Contains tools vital for setting and locking the engine and for setting the position of the variable cam timing units.
- Application:

2013-2017 B-Max
2012-2017 C-Max
2013-2016 Connect
2012-2016 Courier
2013-2017 Ecosport
2013-2017 Fiesta
2012-2017 Focus
2012-2017 Grand C-Max
2015-2017 Mondeo
2013-2015 Tourneo Connect
2015-2017 Transit Connect





Engine timing tool set for FORD 2.0 Ecoboost



905G22

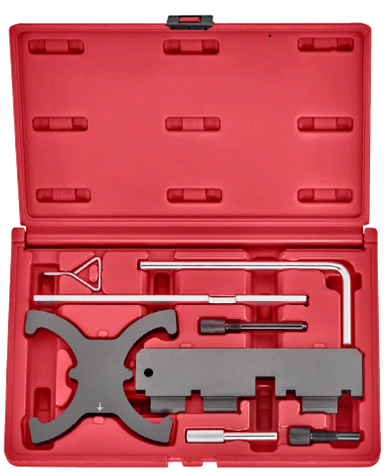
12/15.4/16.4/1.2' 1279g

- The set includes cam & crankshaft alignment tool and tensioner locking pin.
- Suitable for Ford fitted with SCTi Ecoboost/Ti-VCT 2.0lt direct injection engines.
- Camshaft tool used for vehicles manufactured in or after May 2011.
- Application: 2010-2018 Galaxy 2010-2018 Mondeo
  2011-2018 Focus 2010-2018 S-Max




Engine timing tool set for FORD 1.6 Ecoboost

NEW



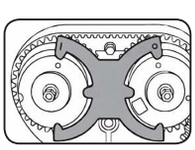
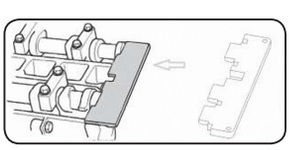
907G21

8/13.5/14.5/0.86' 1690g

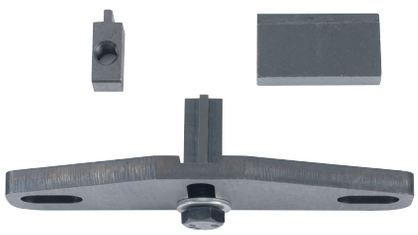
- Specially-designed for aligning the engine timing for Ford 1.6 Ti-VCT, 1.5/1.6VVT Ecoboost engine.
- Application:

Ford: 2012-2017 B-Max 2013-2015 Kuga
2003-2017 C-Max 2007-2015 Mondeo
2008-2017 Fiesta 2010-2015 S-Max
2004-2017 Focus 2013-2015 Tourneo Connect
2010-2015 Galaxy 2013-2016 Transit Connect
2010-2017 Grand C-Max
2013-2015 Grand Tourneo Connect

Volvo: 2011-2015 S60 2011-2015 V60
2010-2015 S80 2010-2015 V70
2010-2015 V40

Engine timing tool set for FORD



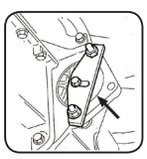
903G11

40/14.5/15.5/0.7' 410g

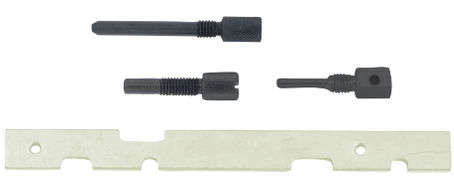
- Flywheel locking tool with 2 adaptors
- For Ford diesel and Petrol engines.
- Application:

2003-2018 C-Max	2010-2018 Grand C-Max
2000-2002 Courier	2006-2010 Kuga
2000-2013 Fiesta	2007-2015 Mondeo
1998-2018 Focus	2006-2018 S-Max
2003-2007 Focus C-Max	2002-2013 Tourneo Connect
2002-2012 Fusion	2002-2013 Transit Connect
2006-2018 Galaxy	





Engine timing tool set for FORD / MAZDA / VOLVO

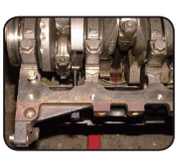


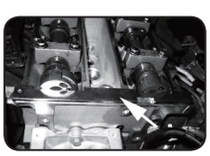
904G6

48/14/15/0.8' 270g

- This camshaft setting baris suitable for all the applications including the latest HWDA and HWDB engines.
- Application:

Ford:	2015-2017 B-Max	2001-2007 Maverick
	2007-2010 C-Max	1993-2015 Mondeo
	1998-2001 Cougar	1997-2002 Puma
	1995-2017 Fiesta	2006-2015 S-Max
	1998-2011 Focus	2002-2006 Tourneo Connect
	2003-2007 Focus C-Max	2006-2012 Transit
	2002-2012 Fusion	2002-2006 Transit Connect
	2006-2015 Galaxy	
Mazda:	1995-2000 121 ZQ	2002-2007 6 GG/GY
	2002-2007 2 DY	2007-2015 6 GH
	2003-2009 3 BK	2002-2005 MPV LW
	2009-2015 3 BL	2005-2016 MX-5 NC
	2005-2010 5 CR	2004-2006 Tribute EP
	2010-2012 5 CW	
Volvo:	2006-2013 C30	2007-2011 S80
	2006-2012 S40	2004-2012 V50





Engine timing tool set for BMW M52, M54, M56

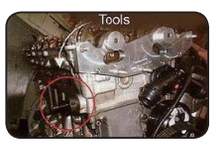


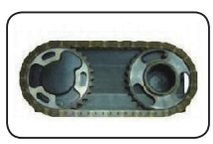
905G1

5/10.9/11.9/1.35' 2.18kg

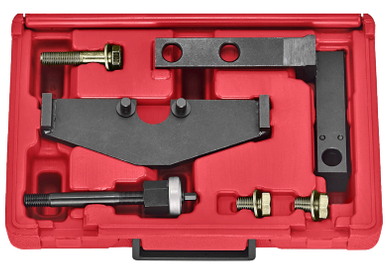
- Suitable for setting and locking camshafts on chain-driven BMW Vanos engines.
- Application:
  BMW 6 cylinder engine: M52 (98-00), M54 (01-06), M56 (03-06) petrol engines in:
  3 Series: 320i, 323i, 325i, 328i, 320i (E46)
  5 Series: 520i, 523i, 525i, 528i, 530i (E39/E60)
  7 Series: 728i, 730i (E38/E65/E66)
  X Series: X3 2.5i, 3.0i (E83/E53)
  Z Series: Z3 2.2i, 2.5i, 2.8i, 3.0i (E36),
  Z4 2.5, 3.0 (E85)

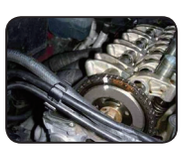






Engine timing tool set for BMW Mini







907G6

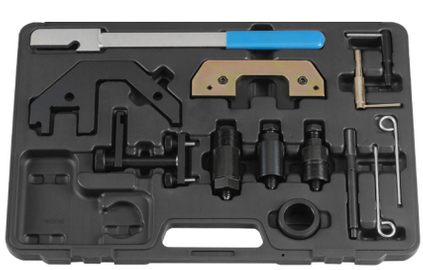
5/9.6/10.6/1' 1994g

- Suitable for setting the camshaft in the timed position on BMW Mini 1.6 petrol engines.
- Application:
  BMW Mini: One (01-06), Cooper (01-06), Cooper S (02-06)

Contents:

1pc Camshaft sporocket holding tool
1set Engines support bracket
1pc Tensioner assembly tool

Engine timing tool set for BMW M41, M51, M47, M57



913G6

5/19/20/1.4' 3800g

- Installation and removal of the camshaft/hydraulic chain tensioner.
- Checking and adjustment of camshaft timing.
- Application:
  BMW: M41 (94-00), M51 (91-00), M47 (99-07), M57 (98-13) diesel engines in:
  1 Series: 118d, 120d (E87)
  3 Series: 318d, 320d, 325d, 330d (E36/E46)
  5 Series: 520d, 525d, 530d, 535d (E34/E39/E60/E61)
  7 Series: 725d, 730d (E38/E65/E66)
  X Series: X3 2.0d, 3.0d (E83), X5 3.0d (E53/E70)

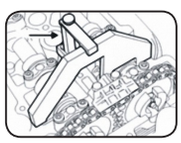
Engine timing tool set for BMW M47, M57



905G17

20/24.5/25.5/2' 1208g

- Special design for correcting timing to the marking when servicing BMW M47, M57.
- Application:
  BMW: M47 (99-07), M57 (98-13) diesel engines in:
  1 Series: 118d, 120d, 123d (E81/E82/E87)
  3 Series: 318d, 320d (E90/E91/E92)
  5 Series: 520d (E60/E61)
  X Series: X3 2.0d (E83)



Engine timing tool set for BMW N47, N47S, N57





904G11

10/9.5/10.5/0.8' 950g

- Installing and removal of camshaft & variable camshaft timing unit.
- Application: BMW N47/N47S (07-14), N57 (08-18) diesel engines in:
  1 Series: 118d (E81/E87)
  120d (E81/E82/E87)
  123d (E81/E82/E87)
  3 Series: 318d (E90/E91)
  320d (E90/E91/E92)
  5 Series: 520d (E60/E61)
  X Series: X2 2.0d (E83)

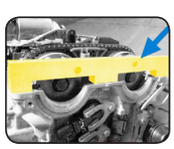
Engine timing tool set for BMW N42, N46, N46T



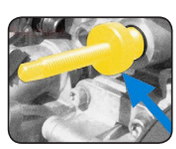
908G9

10/23.8/24.8/1.5' 2400g

- Installing and removal of camshaft/variable camshaft timing unit.
- Checking and adjustment of timing.
- Application:
  BMW N42 (01-04), N46 (04-14) petrol engines in:
  1 Series: 118i, 120i (E87)
  3 Series: 316i, 316ti, 318 (E46),
  318i, 320i (E90/91)
  Z Series: Z4 2.0i (E85)





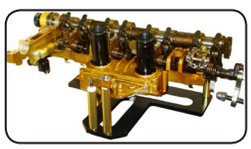


Engine timing tool set for BMW N42, N46

918G3

5/19/20/0.8' 3700g





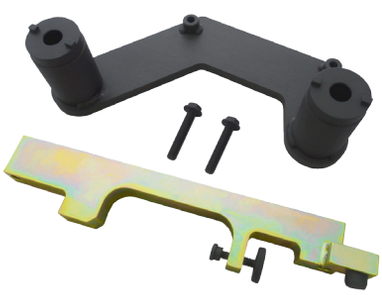
- Suitable for the following applications:
  Camshaft installation and removal as well as removal and installation of the inlet camshaft and carrier assembly / Valvetronic System.
- Easily accessible operating instructions including cross references to original part numbers
- Spare parts optionally available
- Clear arrangement of tools in high-quality plastic case with soft foam insert
- Application: BMW N42 (01-04), N46 (04-14) petrol engines in:
  1 Series: 118i / 120i (E87)
  3 Series: 316i / 316ti / 318 (E46), 318i / 320i (E90 / 91)
  Z Series: Z4 2.0i (E85)

Engine timing tool set for BMW N47, N47S

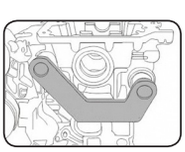
NEW

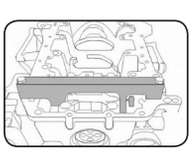
902G28

4/13/13.6/0.9' 3250g



- Used to align the balance shaft and crankshaft timing position.
- Application: BMW N47 / N47S (07-14) diesel engines in:
  1 Series: 118d, 120d, 123d, 125d (E81 / E82 / E87 / E88 / F20 / F21)
  3 Series: 318d, 320d (E90 / E91 / E92 / E93 / F30 / F31 / F4)
  5 Series: 520d (E60 / E61 / F07 / F10 / F11)
  X Series: X3 1.8d, 2.0d (E83)





Engine timing tool set for BMW N40, N45, N45T

906G5

10/20/21/1.3' 2000g



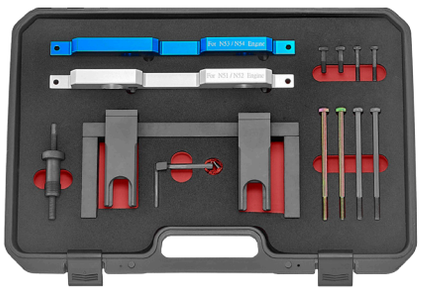


- Installing and removal of camshaft / variable camshaft timing unit.
- Checking and adjustment of timing.
- Application:
  BMW N40 (01-04), N45 (04-11) petrol engines in:
  1 Series: 116. (E81 / E87)
  3 Series: 316i (E46 / E90), 316Ci (E46), 316ti. (E46)

Contents:

1pc VANOS alignment plate.
1pc Camshaft setting plate (Inlet).
1pc Camshaft setting plate (Exhaust).
1pc Timing chain tensioner pre-load tool.
1pc Flywheel locking pin.
1pc Camshaft setting plate securing screw.

Engine timing tool set for BMW N51, N52, N53, N54





912G5

2/14.8/15.2/1.9' 6790g

- Special design to locate camshaft in TDC position.
- Application:
  BMW N51 (06-11), N52 (04-15), N53 (06-13), N54 (06-16) petrol engines in:
  1 Series: 125i, 128i, 130i, 135i (E81/E82/E87/E88)
  3 Series: 320si, 323i, 325i, 328i, 330i, 335i (E90/E91/E92/E93/F30)
  5 Series: 523i, 525i, 528i, 530i, 535i, 535GT (E60/E61/F07/F10/F11)
  6 Series: 630i, 640i (E63/E64/F06/F12/F13)
  7 Series: 730i, 730Li, 740i, 740Li (E65/E66/F01)
  X Series: X3 2.5i/3.0i, X5 3.0i (E83/E70)
  Z Series: Z4 2.5i/3.0i (E85/E86)

Engine timing tool set for BMW N62, N73





905G19

5/14/15/1.3' 2800g

- Suitable for setting and adjusting the timing on BMW N62 V8 and N73 V12 engines.
- This kit holds the valve timing whilst maintaining the correct timed position of the camshafts and crankshaft.
- Application:
  BMW N62 (01-10), N73 (03-16) petrol engines in:
  5 Series: 540i, 545i, 550i (E60/61)
  6 Series: 645i, 650i (E63/64)
  7 Series: 735i, 740i, 745i, 750i, 760i (E65/66)
  X Series: X5 4.4i, 4.8i (E53/E70)

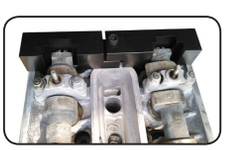
Engine timing tool set for BMW M60, M62 (VANOS)

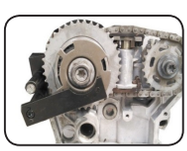


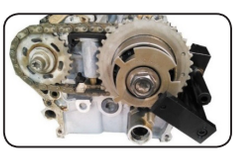
912G12

3/22/23/1.5' 7360g

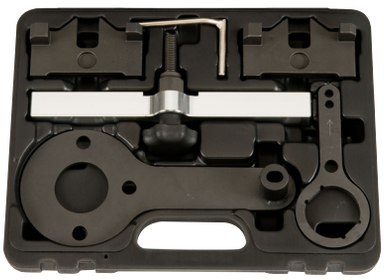
- For set and lock the crankshaft and camshaft components of the BMW M60 and M62 VANOS and non VANOS V8 petrol engine.
- Application:
  BMW M60 (92-96), M62 (95-05) petrol engines in:
  5 Series: 530, 535, 540 (E34/E39)
  7 Series: 730, 735, 740 (E32/E38)
  8 Series: 840 (E31)
  X Series: X5 4.4, 4.6 (E53)







Engine timing tool set for BMW N63, N74



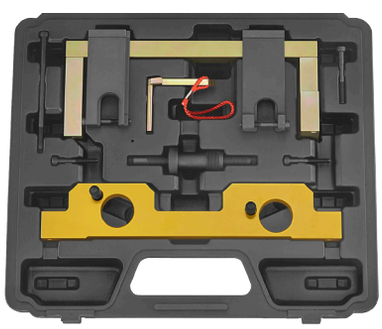


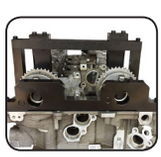
906G8

5/14.8/16/1.28' 2987g

- Professional camshaft timing and locking tool kit for BMW N63 and N74 engines.
- Designed for adjusting the engine timing when replacing the timing chain, repairing the cylinder head or replacing the cylinder head gasket.
- Application:
  BMW N63 (08-present), N74 (08-present) petrol engines in:
  5 Series: 550i (F10)
  7 Series: 750i, 750Li, 760i, 760Li (F01/F02)
  X Series: X6 xDrive50i (E71)

Engine timing tool set for BMW N20, N26





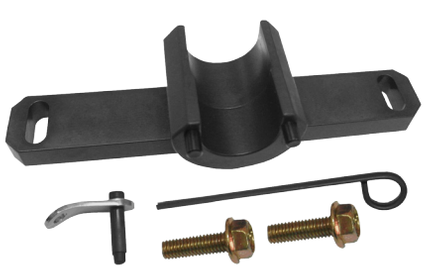
908G15

3/16/17/1.53' 5290g

- Designed for fixing the camshaft in TDC position.
- The tool is used to dismantle and assemble intake and exhaust camshaft.
- Application:
  BMW N20 (11-17), N26 (12-16) petrol engines in:
  1 Series: 125i (F20/21)
  2 Series: 220i, 228i (F22)
  3 Series: 320i, 328i (F30/31)
  4 Series: 420i (F32/33)
  5 Series: 520i, 528i (F10/11)
  X Series: X1 2.0i, 2.8i (E84), X3 2.0i (F25), X4 4.0i (F26)
  Z Series: Z4 2.0i, 2.8i (E89)

Balance shaft & oil pump alignment kit for BMW N20, N26

NEW





905G23

10/5.5/6/0.43' 550g

- Developed to align the balance shafts into the correct timed position and also to lock the drive sprocket for removal and replacement of the oil pump and balance shaft housing.
- Application:
  BMW N20 (11-17), N26 (12-16) petrol engines in:
  1 Series: 125i (F20/21)
  2 Series: 220i, 228i (F22)
  3 Series: 320i, 328i (F30/31)
  4 Series: 420i (F32/33)
  5 Series: 520i, 528i (F10/11)
  X Series: X1 2.0i, 2.8i (E84), X3 2.0i (F25), X4 4.0i (F26)
  Z Series: Z4 2.0i, 2.8i (E89)

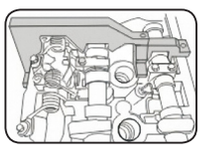
Engine timing tool set for BMW N13, BMW MINI N18



908G16

5/11.5/12/1' 2219g

- The tool is used to dismantle and assemble intake and exhaust camshaft and fix them at TDC position.
- Application:
  BMW N13 (11-15), N18 (11-18) petrol engines in:
  1 Series: 114i, 116i, 118i, 120i (F20/21)
  3 Series: 316i, 320i (F30/31)
  Mini: Cooper S (R56/57)
  Coupe Cooper S (R58)
  Roadster (R59)
  Countryman (R60)
  Paceman (R61)



Engine timing tool set for BMW S54

NEW



907G20

6/12.5/13.5/1.4' 2100g

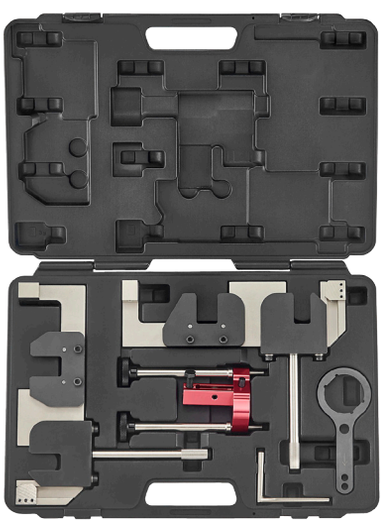
- For checking and setting camshaft timing when installing VANOS adjustment unit on S54 engines.
- Application:
  BMW S54 (00-06) petrol engines in:
  3 Series: M3 (E46)
  Z Series: Z3 (E36), Z4 (E85/E86)





Camshaft alignment tool for BMW S63

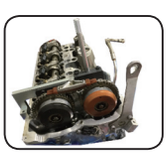
NEW



905G28

3/19.5/20.5/1' 6070g

- Special design to locate the camshaft in TDC position.
- Checking and adjusting the timing chain tensioner.
- Applicable:
  BMW S63 engine on F10/M5 (10~), F06/M6 (11~),
  F12 13/M6 (11~), E70/X5M (08~13), E71/X6M (08~13)



Engine timing tool set for BMW S65

NEW



912G15

5/14.2/14.8/1.4' 3336g

- Used to locate the camshaft in TDC position and correct the VANOS angle.
- Application:
  BMW S65 (07-13) petrol engines in:
  3 Series: M3 (E90/E92/E93)



Engine timing tool set for BMW B38, B46, B48

NEW



911G10

3/22/22.6/1.93' 6930g

- Installment and removal of camshaft/variable camshaft timing unit.
- Check and adjustment of timing.
- Application:
  BMW B38 (13-present), B46/B48 (14-present) petrol engines in:
  1 Series: 116i, 118i, 120i, 125i, 128ti (F20/F21/F40)
  2 Series: 218i, 220i, 220i, 225i, 228i, 230i (F22/F23/F44/F45/F46)
  3 Series: 318i, 320i, 330i (F30/F31/F34/G20)
  4 Series: 420i, 430i (F32/F33/F36/G22)
  5 Series: 520i, 530i (G30)
  X Series: X1 1.8i, 2.0i, 2.5i, 2.8i (F48),
  X2 1.8i, 2.0i, 2.5i, 2.8i (F39),
  X3 3.0i (G01),
  X4 3.0i (G02)





Vacuum pump sealing cover remover and installer set for BMW N53, N54, N55

NEW

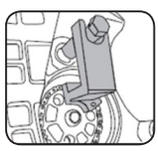


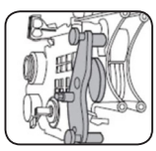
911G11

3/17.2/18.2/1.5' 5820g

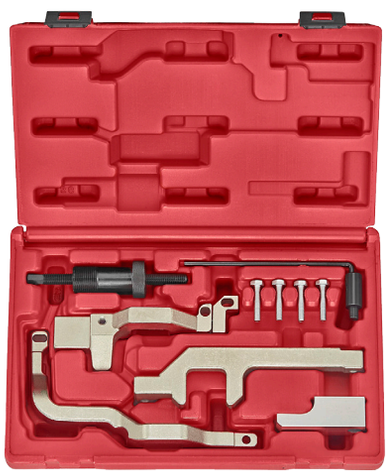
- For removal and installation of sealing cap of vacuum pump.
- Application:

BMW N53 (06-13), N54 (06-16), N55 (09-present) petrol engines in:
1 Series: 125i, 128i, 130i, 135i (E81/E82/E87/E88)
3 Series: 320si, 323i, 325i, 328i, 330i, 335i (E90/E91/E92/E93/F30)
5 Series: 523i, 525i, 528i, 530i, 535i, 535GT (E60/E61/F07/F10/F11)
6 Series: 630i, 640i (E63/E64/F06/F12/F13)
7 Series: 730i, 730Li, 740i, 740Li (E65/E66/F01)
X Series: X3 2.5i/3.0i, X5 3.0i (E83/E70)
Z Series: Z4 2.5i/3.0i (E85/E86)





Engine timing tool set for BMW MINI / CITROEN / PEUGEOT

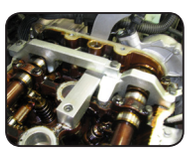


910G8

6/13.4/14.4/1.1' 2248g

- Suitable for timing 1.4 & 1.6 16V Valvetronic direct injection petrol, chain drive engines, fitted in BMW Mini, Citroen and Peugeot vehicles.
- Application:

BMW Mini: N12/N14 (06-15)
Citroen/Peugeot: EP3, EP6, EP6DT, EP6DTS (05-17)
petrol engines in:
BMW Mini: Clubman, Clubvan, Cooper, Countryman (R55), Cooper, Mini One (R56), Cooper S (R55/R56), Clubman, Mini (R56/57), Coupe (R58), Clubman, Clubvan, Countryman (R60), Roadster (R59), Roadster, Paceman (R61)
Citroen: C4, C4 Picasso
Peugeot: 207, 207CC, 308, 3008, 5008



Engine timing tool set for BMW / BMW MINI / CITROEN / PEUGEOT





905G12

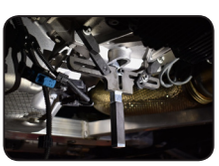
12/11.4/12.0/1.3' 950g

- Required for removal / installation of the timing chain assembly.
- Relevant setting / locking tools for particular vehicles / engines will also be required.
- Set contains balance shaft alignment, crankshaft holding and chain tensioner tools.
- Application:

BMW: N40 (01-04), N42 (01-04), N45 (04-11), N46 (04-15), N51 / N52 (04-15), N53 (06-13), N54 (06-16)
BMW Mini: N12 / N14 (06-15)
Citroen / Peugeot: EP3, EP6, EP6DT, EP6DTS (05-17) petrol engines in:
BMW 1 Series: 116i, 118i, 120i, 125i, 130i, 135iS (E81 / 82 / 87 / 88)
3 Series: 316i, 316i, 318i, 320i, 323i, 325i, 335i (E46 / E90 / 91 / 92 / 93)
5 Series: 520i, 523i, 525i, 530i (E60 / 61)
6 Series: 630i (E63 / 64)
7 Series: 730i (E65 / 66)
X Series: X1 1.8i (E84), X3 2.0i, 2.5i, 3.0i (E83), X5 3.0 (E70)
Z Series: Z4 2.0i, 2.5i, 3.0i (E85 / 86)
BMW Mini: Clubman (R55), Cooper S, Cooper (R55 / 56), Mini One (R56), Mini (R56 / 57)
Citroen: C3 Picasso, C3 III, C4 Picasso, C4, C4 II, DS3
Peugeot: 207, 207CC, 208, 2008, 308, 308CC, 3008, 508, 5008, RCZ, Partner III

Fly wheel holder tool for BMW





905G15

20/18/19/1.2' 900g

- When replacing timing chain, this tool can block fly wheel.
- It helps to release and tighten down central bolts on vibration damper.
- Application:

Petrol engines:	2011-2017	N20	2004-2015	N46
	2012-2016	N26	2004-2015	N51 / N52
	2007-2011	N43	2006-2013	N53
	2004-2011	N45	2006-2016	N54
Diesel engines:	1999-2007	M47	2007-2014	N47
	1998-2013	M57	2005-2006	Mini W17
	1998-2009	M67		

Engine timing tool set for BENZ M271



904G18

6/17.1/18.1/2.8' 2850g

- This retaining device makes it possible to position the camshafts into the installation position.
- Includes a retainer to draw in the timing chain and to retain timing chain with camshaft sprockets in mesh.
- Application:

BENZ: M271 (02-15) - E18ML, DE18ML, E16ML, DE18LA petrol engines in:
C-Class: CLK200K (W209), C180K, C200K, C230K (W203), C Sportcoupe, C160K, C180K, C200K, C230K, C180K (W204), CLC180K, CLC200K, C180 CGI, C200 CGI, C250 CGI (W204),
E-Class: E200K (W211), E200 CGI, E250 CGI (W212)
S-Class: SLK200K (R171)



Engine timing tool set for BENZ M111

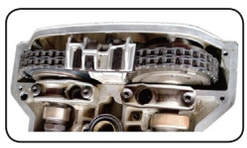


9G1218

24/11.5/12.5/2.8' 480g

- The use of the mounting device allows a single mechanic to replace a timing chain quickly and without any trouble.
- Application:

BENZ: M111 (92-03) 4-cylinder petrol engines in:
C-Class: C180, C200, C220, V230 (W202), CLK200, 230 (C208)
E-Class: E220, E230 (W124/W210)
S-Class: SLK200, 230 (R170)



Engine timing tool set for BENZ



906G7

20/22.5/23.5/1.6' 1125g

- A timing tool set which covers a large number of models in the Mercedes range including petrol and diesel engines.
- Set includes flywheel plate locking tools and camshaft locking pin set.
- Application:

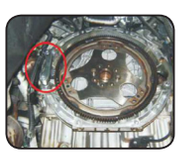
Petrol engines:

1980-1993 M102	1998-2002 M137
1984-1997 M103	2004-2006 M155
1989-1999 M104	2006-2015 M156
1992-2003 M111	2004-2015 M272
1998-2007 M113	2006-2013 M273
1989-1999 M119	

Diesel engines:

1983-1991 OM601	1999-2003 OM613
1985-1902 OM602	1999-2005 OM628
1986-1997 OM603	2005-2010 OM629
1993-1998 OM604	2004-2012 OM640
1993-2001 OM605	2005-2016 OM642
1993-2001 OM606	2002-2006 OM646
1998-2011 OM611	





BENZ flywheel locking tool



9G1215

60/13.3/14.3/0.83' 200g

- Used to fix the flywheel gear to remove & install crankshaft pulley center bolt.
- Application:

Petrol engines:

1980-1993 M102	1989-1999 M104
1984-1997 M103	1992-2003 M111

Diesel engines:

1983-1991 OM601	1993-2001 OM605
1985-1902 OM602	1993-2001 OM606
1986-1997 OM603	1998-2011 OM611
1993-1998 OM604	1999-2003 OM613



Engine timing tool set for BENZ M133, M270



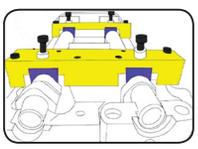
347100100B

915G6

6/25.1/26.1/1.4' 4190g

- Special design for positioning the camshaft in TDC position.
- Application:

BENZ: M133 (13-19), M270 (11-19) petrol engines in:
A-Class: A160, A180, A200, A220, A250, A45 AMG (W176), CLA180, CLA200, CLA250, CLA45 AMG (C117), GLA180, GLA200, GLA250, GLA45 AMG (X156)
B-Class: B160, B180, B200, B250 (W246)



Engine timing tool set for BENZ M133, M270, M274

NEW



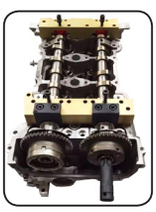
347100100B

916G7

3/21.9/22.9/1.2' 7293g

- Special design for positioning the camshaft in TDC position.
- Application:

BENZ: M133 (13-19), M270 (11-19), M274 (11-19) petrol engines in:
A-Class: A160, A180, A200, A220, A250, A45 AMG (W176), CLA180, CLA200, CLA250, CLA45 AMG (C117), GLA180, GLA200, GLA250, GLA45 AMG (X156)
B-Class: B160, B180, B200, B250 (W246)
C-Class: C180 (W204), C180, C200, C250, C300 (W205)
E-Class: E180, E200, E250 (W212), E180, E200, E250, E300 (W213)



Engine timing tool set for BENZ M651

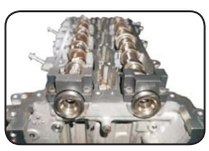


903G21

10/13.9/14.9/1.2' 1406g

- The retaining device makes it possible to position the camshafts in the installed position.
- Also for turning, installing, and removing the crankshaft pulley.
- Application:

BENZ: OM651 (07-15) diesel engines in:
A-Class: A180, A200, A220 (W176),
CLA200, CLA220 (C117)
B-Class: B200, B220 (W246)
C-Class: C180, C200, C220, C250 (W204),
C220, C250 (W205)
E-Class: E220, E250 (W207),
E200, E220, E250 (W212)
GLK-Class: GLK200, GLK220, GLK250 (X204)




Engine timing tool set for BENZ M156



904G19

5/10/10.5/1.7' 1931g

- Used to fix and align the camshaft in correct timing angle when replacing the timing belt.
- Application:

BENZ: OM156 (06-15) petrol engines in:
Benz: ML63 AMG (W164), S63 AMG (W221),
R63 AMG (W251), E63 AMG (W211/W212),
CLS63 AMG (W219), CLK63 AMG (W209),
C63 AMG (W204)




Belt tensioner tool for BENZ

NEW



9G0810

30/10.8/11.8/0.66' 360g

- Effectively compresses hydraulic belt tensioner (alternator with start-stop function).
- Application:
  BENZ: M266 (06-15) petrol engines in:
  A-Class: A150, A160, A170, A180, A200, A200T (W169)
  B-Class: B150, B160, B170, B180, B200, B200T (W245)



Diesel engine timing chain tool kit for MERCEDES BENZ / CHRYSLER / JEEP

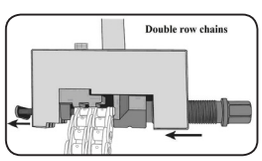
NEW



912G13

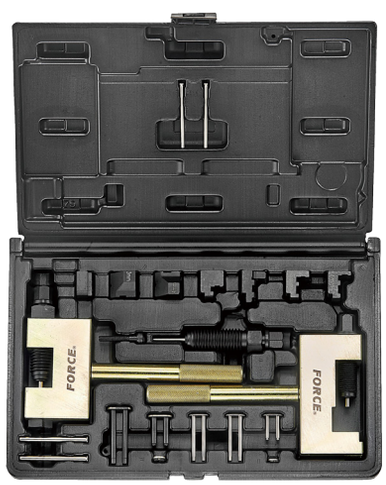
10/24.8/25.0/0.9' 2304g

- The link separating tool and the link assembly tool allow for quick and easy separation and assembly of the timing chain.
- Suitable for duplex timing chains, for most Benz diesel engines.
- May also be used on some Chrysler / Jeep diesel engines.



Diesel engine timing chain tool kit for MERCEDES BENZ / CHRYSLER / JEEP

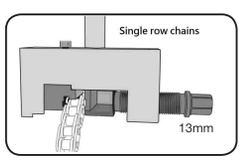
NEW

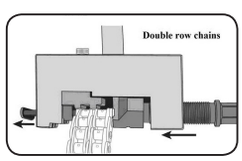


922G7

4/11.6/11.9/0.6' 2932g

- The link separating tool and the link assembly tool allow for quick and easy separation and assembly of the timing chain.
- Suitable for simplex and duplex timing chains, for most Benz diesel / petrol engines.
- May also be used on some Chrysler / Jeep diesel engines.





Timing chain tensioning socket for VW / AUDI 4.0L

NEW



9G0811 60/11.7/12.7/2' 195g

- For tensioning the timing chain with the camshaft adjuster.
- Used to rotate the cam phase when tightening the timing chain.
- Application:
  VAG 8-cylinder 4.0L TFSI direct injection engine in:
  Audi: A6 (11~), A7 Sportback (11~), A8 (10~)



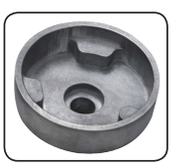
Timing chain tensioning socket for VW / AUDI 3.0L

NEW



9G0812 60/12/13/2' 200g

- Used for tensioning timing chain via camshaft adjuster.
- Application:
  VAG 3.0L 6-Cylinder supercharged direct injection engine (generation IV) in:
  Audi: A6 (11~), A7 Sportback (11~), A8 (10~), Q5 (08~)
  Seat: Alhambra (11~)

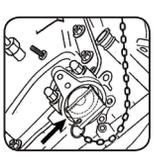


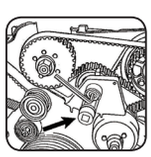
Engine timing tool set for VW / AUDI



908G5 12/12.5/13.5/1.3' 1030g

- A dedicated set of setting / locking, support and tensioner adjusting tools for VAG V6 TDI diesel engine.
- Application:
  VAG 2.5 TDI V6 diesel engines in:
  Audi: 1997-2009 A4 2000-2005 A6 Allroad
  1997-2005 A6 1997-2002 A8
  Seat: 2002-2008 Superb
  VW: 1998-2005 Passat
- Engine codes:
  AFB, AKE, AKN, AYM, BAU, BCZ, BDG, BDH, BFC





Engine timing tool set for VAG

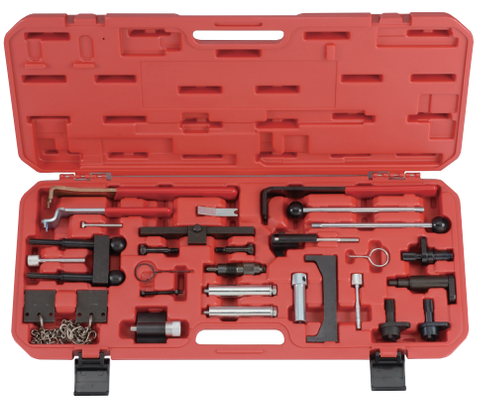


928G1

5/20.8/21.6/1.86' 4156g

- This comprehensive timing tool set can correct engine timing when replacing the timing belt.
- Application:
  VAG 2.2 6V, 1.2 12V, 1.4/1.6/1.8 2.0 16V petrol engines in:
  Audi: 80, A2, A3, S3, A4, A6, TT
  Seat: Alhambra, Arosa, Cordoba, Ibiza, Inca, Leon, Toledo
  Skoda: Fabia, Octavia
  VW: Bora, Caddy, Fox, Golf, Lupo, New Beetle, Passat, Polo, Sharan, Touran
- Application:
  1.2/1.4/1.9/2.0 TDI PD, 1.7/1.9 D/TD/SDI/TDI,
  2.5 V6 TDI diesel engines in:
  Audi: 80, A2, A3, A4, A6, Cabrio
  Seat: Alhambra, Arosa, Altea, Cordoba, Ibiza, Inca, Leon, Toledo
  Skoda: Fabia, Felicia, Octavia
  VW: Bora, Caddy, Golf, Lupo, New Beetle, Passat, Polo, Sharan, Transporter, Touran

Engine timing tool set for VAG



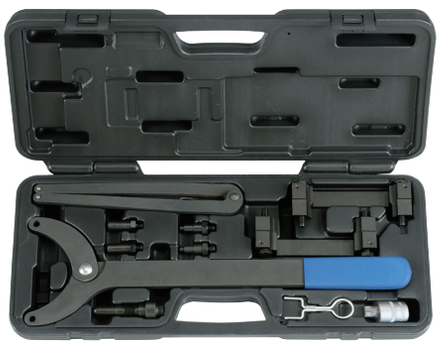
929G1

5/21.5/22.5/2.0' 4230g

- Use for Audi, Seat, Skoda, VW.

Audi:	2001-2006	A2	1999-2007	A4
	2001-2007	A3	1998-2007	A6
Seat:	1999-2005	Arosa	2002-2007	Ibiza
	1999-2007	Alhambra	2000-2007	Leon
	2004-2007	Altea	2004-2007	Toledo
	2002-2007	Cordoba		
Skoda:	2000-2007	Fabia	2007	Roomster
	2000-2007	Octavia	2002-2007	Superb
VW:	2000-2007	Beetle	1999-2005	Lupo
	1998-2007	Bora	1998-2007	Passat
	2003-2007	Caddy	1999-2007	Sharan
	2005-2007	Fox	2003-2007	Touran
	1998-2007	Golf	2003-2007	Transporter
	2005-2007	Jetta	1999-2007	Polo

Engine timing tool set for AUDI



910G5

5/14/15/1.2' 2800g

- Special designed set of tools for alignment camshaft lock and adjusting.
- Application:
  Audi 2.4, 3.2 FSI chain drive petrol engines in:
  Audi: A2, A3, A4, A4 Quattro, A6, A6 L Quattro, A8 (04-07)
- Engine codes: AUK, BDW, BDX, BKH, CAJA, CALA



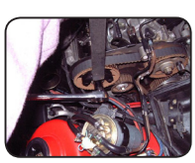
Engine timing tool set for AUDI



913G7

6/20/21/2.6' 3330g

- A complete set for alignment, adjustment of the camshaft, replacement of the timing chain.
- Application:
  Audi 6-cylinder 2.8, 3.2 FSI, 3.0 TFSI petrol engines in:
  Audi: A4 (05-08), A5 (08~), A6 (09-13), A7 (12-15),
  Q5 (09-17), Q7 (11-15)
- Engine codes:
  CCAA, CCBA, CALA, CALB, CGWB, CGWC, CHMA, CNYA, CHVA, CGXC, CREC, CTDA, CTUB, CAKA, BDX



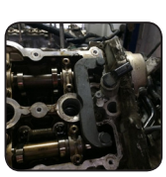
Camshaft clamp for AUDI



902G18

20/17.5/18.5/0.52' 875g

- Special designed to align camshafts when adjusting timing.
- Application:
  Audi 6-cylinder 2.8, 3.2 FSI, 3.0 TFSI petrol engines in:
  Audi: A4 (05-08), A5 (08~), A6 (09-13), A7 (12-15),
  Q5 (09-17), Q7 (11-15)
- Engine codes:
  CCAA, CCBA, CALA, CALB, CGWB, CGWC, CHMA, CNYA, CHVA, CGXC, CREC, CTDA, CTUB, CAKA, BDX



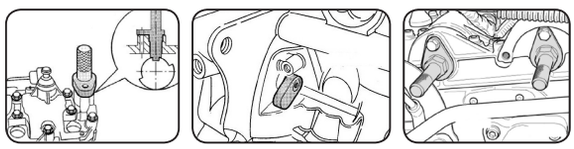
Engine timing tool set for VAG



904G15

12/8.5/9.5/0.72' 712g

- Installing and removal of camshaft / variable camshaft timing unit.
- Checking and adjustment of timing.
- Application:
  VAG 1.2L 3-cylinder 6V and 12V petrol engines in:
  Seat: Cordoba (02-08), Ibiza (02-08)
  Skoda: Fabia (02-07)
  VW: Fox (05-08), Polo (02-07)
- Engine codes:
  Seat: AWY, BMD
  Skoda: AWY, BMD, AZQ, BME
  VW: AWY, BMD, AZQ, BME



Engine timing tool set for VAG





907G13

20/22.0/23.0/1.7' 1100g

- Kit includes camshaft tools, chain tensioner retainer, locking pins and tensioner bolt.
- Application:
  VAG 2.0 FSI / TFSI petrol engines in:

Audi:	1996-2009	A3	1999-2013	S3
	1994-2009	A4	1998-2014	TT
	1995-2011	A6		
Seat:	1997-2010	Alhambra	2009-2010	Exeo
	2006-2009	Altea	1999-2002	Ibiza
	2006-2009	Altea XL	1999-2013	Leon
	1999-2002	Cordoba	1999-2009	Toledo
Skoda:	1998-2010	Octavia		
	2004-2009	Octavia II		
	1998-2010	Octavia Tour		
VW:	1999-2011	Beetle	2005-2009	Jetta
	1997-2004	Bora	1996-2010	Passat
	2006-2010	Eos	2009-2014	Scirocco
	1997-2012	Golf	1997-2010	Sharan
	2005-2009	Golf Plus	2003-2009	Touran

- Engine codes:
  AWA, AXW, AXX, BGB, BHD, BHZ, BLR, BLX, BLY, BMB, BPG, BPJ, BPY, BUL, BVY, BVZ, BWA, BWE, BWT, BYK, BZC, CDLA, CDLB, CDLC, CDMA, CDLK, CDLJ, CDLG, CDLF

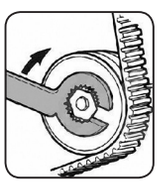
Engine timing tool set for VW



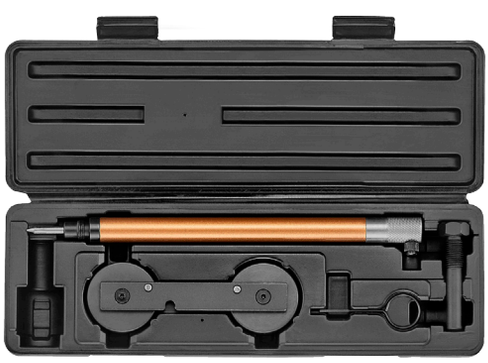
906G6

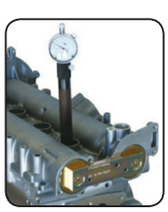
10/15/16/1.31' 1500g

- Special designed set of tools for camshaft locking, and adjusting.
- Application:
  VAG 2.4D, 2.5 TDI and SDI diesel engines in:
  VW: 2006-2010 Crafter
  1996-2006 LT Mk II
  1995-2003 Transporter T4
- Engine codes:
  AAB, AJA, AGX, ACV, AHD, AHY, AJT, ANJ, APA, AUF, AVR, AXG, AXL, AYC, AYY, BBE, BBF, BJJ, BJK, BJL, BJM



Engine timing tool set for VAG





904G16

12/12.7/13.7/0.8' 1028g

- For checking and adjusting camshaft timing when replacing timing belts or timing chains, or during repairs.
- Includes TDC adjusting tool, locking bolt, and setting gauge for camshaft
- Application: VAG 1.4L, 1.6L FSI and TFSI petrol engines:

Audi:	2010-2015	A1		
	2003-2013	A3		
Seat:	2010-2015	Alhambra	2007-2013	Leon
	2008-2015	Altea / Altea XL	2007-2015	Toledo
	2008-2012	Ibiza / Cordoba		
Skoda:	2007-2015	Fabia II	2006-2015	Roomster
	2004-2015	Octavia II	2009-2014	Superb II
	2010-2015	Praktik	2009-2014	Yeti
	2012-2015	Rapid		
VW:	2011-2015	Beetle	2006-2014	Jetta
	2006-2012	EOS	2005-2011	Passat
	2003-2012	Golf	2002-2014	Polo
	2003-2014	Golf Plus	2008-2012	Scirocco
	2007-2013	Golf V Estate	2007-2012	Tiguan
	2010-2015	Golf VI Cabriolet	2003-2015	Touran
	2010-2015	Caddy / Caddy Maxi		

- Engine codes:
  AXU, BKG, BLN, BLG, BMY, BWK, BAG, BLF, BLP, BTS CAVA, CAVB, CAVC, CAVD, CAVE, CAVF, CAXA, CAXC, CDGA, CSMA, CBZA, CBZB, CBZC

Engine timing tool set for VW / AUDI



914G5

10/20.0/21.0/1.6' 2000g

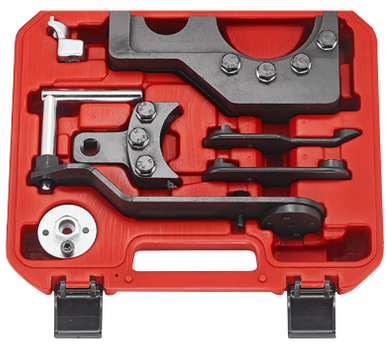
- The kit includes special adaptors for turning and positioning the crankshaft, crankshaft alignment pins with flats and side pins to assist in alignment of the crankshaft with the cylinder head.
- Application:
  VAG 2.7, 3.0 TDI V6 and 4.0 TDI V8 diesel engines in:

Audi:	2005-2008	A4	2004-2008	A6 Quattro
	2005-2009	A4 Cabrio	2006-2008	A6 Allroad
	2007-2008	A4 Quattro	2003-2010	A8
	2007-2012	A5 Coupe	2006-2009	Q7
	2004-2008	A6		
VW:	2004-2007	Phaeton		
	2005-2008	Touareg		

- Engine codes:
  BPP, BSG, ASB, BKN, CAPA, BPP, BSG, BNG, BMK, BMZ, BUG, BUN, ASE, BMK, CARA, BKS, BUN, CASA



Engine timing tool set for VW



908G13

2/15.5/16.5/0.8' 7750g

- For removing and installing camshaft drive gear and eliminating play in gear train - for locking of both camshafts and crankshaft.
- Application:
  VAG 2.5, 4.9D TDI PD diesel engines in:
  VW: 2003-2010 Touareg, 2003-2009 Transporter T5
- Engine codes:
  BAC, BLK, BPD, AXD, AXE, BLJ, BPC, and AYH

Engine timing tool set for VAG



908G18

10/12.5/13.5/1.3' 1250g

- Includes the necessary tools for setting the engine at TDC, the locking tools for both types of timing chain tensioner and a tool for the oil pump chain tensioner.
- Application:
  VAG 1.8, 2.0 TFSI and TSI petrol engines in:
- Engine codes:
  BXB, BYT, BZB, CABA, CABB, CABD, CDAA, CDAB, CDHA, CDHB, CGYA, CJEB, CJSA, CJSB, CJSC, AXX, BGB, BHZ, BPG, BPJ, BPY, BUL, BWA, BWE, BWJ, BWT, BYK, BZC, CAWA, CAWB, CBFA, CCTA, CCZA, CCZB, CCZC, CDLA, CDNB, CDNC, CDND, CESA, CETA, CFPA, CHJA, CJKA, CJKB, CJXA, CJXB, CJXC, CJXE, CJXE, CJXH, CPLA, CPSA, DEDD




Engine timing tool set for VAG



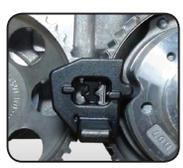
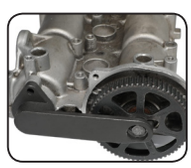
904G20

6/8.6/9.6/0.9' 1434g

- For check and adjustment of engine timing.
- Application:
  VAG 1.0 3-Cylinder petrol engines in:

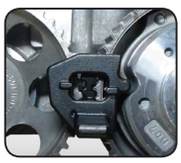
Seat:	2013-2017	Ibiza	2012-2019	Mii
	2012-2018	Leon	2012-2019	Toledo
Skoda:	2011-2019	Citigo	2014-2020	Fabia III
	2013-2017	Yeti	2013-2020	Octavia III
VW:	2012-2018	Polo	2014-2018	Golf Sportsvan
	2011-2020	Up!	2012-2017	Golf VII

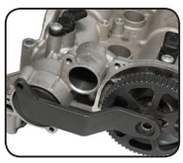
- Engine codes: CHYA, CHYB, CPGA, CWVA, CWVB

Engine timing tool for VAG







906G10

6/10.5/11.5/1.1" 1748g

- For checking and setting the engine timing.
- Application:

VAG 1.2, 1.4 TSI petrol engines in:

Audi:	2012-2015	A1	2013-2016	A3
	2012-2015	A1 Sportback	2012-2016	A3 Sportback
Seat:	2015-2017	Alhambra	2012-2017	Leon
	2012-2017	Ibiza	2012-2017	Toledo
Skoda:	2010-2013	Fabia	2015-2017	Rapid
	2014-2017	Fabia III	2015-2017	Rapid Spacecback
	2010-2013	Octavia II	2015-2017	Yeti
	2010-2015	Octavia III	2015-2017	Yeti Outdoor
VW:	2008-2017	Golf VII	2012-2017	Jetta
	2008-2017	Golf VII Estate	2012-2017	Polo
	2014-2015	Golf Sportsvan		

- Engine codes:

CJZA, CJZB, CJZC, CJZD, CYVB, CGGA, CHPA, CHPB, CKSB, CMBA, CPVA, CPWA, CRJA, CUKB, CUKC, CYVB, CXSA, CZDA, CPTA

Engine timing tool set for VAG 1.6 / 2.0TDI





- Engine codes:

FCA, CAAA, CAAB, CAAC, CCHA, CAVA, CBAB, CBDA, CBDD, CBBB, CBAA, CBAC, CBDA, CBDC, CBAB, CBBB, CBAA, CFFB, CAGA, CAHA, CAGB, CAHB, CAGC, CAGA, CAHA, CAGA, CAYB, CAYC

910G9

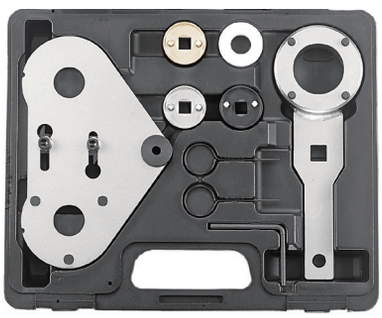
10/18.5/19.5/1.6' 1850g

- Designed to fit the newest Common Rail diesel engines which are significantly different from the older PD engines.
- These Common Rail engines combine belt and gear drives by using a toothed belt to transfer the drive from the crankshaft to one of the camshafts then using gears to transfer the drive from one cam to the other.
- Application:

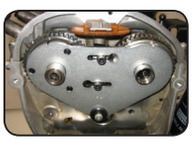
VAG 1.6, 2.0 TDI diesel engines in:

Audi:	2010-2015	A1	2008-2014	A6
	2008-2013	A3	2011-2015	Q3
	2007-2015	A4	2008-2016	Q5
	2008-2015	A5		
Seat:	2010-2015	Alhambra	2009-2015	Ibiza
	2009-2015	Altea	2009-2013	Leon
	2009-2013	Exeo	2012-2015	Toledo
Skoda:	2010-2015	Fabia II	2010-2015	Roomster
	2008-2013	Octavia II	2008-2015	Superb II
	2010-2015	Praktik	2009-2017	Yeti
VW:	2010-2016	Amarok	2009-2014	Golf Plus
	2011-2015	Beetle	2008-2016	Jetta
	2010-2015	Caddy	2008-2015	Passat
	2011-2017	Crafter	2009-2014	Polo
	2008-2015	Eos	2007-2016	Tiguan

Engine timing tool set for VAG







909G10

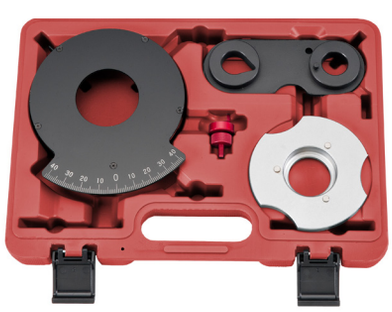
5/11.5/11.95/0.97' 2268g

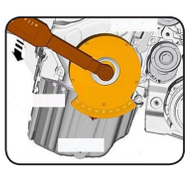
- Includes essential tooling required to remove the camshaft adjuster valves and a useful crankshaft pulley holding tool.
- Fit for a wide range of VAG group 1.8 & 2.0 petrol engines.
- Application: VAG 1.8, 2.0 16V TFSI petrol engines in:

Audi:	2008-2016	A3 Cabriolet	2007-2008	A4
	2013-2016	A3 Cabriolet	2009-2016	A5 Sportback
	2013-2015	A3 Saloon	2012-2014	A6
	2009-2015	A4 Allroad	2008-2014	TT
	2008-2012	A4 Quattro	2011-2016	Q3
	2009-2015	A4 Quattro	2008-2016	Q5
	2007-2013	A3/A3 Sportback		
	2012-2016	A3/A3 Sportback		
	2007-2016	A5 Coupe/Cabriolet		
Seat:	2010-2015	Alhambra	2010-2013	Exeo
	2006-2015	Altea	2009-2013	Leon
	2009-2015	Altea Freetrack	2004-2009	Toledo
Skoda:	2007-2013	Octavia II	2008-2015	Superb II
	2013-2016	Octavia III	2009-2013	Yeti
VW:	2010-2016	Amarok	2013-2016	Maggiolino
	2013-2016	Beetle	2008-2014	Scirocco
	2008-2015	EOS	2011-2015	Sharan
	2011-2016	Passat	2009-2013	Golf V
	2012-2016	Passat Alltrack	2012-2014	Golf VI
	2008-2012	Passat CC	2009-2013	Golf VI Estate
	2007-2015	Tiguan	2013-2016	Golf VII
	2011-2015	Transporter T5	2012-2015	Golf VII
	2007-2011	Passat	2005-2011	Jetta

- Engine codes:
  BYT, BZB, CABA, CABB, CABD, CDAA, CDAB, CDHA, CDHB, CJSA, CJSB, CJEB, CAWA, CAWB, CBFA, CCTA, CCZA, CCZB, CCZC, CCZD, CDNB, CDNC, CDND, CESA, CETA, CFKA, CFPA, CHHA, CHHB, CJKA, CJKB, CNCD, CPLA, CPSA

Timing chain elongation testing gauge for VAG





904G21

20/18/19/1' 900g

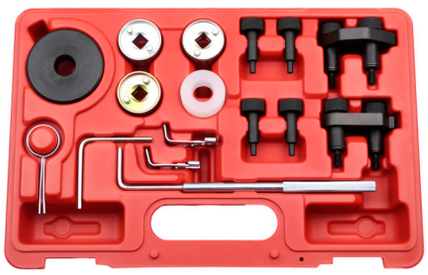
- The tool kit enables the timing chain wear to be accurately measured with the minimum amount of dismantling.
- Application:
  VAG 1.2, 1.4 TFSI petrol engines in:

Audi:	2012-2015	A1	2013-2015	A3
	2012-2015	A1 Sportback	2012-2015	A3 Sportback
Seat:	2012-2017	Ibiza	2012-2017	Toledo
	2012-2015	Leon		
Skoda:	2010-2015	Fabia II	2010-2015	Praktik
	2014-2017	Fabia III	2015-2017	Rapid
	2010-2013	Octavia II	2010-2015	Roomster
	2010-2015	Octavia III		
VW:	2008-2015	Golf VII	2012-2018	Polo
	2008-2017	Golf VII Estate	2014-2017	Sportsvan
	2012-2018	Jetta		

- Engine codes:
  CJZA, CJZB, CJZC, CJZD, CGGA, CGGB, CHPA, CMBA, CPVA, CPVB, CRJA, CXSA, CPTA

Engine timing tool set for VAG

NEW

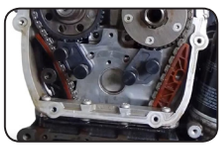


916G8

10/15.6/16.6/1.8' 1560g

- Used for correct the camshaft and crankshaft timing position.
- Application:
  2006-2013 VAG series TSI, TFSI EA888 engine (1.8L, 2.0L)
- Engine code:
  BYT, BZB, CABA, CABB, CABD, CADA, CAEA, CAEB, CAWA, CAWB, CBFA, CCTA, CCZA, CCZB, CCZC, CDAA, CDAB, CDHA, CDHB, CDNB, CDNC, CDND, CESA, CETA, CFKA, CGYA, CJEB, CJBA, CJSB.





3-In-1 Bosch VE fuel injection pump adapter timing tool for VW / AUDI



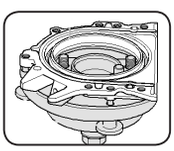
904G17

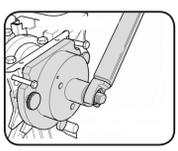
72/8/9/1.2' 111g

- Suitable for timing Bosch VE injection pumps.
- Includes M8, M10, and M12 adapters.
- Use in conjunction with Dial gauge
- Applicable:
  Bosch VE fuel pump, Diesel Kiki,and Nippondenso pumps.

Crankshaft seal installer tool for VAG







9G0129

6/11.5/12.0/0.9' 1621g

- Special design tool to renew crankshaft sealing flange.
- Application:
  1.4, 1.6 16V engines in:
  Seat: Arosa 1.4, Ibiza 1.4, Cordoba 1.4, Leon 1.4/1.6, Toledo 1.4/1.6 and Inca 1.4
  Skoda: Fabia 1.4, Fabia II 1.6, Octavia 1.4 and Roomster 1.4
  VW: Lupo 1.4/1.6, Polo 1.4/1.6, Polo Classic 1.4, Golf/Bora 1.4/1.6, Beetle 1.4, Caddy 1.4
- Engine codes:
  AER, AEX, AHW, AJV, AKK, AKQ, AKV, ALD, ALL, ANW, ANV, APE, APQ, AQQ, ARR, ATN, AUA, AUB, AUC, AUD, AUS, AVY, AXP, AZD, BAD, BAG, BBY, BBZ, BCA, BCB, BKY, BLP, BLF

Crankshaft seal remove / installing tool for VAG

NEW



9G0129A

5/8.7/9.7/0.97' 1737g

- Special-design tool to renew crankshaft sealing flange.
- Application:
  Audi: A3 (04-), A4 (04-)
  VW: Golf (04-), Touran (04-)
  1.4i Turbo, 1.4 & 1.6 petrol direct injection and
  1.9/2.0 SDI, 2.0 Common rail diesel engines (4 cylinder).



Camshaft central valve tool for VW / AUDI





902G13

50/13/14/0.82' 212g

- Assembly tool for installation and removal 4/3-way central valve for camshaft adjustment.
- These tools have offset pins.
- Application:VAG 1.8, 20 TFSI petrol engines in:

Audi:	2007-2013	A3	2009-2014 A5
	2007-2015	A4	2008-2014 Q5
VW:	2006-2012	Passat	
	2006-2012	Passat CC	

- Engine codes:
  CABA, CABB, CABD, CADA, CAEA, CAEB, CAWB, CCZA, CCZB, CCZC, CCZD, CDAA, CDAB, CDHA, CCUA, CDNB, CDNC, CDZA, CESA, CETA, CFKA, CJEB, CJSA, CJSB, CNCD, CPMA, CPMB, CPSA

Camshaft adjusting socket for AUDI



9G1210

100/9.1/10.1/0.64' 91g

- Special groove nut socket to turn the camshaft adjuster into position.
- Camshaft adjusting socket used to adjust variable valve timing on the exhaust side camshaft to basic position.
- Application: Audi 3.0L 6-cylinder petrol engines in:
  Audi: A4 (02-05), A6 (02-04)
- Engine codes: AVK, BBK



Camshaft adapter socket for VAG

NEW





9G0618

120/14.4/15.4/2' 120g

- Used to rotate and hold intake camshaft during timing chain service on 4-cylinder 1.8 and 2.0 liter 4V TFSI direct injection engine (generation III).
- Application:

Audi:	2012-2016	A3	2009-2011	A5
	2013-2016	A3 Cabriolet	2009-2012	A5 Cabriolet
	2012-2016	A3 Sportback	2009-2016	A5 Sportback
	2008-2015	A4	2015-2017	TT
	2012-2015	A4 Quattro		
Seat:	2011-2016	Alhambra	2009-2016	Exeo
	2009-2016	Altea	2009-2017	Leon
	2009-2016	Altea XL	2013-2017	Leon ST
	2009-2016	Altea Freetrack		
Skoda:	2008-2013	Octavia II	2008-2015	Superb II
	2013-2017	Octavia III	2015-2017	Superb III
	2013-2015	Yeti		
VW:	2013-2016	Beetle	2005-2011	Jetta V
	2012-2015	CC	2011-2016	Jetta VI
	2008-2015	EOS	2011-2017	Passat
	2014-2017	Golf Alltrack	2007-2015	Tiguan
	2003-2009	Golf V	2014-2017	Touran
	2009-2013	Golf VI		
	2012-2015	Golf VII		

- Engine codes:
  CDAA, CDAB, CDHA, CDHB, CJEB, CJEE, CJSA, CJSB, CJEB, CNCD, CNCE, CNDC,CDNB, CDNC, CFKA, CPSA

Camshaft holding bracket for VAG





9G1216

10/21/22/0.64' 2050g

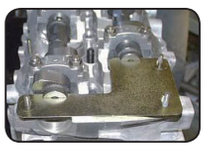
- This tool is used for holding both camshafts at the TDC position when replacing the timing belt.
- Application:
  VAG 3.7, 4.2 V8 petrol engines in:

Audi:	1999-2005	A6	2000-2004	S6
	1999-2005	A6 Quattro	1999-2003	S8
	1999-2006	A8	2003-2005	RS6
VW:	2002-2015	Phaeton		
	2003-2010	Touareg		

- Engine codes:
  AKC, AQG, BFL, AKB, ANK, AQF, AQH, AQJ, ARS, ART, ARU, ASG, AUW, AUX, AVN, AVP, AWN, AXQ, AYS, BBD, BCS, BCY, BFM, BGH, BGJ, BGK, BHX, BRV

Camshaft alignment plate for VW





9G1209			
Part no.	material	packing	g
9G1209	PVC	120/6.36/7.36/2.1'	53

- Specially designed to align the camshafts to proper position when adjusting and assembling.
- Application:
  VW 2.3, 2.8, 2.9 V6 petrol engines in:
  VW: 1999-2007 Beetle 1997-2005 Passat
  2001-2005 Bora 1990-2003 Transporter T4
  1997-2003 Golf IV
- Engine codes: AAA, ABV, AES, AFP, AGZ, AMY, AQN

Camshaft alignment tool for AUDI



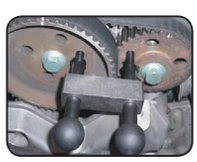
902G6 5/12.5/13.5/0.5' 2.1kg

- Application: Audi 3.0 V6 petrol engines in:
  Audi: 2001-2008 A4 2003-2010 A8
  2001-2008 A6
- Engine codes: ASN, AVK, BBJ, BGN



Camshaft locking tool for VAG

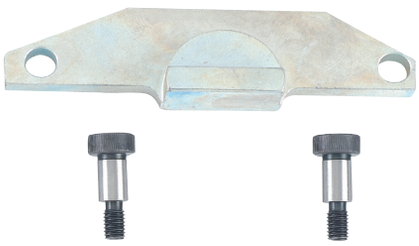


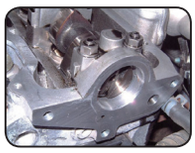


9G1206 60/22.5/23.5/1.0' 375g

- For locking the camshaft pulleys when changing the toothed belt.
- Application:
  VAG 1.4 and 1.6 FSI petrol engines in:
  Audi: 2000-2006 A2
  Seat: 2006-2013 Altea 2000-2004 Inca
  1999-2005 Arosa 1999-2013 Leon
  1999-2009 Cordoba 1999-2009 Toledo
  1999-2013 Ibiza
  Skoda: 1999-2015 Fabia 2007-2015 Praktik
  2000-2013 Octavia 2006-2015 Roomster
  VW: 2001-2011 Beetle 1998-2013 Golf IV
  1998-2005 Bora 1998-2005 Lupo
  1999-2010 Caddy 1998-2014 Polo
- Engine codes:
  AFK, AHW, AJV, AKQ, APE, ARC, ARR, AQQ, AUA, AUB, AUS, AXP, BBY, BBZ, BCA, BKY, AUS, AVY, AZD, BBY, BBZ, BCA, BCB, BUD, BXW

Camshaft locking tool for VAG





903G10

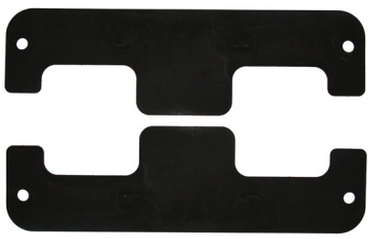
60/22.8/23.8/0.65' 380g

- Enable replacing the timing belt without removing the cylinder head cover.
- Application: VAG 1.9 SDI and TDI diesel engines in:

Audi:	1996-2003	A3		
Seat:	1999-2002	Cordoba	1999-2005	Leon
	1999-2002	Ibiza	1999-2005	Toledo
Skoda:	1999-2006	Fabia	1997-2006	Octavia / Octavia Tour
VW:	1998-2004	Beetle	2005-2007	Fox
	1997-2005	Bora	1997-2005	Golf
	1998-2003	Caddy	1999-2006	Polo

- Engine codes: AGP, AQM, ASY, AGR, AHF, ALH, ASV

Engine timing tool set for VW / AUDI





902G15

24/22/23/1.2' 861g

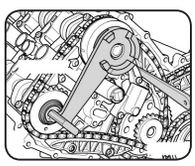
- Specially designed to hold and align the camshaft.
- Application:
  VAG 2.8, 3.2, 3.6, 4.0, 6.0 6 and 8 cylinder FSI petrol engines in :

Audi:	2005-2015	A3 / A3 Sportback		
	2002-2011	A8	2001-2015	S8
	2003-2010	Q7	2011-2012	TT
VW:	2001-2010	Bora	2010-2014	Passat CC
	2010-2014	Eos	2007-2015	Phaeton
	2001-2004	Golf IV	2000-2010	Sharan
	2006-2009	Golf V	2003-2011	Touareg
	2005-2014	Passat	2000-2003	Transporter T4

- Engine codes:
  BDE, AYL, AMV, CBRA, AXZ, BDB, BMJ, BUB, M55 / 02, M55 / 01, CDVA, BWS, CHNA, BHK, BHL, CGRA CMTA, BDN, BDP, BAN, BAP, BRN, BRP, BTT, BJN

Engine timing tool set for AUDI





902G16

20/20.2/21.2/1.2' 1014g

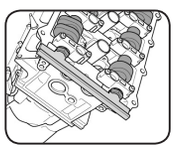
- Specially designed to install Hall sender screens into crankshaft adjuster when setting the crankshaft timing.
- Application:
  AUDI 4.2 V8 petrol engines in:

Audi:	2002-2005	Allroad	2003-2008	S4
	2004-2008	A6 Quattro	2003-2009	S4 Cabrio

- Engine codes:
  BAS, BAT, BBD, BBK, BHF, BNK, BFM, BGK

Engine timing tool set for AUDI





902G17

20/10.28/11.28/0.33' 514g

- For locking camshafts when checking valve timing.
- Application:
  AUDI 4.2 V8 petrol engines in:
  Audi: 2002-2005 Allroad
  2003-2008 S4
  2004-2008 A6 Quattro
  2003-2009 S4 Cabrio
- Engine codes: BAS, BAT, BBD, BBK, BHF, BNK, BFM, BGK

Engine timing tool set for VAG



902G19

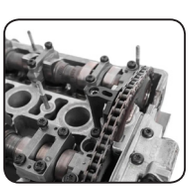
10/19/20/0.6' 1842g

- This comprehensive set of tools enables the correct engine timing to be made when replacing the timing belt.
- Application:
  VAG 4.5L & 4.8L V8 and 3.6L V6 petrol engines in:
  Audi: Q7 (08~)
  Porsche: Cayenne (02-10), Panamera (09-16)
- Engine codes: M97/01, 970, 971, BHK



Engine timing tool for VAG





9G0807

100/5.5/6.5/1.6' 55g

- Special design to hold the chain and tensioner in position during assembly and disassembly.
- Application: VAG 1.8, 1.8T petrol engines in:

Audi:	1996-2003	A3	Seat:	2001-2003	Alhambra
	1995-2006	A4		1999-2002	Cordoba
	1995-2006	A6		1999-2008	Ibiza
	1996-2003	S3		1999-2005	Leon
	1998-2006	TT		1999-2005	Toledo
VW:	1999-2009	Beetle	Skoda:	1996-2006	Octavia
	1997-2005	Bora			
	1997-2005	Golf			
	1996-2005	Passat			

- Engine codes:
  ADR, AEB, AFY, AGN, AGU, AHA, AJE, AJH, AJL, AJP, AJQ, AMB, AMK, AMU, ANB, APB, APG, APH, APP, APT, APU, APX, ARH, ARK, ARX, ARY, ARZ, ATC, ATQ, AUM, AUQ, AVC, AWC, AWM, AWN, AWP, AWT, AWV, AYP, BAM, BBD, BCY, BEA, BEL, BFM, BKF, BNU

Crank locking pin for AUDI



9G1302

144/15/16/1.5' 95g

- This pin is used to lock the crankshaft at the TDC position while replacing the timing belt.
- Application:
  AUDI 3.0L V6 5v petrol engines in:
  Audi: A4 (02-05), A6 (02-04)
- Engine codes: ASN, AVK, BBJ
- Size: M12 x 1.5



Crank locking pin for VAG



9G1303

144/18/19/1.5' 120g

- This pin is used to lock the crankshaft at the TDC position while replacing the timing belt or removing the crankshaft bolt.
- Application:
  VAG 2.7, 2.8L V6 petrol engines in :

Audi:	1993-1995	90	1994-1998	Cabriolet
	1992-1994	100	2007-2009	Q7
	1996-2001	A4	2000-2008	S4
	1998-2001	A4 Avant	2001-2008	S4 Avant
	1995-2001	A6	2004-2009	S4 Cabriolet
	1995-2001	A6 Avant	2008-2009	S5
	2000-2009	A8	2007-2009	S6
	2004-2009	A8 L	2001-2009	S8
	2001-2005	Allroad Quattro		
VW:	1998-2005	Passat		
	2004-2006	Phaeton		
	2004-2009	Touareg		

- Size: M18 x 1.5
- Engine codes:
  AAH, AFC, AHA, AKB, ART, ATQ, AUX, AWN, AYS, BBD, BCY, BEL, BFM, BHF, BNK, BSB, AHA, ATQ, BCY, BDP



Crank locking pin for VAG



9G1305

100/8.5/9.5/1.1' 78g

- This pin is used to lock the crankshaft at the TDC position while replacing the timing belt or removing the crankshaft bolt.
- Application:

VAG 2.4, 3.0 and 3.2L FSI petrol engines in:

Audi:	2005-2008	A4	2005-2011	A6
	2005-2008	A4 Avant	2012-2015	A7
	2007-2009	A4 Cabriolet	2011-2015	Q7
	2008-2009	A5		
VW:	2005-2012	Jetta	2008-2009	Jetta SportsWagen
	2006-2010	New Beetle	2006-2009	Rabbit

- Size: M14 x 1.5
- Engine codes:

BGP, BGQ, BKH, BPR, BPS, CALA, CBTA, CBUA, CGXB, CJWB, CJWC, CJWE, CTUA, CTWA CTWB



Crank locking pin for VAG



9G1306

50/4/5/1.1' 81g

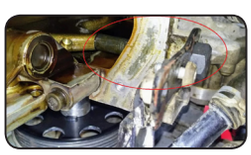
- This pin is used to lock the crankshaft at the TDC position while replacing the timing belt or removing the crankshaft bolt.
- Application:

VAG 1.4, 1.6L FSI/TFSI petrol engines in:

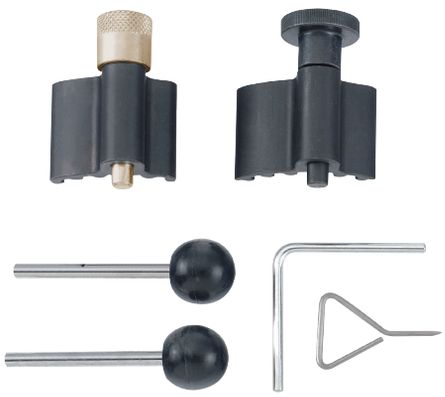
Audi:	2003-2010	A3		
Skoda:	2007-2009	Fabia	2006-2009	Roomster
	2004-2009	Octavia	2009-2010	Superb
VW:	2006-2009	Eos	2002-2008	Polo
	2003-2009	Golf	2009-2010	Scirocco
	2005-2009	Golf Plus	2007-2009	Tiguan
	2006-2009	Jetta	2003-2009	Touran
	2005-2009	Passat		

- Size: M14 x 1.5
- Engine codes:

AXU, BAG, BKG, BLG, BLF, BLN, BLP, BMK, BMY, BTS, CAVA, CAVB, CAVC, CAVD, CAVE, CAVF, CAXA, CAXC, CDGA



Timing tool set for VAG





906G4

30/12.65/13.65/1.4' 375g

- Contains the tools required for checking and setting the engine valve timing in the correct position
- Engine codes:
  CFWA, AMF, BAY, BMS, BNM, BNV, BWB, CAYA, CAYB, CAYC, CAYD, CAYE, CLNA, AJM, ANU, ARL, ASZ, ATD, AUY, AVB, AVF, AVQ, AWX, AXB, AXC, AXR, BJB, BKC, BLS, BLT, BMT, BPZ, BRM, BRR, BRS, BRU, BSU, BSV, BSW, BTB, BVK, BXE, BXF, BXJ, AZV, BDJ, BDK, BEW, BGW, BHW, BKD, BKP, BKQ, BLB, BMA, BMM, BMN, BMP, BMR, BNA, BPW, BRA, BRC, BRD, BRE, BRF, BRT, BSS, BST, BSY, BUY, BUZ, BVA, BVE, BVF, BVG, BVH, BWC, BWV, CAAA, CAAB, CAAC, CAAD, CAAE, CAGA, CAGB, CAGC, CAHA, CAHB, CBAA, CBAB, CBAC, CBBA, CBBB, CBDA, CBDB, CBDC, CBEA, CCHA, CCHB, CDBA, CDCA, CEGA, CFCA, CFFA, CFFB, CFFD, CFFE, CFGB, CFGC, CFHA, CFHB, CFHC, CFHD, CFHE, CFHF, CFJA, CGLA, CGLB, CGLC, CGLD, CJAA, CJCA, CJCB, CJCC, CLCA, CLCB, CLJA, CLLA, CNEA, ECD, ECD/BSY, ECD/BYL, ECE/BWD

- Application:
  VAG 1.2, 1.4, 1.6, 1.9, 2.0 TDI diesel engines in:

Audi:

2010-2015 A1	2010-2014 A6
2000-2006 A2	2008-2014 TT
2001-2013 A3	2011-2015 Q3
2001-2016 A4/Allroad	2008-2015 Q5
2008-2015 A5	

Seat:

2000-2015 Alhambra	2000-2013 Leon
2004-2015 Altea/Altea XL	2004-2011 Toledo
2002-2009 Cordoba	
2002-2015 Ibiza	

Skoda:

2000-2014 Fabia	2002-2008 Superb
2007-2015 Fabia II	2009-2014 Yeti
2000-2010 Octavia	
2004-2015 Octavia II	
2010-2015 Praktik	
2008-2015 Superb II	
2011-2015 Rapid	
2007-2015 Roomster	

VW:

2010-2016 Amarok	2002-2005 Lupo
2002-2015 Beetle	2002-2015 Passat/CC
2002-2008 Bora	1999-2014 Polo
2003-2015 Caddy/Maxi	2008-2014 Scirocco
2006-2015 EOS	2002-2015 Sharan
2005-2011 Fox	2007-2015 Tiguan
2002-2015 Golf	2003-2015 Touran
2005-2014 Golf Plus	2003-2017 Transporter
2005-2015 Jetta	

Crankshaft locking tool for VAG



9G1208

100/20/21/2' 194g



- Applicable to many earlier VAG 1.9 and 2.0 TDI diesel engines in:
  Audi: A3, A4, A6
  Seat: Altea, Alhambra, Leon, Toledo
  Skoda: Fabia, Octavia II
  VW: Beetle, Bora, Caddy, Fox, Golf, Golf Plus, Jetta, Lupo, Passat, Sharan, Touran
- Engine codes: AZV, BKD, BMN, BMP

Crankshaft locking tool for VAG





9G1301

100/19/20/1.7' 1.9kg

- Applicable to many earlier VAG 1.2, 1.4 and 1.9 TDI diesel engines in:

Audi:	2001-2006	A2	1999-2002	A4
	2001-2003	A3	1998-2002	A6
Seat:	1999-2010	Alhambra	2000-2005	Leon
	1999-2005	Arosa	2000-2005	Toledo
Skoda:	2000-2005	Fabia	2002-2008	Superb
	2000-2006	Octavia	2006-2007	Roomster
	2005-2010	Octavia Tour		
VW:	2000-2011	Beetle	1998-2002	Passat
	1998-2002	Bora	1999-2002	Polo
	1998-2012	Golf	1999-2010	Sharan
	1999-2005	Lupo		

- Engine codes:
  ANY, AYZ, AMF, ATL, BHC, AJM, ANU, ARL, ASZ, ATD, ATJ, AUY, AVB, AVF, AWX, AXR, BSW, BTB, BVK

Locking tool set for VAG





902G2

50/12.3/13.3/1.5' 234g

- Applicable to many earlier VAG 1.2, 1.4 and 1.9 TDI diesel engines in:

Audi:	2001-2006	A2	1999-2002	A4
	2001-2003	A3	1998-2002	A6
Seat:	1999-2010	Alhambra	2000-2005	Leon
	1999-2005	Arosa	2000-2005	Toledo
Skoda:	2000-2005	Fabia	2002-2008	Superb
	2000-2006	Octavia	2006-2007	Roomster
	2005-2010	Octavia Tour		
VW:	2000-2011	Beetle	1998-2002	Passat
	1998-2002	Bora	1999-2002	Polo
	1998-2012	Golf	1999-2010	Sharan
	1999-2005	Lupo		

- Engine codes :
  ANY, AYZ, AMF, ATL, BHC, AJM, ANU, ARL, ASZ, ATD, ATJ, AUY, AVB, AVF, AWX, AXR, BSW, BTB, BVK

Contents:
1pc Injection pump locking pin
1pc Tensioner locking tool
1pc Crankshaft locking tool

Vibration damper holding tool set for VAG

NEW



905G26

6/10.3/11.3/1.4' 1722g

- Used for dismantling and assembling the vibration damper on the vehicles listed on 4 cyl. 1.8L, 2.0L, 4V TFSI direct injection engine.
- Engine codes:
  BZB, BYT, CABA, CABB, CABD, CDHA, CDHB, CJED, CJEE, CJSA, CAWA, CAWB, CBFA, CCTA, CCZA, CCZC, CDAA, CDNC, CDND, CCZB, CCZD, CDAB, CDNB, CESA, CETA, CFKA, CFPA, CGYA, CHHA, CHHB, CJKA, CHHC, CHJA, CJKB, CJSB, CJSC, CJXA, CJXB, CJXC, CJXE, CJXG, CJXH, CNCB, CNCD, CNCE, CPLA, CPSA, CULA, CULB, CULC, CYNB, CYPA, CYRB, CYRC, CWZA, CYBB, CYGA, DAJA, DAJB, DEDA



- Application:

Audi:

2015-2017	A1	
2007-2017	A3	
2007-2017	A4	
2007-2017	A5	
2012-2017	A6	
2014-2017	A7	
2012-2014	A8	
2011-2017	Q3	
2008-2017	Q5	
2008-2017	TT	
2015-2017	Q7	
2014-2017	S1	
2013-2017	S3	

Seat:

2006-2015	Altea	
2010-2013	Exeo	
2015-2017	Ibiza	
2007-2017	Leon	
2007-2017	Toledo	

Skoda:

2007-2017	Octavia	
2008-2017	Superb	
2009-2015	Yeti	

VW:

2010-2016	Amarok	
2013-2017	Beetle	
2012-2015	CC	
2008-2015	Eos	
2007-2017	Golf	
2008-2017	Scirocco	
2011-2017	Sharan	
2007-2016	Tiguan	
2015-2017	Touran	
2011-2015	Transporter T5	
2015-2017	Transporter T6	
2007-2017	Passat	
2014-2017	Polo	

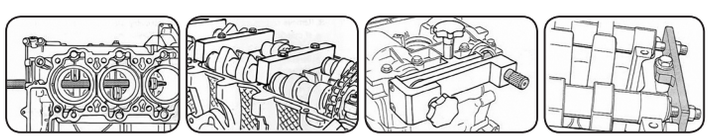
Engine timing tool set for PORSCHE Boxster, 911



908G17

3/17.2/18.2/2.2' 5730g

- Comprehensive 8-piece tool kit to establish proper engine timing when performing major engine / valve train service.
- Application:
  PORSCHE 2.5, 2.7, 3.2, 3.4, 3.6L petrol engines in:
  Porsche: 911 (97-01), Boxster (97-02)
- Engine codes:
  M9620, M9622, M9623, M9625, M9720, M9621, M9624, M9626, M9601, M9602, M9604, M9721, M9722, M9603, M9603S, M9670, M9679



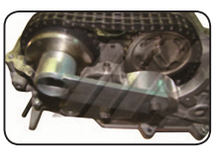
Engine timing tool set for PORSCHE

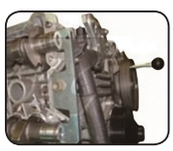


903G22

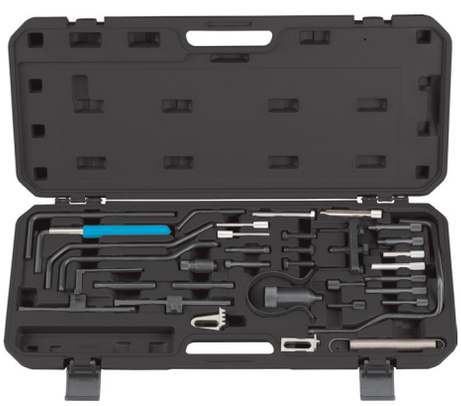
10/10/11/10.8' 962g

- Special design to align the engine timing on Porsche.
- Application:
  PORSCHE 2.7, 3.2, 3.4, 3.6, 3.8L petrol engines in:
  Porsche: Boxster (02-11), Cayman (06-09) and
  911 Carrera (01-08)
- Engine codes:
  M96/23, M96/25, M97/20, M96/24, M96/24S,
  M96/26, M97/21, M97/22, M96/03, M96/03S,
  M96/05, M97/01, M97/01S





Engine timing tool set for CITROEN / PEUGEOT



935G1

5/18/19/2.0' 3.6kg

- This comprehensive timing tool set can correct engine timing when replacing the timing belt.
- Application:
  PSA 1.0, 1.1, 1.4, 1.6, 1.8, 1.9, 2.0L and 1.6, 1.8, 2.0, 2.2 16V petrol engines in:
  Citroën: AX, BX, ZX, XM, Saxo, Xsara, Xantia,
  Synergie/Evasion, Berlingo, Dispatch/Jumpy,
  C15, Relay/Jumper, C5, C9
  Peugeot: 106, 205, 206, 306, 307, 309, 405, 406, 407,
  605, 806, 807, Expert, Partner, Boxer,
  406 Coupe, 607
- Application:
  PSA 1.4, 1.5, 1.7, 1.8, 1.9, 2.1, 2.5 D TD, TDI and 1.4, 1.6, 2.0, 2.2 HDI diesel engines in:
  Citroën: AX, ZX, XM, Visa, Xsara, Xantia,
  Dispatch/Jumpy, Synergie/Evasion, Berlingo,
  C2, C3, Relay/Jumper
  Peugeot: 106, 205, 206, 305, 307, 309, 405, 406,
  406 Coupe, 605, 607, 806, Express, Expert,
  Partner, Boxer

Engine timing tool set for CITROEN / PEUGEOT



911G7

10/15/16/1.6' 1500g

- This comprehensive set of tools enables the correct engine timing to be made when replacing the timing belt.
- Suitable for use on most of the recent cars with either HPI (petrol) or HDI (diesel) engines.
- Application:

PSA 1.8, 2.0L 16V petrol engines in:

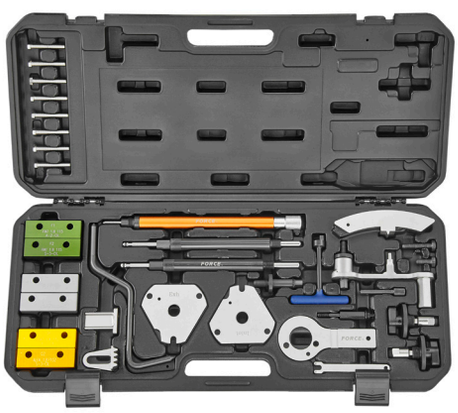
Citroën: 2006-2010 C4 Picasso / Grand Picasso
2004-2008 C5 II
2005-2010 C8
2007-2011 Dispatch / Jumpy
2002-2005 Xsara Picasso

Peugeot: 2000-2004 406
2006-2010 407
2002-2005 807

- Engine codes:

EW7J4, EW10J4, EW10J4S, EW10D-Hpi, EW12J4

Engine timing tool set for FIAT



934G1

5/23.4/24.4/1.7' 4680g

- Petrol engines:

Fiat: Brava, Bravo, Barchetta, Cargo, Coupe, Marea, Palio, Weekend, Punto, Multipla, Stilo, Idea Doble, Twin Cam Engines 1.2 1.4 1.6 1.8 16V.

- Engine codes:

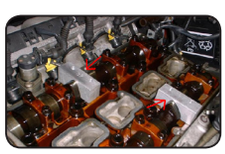
176B9.000, 182B2.000, 188A5.000, 182A3.000, 182A5.000, 182A2.000, 182A4.000, 182A6.000, 182B6.000, 836A3.000, 175A1.000

- Diesel engines:

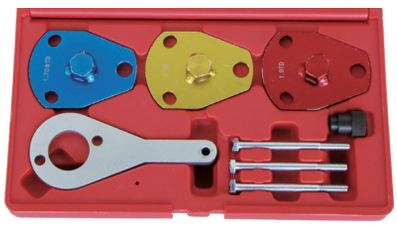
Fiat: Brava, Bravo, Marea / Weekend, Palio, Punto, Multipla, Doblo, Ulysse, Ducato, Stili JTD Diesel Engines 1.9D / TD 1.9JTD 2.4TD / JTD.

- Engine codes:

182A1.000, 175A3.000, 182A7.000 (TD100), 182A8.000 (TD75), 182B4.000, 185A6.000, 188A3.000, 192A1.000, 192A3.000, 176B3.000, 176A3.000, 176A5.000



Engine timing tool set for FIAT



907G16

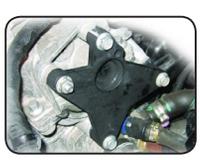
10/14/15/0.9' 1400g

- Kit includes all the diesel timing tools for Fiat Punto, Ducato, Tempra, Tipo and models with an adjustable camshaft timing belt pulley.
- Applicable:

Fiat: 1996-1997 Punto 1.7D/TD/CAT/EGR
1994-2002 Ducato 1.9D/TD
1994-2002 Tempra 1.9D/TD
1994-2002 Tipo 1.9D/TD

Engine timing tool set for FIAT / ALFA ROMEO





910G7

10/10/11/0.8' 1000g

- Kit consists of crankshaft locking tool, camshaft setting plate and belt tensioner adjuster for the 1.2 engine, and additional sprocket locking tool and alignment fixture for the camshaft on the 1.4 WT engine.
- Application:

FIAT, ALFA ROMEO 1.2 8V, 1.4 16V petrol engines in:

Fiat: 2007-2015 500
2007-2015 500C
2005-2010 Doblo/Cargo
2009-2015 Fiorino
2007-2012 Grande Punto
2005-2012 Idea
2007-2011 Linea
2009-2013 Panda/Panda Classic
2005-2012 Panda EVO2
2012-2015 Punto
2009-2012 Punto EVO
2009-2015 Qubo
2000-2011 Seicento/600

Alfa Romeo: 2010-2015 Mito

- Engine codes:

169A4.000,199A4.000, 199A7.000, 350A1.000, 955A9.000

Engine timing tool set for FIAT / ALFA ROMEO



903G23

48/11.5/12.5/2.0' 240g

- Includes camshaft setting tools and flywheel/crankshaft locking pin.
- Application: FIAT, ALFA ROMEO 1.3 diesel engines in:

Fiat: 2007-2016 500
2004-2010 Doblo/Cargo
2008-2016 Fiorino
2005-2011 Grande Punto
2004-2011 Idea
2007-2011 Linea
2003-2016 Panda
2003-2011 Punto
2009-2014 Punto Evo
2008-2016 Qubo

Alfa Romeo: 2008-2016 Mito

- Engine codes:

169A1.000, 188A8.000, 188A9.000, 199A2.000, 199A3.000, 199A9.000, 199B1.000, 199B2.000, 223A9.000

Engine timing tool set for FIAT / ALFA ROMEO

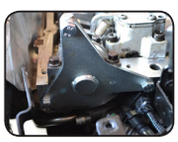
NEW



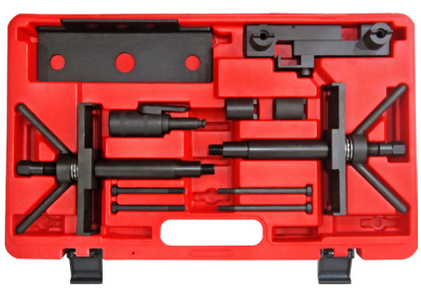
910G10

10/12/12.7/1.81' 1080g

- Features a camshaft setting plate, crankshaft locking tool and tensioner adjuster.
- Application:
  FIAT, ALFA ROMEO 1.4 Multiair petrol engines in:
  Fiat: Bravo (10-15), Punto Evo (09-12), Punto (12-14)
  Alfa Romeo: Guilietta (10-16), MiTo (09-16)
- Engine codes: 198A7.000, 940A2.000, 955A2.000, 955A6.000, 955A7.000, 955A8.000


Engine timing tool for VOLVO



912G10

4/22/23/1.6' 5500g

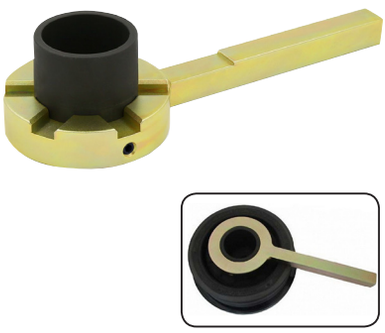
- For alignment of the cam and crankshafts.
- Also enables correct installation of the camshafts with the cam cover.
- Application: VOLVO 2.5 ST petrol engines in:

Volvo:	2006-2013 C30	2004-2012 V50	
	2006-2013 C70	2015-2016 V60	
	2003-2012 S40	2002-2012 V70	
	2003-2016 S60	2014-2016 XC60	
	2003-2014 S80	2002-2007 XC70	
	2012-2015 V40	2002-2014 XC90	

- Engine codes:
  B5254 T2, B5254 T3, B5254 T4, B5254 T5, B5254 T6, B5254 T7, B5254 T8, B5254 T9, B5254 T10, B5254 T11, B5254 T12, B5254 T14



Crankshaft harmonic balancer holder tool for BMW



9G1220 10/18/19/1.0' 1674g

- Holds vibration damper when loosening and tightening center crankshaft bolt.
- Application:

BMW M47 (00-07), N47 (07-14) diesel engines in:
1 Series: 120d (E81)
3 Series: 318d, 320d (E46/E90/E91)
5 Series: 520D (E39/E60/E61)
X Series: X3 2.0d (E83)

Crankshaft pulley holder for BMW N47, N57

NEW



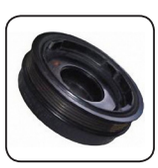
905G25 5/13.7/14.1/0.85' 2250g

- Used for aligning and holding the angle of the crankshaft and pulley while installing and removing the crankshaft pulley.
- Application:

BMW N47/N47S (07-14), N57 (08-18) diesel engines in:
1 Series: 118d (E81/E87)
120d (E81/E82/E87)
123d (E81/E82/E87)
3 Series: 318d (E90/E91)
320d (E90/E91/E92)
5 Series: 520d (E60/E61)
X Series: X2 2.0d (E83)

Crankshaft pulley holder tool for BENZ M272, M273





9G1219 10/20/21/1.0' 1936g

- For removal and replacement of the crankshaft bolt.
- Application:

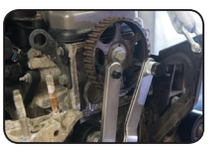
BENZ: M272 (04-15), M273 (06-13) petrol engines in:
C-Class: C230, C280, C300, C350 (W203/W204/W211),
CLK280, CLK350, CLK500, CLK550 (C209),
CLS280, CLS350, CLS500, CLS550 (W219)
E-Class: E280, E300, E350, E500 (W211/W212/C207)
G-Class: GLK300, GLK350 (X204)
S-Class : S450, S500 (W211), SLK280, SLK350 (R171)

11pc Universal pulley holder & fan clutch set



911G1 12/26.3/27.3/2.2' 2188g

- This set is designed to remove and install fan lutches & to hold the camshaft pulley.
- Used for most of the cars.
- Contains different taps to fit any cars and pin width can adjust.
- Can adjust different width from 40 mm to 220 mm.
- Size available:
  6-10 mm, 8-11 mm, 10-12 mm, 11-16 mm



Camshaft & injection pump sprocket holding turning tool



9G0606 24/24/25/2.5' 990g

- Can be used for universal.
- Essential tool called for on many timing belt / engine timing application.
- Used to counter-hold camshaft or injection pump sprockets to allow release of retaining bolt.
- The tool fits for all models with sprocket holes larger than 12 mm (1/2") & hole separations from 19 mm to 190 mm (3/4" - 7.5").

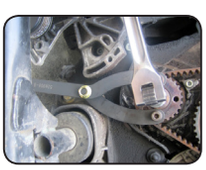


TOYOTA Cam wrench tool kit



915G1 16/18.3/20.5/2.2' 1140g

- Universal design fits many different types of pulleys having slots or holes, including camshaft pulleys and crankshaft pulleys.
- Wrench is adjustable from 1-1/4 inch to 5 inches; works with 1/2" ratchet or breaker bar.



Camshaft pulley holder for SUBARU

NEW



9G0619 10/6.8/7.8/0.69' 724g

- The tool is designed to fix the timing belt, and to remove or install the camshaft pulley.
- Front part with 12 points / 60 mm could be used on the belt of 6 points and 12 points.
- Application:

Subaru: Impreza EJ20 engine, Impreza WRX with 2.0 turbo 2002-2005 and some 2.5 L turbo engines requiring use of the both SU 3625 and SU 200T.

Note: This tool will not fit 2.0 turbo 2005 with the variable cam timing.



Camshaft pulley holder for SUBARU

NEW



9G0620 8/8.6/9.6/1.0' 1073g

- Size: 90 mm
- Used for fixing, removing, and installing timing belt easily.
- Front part with 3 points which could fix the belt of Forester.
- Suitable for Subaru Forester 2500 C.C



3 in 1 Camshaft pulley holder for SUBARU

NEW



9G0621 20/11.2/12.2/0.6' 558g

- Remove or install both the intake and exhaust camshaft pulley without damaging the camshaft or the pulley.
- Application:

Subaru: 2004-2013 Forester XT
2006-2014 Impreza WRX
2004-2018 Impreza WRX STI
2005-2012 Legacy GT
2005-2010 Outback XT



Universal timing gear holder



9G0617 20/21/23/2.2' 143g

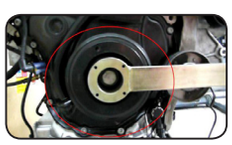
- Used to hold cam gear while removing cam shaft bolt.
- Allows adjustment of cam gear once installation is completed
- Single sliding design makes it quick and easy to adjust.
- Three positions for wider application range.
- Range: 50-150 mm.



Counter hold tool for VAG







9G0616 6/11.1/11.7/0.94' 2290g

- This tool is used for stopping the engine crankshaft pulley / vibration damper when center bolt for crankshaft is under installation or disassembly.
- 810 mm (32" inches) long, with 4 pins, size 5 mm with 42 mm pin spacing.
- Application:

VAG 1.8, 2.0L TSI / FSI / TFSI petrol engines in:

Audi:	2007-2013	A3	2012-2013	A6
	2008-2013	A3 Cabrio	2011-2013	Q3
	2007-2013	A4	2008-2012	Q5
	2008-2013	A4 Allroad	2008-2013	TT
	2007-2013	5 Coupe		
	2000-2013	A5 Sportback		
Seat:	2006-2013	Altea	2007-2009	Toledo
	2007-2013	Exeo		
Skoda:	2008-2013	Octavia II	2009-2013	Yeti
	2008-2013	Superb II		
VW:	2008-2013	Eos	2007-2013	Passat
	2007-2008	Golf V	2008-2012	Passat CC
	2009-2013	Golf VI	2007-2013	Tiguan
	2008-2011	Jetta		

- Engine codes:

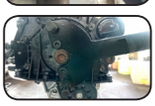
BMD, BJJ, CABD, CABB, CDHA, CDHB, CDNC, CDAA, CCZA, CCTA, CBFA, CCZC, CPSA, CDNB, CAWB, CAWA, CCZB, CCZD, CCAA, CCAB, CJEB, CCZD, CCZB, CDAB, CGYA.

Belt pulley holder for VAG









9G0607 6/12.3/13.3/0.96' 2050g

- Special design to hold the belt pulley on VW, Audi.
- Application:
  VAG 1.2, 1.4, 1.6L 16v petrol engines in:
  Audi: A2, A3, A4, A6, TT
  Skoda: Fabia, Octavia, Superb
  VW: Beetle, Bora, Caddy, Golf, Lupo, Polo, Sharan, Touran, Transporter
- Engine codes:
  ADX, AEA, AEE, AEH, AEX, AFH, AFK, AGP, AGR, AHW, AJM, AJV, AKL, AKQ, ALN, AMF, ANA, ANY, APE, APF, AQQ, ARM, ARR, ATJ, AUA, AUB, AWH, AWY, AXP, AZQ, BAD, BBM, BBY, BBZ, BCA, BKY, BMD, BME, BUD, BXV, BZG, CEVA, CGPA, CGPB, CHFA, CHFB, CJLA

Belt pulley holder for VW



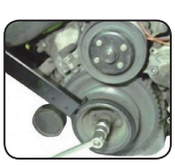


9G0608 6/12.9/13.9/0.96' 2150g

- Special design to hold the belt pulley on VW.
- Application:
  VW 1.4, 1.6L 16v petrol engines in:
  VW: Bora (98-05), Lupo (00-05), Golf (99-06), Polo/Classic (99-02)
- Engine codes: ARC, ATN, AUS, AVY, AZD, BCB

Pulley holder tool (teeth type belt)





9G0708 36/21/22/2.0' 586g

- Ideal for removing and assembling any type of grooved pulley. This modern tool keeps the grooved pulley firmly locked.
- Enables to tighten or to untighten without any difficulty, the pulley locking screw.
- Has more functions than a standard strap or chain wrench, and will not damage components. Ideal for alternator and water pump pulleys, but also essential for electric motors of compressors, washing machines, tool machines etc.
  Also suitable to rotate the camshaft when timing the engine and to remove oil and gasoline filters.

Pulley holder tool (groove type belt)



9G0709 36/21/22/2.0' 586g

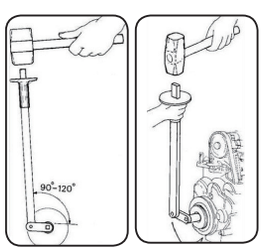
- Ideal for removing and assembling any type of grooved pulley. This modern tool keeps the grooved pulley firmly locked.
- Enables to tighten or to untighten without any difficulty, the pulley locking screw.
- Has more functions than a standard strap or chain wrench, and will not damage components. Ideal for alternator and water pump pulleys, but also essential for electric motors of compressors, washing machines, tool machines etc. Also suitable to rotate the camshaft when timing the engine and to remove oil and gasoline camshaft filters.

1/2"DR. Hand impact wrench

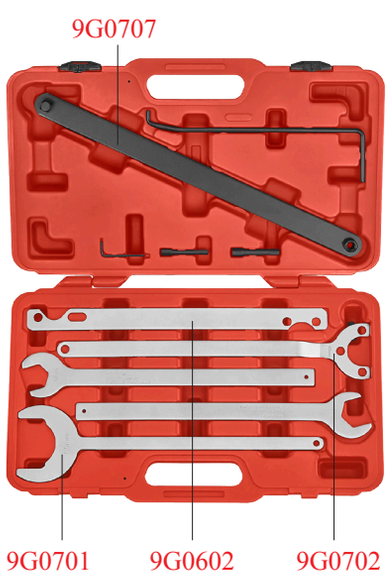


9G0712 12/18/19/0.9' 1375g

- Special design to replace the harmonic balancer pulley.
- It will turn when you try to remove the center nut.
- Applicable: flywheels, pulleys, flanges and etc.



7pc BENZ & BMW Fan service wrench set



907G3 4/16.88/17.88/2.1' 4220g

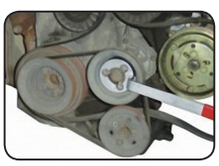
- Removes lock nuts on thermo-Viscous fans found on Ford, BMW… many vehicles.
- Removes lock nuts on thermo-Viscous fans found on Ford, Mercedes… many vehicles.
- Allows the technician to hold the water pump pulley in place while loosening the radiator fan.
- To allow removal of the visco-coupling on the cooling fan.
- Required to remove the radiator fan hub, the reaction spanner is bolted to the front face of the hub.
- Special open-ended spanner to allow removal and replacement of the radiator fan hub.
- The three-in-one design allows servicing three separate areas of repair. All of which require a specialty tool due to their confined locations.

Reaction wrench



9G0704 36/19.8/20.8/2.1' 550g

- For locking of deep-drawn water-pump pulleys on VW and Audi engines. As they are used when E.G. an air conditioning is also built in.
- Safe locking of the water-pump pulley.
- Easy loosening of stubborn bolts on the water-pump pulley.

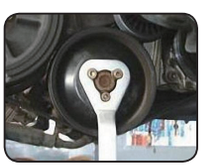


Reaction wrench (1/2"DR.)



9G0705 30/15/16/0.87' 490g

- For locking the pulley on the water-pump on Audi 80/A4, VW Polo, Golf, Passat.
- The 1/2" drive in the tools handle enables an extension of the tool by E.G. a ratchet.
- Easy loosening of stubborn bolts on the water-pump pulley.



Power steering pump pulley kit

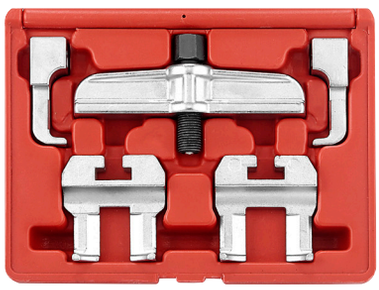


907G12 20/19/20/2.0' 950g

- Thompson & Ford C111, C2 power steering pumps found on Ford, GM & Chrysler vehicles.
- A disconnect tool to release the power steering line from pump on 1989-current GM pickups 1/2T, 3/4T & 1T.



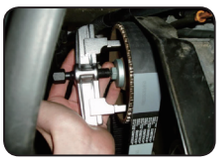
Camshaft drive belt pulley puller



905G4

12/17.8/18.8/0.9' 1510g

- Special puller designed for pulling camshaft pulley wheels on 4 & 6 cylinder, V6 & V8 engines of VW and Audi petrol-engined cars.



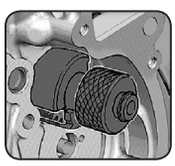
Balancer shaft puller for VAG 1.8 / 2.0

NEW

9G1221

50/12/13/0.5' 250g





- Use for removing the balancer shaft on 4-cylinder injection engine (1.8, 2.0L - chain drive).
- Internal thread M8 x 1.25 for sliding hammer.
- Application:

VAG 1.8, 2.0 petrol engines in:

Audi:	2015-2017	A1	Seat:	2006-2015	Altea
	2007-2017	A3		2010-2013	Exeo
	2007-2017	A4		2015-2017	Ibiza
	2007-2017	A5		2007-2017	Leon
	2012-2017	A6		2007-2017	Toledo
	2014-2017	A7	VW:	2013-2017	Beetle
	2012-2014	A8		2012-2015	CC
	2011-2017	Q3		2008-2015	Eos
	2008-2017	Q5		2007-2017	Golf
	2015-2017	Q7		2011-2014	Jetta
	2014-2017	S1		2007-2017	Passat
	2013-2017	S3		2014-2017	Polo
	2008-2017	TT		2008-2017	Scirocco
Skoda:	2007-2017	Octavia		2011-2017	Sharan
	2008-2017	Superb		2007-2016	Tiguan
	2009-2015	Yeti		2015-2017	Touran

- Engine codes:

BZB, CDAA, BPU, BYT, CABA, CABB, CDHA, CDHB, CABD, DAJB, CJSA, CJSB, CJEB, CJEE, CJED, CYGA, DAJA, CDAB, CJSC, CGYA, CAWB, CCZA, CBFA, CCTA, CDNB, CDNC, CFKA, CHJA, CCZC, CPSA, CESA, CETA, CNCD, CYRB, CYRC, CNCE, CYNB, CYPA, CYPB, CULB, CULC, CNCB, CWZA, CJXF, CJXC, CJXB, CJXG, CHHC, CCZD, CJKA, CJKB

22pc Alternator repair kit set



922G3 4/8.3/9.3/0.87' 2169g

- Removes and installs press-on-type belt drive accessory pulleys.
- Applicable:
  VW, Audi, Seat, Mercedes Benz, Ford Renault, BMW, Fiat, etc….
- Specification:
  - **A.** 17 mm Hex socket
  - **B.** 22 mm Hex socket
  - **C.** 22 x 28 mm Hex socket
  - **D.** 21 x 28 mm Hex socket
  - **E.** 19 x 28 mm Hex socket
  - **F.** 35 mm Round W / 4 pin
  - **G.** 38 mm Hex W / 3 pin
  - **H.** 33 teeth - Ø17.6 x 15 mm hex
  - **I.** 33 teeth - Ø19.2 x 15 mm hex
  - **J.** 33 teeth - Ø19.3 x 22 mm hex
  - **K.** 3/8"DR. x M10 x 72 mmL W / 31 teeth - Ø14 x 12 mm hex
  - **L.** 1/2"DR. x T50 x 110 mmL W / 33 teeth - Ø19.5 x 17 mm hex
  - **M.** 1/2"DR. x M10 x 110 mmL W / 33 teeth - Ø19.5 x 17 mm hex
  - **N.** Bit H10 socket W/10 mm hex drive end

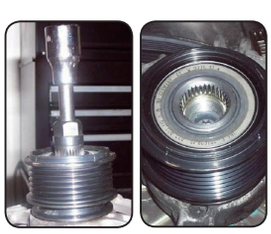


VW / AUDI V-belt pulley remover



67402 400/20/21/0.46' 50g

- Special design to stop the pulley and remove the center bolts to remove the V-belt pulley at the generator.
- Use with 17 mm wrench.
- Applicable:
  VW: Golf, Vento, Passat,
  Audi A3 and Volvo.

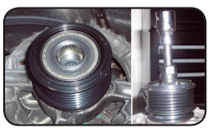


2pc M10 Alternator tools



674	l		
Part no.	mm	packing	g
674	110	100/18.2/19.2/1.5'	182

- 1pc 1/2"DR. Spline (XZN) socket bit M10 x 110 mmL
- 1pc Reaction corkscrew cap 33 teeth - Ø19 mm - 17 mm hex
- Application:
  VW, Audi, Skoda, Porsche, BMW, Ford, Mercedes-Benz etc.



2pc T50 Alternator tools



678	l		
Part no.	mm	packing	g
678	110	100/21.2/22.2/1.5'	212

- 1pc 1/2"DR. Torx socket bit T50 x 110 mmL
- 1pc Reaction corkscrew cap 33 teeth - Ø19 mm - 17 mm hex
- Application: Mercedes A Class.

Universal camshaft sprocket puller



905G18 10/17/18/1.2' 1694.5g

- Hold the sprocket and undo the retaining bolt or nut and remove.
- This tool enables the removal of the camshaft sprocket on a wide range of vehicles
- Suitable: 45-70 mm



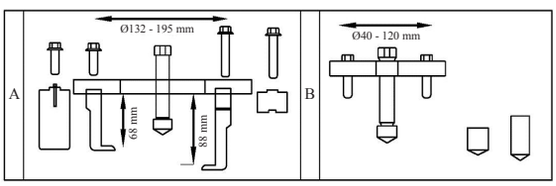
Gear puller



909G2

6/17/18/1.2' 2830g

- Depth: 68-88 mm
- Outside: A Ø132-195 mm, B Ø40-120 mm





Puller for ribbed drive pulleys

NEW



902G27

15/19.3/20.3/0.59' 1289g

- This tool helps to remove the crankshaft pulleys without causing damage.
- Suitable for crankshafts, alternators, air conditioning units and water pumps.
- Pulley capacity: 45 to 165 mm.



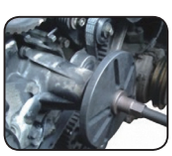
Balancer puller & installer

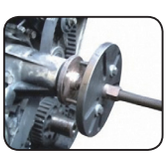


945G1

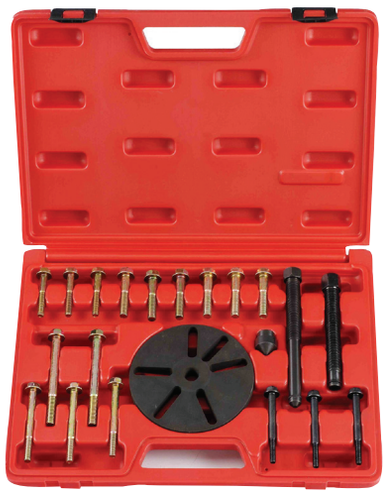
6/14.6/15.6/1.3' 2430g

- A professional tool set for balancer replacement.
- Built-in bearing makes balancer replacing job easy and damage-free.
- 4-Slot puller plate plus 9 threaded adapters fit to balancers on most engines.





Heavy duty universal & GM harmonic balancer puller



921G1

5/14.4/15.4/1.5' 2880g

- Heavy duty forcing screw & bolt kit suits most harmonic balancers, timing gears & pulleys with 2/3" tapped.
- GM forcing screw & bolts suits gm 3.81 v6 balancer pulleys.
- Bolt sizes:
  3pc 1/4" UNF x 3"
  3pc 10 mm x 50 mm
  3pc 5/16" x 2"
  3pc 80 mm x 80 mm
  3pc 3/8" x 2"
  2pc 3/8" x 4"

Puller, Harmonic damper pulley (CHRYSLER, GM)



906G9

16/23.5/24.5/1.5' 1470g

- New spring-loaded legs allow for leg position retention
- Provides greater ease and control when installing the puller in confined areas
- Removes harmonic damper pulleys found on many Chrysler and GM engines
- Used on autos, pickups, SUVs, and vans.



Dual mass flywheel wear testing tool



922G5

5/15.5/16.5/1.6' 3100g

- Indispensable tool for the quick and professional wear tests of Dual Mass Flywheels (DMF).
- Tests can be performed directly on the vehicle if the clutch has been removed.
- The test involves checking the rock allowance (axial play) and the freeplay angle (torsion of the secondary flywheel against the primary flywheel until the tension of the spring can be felt).



SAC Clutch alignment tool kit

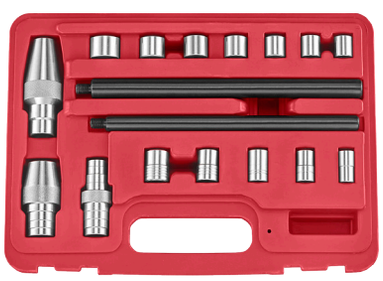


929G2 2/19.5/20.5/1.2' 9343g

- This kit allows the professional dismounting and mounting of all self-adjusting clutches (SAC).
- During assembling and disassembling operations the pre-tightening of the pressure plate is required in order to avoid clutch deformations.
- The 6-arms plate has been designed for use with 3 and 4 fixing points, for clutches with 6 or 8 locking holes.
- Application:
  VW, Audi, BMW, Ford, Mercedes-Benz, Renault, Vauxhall / Opel, Volvo...etc.



17pc Clutch alignment tool set





917T2 12/15/16/1.9' 1352g

- Essential for clutch installation on almost all cars and light-duty trucks. Align clutch plate properly by using tapered cones and pilot adapters.

Contents:

7pc Fractional pilot adapter
19/32", 5/8", 11/16", 3/4", 25/32", 13/16", 1"
5pc Metric pilot adapter 12, 14, 16, 17, 19 mm
2pc Alignment shaft
3pc Clutch disc centering adapter

Universal clutch aligning tool



903T6 48/9.2/11.2/2.8' 143g

- Special design aligns and assembles clutch on the workbench for easy installation.
- Suitable for front wheel drivers that have no pilot bearing in flywheel.
- Designed for most vehicles up to 5 tons with single-plate clutches.



Clutch centering disc for VAG



902G25 30/2.8/3.8/1.4' 92g

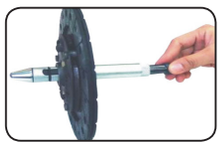
- For the clutch disc mounted inside the fly wheel.
- Adjustment is not possible without this tool, since the outer diameter of the centering disc is decisive.
- Application range:
  Audi, Seat, Skoda and Volkswagen engines.

Clutch centering mandrel tool



902G26 20/8.5/9.5/0.8' 452g

- For fast and exact clutch plate centering on vehicles with clutch guide bearing.
- For passenger cars and small commercial vehicles
- Adjustable from 15-19 mm and 20-26.6 mm.

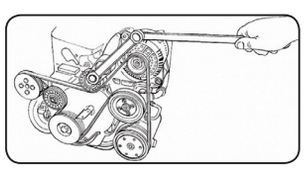


Serpentine belt service tool set



913T1 12/19.2/20.2/1.7' 1610g

- Combines the patented innovation of gear wrench with the requirements of the serpentine belt removal tool to provide the user with the best possible combination.
- Provides coverage for all major vehicles with serpentine belt configuration.
- The versatility and strength of the Gear Wrench allows for unlimited access to serpentine pulley tension arms with added attachments for unlimited coverage.
- Size: 8mm, 12mm, 13mm, 14mm, 17mm, 18mm, 24mm, 5/8", 3/8", 1/2"



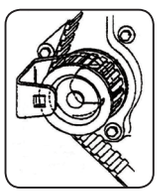
Belt tensioning adjuster



9G0802

48/13.9/14.9/2.0' 280g

- For GM Opel engines. Overcomes difficult access.
- Provides high torque without tilt or slip.
- Size: 41 mm
- 1.2, 1.3, 1.4, 1.6, 1.6D, 1.8 ('87 onwards).



Belt tensioning adjuster



9G0803

48/13.9/14.9/2.0' 280g

- For GM OPEL engines. Overcomes difficult access.
- Provides high torque without tilt or slip.
- Size: 46 mm
- 1.6 (Up to '87), 1.7D, 1.8 (Up to '87), 2.0.

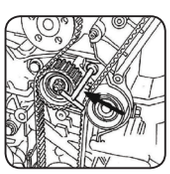
Engine timing tensioner kit

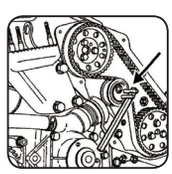


908G6

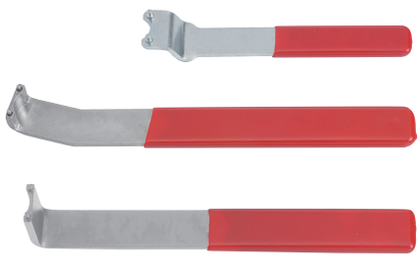
10/14/15/1.2' 1330g

- This set can use for Alfa Romeo, Fiat, Citroen, Peugeot, Renault, Volkswagen.
- A comprehensive range of tension lever and wrenches required for changing the cam belt on most popular petrol and diesel engines.





Adjusting tensioner belt set for VAG





903G15

36/24.7/25.7/1.5' 670g

- Set contains the three types of specialised wrench required to access the timing belt tensioners fitted to a wide range of VAG petrol and diesel engines.
- Application:

Diesel engines:

Audi: 80, 100, A3, A4, A6 1.9 Turbo ID, 1.9TDi, 2.5TDi, A3, A4, A6 2.0TDi, A2, A3, A4, A6 1.2TDi, 1.4TDi, 1.9TDi (99-).

Seat: Ibiza/Cordoba, Leon, Toledo, Alhambra, Inca 1.7SDi, 1.9D/TD/SDi/TDi.

Skoda: Felicia, Octavia 1.9D/TDi.

VW: Polo, Polo Classic, Golf, Jetta, Vento, Bora, Beetle, Passat, Sharan, Caddy, Transporter 1.5D, 1.6D/Turbo, 1.7D/SDi, 1.9SDi/TDi, Golf, Passat 2.0TDi

Petrol engines:

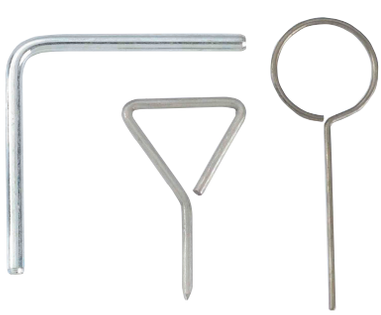
Audi: 80,100, A3, A4, A6 1.6, 1.8/Turbo, 2.0, 2.0 16v, A3, A4 1.6 (96-)

Seat: Ibiza/Cordoba Toledo, Alhambra, Inca 1.6, 1.8, 1.8 16v, 2.0, 2.0 16v, Ibiza/Cordoba, Leon, Toledo 1.6 (99-), Alhambra 2.0 (00-).

Skoda: Octavia 1.6 (97-), 2.0 (99-).

VW: Polo Classic, Scirocco, Corrado, Golf, Jetta, Vento, Passat, Sharan, Transporter 1.6. 1.8/Turbo, 1.8 16v, 2.0, 2.0 16v, Polo Classic, Golf, Bora, Beetle 1.6 (97-)

Belt tension locking pins for VAG



903G8

60/2.4/3.4/0.72' 40g

- Set of timing belt tensioner locking pins for a wide variety of VAG petrol and diesel vehicles. Holds back tensioner assembly on cam belt and auxiliary belt during belt change.
- Application:

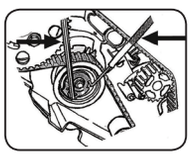
VAG petrol engines: 1.4, 1.6, 1.8, 2.0, 2.8 30v FSI

diesel engines: 1.2, 1.4, 1.9, 2.0 TDI PD



Tensioner adjusting tool for VAG





902G4

120/13.2/14.2/1.0' 110g

- A set of two cam belt tensioner locking tools.
- Engine codes:
  AMF, BMS, BNM, BNV, CAYA, CAYB, CAYC, CAYD, CAYE, CLNA, AVQ, AXB, AXC, AXR, BJB, BLS, BRM, BRR, BRS, BRU, BSU, BSW, BTB, BXE, BXF, BXJ, CFCA, CAAA, CAAB, CAAC, CAAE, CAGA, CAGB, CAGC, CAHA, CAHB, CBAA, CBAB, CBAC, CBBA, CBBB, CBDA, CBDB, CBDC, CBFA, CCHA, CCHB, CDBA, CDCA, CEGA, CFFA, CFFB, CFFD, CFFE, CFGB, CFHA, CFHB, CFHC, CFHD, CFHE, CFHF, CFJA, CGLA, CGLB, CGLC, CGLD, CJAA, CJCA, CJCB, CJCC, CLCA, CLCB, CLJA, CLLA, CMEA, AZV, BKD, BMQ, BMM, BMN, BMP, BRA, BUY

- Application:
  VAG 1.4, 1.9, 2.0 TDI PD SOHC 4 cylinder diesel engines in:

Audi:	2010-2015 A1	2008-2015 A4 Quattro	2011-2015 Q3
	2011-2015 A1 Sportback	2009-2015 A4 Allroad	2009-2015 Q5
	2000-2006 A2	2009-2012 A5 Coupe/Cabrio	2008-2014 TT
	2005-2013 A3/Cabrio	2009-2015 A5 Sportback	
	2007-2015 A4	2008-2014 A6	
Seat:	2005-2012 Altea/Altea XL	2005-2012 Leon	
	2009-2015 Ibiza	2005-2015 Toledo	
Skoda:	2003-2007 Fabia	2010-2015 Praktik	2008-2014 Superb II
	2007-2015 Fabia II	2006-2015 Roomster	2009-2014 Yeti
	2004-2013 Octavia II	2006-2008 Superb	
VW:	2010-2015 Amarok	2005-2014 Golf Plus	2011-2015 Sharan
	2005-2011 Beetle	2005-2014 Jetta	2007-2015 Tiguan
	2005-2015 Caddy/Caddy Maxi	2005-2012 Passat	2005-2015 Touran
	2008-2010 Eos	2008-2012 Passat CC	2006-2015 Transporter
	2005-2014 Golf/Golf Estate	2009-2012 Polo	
	2011-2015 Golf Cabriolet	2010-2014 Scirocco	

Pneumatic chain tensioner for PORSCHE

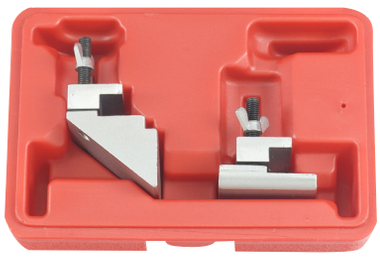


9G0809

30/20.3/21.3/0.66' 676g

- To adjust tension of chain by pneumatic.
- To adjust chain of V8 engine.
- Size: M22 x 1.0P
- Application:
  Porsche cayenne 4.5 L, 4.8 L, Audi A7 petrol engines.

Belt tool kit for elastic- ribbed belts

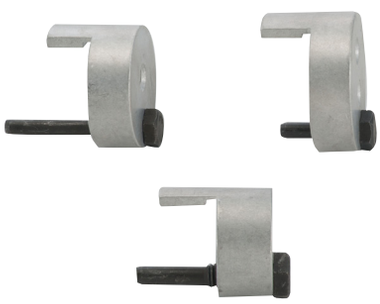


902G9 30/17/18/1.3' 567g

- Suitable for engines with elastic ribbed belts such as Alfa Romeo, BMW, Chrysler, Fiat, Ford, Mercedes, PSA, Seat, Skoda, Smart, Volvo, VW-Audi...etc
- This tool set provides quick easy removal and installation of the new elastic ribbed belts required.




3pcs Belt installing tool set



903G20 100//19/20/2.2' 190g

- Specially designed set of tools for installing the new belt onto the pulley.
- Applicable:
  Ford, Mazda, Volvo, BMW, Chrysler, Citroen, Fiat, Lancia, and so on.



Stretch belt remover / installer



9G0808 200/20/21/1.3' 189g

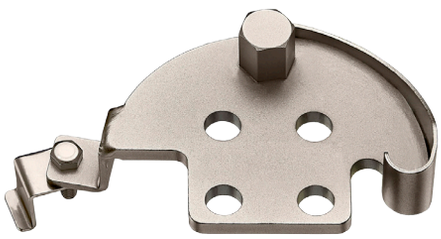
- Unique magnetic faces hold the tool in place on the pulley.
- Helps prevent damage to belt or pulley during removal or installation.
- Compact, one-piece tool can be used on the front or back side of the pulley.





FORD / VOLVO Stretchy belt fitting kit

NEW



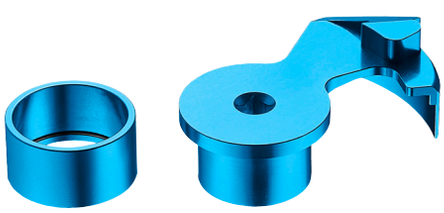
9G0814 30/10.8/11.8/0.99' 360g

- Designed to be used where the universal tools will not work due to the double width crankshaft pulley stopping the belt being fitted.
- The tool allows the belt to be easily rotated into place.
- Applicable:
  Ford Fiesta, Focus, C-Max, Mondeo (1.4 / 1.6),
  Volvo C30, S40, V50 (1.6)



V-Belt installation tool for BMW

NEW



9G0813 20/8.3/9.3/0.77' 414g

- Special design to install the V-belt without causing damage.
- Applications:
  BMW N47, N57TU, M47, M47TU, M47T2, M57, M57TU, M57T2.



Universal tensioning gauge for cam belts



9G0804 48/20.6/21.6/2.0' 338.5g

- This tensioning gauge can be used to adjust the tension on the cam belts where the movement of the timing belt is measured by load.
- Suitable for use on cam belts with various belt thickness.
- Easy to use.
- Clear incremental marking with knurled knob for precise measurement.
- Dual scale allows reading from top or bottom of tool. (large and small numbers for compatibility)



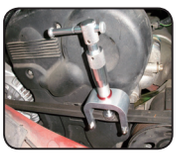
Universal engine belt tension tester



9G0609

40/10.5/11.5/0.9' 250g

- This tool can be used to confirm tension on the engine belt of cars.
- Simple to check the belt for proper tension.
- Suitable for all common types of engine belt. Including timing ribbed tooth and V-belt.



9pc Hose clamp pliers kit



909G3

6/15.9/16.9/3.0' 2650g

Contents:

1pc Flexible hose clamp pliers
2pc Swivel jaw hose clamp pliers
1pc Angled flat bank hose clamp pliers
1pc Flat bank hose clamp pliers
1pc CLIC-R collar pliers
1pc Hose remover pliers
1pc Screwdriver
1pc Hose remover





Hose clamp pliers kit (Interchangeable)

NEW



915G7

3/7.3/8.3/1.2' 2420g

- Straight and angled hose clamp pliers with a selection of interchangeable jaws to remove and install most ring type or flat band hose clamps.
- Flexible hose clamp pliers convenient for work in hidden area or in long distance.

Contents:

1pc Straight hose clamp pliers
1pc Angled hose clamp pliers
1pc Flexible hose clamp pliers
1pc Hose removal pliers
10pc Interchangeable tips

9pc Hose clamp pliers kit



909G9 6/10.7/11.7/1.4' 1780g

Contents :

1pc Universal hose clamp pliers
1pc CLIC-R collar pliers
1pc 3/8"DR. Hose clip tool
2pc Hose remover set
1pc Slotted stubby screwdriver 1.2 x 6.5 (25mmL)
3pc 1/4"DR. 6pt. Flank socket 6 mm, 7 mm, 8 mm

Flat band hose clamp pliers



62518 72/18/19/2.6' 250g

• Removes and installs new style flat band hose clamps.
• Jaws rotate to grip at any angle.



Angled flat band hose clamp pliers



62522 48/10.9/11.9/2.7' 227g

• Designed to remove and install flat band hose clamps in hard-to-reach areas. Pliers feature angled jaws with rotating tips to grip clamps at any angle. Locking latch securely holds clamp in position.



Hose clamp pliers (for VAG)



62530 72/14.5/15.5/2.8' 201g

- For the operation of spring band hose clamps whose three ends are located on tubes, e.g. on fuel lines and tank ventilation lines on Audi, Seat, Skoda, VW.



Flexible hose clamp remover



9G0201 36/22.6/23.6/3.5' 630g

- For replacement of fuel, oil and water hose.
- Hose clamp with flexible 630 mm wire.
- Convenient for working hidden areas and long distance.



Hose clamp pliers (for VW, AUDI 2.0)





9G0208 24/20.5/21.5/2.3' 854g

- Special jaw design for VW, Audi 2.0 TDI engine lower water hose clamp.
- Max clamp capacity: 55 mm.
- Flexible 630 mm cable enables user to reach, remove and lock clamp into the open position.



Universal hose clamp pliers



9G0126 24/10.5/11.5/2.0' 416g

- Special angled jaws designed for most kinds of hose clamps.
- Finger tip "position lock" to keep hose clamp spreading open.
- Capacity: 0-65 mm





Hose clamp pliers

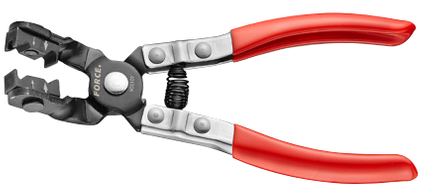


62528	*l*		
Part no.	mm	packing	g
6252807	180	30/8.4/9.4/0.73'	280
6252809	230	30/13.8/14.8/1'	460

- Deep-slotted Jaws can remove and replace all size spring wire hose clamps and lock them safely in an position.



Hose clamp pliers (angle type)



9G0109 40/11.4/12.4/2' 285g

- Designed with angle type to any space.
- Swivel tip designed for refitting and release.
- For CLIC and CLIC-R type hose clamp.

CLIC-R Collar pliers



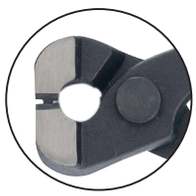
9G0104 50/13/14/1' 260g

- For releasing and refitting reusable hose clips.
- For type CLIC and CLIC-R.



Hose clip pliers





9G0117

36/15.1/16.1/1.2' 419g

- For fitting 1-lug or 2-lug hose clips.
- The special arrangement of the jaw allow, the clips to be closed either at the end or at the side, depending on the accessibility of the working area.
- Size: 230 mm



3/8"DR. Hose clip tool



9G0120

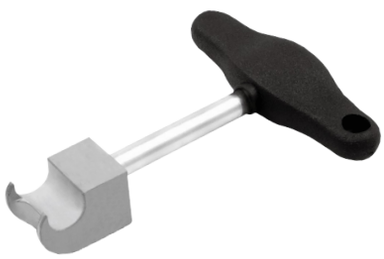
80/15.2/16.2/1.1' 190g

- Designed to fix the hose without removing sensors, duct, hose...etc. that are near the hose clamps.
- The end shape with trapezoidal teeth does not slip and allows various positions. (vertical, horizontal, diagonal...)
- Suits difficult work with pliers type tool of vehicle type.



Hose clamp removal tool

NEW



62532

96/12/13/1.78' 125g

- Universally designed for the loosening / opening of HENN clamps as found on coolant hoses / charge air hoses in passenger cars.
- Application:
  VW-Audi, Seat, Skoda, BMW, Peugeot, Citroen, Dacia, Fiat, Ford, Kia, Lexus, Mazda, Mercedes, Nissan, Vauxhall / Opel, Porsche, Renault, Toyota, Volvo etc.



2pc Hose remover set



902G22 72/16/17/3.4' 222g

- Allows the mechanic to easily free stuck or adhered automotive hoses without fear of hose damage or personal injury.
- Perfect for use on coolant, vacuum, oil and power steering hoses of all diameters.




Heater hose disconnect tool for FORD

NEW



9G0729 72/1.2/1.7/0.8' 15g

- Heater hose connections are in hard-to-reach area and difficult to turn.
- To just clip this tool on and turn makes this job easy.
- Application:
  Ford: Focus 2.0L (12-16),
  Escape/Kuga 2.0L EcoBoost (13-16).



Intake manifold release tool for VAG

NEW



902G29 144/18.5/19.5/1.7' 101g

- Used for releasing intake manifold pipes.
- Suitable for 1.0, 1.2 and 1.4 direct injection petrol engines.
- Application:
  Audi: A3, Q3 (13~)
  Seat: Leon (13~), Ibiza (13~), Ateca (16~)
  Skoda: Octavia (13~)
  VW: Golf (13~)



Hose removal pliers



9G0105

60/12/13/2.1' 218g

• For easy removal of 5/32" to 1/2" vacuum and fuel hoses.



Professional hose removal pliers



9G0106

72/14/15/2.4' 194g

• For easy removal of 4 mm to 21 mm vacuum and fuel hoses.
• Special mini anti-slip jaw to avoid pipe slip and to make removal easy.

Fluid hose clamp



9G0110

96/5.8/16.8/1.4' 165g

• Completely or partially closes flexible brake, fuel, and vacuum, fluid line. All steel construction with adjustable locking collar.



Hose pinch-off tool (bar type)



9G0111 72/18.5/19.5/0.9' 257g

- Suited for both brake and fuel lines.
- Effective pinch action with rounded clamp section to prevent damage to hose lining.



4pc Fluid line clamp set



904G8 24/12/13/1.2' 470g

- Conveniently pinch off fuel, vacuum, transmission, brake, heater lines and more.
- Sizes: 3/8" (~Ø10 mm), 1/2" (~Ø15 mm), 1" (~Ø25 mm), 1-3/4" (~Ø45 mm)



3pc Hose pinch-off pliers (8", 10" & 12")



9G0112 18/22.5/23.5/1.9' 1.25kg

- The pinch-off pliers act as a third hand to help you keep hose changed tightly when you are servicing various engine components.
- No need to drain cooling system when changing thermostats and thus can save coolant and time.
- Jaws swivel for parallel clamping.
- Locking ratchet provides tight grip in just about any position.
- Can also be used to pinch-off many other hoses.
- Do not use on wire reinforced radiator hose.



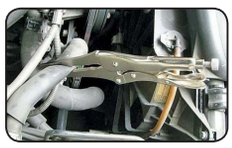
	l
Part no.	inch
9G0112A	8
9G0112B	10
9G0112C	12

Locking pinch-off pliers

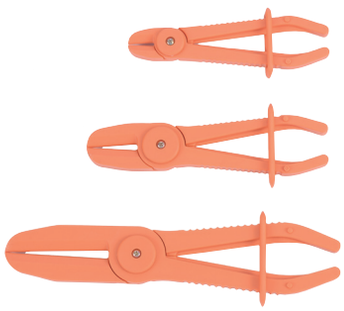


9G0115	l		
Part no.	mm	packing	g
9G0115	280	40/19/20/1.3'	475

• Pinch off and lock on butane gas lines and copper tubing.



3pc Hose pinching pliers



903G12 60/18/19/3.6' 300g

• Smooth, rounded jaw, edged prevent damage to internal hose reinforcement.
• Quick and simple,one handed use.
• Size: Hose clamp for up to 10 mm, 15 mm, 24 mm line diameter



3pc Hose clamp gripper set 90°



903G18 24/9/10/2.4' 375g

• Made of heat resistant nylon.
• Rounded jaw edges prevent damage to internal hose reinforcement.
• Features locking mechanism for simple one-handed use.
• Suitable for brake, coolant, fuel & vacuum hoses.



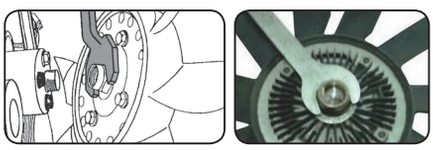
Viscous fan spanner



9G0710



9G0710B



9G0710 / 9G0710B

Part no.	Size	packing	g
	mm		
9G0710	32	36/21.4/24.5/1.2'	595
9G0710B	32 & 36	36/21.4/24.5/1.2'	595

- For removal of thermo, viscous fan hubs. Cranked for easy access.
- Size: 32 mm
  BMW 316, 520i, 525i, 530i, 535i, 730i & 735i.
  Ford Capri, Sierra, Granada 2.0 & 2.8.
  Ford Ttansit 2.0 1986-90 (with viscous fan)
  LCX 2.0, LCT 2.0, 2.5 Diesel 1980-90,
  LCX 2.5D & LCY 2.5D.
- Size: 36 mm
  Opel & Vauxhall

Radiator / Coolant cap wrench for BMW

NEW



9G0730

100/11.1/12.1/0.58' 111g

- Can be used to loosen stubborn caps on radiators and reservoirs.
- Especially suitable for use in narrow spaces.
- Works on BMW vehicles:
  E60, E61, E63, E64, E70, E71, E72, E81, E82, E84, E87, E88, E89, E90, E91, E92, E93, F01, F02, F03, F04, F06, F07, F10, F11, F12, F13, F15, F16, F18, F20, F21, F25, F26, F30, F31, F32, F33, F34, F35, F36, F80, F82, F83, F85, F86.





Radiator / Coolant cap wrench for FORD / LAND ROVER / MAZDA / VOLVO

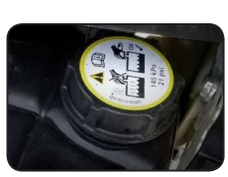
NEW



9G0731

100/6.6/7.6/0.5' 66g

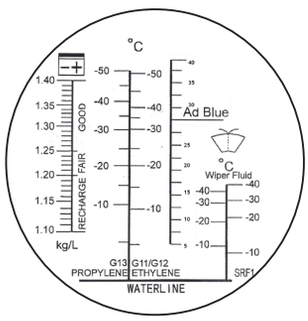
- Can be used to loosen stubborn caps on radiators and reservoirs.
- Especially suitable for use in narrow spaces.
- Application: Ford, Land Rover, Mazda, Volvo.





Battery / Anti-freeze cleaning fluid tester

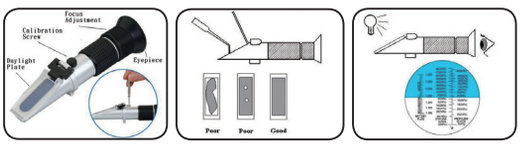




9G0303

40/16/18/1.8' 400g

- Testing range:
  Ethylene glycol: -50～0 ºC
  Propylene glycol: -50～0 ºC
  Battery fluid: 1.100～1.400 sg
  Cleaner: -40～0 ºC
  AdBlue: 30～40 %



Anti-freeze tester



9G4001

100/14/16/6.2' 91g

- Avoid winter freeze-ups and summer boil-over.
- Test all permanent (Ethylene Glycol) solutions with radiator hot or cold.
- Two scales show freeze point of radiator solution and boiling point of summer coolant.



Cooling system vacuum purge & refill kit



906G2

10/15.0/16.5/3.05' 1400g

- Designed to pump radiator and cooling system to vacuum.
- Simply refill coolant into radiator without air.
- Gauge: 0～76 cm-Hg, 0～30 in-Hg



Vacuum-type cooling system filler kit for Tesla

NEW



903G28

5/12.2/13.2/3.2' 2496g

- Vacuum-type coolant refill tool has large internal passages to allow coolant to be refilled fast.
- Provided with adapters for all Tesla models.
- Tool is designed with only two valves-easy to use, intuitive design.
- Tool with a hook can hang under the hood.
- Tool needs to work with an air compressor to create a vacuum in the cooling system.



Coolant refilling funnel set (with extension pipes)

NEW



912G17

10/8.6/9.6/3.8' 874g

- For anti-spill coolant refilling and air bleeding.
- Includes 4 extension pipes for confined space or tricky angles.
- Transparent lower chamber displays the amount of air bubbles remaining in the radiator.
- Includes adapters with nylon covers to reduce heat transfer resulting from air bleeding.
- Special design of connector to adapters provides anti-spill feature.
- Funnel capacity: 1,600 ml / 54.1 Oz.
- Suitable for passenger cars, trucks and heavy duty vehicles.



Combustion gas leak tester set



905G10

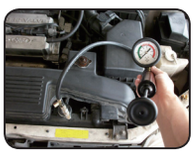
10/13.5/14.5/3.05' 1200g

- This set could test if the wall of cylinder is abrasive.
- The CO_2 test liquid is checking volume of CO_2 existing in radiator in the car.
- Have blue color of test liquid mixed with stem in the radiator if the liquid become yellow or green then it means that the wall of cylinder is abrasive.
- It offers simple, quick and correct test.
- The CO_2 test liquid is recyclable.



Universal radiator pressure tester set





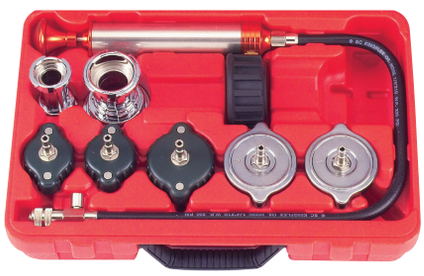


907G8

4/8.8/9.8/2.16' 2200g

- This tester kit is used for checking the radiator to see if any water leaked because of the body or the connector not fitted properly or any broken.
- It's tested through pressure increase by using an adapter for closing the master or second inlet of the radiator then pushing the manual pump by hand.
- Applicable:
  Mercedes, GM (Buick), Jeep, Peugeot, Subaru, Chrysler, Acura, GM (Nova, Spectrum, Sprint), Mitsubishi, Nissan, Mazda, Toyota, Infiniti, Geo, Suzuki, Isuzu, Ford, Honda.
- Gauge: 0-35 PSI, 25 bar

Cooling system & radiator cap pressure tester







908G2

5/17.5/18.5/2.3' 2.9kg

- Designed to test radiator cap relief pressure and seal condition.
- For use with most vehicle radiators, includes hand pump with gauge, universal cooling system adapters, radiator cap adapters.
- Applicable:
  Mercedes, GM, Jeep, Peugeot, Chrysler, Acura, Mitsubishi, Nissan, Mazda, Toyota, Infiniti, Geo, Suzuki, Isuzu, Ford, Honda.
- Gauge: 0-35 PSI, 25 bar

Universal radiator pressure tester kit



914G1

4/15.5/16.5/2.9' 3875g

- Designed to test the leaks of cooling system.
- Suit for:
  Suzuki, Isuzu, Lexus, Opel, Peugeot, Jeep, Rover, Citroen, Nissan, Mitsubishi, Mazda, Subaru, BMW, Renault, Fiat, Alfa Romeo, Toyota, Honda, Ford, GM, Chrysler, VW, Audi, Volvo, Saab, Mercedes Benz, Infiniti, Geo, Truck.
- Gauge: 0-35 PSI, 25 bar





Cooling system & Radiator cap pressure tester



922G1

3/15.9/16.9/2.4' 5.3kg

- For use with most vehicle radiators, includes hand pump with gauge, universal cooling system adapters, radiator cap adapters.
- Applicable:
  Mercedes, GM 4 Cylinder (Buick, Chevrolet, Oldsmobile, Pontiac, Cadillac), Jeep, Peugeot, Chrysler, Acura, GM (Nova, Spectrum, Sprint), Mitsubishi, Nissan, Mazda, Toyota, Infiniti, Geo, Suzuki, Isuzu, Ford, Honda, VW, Audi, Opel, Saab, Volvo, Lexus, BMW, Jaguar.
- Gauge: 0-35 PSI, 25 bar

Universal multi-purpose cooling system test kit



919G3

2/8.5/9.5/2.0' 4.25kg

- Kit provides major tests in the cooling system:
  Pressure test (leaking test), temperature sensor test, water pump, thermostat and cooling fan condition tests.
- Suitable for universal vehicles.
- Including step adapters and hose clamps of various sizes, suitable universal application.
- Including a high-quality displaying device:
  (e.g. digital LCD, glass screen and a gauge), helping mechanics detect potential problems in cooling system.
- Targeted tests can be operated individually.



Image guide scope



9G2203

5/10/11/2.3' 2kg

- Inspects hard-to-reach corners with 18, diameter 4 mm flexible cable for easy operations.
- Equipped with illumination lamp for clear viewing.
- Optional 35°, 45° and 60° mirrors are available.
- Optional mirrors:
  9G2203-35 (35°)
  9G2203-45 (45°)
  9G2203-60 (60°)

Option



Mechanic's stethoscope



9G2204 40/9.5/10.5/2.7' 200g

- Provides a fast and easy way to locate noises in engines or bearings and other moving parts.
- Ideal for pinpointing unusual vibrations or suspected leaks (valves, piston rings, gaskets etc.)



Mechanic's stethoscope



9G2201 48/9.6/11.0/4.4' 200g

- Provides a fast and easy way to locate noises in engines or bearings and other moving parts.
- Plastic earphones shut off outside noises.
- Aluminum alloy probe/needle for finding the exact location of specific noises.
- High quality surgical PVC & rubber parts for increased sound definition.
- Instrument is shockproof.
- Ideal for pinpointing unusual vibrations or suspected leaks (valves, piston rings, gaskets etc.)
- Supplied with a rubber trumpet for checking vacuum & pressure flow.
- Useful for synchronizing multi carburetors.

Automotive noise finder



902G11 40/9/10/3.1' 225g

- This is a portable automotive noise finder which can quickly detect source or location of noises emanated from bearing, gear, valve, valve body, crankshaft, cylinder, gearbox, car body and so on after starting engine.
- It helps the serviceman to pinpoint the actual noise part and severity even in severe ambient noise.



Combination electronic stethoscope kit



9G2202 6/16/17/4.0' 2670g

- To locate & indentify noise and enable road test diagnosis.
- Super sensitive microphone pick up.
- Defect & isolate noisy components.

Contents:

Flexible non- conductive shaft
Cushioned headphones
4 channel sensor selector unit
4 pick up sensors - 4.8 mm ling cords




Vacuum pump / Brake bleeding kit



906G3 5/7.8/8.8/2.5' 1830g

- Check vacuum operated components on cars and trucks.
- Allows you to bleed brake fluid without the mess.

Contents:

1. Vacuum pump (0-30 in.Hg)
2. Connection hose. (600 mm x 2 pcs)
3. 200ml fluid reservoir bottle.
4. Fluid transfer and storage lids x 2 pcs.
5. Connection accessories:
   (Rubber cupped adapter)
   (Accessory hoses: 75 mm x 2 pcs)
   (Accessory hoses: 95 mm x 2 pcs)

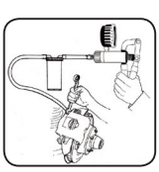



Vacuum testing / Brake bleeding kit



908G8 6/11/12/2.4' 1.8kg

- The kit includes the vacuum pump, complete fittings and accessories for vacuum testing and brake bleeding, plus a detailed owner manual. The vacuum pump is field repairable. Re-place worn O-rings, seals and valves with the vacuum pump repair kit
- Pressure range: 0~60 PSI / -30~0 PSI

Turbo system tester kit



909G7 5/18/19/2.5' 3600g

- For fast diagnosing of the air charging system.
- Enables time-saving and appropriate determination of leaky intercoolers and invisible cracks in air charging hose.
- Four pairs of stepped adapters:
  85-90, 75-80, 65-70, 55-60 mm



Turbo system pressure tester kit for commercial vehicles



907G19 4/19/20/3.7' 4750g

- For fast diagnosing of the air charging system.
- Enables time-saving and appropriate determination of leaky intercoolers and invisible cracks in air charging hose.
- Three pairs of stepped adapters:
  105-110, 115-120, 125-130 mm



Gas cylinder compression tester set



908G1 10/11.6/12.6/1.26' 1160g

- Gauge: 0-300 PSI, 0-21 kg/cm^2

Contents:

1pc Air gauge with quick coupling & release valve.
1pc High-tension connecting pipe with safety lock coupling.
1pc Crank shaft type test pipe with rubber plug.
1pc Transverse axis test pipe with rubber plug.
1pc M10 x 1.0 Adapter
1pc M12 x 1.25 Adapter
1pc M14 x 1.25 Adapter
1pc M18 x 1.5 Adapter

Petrol engine compression tester set





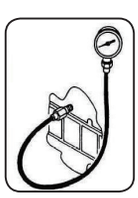
909G1

8/13.5/14.5/2.0' 1688g

- Gauge: 0-300 PSI, 0-21 kg/cm^2, 20 bar
- Comprehensive kit based on petrol compression tester for vehicles with M10, M12, M14 and M18 spark plug threads. Complete with extensions (M10, M12, M14, M18), thread chasers (M14 & M18, M10 & M12) and service kit.
- Checks condition of valves, piston rings, gaskets & cylinder heads.
- Used on cars, vans & motorcycles.
- Pressure relief valve enables repeated testing of a cylinder without removing the gauge.

Oil pressure tester set







912G1

8/14/15/2.0' 1830g

- Helps to diagnose worn oil pumps and engines, faulty oil pressure switches and warning indicators.
- Accurately tests oil pump pressure, switch & warning indicators.
- Large clear dual scaled gauge.
- Quick coupling adapters, with shut-off valve, for speed & security.
- Permanently oil primed, long, flexible hose.
- Gauge:
  Scale: 0-150 PSI, 0-10 kg/cm², 0-10 bar
  Thread: R/18 Din 2999, 1/8 x 27 Npt, 1/4 x 18 Npt, 3/8 x 20 Unf, 1/2 x 20 Unf, M10 x 1.0, M12 x 1.5, M14 x 1.5, M16 x 1.5, M18 x 1.5, 90° Elbow

Power steering tester



915G5

6/9/10/1.5' 1500g

- For accurate, reliable power steering analysis.
- Determines if trouble is in front of suspension or steering linkage.
- Saves valuable time when rebuilding or replacing parts not actually defective.
- Set contains 2,000 PSI gauge with metering valve, connection hose, 13 adapters and power steering pressure specifications.
- All packed in a plastic storage case.
- Applications:
  American Motors, Chrysler Corp, Ford Motor.

Transmission pressure gauge set



922G6 5/10/11/1.5' 2000g

- For all major manufacturer domestic and import vehicles.
- Contains two gauge assemblies for high and low pressure ranges.
- Nine adaptors to test a wide variety of domestic and import automatic transmissions.
- Four special fittings are also included for connection to hard-to-reach test ports in areas requiring a 45° or 90° angle.
- Applications:
  Acura / Honda, BMW, Chrysler Corp, AMC / Eagle, Jeep, Ford, General Motors, Saturn, Hyundai, Infiniti, Isuzu, Jaguar, Lexus, Mazda, Mercedes, Mitsubishi, Nissan, Peufeot, Saab, Subaru, Suzuki, Toyota, VW, Volvo.

Gasoline engine injecting pressure tester set



946G1 4/20.7/21.7/4.0' 5180g

- Gauge: 0～120 PSI 8 bar
- This tester is an assembly of fuel injection pressure test.
- The related adaptors are suitable for cars of American, Japanese and European systems.



11pc Deluxe noid lite / IAC test kit plus one fibre optic noid lite extension

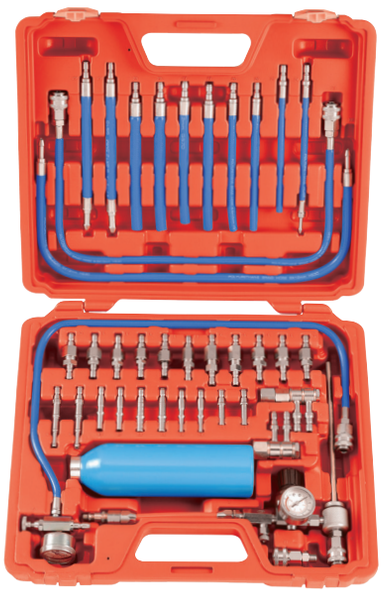




88442 24/11/12/2.0' 442g

- Set includes eight noid lights for testing GM PFI, Ford TBI, Geo TBI, Bosch PFI, GM TBI, GM SCPI, GM Multec 2, Bosch 2.
- One IAC signal test lights for GM1982 or newer GM TBI and PFI fuel injection system, and one for GM Model 1987 or newer GM Model 700 TBI and PFI fuel injection system, Plus one fibre optic Noid Lite extension.
- Kit comes in a deluxe molded plastic case.

Fuel injection cleaner & tester kit



940G1 4/19.2/20.2/2.9' 4.8kg

- Universal for all cars
- Cleaning fuel injector
- Cleaning intake valve
- Cleaning combustion chamber
- Cleaning vacuum system
- Cleaning parts and valves
- Test engine system pressure
- Test fuel pump pressure
- Test the sealing condition of return line diaphragm



Carburetor synchronize tool set





919G2 6/20/21/2.25' 3.33kg

- For testing fuel pump carburetor and transmission check auto with 2-4 pc carburetors.
- Gauge:
  Pressure: 0~15 PSI, 0~1 kg/cm²
  Vocuum: 0~28 in-Hg (0~70 cm-Hg)

Contents:

4pc 3-1/2" Synchronizer gauges with fixed plate
4pc Rubber hose 8 x 5 x 750 mm
4pc Extension tube 3.9 x 52 mm
4pc Extension tube 3.9 x 122 mm
8pc Cone type connector 8 x 40 mm
4pc Adapters 10 x 53 mm (M6 x 0.75)
4pc Adapters 10 x 60 mm (M6 x 1.0)

Professional vacuum & fuel tester set



904G4 20/13/14/1.85' 650g

- Large 3-1/2" diameter gauge with color-coded easy-reading scales.
- Extra long heavy-duty rubber hose and 14 mm / 18 mm.
- Checks for worn or defective parts in fuel pumps, vacuum system.
- Gauge:
  Pressure: 0~15 PSI, 0~1 kg/cm^2
  Vocuum: 0~28 in-Hg (0~70 cm-Hg)

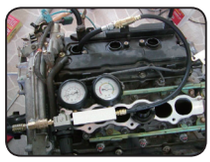
Cylinder leakage tester



902G3

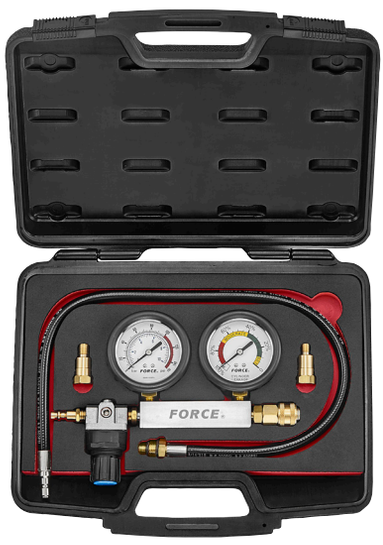
8/11.3/12.3/2.0' 1400g

- PSI & BAR percentage gauge
- 26" extra long hose
- Allow you to accurately diagnose engine problems such as bad valves, worn rings.
- Cracked cylinder walls and blown gaskets.
- Works from shop airline and has 14 & 18 mm adaptor fittings to fit most engines.
- Blow-by readings shown in percentages.
- Dual gauges allow mechanic to monitor input line pressure.
- Supplied in plastic blow mold case.
- Gauge: 0-100 PSI 7 bar



Cylinder leakage tester

NEW



904G23

8/12/13.2/2.0' 1510g

- PSI & BAR percentage gauge
- 26" extra long hose
- Allow you to accurately diagnose engine problems such as bad valves, worn rings.
- Cracked cylinder walls and blown gaskets.
- Works from shop airline and has 10, 12, 14 & 18 mm adaptor fittings to fit most engines.
- Blow-by readings shown in percentage.
- Dual gauges allow mechanic to monitor input line pressure.
- Supplied in plastic blow mold case.
- Gauge: 0-100 PSI 7 bar

12V Smoke leak detector set

NEW





923G1

2/10/10.5/1.65' 4864g

- A Great Tool to trace any leaks in automotive pipe systems such as air intake, fuel system, exhaust system, vacuum system.
- Please use Baby Oil ONLY!!
- Clean the smoke tube with dust gun after each use. The residue hardening baby oil cause clogs in tube.
- Power DC-12V

Contents :

1pc Smoke machine
6pc Rubber pipe plug
2pc Inflate ball stopper
1pc Smoke tube
1pc Power cord
1pc Baby oil.

Transmission & engine oil pressure tester



912G2

8/11.3/12.3/2.0' 1.4kg

- Designed to check engine oil pressure in automatic transmissions and engines in both cars and trucks.
- With two easy to read dual scale gauges. Both of two gauges with quick set-up. Complete with 6 ft (1.8 m) of oil proof hose, nine adaptor fittings, and instructions.
- Dual gauge readings:
  A: 0 to 400 PSI (0 to 28 bar)
  B: 0 to 150 PSI (0 to 10 bar)
- Gauge diameter: 2.5"





Diesel engine compression tester set (cars)



913G1

8/18.5/19.5/2.0' 2325g

- Comprehensive test kit for both direct and indirect diesel injected cars.
- For use on both direct or indirect injection engines.
- Checks engine compression under cranking conditions.
- Small profile, quick coupling adapters for speed & security.
- Built-in pressure relief valve enables repeat tests without dismantling.
- Flexible hose (355 mm) gives access to restricted plug & injector ports.
- Dual scale 80 mm dia. gauge 0-1000 PSI & 0-70 bar.

Diesel engine compression tester set



914G3

8/16.9/17.9/2.0' 2113g

- Comprehensive kit for checking compression on both direct and indirect diesel-injected commercial, marine and industrial engines.
- For commercial, marine & industrial engines.
- Checks engine compression when cranking.
- For use on direct or indirect fuel injection engines.
- Built-in pressure release enables complete tests without dismantling.
- Small-profile, quick-release coupling system.
- Dual scale 80 mm dia. gauge 0-1000 PSI & 0-70 bar.
- Flexible hose (355 mm) to give access in restricted spaces.

Diesel compression tester



916G2

3/15.9/16.9/1.5' 5300g

- 2-1/2" dial, glycerin filled gauge with glass lens in stainless steel housing 4,500 psi rated nylon jackted pressure hose assembly.
- Dual scale 0-1,000 psi;
  Metric scale 0-70 bar.
  13 piece adapter set
  (Deere & BMW adapters included)

Diesel engine compression test set



937G1

4/20/21/2.4' 5220g

- Features 1000 psi (70 bar) gauge with large rubber bumper, straight and right angled quick-connect fittings and an extensive range of glow plug and injector adaptors.
- This kit will cover most modern car, van, truck, bus, agricultural and marine engines.
- Glow plug adaptors:
  Wide range of Alfa, BMW, Chrysler, Daewoo, Fiat, Ford, Hyundai, Isuzu, Land Rover, LDV, Mazda, Mercedes, Mitsubishi, Nissan, Opel, PSA, Renault, Saab, Suzuki, Toyota, VAG, Vauxhall, Volvo diesel engines.
- Injector adaptors:
  M20, M22, M24 & Ford Stanadyne injectors plus clamp-on injectors



Diesel engine cylinder leakage test kits



938G1

3/13/14/1.8' 4136g

- Three diesel engine cylinder leakage test kits that cover the wide range of modern engines, including HDi, TDCi and Pumpe Duse.
- This kit covers most popular cars and vans, it has additional glow plug adaptors for increased coverage and with any further, and includes adaptor set for clamp-type injectors to give even wider coverage of car, van, truck and bus, agricultural and marine applications.
- Glow plug adaptor:
  Wide range of Alfa, BMW, Chrysler, Daewoo, Fita, Ford, Hyundai, Isuzu, LandRover, LDV, Mazda, Mercedes, Mitsubishi, Nissan, Opel, PSA, Renault, Saab, Suzuki, Toyota, VAG, Vauxhall, Volvo diesel engines.
- Injector:
  M20, M22, M24 & Ford Stanadyne injector plus clamp-on injector



Diesel engine compression tester kit

NEW



938G2

3/13/14/1.8' 4330g

- Large, 2-1/2" O.D., 70 kg/cm^2 (1000 psi) gauge with rubber bumper, straight and right angled quick connect fittings and an extensive range of glow plug and injector adaptors enable this kit to cover the vast majority of car, van, truck and bus, agricultural and marine diesel engines.
- Glow plug adaptor:
  Wide range of Alfa, BMW, Chrysler, Daewoo, Fait, Ford, Hyuidai, Izusu, LandRover, LDV, Mazda, Mercedes, Mitsubishi, Nissan, Opel, PSA, Renault, Saab, Suzuki, Toyota, VAG, Vauxhall, Volvo diesel engines.
- Injector:
  M20, M22, M24 & Ford Stanadyne injector plus clamp-on injector.



Common rail injector, return flow pressure measurement tester



912G8

10/12.6/13.6/1.9' 1260g

- For testing the return flow pressure from common rail injectors of Bosch, VDO / Siemens & Delphi engine system. Suitable for testing the condition of a piezo pass or fail statement.





Return fuel volume tester for common rail Injectors



902G8

10/18/19/1.5' 1.8kg

- Designed for checking the amount of fuel that every injector returns to the tank to find out the damaged injector.
- Can simulate 6 injectors at the same time.



Diesel fuel low pressure test kit

NEW



913G9

5/20.5/21.5/4.58' 4338g

- This diagnostic set is to inspect low pressure or return fuel side of diesel engines.
- Two manometers with different scales (-1 - 5 bar and -1 - 15 bar) offer more accurate test results.
- Ten fuel line adapters cover a wide range of diesel engines and car makes.
- Translucent tube on adapters help observe impurities and bubbles in the fuel.
- 2 meter long hoses help connections in confined areas in engine compartment.

Diesel exhaust fluid (DEF)/AdBlue tester

NEW



9G4006

36/6.9/7.9/2.8' 192g

- The tool offers quick, easy, and precise measurement of UREA concentration in DEF or AdBlue solution.
- Easy-to-read concentration table on the body. (Three floating discs for accurate reading)

4pc Injection nozzle socket



904G13 10/15/16/1.2' 1488g

- Remove top cap and connector before removing diesel fuel injector.
- Deep and wide configuration.
- Fits virtually all standard injectors for recent motor vehicles.
- 1/2"DR. Socket can use for Siemens & Bosch injectors.
- Suitable for Peugeot and Citroen with 2.0 engines (110/135HP) HDI engine.
- Sizes: 25, 27, 29, 30 mm.
- Length: 100 mm



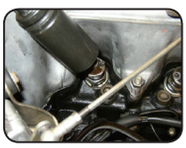
4pc Diesel injector socket set



904G3 10/11.4/12.4/0.8' 1.14kg

Size	Description	*l*
22 mm	injector socket (6pt)	110 mm
22 mm	injector socket (12pt)	75 mm
27 mm	injector socket (12pt)	78 mm
28 mm	injector socket (12pt)	78 mm

- For use on:
  Alfa Romeo, Chrysler, BMW, Ford, VW, Mercedes, Audi, Opel, Vauxhall, Seat, Volvo, Rover also on Volvo, Man 2.5TD & Scania HGVS.



Auto-flexing fuel line socket

NEW

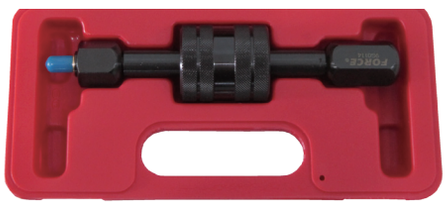


905G27 20/9.5/10.5/1.3' 475g

- With Auto-flexing fuel line sockets, you can reach for fuel line nut in narrow space.
- In addition to auto-flexing function, the socket can tight the nut without losing torque.
- Size: 11, 13, 14, 15, 17 mm.
- Max torque: 30 Nm.



Diesel injector puller



9G0114 40/16/18/1.8' 400g

- Assists removal of stubborn Bosch and Lucas diesel injectors, saving time and money when injectors are difficult to remove.
- With M8 / M12 / M14 adaptors
- Applicable: Volvo, Scania



Diesel injector nozzle extractor set



903G19 6/16/17/1.8' 2580g

- Extraction injectors without dismantling the engine.
- Extraction Bosch injectors.
- For CDI engines 2.1 l and 2.2 l.
- Application:
  Vito, Sprinter, Viano,
  C and E Class, CLC, CLK.

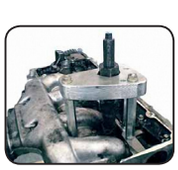


Diesel injector nozzle extractor set (PSA HDI engines)

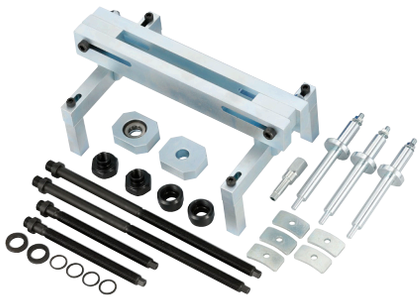


910G3 6/22/23/1.4' 3660g

- Common rail injector removal tool set for removal of seized injectors on Peugeot, Citroen, Suzuki diesel HDI engines.
- Pulling bridge that fits perfectly on PSA cylinder head.
- Special screw system that allows a fast and easy nozzles removal.
- Applicable engines:
  PSA 2.0 & 2.2 HDI (110, 135 PS),
  HDI DW10 and DW12 engines .



Diesel injectors remover tool - model FOSI



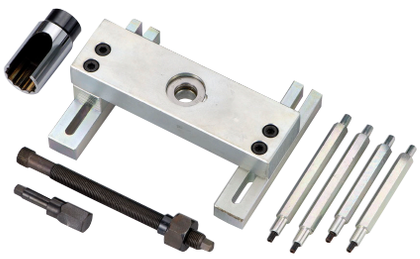
926G1

1/14.5/15.5/1.01' 11500g

- For the extraction of extremely seized injectors.
- With the precisely tailored specification for this job.
- Application designed extractor, the injectors can be extracted hydraulically or mechanically.
- Application:
  Fiat, Lancia, Alfa, Opel, Suzuki, Ford, Iveco, PSA.



Diesel injectors remover for BMW



908G11

2/13.0/13.8/0.9' 6500g

- Complete set for removing BMW CR injectors without dismounting the cylinder head.
- Equipped with a blower adapter to clean the injector seats.
- Bosch injectors: common rail injectors mounted on BMW
- Application:
  BMW Common rail: M47TU, M57, M57TU.





Diesel injectors remover for JTD



9G0119

8/19/20/1.8' 2375g

- Universal injector remover with 4 adjustable feet for JTD diesel engines.
- Remover for common rail injectors.
- Application:
  Fiat, Alfa, Opel, Saab, Suzuki.

Diesel injector remover - hydraulic kit



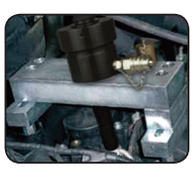
909G8

2/13.5/14.5/1.24" 6504g

- Turns all diesel injector removers into hydraulic kit.
- This set enables the controlled extraction very tight - fitting or stuck injector nozzles.
- It is used in conjunction with a injector nozzles puller with extraction bridge, and a hydraulic pump.
- Hydraulic cylinder 17t with shoulder nut M16 x 1.5

Contents:

1pc Pull spindle M14 x 1.5 (240 mm)
1pc Pull spindle M14 x 1.5 (315 mm)
1pc Pull spindle M17 x 1.0 (240 mm)
1pc Pull spindle M17 x 1.0 (315 mm)
1pc Pull spindle M18 x 1.5 (315 mm)
1pc Pull spindle M25 x 1.0 (240 mm)
1pc Distance ring
1pc Tooth cap nut M16
1pc Bush



Injector nozzle extractor with spindle



903G17

20/22/23/1.3' 1070g

- This special-designed diesel injector puller set is ideal for the need to remove stubborn diesel injector.
- No need to remove cam cover or to use a slide hammer.
- Application:
  Mercedes C-Class, E-class, Sprinter Vehicles and Chrysler Grand Cherokee 27crd (00).

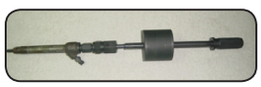


Injector extractor with slide hammer for DB CDI-engines

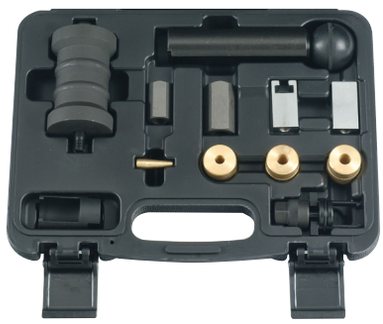


909G5 6/20/21/1.5' 3333g

- For removing stuck and the seized common-rail injectors without dismount the cylinder head.
- The sturdy construction will enable the swift removal of the most severely seized in injector.
- For Mercedes CDI engines OM 611, 612, 613 etc and DB CDI-engines.
- Specification:
  Total length: 350 mmL
  Slide hammer: 1.75 kgs
  Adaptor: M17 x 1.0
  Adaptor: M27 x 1.0 for Bosch injector nozzle.
  Adaptor: Puller w/M12 x 1.75P

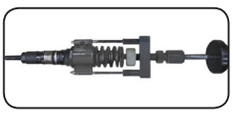



VW, AUDI Diesel & Gas injection remover tool (TDI & FSI)



912G6 6/22/23/0.9' 3666g

- Use "U" sleeve or two jaws hook to fix the injector and then pull out with slide hammer.
- Special two jaws design to fix the injector and pull out with slide hammer.
- Applicable range:
  VW, Audi TDI, Audi FSI, Audi, Seat, Skoda.




4pc Diesel injector removal set for DELPHI & BOSCH



904G9 18/18.5/19.0/1.0' 1027g

- Specifically designed for removing Delphi / Bosch diesel injectors using a Slide Hammer with 5/8" UNF thread.
- Adaptors can also be used with an air tool to loosen the injectors by vibration.
- Set of 3 adaptors plus a special tool for removing the internal part of Bosch injectors.

Diesel injector puller adapter master kit

NEW



921G3

2/12.5/13.0/0.8' 5920g

- Universal tool kit for disassembling the injector and for preparing the removal of the injector.
- Suits a huge range of vehicles including Mercedes Benz, BMW, VW, Audi, VAG, Volvo, Ford, and Mazda plus many more.

Contents:

2pc Special bit insert Hex: 7.6 mm, 6.6 mm
10pc Pull spindle: IT-M14 x 1.5 mm, IT-M16 x 1.5 mm, IT-M25 x 0.5 mm, IT-M25 x 0.75 mm, IT-M27 x 1.0 mm, OT-M16 x 1.0 mm, OT-M17 x 1.0 mm, OT-M20 x 1.0 mm, OT-M25 x 1.0 mm, OT-M27 x 1.0 mm
1pc Universal joint: M18 x 1.5 mm
4pc Special socket insert Hex: 25, 27, 29, 30 mm
4pc Injector gripper hook: 12, 13.5, 16, 26 mm

Diesel injector remover kit

NEW



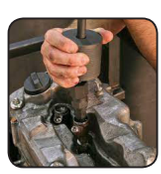
922G8

3/24.5/25.5/1.2' 8182g

- Universal tool kit for disassembling the injector and for preparing the removal of the injector.
- Suits a huge range of vehicles including Mercedes Benz, BMW, VW, Audi, VAG, Volvo, Ford and Mazda plus many more.

Contents:

2pc Special bit insert Hex: 7.6 mm, 6.6 mm
10pc Pull spindle: IT-M14 x 1.5 mm, IT-M16 x 1.5 mm, IT-M25 x 0.5 mm, IT-M25 x 0.75 mm, IT-M27 x 1.0 mm, OT-M16 x 1.0 mm, OT-M17 x 1.0mm, OT-M20 x 1.0 mm, OT-M25 x 1.0 mm, OT-M27 x 1.0mm
1pc Universal joint: M18 x 1.5 mm
4pc Special socket insert Hex: 25, 27, 29, 30 mm
4pc Injector gripper hook: 12, 13.5, 16, 26 mm
1pc Hammer with sliding head of 1.75kgs (9G1502), including adaptor M18x1.5P.



Slide hammer for diesel injector removal

NEW



9G1502 10/22/23/1.1' 2206g

- Total length: 310mmL
- Weight of hammer sliding head: 1.75kgs
- Adaptor: M18x1.5P

33 Teeth socket diesel injection pump for Mercedes



9G0121 100/14/15/1.3' 83g

- Multipoint socket for installing and removing the pressure valve holder on the MRSF-ERE fuel injection pump.
- Applications:
  Mercedes-Benz-diesel engines:
  601, 602, 603, 605, 606, 615, 616, 617
- Size: 1/2"DR. x 33 teeth



Diesel pre-chamber collar nut socket for Mercedes



9G0122 50/11.15/12.15/0.69' 223g

- Spline socket for pre-chamber repair of all diesel engines since 1989.
- Applications:
  Mercedes-Benz-diesel engines:
  601, 602, 602.91, 603, 604, 605, 606, 661, 662
- Size: 1/2"DR. x 58 teeth



Diesel fuel filter socket (HDi engines)



9G0123 100/13/14/0.6' 139g

- Specialist socket required for the removal of diesel fuel filter fitted to 2.0, 2.2 HDi engines.
- Applications:
  Citroen: C4 2.0 HDi 16v, C4 Picasso 2.0/2.2 HDi,
  C5/C8 2.0/2.2 HDi 16V, Jumpy 2.0/2.2 HDi
  Fiat: Scudo/Ulysse Mk II 2.0 JTD 16V
  Ford: Focus/Focus C-Max/Galaxy/Kuga/S-Max 2.0 TDCi
  Peugeot: 307/308/407/607/807/Expert 2.0 HDi 16V
  Volvo: C30/C70/S40 Mk II/V50 2.0 Diesel (136 HP)
- Size: 1/2"DR. x 27 mm



Diesel fuel filter socket for FORD

NEW



9G0123A 100/17.5/18.5/1' 164g

- For the removal of the diesel fuel filter element from the filter housing.
- Cut-out in the socket wall clears the fuel drain valve.
- Application:
  Ford Transit Custom 2.0TDCI 2016 onwards.
- Size: 1/2"DR. x 32 mm

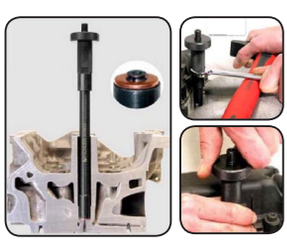


Diesel injector copper washer removal tool



9G0118 20/16/17/1.2' 800g

- Collect type - easy to hold the copper washer.
- Size: Inner hole Ø7 mm
- Length: 230 mm



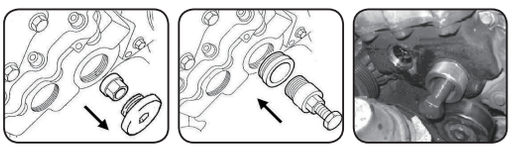
Diesel injection pump puller set for BMW



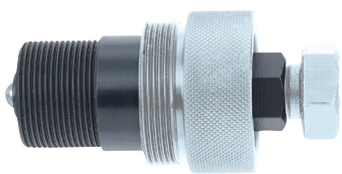
904G7

20/20/21/0.8' 980g

- **Large**:
  Pump remover & Sprocket retaining tool covers injection/HP pump removal on BMW models with M47/M47TU and M57/M57TU 2.0 & 3.0 diesel engines.
- **Small**:
  Pump remover˙Sprocket retaining tool covers injection/HP pump removal on Land Rover Freelander and Rover 75 modle is with Td4 and M47 2.0 engines.



Diesel injection pump puller for BMW



9G1501

20/11/12/0.5' 530g

- This tool is specifically designed for holding the sprocket/chain in place when disassembling the VP44 injection pump and high pressure pump.
- Application:
  BMW: M47/M47TU (99-07), M57/M57TU (98-13) diesel engines in:
  1 Series: 118d, 120d (E87)
  3 Series: 318d, 320d, 325d, 330d (E36/E46)
  5 Series: 520d, 525d, 530d, 535d (E34/E39/E60/E61)
  7 Series: 725d, 730d (E38/E65/E66)
  X Series: X3 2.0d, 3.0d (E83),
  X5 3.0d (E53/E70)

Glow plug analyzer

NEW



885G01

20/5.2/6.2/1.2' 262g

- The tester helps diagnose the condition of glow plug without removing it from the engine.
- This tester works for 12V system.
- The 6 LED indicate the condition of the glow plug (Short Circuit, Fault, OK, High Resistance, Open Circuit and Low Battery).

Glow-plug connector pliers (Straight)





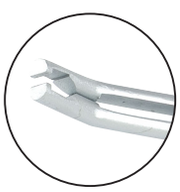
9G1001

36/10/11/2.05' 277g

- Designed to remove hard-to-reach glow plug connectors, without damage on the latest diesel engines.
- Applicable: Benz, BMW, VW, Audi… etc.

Glow-plug connector pliers (Angled)





9G1002

36/10/11/1.19' 277g

- Special angle designed to remove stubborn and hardly accessible glow plug connectors installed on the latest-generation engines.
- Applicable: Benz, BMW, VW, Audi… etc.
- Version angled at 90°



1/4"DR. Glow plug impact socket set



909G6

6/11.1/12.1/1.4' 1850g

- A torque air impact wrench set and designed for the diesel engine glow plugs which hard to removal.
- Special long-reach 8 mm, 9 mm, 10 mm, 11 mm and 12 mm sockets for ease of access.
- Also includes:
  short and long extension, universal joint and special 1/4" air impact wrench.





9pc Pre-heater plug tools



K909G4 6/9.9/10.9/0.78' 1650g

- To ream out and clean the bore between the glow plug and pre-combustion chamber.
- Size: M12 x 1.25, M10, pre-heater plugs with 10 mm across flats.
- Fasten the glow plug with the correct torque
- 1/4"DR. Universal socket size: 8, 9, 10, 12 mm

Thread Diameter	Tightening Torque
8 mm	8-15 Nm (0.8-1.5 Kgm)
9 mm	15-20 Nm (1.5-2.0 Kgm)
10 mm	15-20 Nm (1.5-2.0 Kgm)
12 mm	20-25 Nm (2.0-2.5 Kgm)

3pc Glow plug puller & reamer set



903G16 24/14/15/1.6' 570g

- To ream out and clean the bore between the glow plug and pre-combustion chamber.

Content:

1pc Glow plug puller Ø10 mm
1pc Reamer 6: M10 x 1.5p
1pc Reamer 7.3: M12 x 1.75p



Glow plug removal and puller set

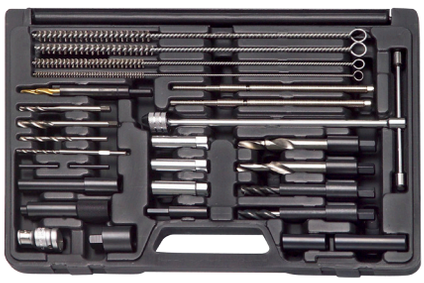


916G3 10/16/17/1.5' 1764g

- Simplifies the assembly and disassembly and professional repair of glow plug thread.
- Suitable for most injectors.
- Assembly and disassembly of glow plugs and repair glow plug threads.
- Extractor for fixed glow plugs.
- Step drill to drill out damaged glow plugs 7 x 5.5 mm and 9 x 5.5 mm.
- Taps M8 x 1.0, M10 x 1.0 and 1/4"-28UNF for repairing glow plug threads.
- Tap holder.
- E10 socket.

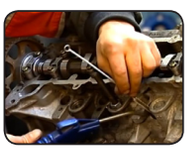


27pc Glow plug tool set



927G3 5/12.5/13.5/1.3' 2247g

- Designed for removal of damaged / broken glow plugs from cylinder heads.
- Suitable for glow plugs with M8-M9-M10 thread.
- Set includes all required adaptors, centering and cleaning tools to safely remove glow plugs without damaging engines.

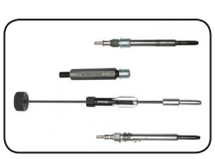


33pc Glow plug thread repair set



933G1 10/17/18/1.5' 709g

- Designed to repair the threads of glow plugs .
- Tap size: M8 x 1.0, M10 x 1.0, M10 x 1.25, M12 x 1.0, M12 x 1.25, M14 x 1.25
- Thread coil size: M8 x 1.0 (I) - M10 x 1.0 (E), M10 x 1.0 (I) - M12 x 1.0 (E), M10 x 1.25 (I) - M12 x 1.25 (E), M12 x 1.25 (I) - M14 x 1.25 (E)
- 2pcs Thread coil drivers.



Diesel injector seat cutter set



906G1 36/20/21/1.2' 570g

- This kit has been specially designed for the cleaning and re-cutting injector seats on modern common rail diesel engines.
- The kit includes 4 seat cutting reamers for Bosch, Delphi and universal application along with a special angled reamer for Iveco / Fiat applications.
- Seat cutter size:
  15 mm flat reamer with 19 mm external diameter.
  17 mm flat reamer with 17 mm external diameter.
  17 mm flat reamer with 19 mm external diameter.
  17 mm angled reamer with 21 mm external diameter.

Diesel injector seat cutter set



907G7 20/19.2/19.7/2' 950g

- This kit has been specially designed for cleaning and re-cutting injector seats on modern common rail diesel engines.
- 15 mm flat reamer with 19 mm external diameter for universal injector.
- 17 mm flat reamer with 17 mm external diameter for Delphi / Bosch injectors (BMW / PSA / Renault / Ford)
- 17 mm flat reamer with 19 mm external diameter for Bosch injectors (Mercedes CRD)
- 17 mm angled reamer with 21 mm external diameter for Fiat / Iveco.
- T handle, Pilot post



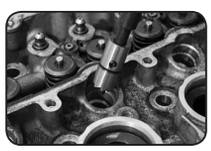
Injector sealing seat cleaning & milling set



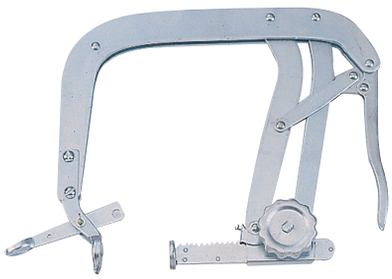
921G2 5/11/12/1.5' 2130.5g

- This is the optimized version of the cleaning and milling tool set.
- The advantages are clearly obvious.
- Can be used with HDI engines, diesel direct injection and common rail engines with Bosch and Delphi injectors.
- 3 seat cutters:
  Ø17 x 19 mm, Ø17 x 17 mm, Ø17 x 17 mm 30°
- Includes washer removal tool, injector blanking plugs (stop debris entering cylinders), wire brush cleaning set for chamber walls and centralizing stem for correct cleaning seating angle.



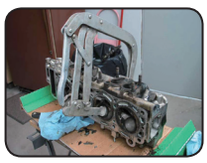


Valve spring compressor

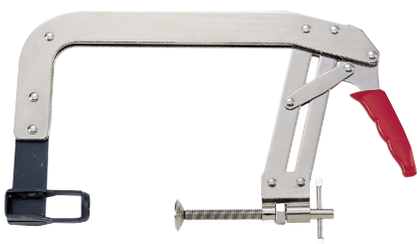


62101 8/26.4/27.4/1.7' 3.3kg

- For large engines, most suitable for commercial vehicles and general garage use.
- Jaw opening 70-200 mm
  Throat clearance 250 mm.

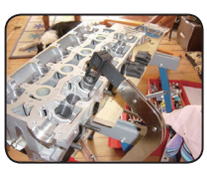


Valve spring compressor



62102 12/19.6/20.6/1.0' 1630g

- For overhead cam engines, specially designed for O.H.C. engines.
- Jaw opening 60-155 mm,
  Throat clearance 150 mm.

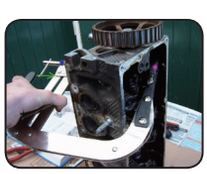


Valve spring compressor

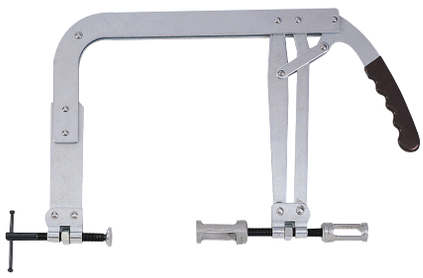


62103 10/12.2/13.2/0.5' 1220g

- For small and medium engines.
- Jaw opening 68-130 mm,
  Throat clearance 150 mm.



Valve spring compressor



62104 6/15/16/0.9' 2650g

- For multi-valve petrol and diesel engines, specially designed for difficult access and deep-seated multi-valve cylinder heads.
- Jaw opening 45-145 mm, Throat clearance 240 mm.



Valve spring compressor

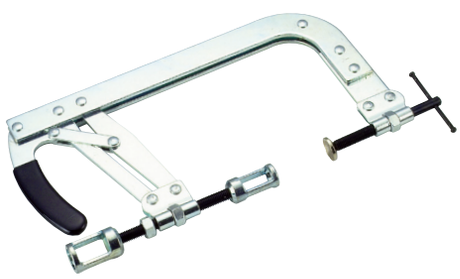


62107 10/16.5/17.5/1.2' 1.65kg

- For multi-Valve petrol and diesel engines with deep seated valves.
- Dual cam-action, parallel lift, and Automatic locking.
- Features a reversible Jaw / adaptor.
- Restricted access adapter: 25 mm, 30 mm.
- Jaw opening 55-175 mm.
- Throat clearance 165 mm.

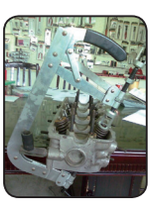


Valve spring compressor



62108 10/19.8/20.8/1.2' 2kg

- For large engines & diesel engines
- Unique 'Direct Action' compressor lever gives improved visibility & ease of use in areas of difficult access.
- Restricted access adapter: 25 mm, 30 mm
- Jaw opening 35-142 mm, Throat clearance 150 mm.

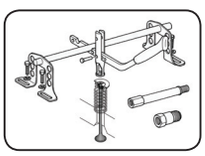


Valve spring compressor set



62105 5/17.5/18.5/2.0' 3.5kg

- Universal overhead cam applying for most popular cars engines, including Audi, Chrysler, Infiniti, Honda, Hyundai, Lexus, Mazda, Mitsubishi, Nissan, Porsche, Saturn, Toyota, Volvo and Volkswagen.

Valve spring compressor repair kit



62113 5/20.5/21.5/2.4' 4050g

- Completes service tool kit for OHV & OHC petrol or diesel engines.
- Use on Audi, Nissan, Toyota, Chrysler, Honda, Mazda, Mitsubishi, Porsche, Volvo, VW.





Universal valve-spring compressor tool set



908G7 10/18/19/1.7' 1600g

- Suitable for the replacement of valve springs and valve stem oil seals without the need to remove the cylinder head
- Application:
  Opel, BMW, Seat, VW, Audi, Hyundai, Toyota, Ford 16V, Renault 19 and Clio.

Valve spring compressor



62106 24/17.8/18.8/2.1' 740g

- Compresses overhead valve springs with rocker arm studs.
- This tool can be used with the head either on or off the engine.
- Jaws adjust to fit most overhead valve engines.
- Adjustable handle allows for clearance in tight areas.



Overhead valve spring compressor



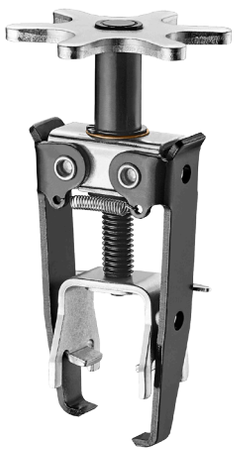
62109 20/17.5/18.5/2.1' 875g

- For use on a wide range of OHV, OHC and CVH engines but not suitable for use on engines with deep seated valves.
- Allows valve springs and valve stem oil seals to be replaced with the cylinder head.
- Features a reversible JAW/ADAPTOR and an automatic cam-action locking to a pre-determined setting.



Overhead valve spring compressor

NEW



62116 20/8.5/9.5/0.75' 388g

- Overhead valve spring compressor is convenient for removing valve springs or replacing valve stem seals on many cars, trucks and light trucks.
- Valve spring compressor is very suitable for installed cylinder heads, especially vehicles with narrow underhood gaps, and can also be used for bench work.
- The spring jaws of the overhead valve spring compressor can easily clamp and compress the valve spring, making it easier for you to operate.
- The leg is designed with a built-in offset to compensate for the spring, keeping the tool vertical and stable during use.
- Two spring adapters fit valve spring retainers up to 40mm in diameter, 7mm ~ 60mm jaw opening, 18.5mm throat clearance.



Valve spring compressor



62110

10/17/18/2.2' 1602g

- These tools are designed to compress and release valve spring after removing the collets. Pantograph-type levers ensure a consistent coaxial contact with the valve.

Contents:

3pc Driving adaptor: 16, 19, 23, 25, 30 mm
3pc Pressure screw: 70, 110, 120 mmL
1pc C Clamp



Valve spring compressor



62112

24/29/30/1.5' 1200g

- Remove and install valve springs with the heads on or off the engine.
- Fits 3/8" and 7/16" rocker studs.
- Handles springs of 1"-2" diameter.
- Press down to compress coil spring, then remove valve keepers and release slowly.





Valve pressure spring installer / remover for BMW N20, N55



9G0405

6/12.9/13.9/1.6' 1924g

- Special design to remove and install the pressure spring on intermediate lever.
- Applicable: BMW N13, N20, N26, N55 petorl engine.



Valve pressure spring installer / remover for BMW N51, N52



9G0406 10/9.0/10.6/1.7' 865g

- Special design for removing and installing pressure spring on intermediate lever.
- Applicable:
  BMW engine model: N51, N52, N52K petorl engine.



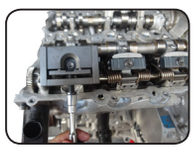
Valve spring combination tool for BMW B38, B48

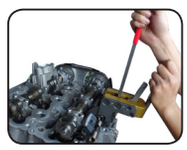
NEW



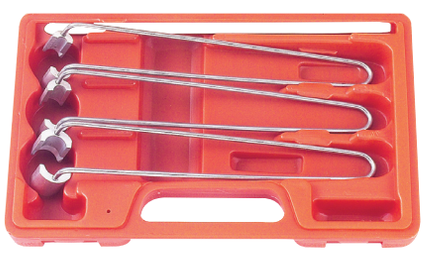
903G26 3/19.3/20.3/1.58' 5536g

- For removing and installing valve spring of the intermediate lever and for positioning the sliding block.
- Application: BMW B38, B48





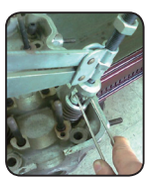
3pc Valve keeper installing & pick-up tool set



903G1 48/15.4/16.4/0.6' 320g

- This tool holds the valve keepers in its magnetic jaws so you can easily maneuver the keepers into the valve stem grooves for installation.
- Easily reaches into recessed spring pocket to retrieve released valvekeepers.
- Retrieves small parts from any recessed or hidden area.

Contents:
3pc Valve keeper installing tool
1pc Flexible magnetic pick-up tool





Valve seal removal & installer kit



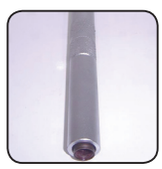
911G2

10/17.4/18.4/2.1' 1740g

- Work on valves still seated or removed.
- Precision-machined seal driving adapters guide the seal for proper setting.

Contents:

1pc Valve stem seal pliers
1pc Drive handle 6" (150 mm)
2pc Deep seal driving sockets for seals O.D. 10.8 - 14.8 mm.
7pc Seal driving adapters fit seals
5 mm, 5.5 mm, 6 mm, 6.6 mm, 7 mm, 8 mm, 3/8"

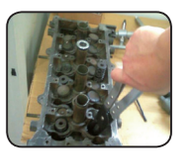
Valve stem seal ring pliers



9G0102

72/27.4/28.4/2.6' 380g

- Long neck designed to reach into confined area of the seal to grip it for removal.
- Gripping serration allows them to grasp both original equipment & aftermarket seals regardless of the configuration.
- Length: 257 mm

Extra long valve stem seal ring pliers



9G0103

72/27.6/28.6/2.6' 380g

- For removing valve stem seals in multi-valve engines.
- Jaw longitudinal-toothed avoiding slipping down.
- For deeply levelled valve stem seals.
- Length: 275 mm

Valve refacing and seating tools



915G3

10/18/19/1.5' 1994g

- Precision-machined Tungsten carbide blades produce valve seats with:Accurate seat angle / Superior seat surface / True, Flat seal / Seats concentric with valve guide
- Application:
  Cutter Ø52 - Ø65 75° and 60°
  Cutter Ø46 - Ø60 45° and 30°
  Cutter Ø44 - Ø52 75° and 30°
  Cutter Ø37 - Ø46 60° and 45°
  Cutter Ø37 - Ø44 75° and 30°
  Cutter Ø28 - Ø37 75° and 45°
- 5pc Expandable pilot Ø5.5 - Ø12.5 "T" handle drive



Vacuum cup valve grinder



902G7

108/12.3/13.3/2.9' 100g

- For grinding flat head, un-slotted valves.
- 1-1/8" and 1-3/8" diameter cups for larger valves.
- 5/8" and 13/16" diameter cups for smaller valves.



Air valve lapper

NEW



62114A

8/14/15/0.73' 1760g

- Apply five or six droplets oil or motor oil to the air valve lapper through its air inlet port.
  (It is recommended to apply oil from time to time to the valve lapper even during the operation, if the lapper is used continuously for an extended period of time.)
- It's advisable to set air pressure at 6 to 8 kg/cm^2.
  (85 psi to 100 psi)

Contents:

1pc Air valve body
1pc 16 mm Suction rubber cap
1pc 20 mm Suction rubber cap
1pc 30 mm Suction rubber cap
1pc 35 mm Suction rubber cap



9pc Offset feeler gauge



61803 100/10.4/11.4/1.1' 104g

- Length: 100 mmL
- Size: 0.009"; 0.015"; 0.016"; 0.017"; 0.018"; 0.019"; 0.020"; 0.021"; 0.026"
- Decimal sizes and metric equivalents on each blades.
- Blades LxW: 4" x 1/2" (100 x 13 mm)

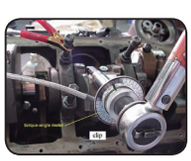


Torque angle meter (clip)



9G1801 24/12.4/13.4/2.1' 466g
9G1801A 24/15.8/16.8/2.1' 668g

- **9G1801** is used with 1/2"DR.
- **9G1801A** is used with 3/4"DR.
- Commonly used for tightening head bolts and other bolts where a torque angle is required.



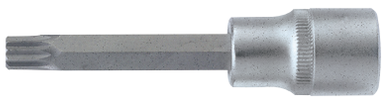
Torque angle meter (magnetic)



9G1802 24/12.4/13.4/2.1' 460g
9G1802A 24/15.8/16.8/2.1' 652g

- **9G1802** is used with 1/2"DR.
- **9G1802A** is used with 3/4"DR.
- Commonly used for tightening head bolts and other bolts where a torque angle is required.

1/2"DR. 100mm Cylinder head bolt tool (M9, M9.5, M10, M12, M14)



348100				Applications
Part no.	size	mm	g	
34810009	M9	100	95	Audi A4, TT, A8 / VW Golf, Jetta / Mercedes Benz M102, 103, 104, 110, 116, 117, 119, 120, 615, 616, 617 / Toyota MR2
348100095	M9.5	100	102	Fiat
34810010	M10	100	108	Audi / Ford / Mercedes vans / Vauxhall / VW / Opel
34810012	M12	100	151	Ford / GM / Mercedes Benz / New Beetle / Toyota Tercel / VW Audi Group
34810014	M14	100	187	Chrysler / Ford / Rover / VW

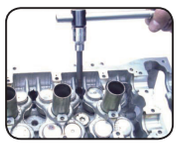
- Size: M9, M9.5, M10, M12, M14
- 1/2"DR. 100 mm.
- For cylinder head bolts.

1/2"DR. M10S Cylinder head bolt tool



34914010V				
Part no.	size	mm	g	pc/box
34914010V	M10	140	134	10

- Special for Audi engines, and VW-passat cylinder head screws.



1/2"DR. Star deep socket







546150...B				
Part no.	socket	mm	g	pc/box
54615010B	E10	150	152	10
54615012B	E12	150	166	10
54615014B	E14	150	186	10
54615016B	E16	150	233	10
54615018B	E18	150	263	10
54615020B	E20	150	336	10

- E12 For BMW Cylinder head bolts.
  Applications: BMW M42, M43, M44, M50, M52, M60, M62.

Cylinder base surface rectifier

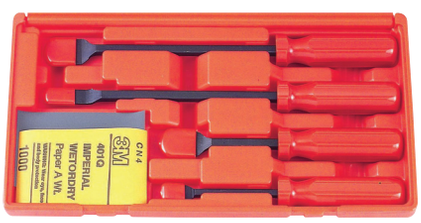


9G0610 5/12.2/13.2/0.42' 2450g

- Straight edge works for precision check the cylinder damage or not.
- Length: 600 mm
- Width: 16 mm
- Height: 36 mm



4pc Multi-purpose scraper set



904U1 10/11.8/12.8/1.6' 1180g

- This set includes a select of multi-purpose scrapers ideal for a variety of general automotive applications.
- Contains 2pc 3M imperial wetordry paper A Wt.
- Short blades ideal for scraping hard-to-reach carbon deposits.
- Long blade used to scrape engine blocks and heads.
- Rigid carbon scrapers.



5pc Multi-purpose scraper set



905M3 6/7.9/8.9/0.9' 1316g

Contents:

1pc Blade 25.4 mm (1") wide, length 305 mm (12")
1pc Blade 19 mm (3/4") wide, length 305 mm (12")
1pc Blade 25.4 mm (1") wide, length 195 mm (7-1/2")
1pc Blade 58.8mm (5/8") angled, length 195 mm (7-1/2")
1pc Blade 65.1mm (9/16") angled, length 195 mm (7-1/2")

4pc Multi-purpose scraper set



904M4 6/7.5/8.5/0.9' 1250g

Contents:

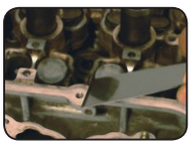
1pc Blade 25.4 mm (1") wide, length 305 mm (12").
1pc Blade 12.7 mm (1/2") wide, length 305 mm (12").
1pc Blade 6.35 mm (1/4") wide, length 305 mm (12").
1pc Blade 25.4 mm (1") wide, length 195 mm (7-1/2").

3pc Scraper knife set



903M1 72/14.2/15.2/2.1' 200g

- Size 15, 20, 30 mm
- Stainless steel, heat treatment of knife
- High grade wooden grip
- Sharp tip



Engine cylinder hone



9G0901 24/17/18/2.5' 680g

- Flexible shaft with an adjustable honing tension capacity: 2"~7"
- Stone size: 100 x 10 x 8 mm (3pc)
- Stone item number: **9G0901S** (#220grit)
- Sleeve makes insertion in cylinder easy and protects stones when not in use.
- Collar prevents stone breakage.
- Fine surface stones: **9G0901SF** (#320 grit)
- Coarse surface stones: **9G0901SC** (#120 grit)



Brake / Engine cylinder hone



9G0902 72/8.5/9.5/1.6' 120g

- Flexible shaft with an adjustable honing tension capacity: 1"~2-1/2"
- Stone size: 28.5 x 5 x 3mm (3pc) (Stone item number: **9G0902S**) (#220 grit)
- Sleeve makes insertion in cylinder easy and protects stones when not in use.
- Collar prevents stone breakage.
- Fine surface stones: **9G0902SF**. (#320 grit)
- Coarse surface stones: **9G0902SC**. (#120 grit)



Piston ring service tool set



911G3

6/15.8/16.8/2.9' 2630g

- Piston ring compressor w/ratchet key
  H: 3" (53-125 mm), H: 3-1/2" (90-175 mm),
  H: 4" (90-175 mm)
- Piston ring tool capacity: 50-100 mm
- Piston ring groove cleaning
  Fits: 2" - 5" (51 to 127 mm)
  Blade 1 size: 1/16" to 3/16"
  Blade 2 size: 2.0 mm to 4.5 mm, 1/4"
  Blade 3 size: 1.2 mm to 5.5 mm
- Offset screwdrivers:







Piston ring compressor



62001

8/10.9/11.9/1.0' 1487g

- Install pistons from 2-7/8" to 4-3/8" (73-111 mm)
- Ratcheting lock allows the bands to compress in small increments.
- Can be used parallel or perpendicular to the cylinder block.
- Set includes pliers and 6 bands.

Contents :

1pc Ratchet pliers
1pc Band size 2-7/8" to 3-1/8"
1pc Band size 3-1/8" to 3-3/8"
1pc Band size 3-3/8" to 3-5/8"
1pc Band size 3-5/8" to 3-7/8"
1pc Band size 3-7/8" to 4-1/8"
1pc Band size 4-1/8" to 4-3/8"





Piston ring compressor



62006

8/11.4/12.4/1.0' 1425g

- Install pistons from 2-7/8" to 4-3/8" (73-111 mm) and
  4-7/8" to 5-1/8" (124-130 mm)
- Ratcheting lock allows the bands to compress in small increments.
- Can be used parallel vertically perpendicular horizontally.
- Set includes pliers and 7 bands.

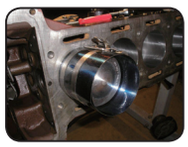
Contents :

1pc Ratchet pliers
1pc Band size 2-7/8" to 3-1/8"
1pc Band size 3-1/8" to 3-3/8"
1pc Band size 3-3/8" to 3-5/8"
1pc Band size 3-5/8" to 3-7/8"
1pc Band size 3-7/8" to 4-1/8"
1pc Band size 4-1/8" to 4-3/8"
1pc Band size 4-7/8" to 5-1/8"

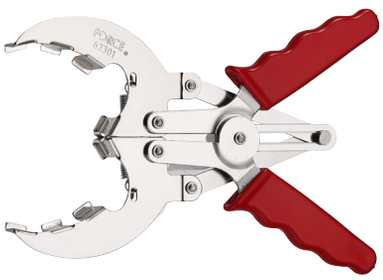
Piston ring compressor



620	D	l		
Part no.	mm	inch	packing	g
6202080	40-80	2	50/7.8/8.8/1.0'	156
6203125	53-125	3	50/15.5/16.5/2.75'	310
6203175	90-175	3	50/17.9/18.9/2.75'	365
6204125	90-125	4	50/16.7/17.7/2.75'	335
6204175	90-175	4	50/18.9/19.9/2.75'	380
6206175	90-175	6	20/12.0/13.0/1.60'	600



Piston ring pliers

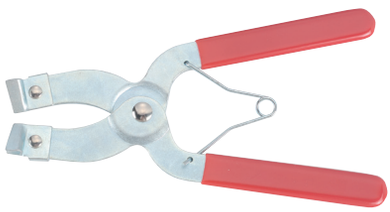


623	w	l		
Part no.	mm	inch	packing	g
62301	55-100	3	50/15.0/16.0/2.2'	330
62302	110-160	3	50/18.5/19.5/3.0'	420
62303	80-120	2.5	50/8.5/9.5/2.2'	170

• **62302** is applied to truck.



Piston ring installer



62002 144/18/19/2.0' 135g

• Save by reducing ring breakage.
• Tapered jaws to remove and install most passenger car and light truck rings from 3/64" to 1/4" (1.2 mm - 6.3 mm)



Piston ring groove cleaner

NEW



62004 20/8/9/2.1' 400g

- For the removal of carbon deposits from piston ring grooves.
- Suitable for piston sizes from 51 mm to 127 mm.
- Comes with 3pcs-bladed cutters for different groove widths.
- Blade 1 size: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16"
- Blade 2 size: 2, 2.5, 3, 4, 4.5 mm & 1/4"
- Blade 3 size: 1.2, 1.5, 1.8, 2.8, 5, 5.5 mm



Chain oil filter wrench (1/2"DR.)



61901 72/18.9/19.9/2.6' 262g

- 1/2" sq. driver or 13/16" (21 mm) open end spanner.
- Suitable for filters up to 120 mm diameter.



Chain locking pliers



61901A 20/15.7/16.7/1' 825g

- Cr-Mo jaw and handle
- Welded with a 18" chain

Chain filter wrench



61911 30/12.4/13.4/0.73' 410g

- Suitable for filters of 40 mm - 120 mm diameter.

Chain oil filter wrench

NEW



61918 36/17.5/18.5/1.3' 470g

- For loading and unloading automotive filters.
- Suitable for filters up to 30 mm - 160 mm diameter.
- Chain length 580 mm can be adjusted freely according to different filters.
- Handle length: 225 mm

20" Chain wrench



61914 20/20/21/0.78' 1kg

- 20" chain.

Oil filter strap wrench



619	l		
Part no.	mm	packing	g
619	150	60/18.7/19.7/3.0'	310

- It can match with various tools for use 1/2" driver, pliers and screwdriver.

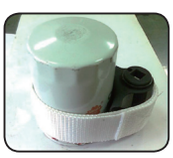


Truck strap oil filter wrench



61902 48/17.9/18.9/1.4' 372g

- The heavy-duty strap can handle any filter up to 6" (150 mm) diameter.
- The support pad helps the grip of the filter without crushing it.
- The more leverage applied, the tighter it grips.
- Use with any 1/2" power bar.
- Capacity: 6" (150 mm).



Strap oil filter wrench (1/2"DR. & 3/8"DR.)



61903 40/16.3/17.3/2.8' 408g

- This robust quality strap wrench is capable of removing filters up to 300 mm diameter on cars, vans and trucks.
- The design of this wrench makes it ideal for areas where clearance is restricted.
- The dual drive allows you more flexibility. Besides, the wrench can be used in conjunction with a 13/16" (21 mm) open spanner.

Three-legged oil filter wrench



61904 36/21.3/22.3/1.2' 590g

- Removes all oil filters from 2-1/2" to 4-5/16" (65 mm to 110 mm) in diameter.
- Used with 3/8" square drive tools.




Three-legged two way oil filter spiral wrench



61904A 36/15/16/1.2' 415g

- Fits 1/2" & 3/8" square drive ratchet handle
- Operated by 21 mm Hex adaptor: 1/2" Sq. x 3/8" Sq.
- All chrome plated. 3-leg two way operated range: 63-102 mm.



Filter wrench



9B0701 48/18.1/19.1/1.7' 345g
9B0702 48/18.7/19.7/1.7' 363.5g

- Steel jaw grips filter without slipping.
- Use with 3/8"drive.
- The large range enables **9B0701** to fit most standard size filters from 2-1/2" to 3-1/8" (60 m/m - 80 m/m)
- The large range enables **9B0702** to fit most standard size filters from 3-1/8" to 3-7/8" (80 m/m - 98 m/m)



Filter wrench



9B0703 / 9B0703A / 9B0703B

	Range		
Part no.	mm	packing	g
9B0703	60-80	30/14.3/15.3/0.55'	475
9B0703A	80-120	15/13.7/14.7/0.48'	913
9B0703B	110-140	15/13.7/14.7/0.58'	913

- The tool with serrated design for better grip on oil filter during removal/installation.
- Use with 1/2"DR. or 21 mm wrench.



Self-griping oil filter wrench



9B0704

10/13.8/14.8/0.81' 1363g

- 1/2"DR.
- Suitable for filter 95-165 mm.



Three-legged oil filter wrench



61913

24/24/25/1.1' 950g

- 3-leg, 1-way, fit 1/2" square drive
- Capacity 75-130 mm (3" to 5-1/8")

Strap oil filter wrench



61908 48/16.2/17.2/2.2' 338g

- With non-slip rubber-fabric strap
- Especially suitable for plastic pipes
- Strap length: 420 mm
- Capacity: 130 mm diameter

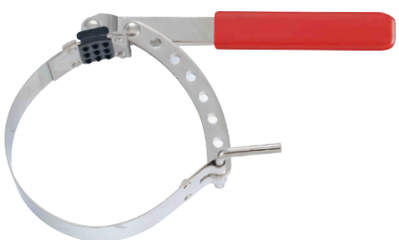
Strap wrench



61912 50/16/17/1.6' 320g

- 12" Aluminum handle
- 34" Strap

Adjustable oil filter wrench



61909 50/17.5/18.5/4.83' 350g

- Capacity: 80-110 mm diameter

Heavy-duty oil filter wrench



61905	*l*		
Part no.	mm	packing	g
61905120	4-1/8" to 4-3/4" (105 mm - 120 mm)	36/24.8/25.8/3.0'	690
61905135	4-1/2" to 5-1/4" (115 mm - 135 mm)	36/25.2/26.2/3.0'	700
61905145	5" to 5-3/4" (125 mm - 145 mm)	36/25.6/26.6/3.0'	710

- Wide steel bank designed to meet the high torque requirement of truck, bus, RV and heavy duty equipment filters.
- Used with 1/2" square drive tools.

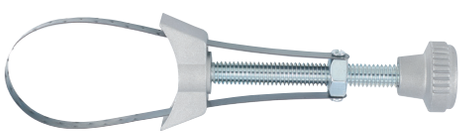
Swivel handle oil filter wrench



61906	l		
Part no.	mm	packing	g
61906073	2-3/8" to 2-7/8" (60 mm - 73 mm)	36/12.0/13.0/2.6'	335
61906085	2-7/8" to 3-3/8" (73 mm - 85 mm)	36/13.4/14.4/2.6'	372
61906095	3-3/8" to 3-3/4" (85 mm - 95 mm)	36/14.0/15.0/2.6'	389
61906111	3-3/4" to 4-3/8" (95 mm - 111 mm)	36/14.7/15.7/2.6'	408



Oil filter wrench



61910	Capacity	
Part no.	mm	g
61910	65-110	210
61910L	110-155	230

- Spare diecast (band) available, 61910-D / 61910L-D
- Spring steel strip
- Aluminium diecast



Oil filter pliers



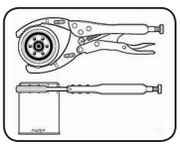
639	Size	l		
Part no.	mm	inch	packing	g
639250	60-90	10	60/21.2/22.0/2.1'	354
639300	85-115	12	60/22.7/23.7/2.5'	379
639365	100-140	14	20/11.0/12.0/1.1'	550



Oil filter master pliers



639230	Size	l		
Part no.	mm	mm	packing	g
639230	53-118	230	40/19.5/20.5/1.7'	480



Oil filter wrench - 27mm



61927 30/19/20/1.5' 680g

- This oil filter housing removal is for the removal and installation of the specific difficult-to-access oil filter covers.
- Application:
  Ford Duratorq 2.0, 2.2 TDCI and PSA 2.0, 2.2 HDI diesel engines in:
  Ford: Mondeo, C-Max, Galaxy, S-Max, Kuga
  Citroën: C4 Picasso, C5, C8, DS4, DS5
  Peugeot: 308, 3008, 407, 407 Coupé, 508, 5008, RCZ
- Engine codes: DW10C, DW12C

Oil filter wrench







631

Part no.	mm	Pt.	Application
6316514	64	14	Toyota, Nissan
6316714	67	14	Ford, Mazda
6317314	73	14	Toyota, Nissan
6317315	73	15	GM, Ford, Mitsubishi
6317330	73	30	GM, Ford
6317408	74	8	Fiat
6317414	74	14	BMW, Audi, Volkswagen, Opel, Austin
6317415	74	15	GM, Chrysler, Rover
6317515	75	15	GM, Chrysler
6317612	76	12	Ford, Mazda
6317815	78	15	Nissan, Toyota, Honda Accord
6317915	79	15	Daihatsu, Ford
6318418	84	18	Peugeot, Citroen, Renault
6318614	86	14	Mazda, Mitsubishi
6318915	89	15	Honda, Mitsubishi
6319112	91	12	Citroen, Peugeot, Renault
6319115	91	15	Toyota, Nissan
6319115B	91	15	GM, Ford, Chrysler, Lancia, Fiat
6319215	92	15	Honda, Toyota
6319515	95	15	GM, Ford, Chrysler, Alfa
63110115	101	15	Daihatsu, Mazda, Mitsubishi, Toyota

- Can operate with 1/2" drive.

Cup type oil filter wrench set

61915



6/18.5/19.5/2.0'

3200g

61916



5/18.2/19.2/2.4'

3776g

61917



3/21/22/3.2'

7060g



61915	61916	61917	SPCS	Applicate
	●	●	66mm/6P	Fiat (Punto, 1.2) Renault (Clio 1.2 Express, Kangoo, Twingo) etc…
●		●	65mm/14P	Fits Champ, Hastings. GM/AC, Wix, Napa, Purolator, Diahatsu, Toyota, Nissan, etc…
●		●	65~67mm/14P	Fits same filters as made in Canada including PH4386, PH4967, PH6017, PH6018. Daihatsu. etc…
●		●	68mm/14P	Fits Hastings, Mazda, Ford Escort, Capri, Subaru, Fran PH6607 (those fram filters made in Korea, motorcraft FL816 etc…
●		●	73mm/14P	Fits Toyota / Lexus, etc…
		●	74mm/15P	Fits MF, Audi, #056-115-561g, GM, Rover, Chrysler. etc…
●	●	●	74~76mm/15P	Fits Fram, AC, Saturm, etc…
●		●	75~77mm/15P	Fits VW, Audi, Casite, GM / AC, Hastings,Wix, NAPA Ford. Isuzu Mercedes, Opel, etc…
	●	●	76mm/12P	Fiat (z.B. Ducato, Scudo, Ulysee), Renault,(Megane, Laguna, Espace III) etc…
●	●	●	76mm/14P	Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche, Mercedes Benz, BMW, Audi, (I.B.A3TD) Opel. etc...
●		●	76mm/30P	Fits Motorcraft only-FL400A, Ford. etc…
	●	●	76mm/8P	Fiat (z.B.Marea), Lancia (z.B.Delta) etc…
		●	78mm/15P	Fits Nissan # 15208H8991, Ford, Toyota, Accord, etc…
●		●	80mm/15P	Fits Hastings, Fram, Purolator, Nissan, Honda, Motorcraft, Mazda, Isuzu, Subaru, Opel, Toyota, etc...
●		●	80~82mm/15P	Fits Wix filters. Branded for: Mazda, Subaru, Toyota, Honda, Acura, Nissan, NAPA, etc…
	●	●	86mm/16P	Volvo (C40, S60, S70, S80) etc…
	●	●	86mm/18P	VW, Golf (MKIII, Tdi, Passat Tdi), Audi A6 Tdi, Renault (Clio, Rapid 1.9D Laguna, Safrane, Espace 2.1D), Cifroen, Peugeot, Renault, etc...
●		●	90mm/15P	Fits Honda Accord, Mitsubishi, Mopar, Isuzu etc…
	●	●	92mm/10P	Fiat, Cinquedento, Coupe, Croma, Fiat, Panda, Regata, Ritmo Fiat, Seicento, Tempra, Tipo, Lancia (Beta, Dedra, Kappa, Monte, Carlo, Prisma, Thema, Trevi) etc…
●	●	●	93mm/15P	Fits Casite, Champ, Champion, GM, Fram, Hastings, Opel, Mazda, Volvo, Mitsubishi, Purolator, Wix, Nissan, VW, Porsche, Renault Ford, Honda, Audi, etc…
●		●	93mm/36P	Fits Motorcraft only-FL1A, FLA1B, FL300, FL820, Ford, etc…
	●	●	93mm/45P	VW-Audi. (Tdi 2.4,2.6,2.8L) etc…
		●	95mm/15P	Toyota # 15600-41010, Alfa, GM, Ford, ALFA, Chrysler, etc…
	●	●	96mm/18P	Audi (A4, A6. Tdi), VW(Passat 97 Tdi) Renault(Laguna 2.2d, Safrane 2.2D.) Espace 2.2D, R19, Rapid, Megane 1.9 / 2.1D.TDi) etc…
●		●	100mm/15P	Fits fram, Motorcraft, wix, Isuzu and Mitsubishi, etc…
	●	●	106mm/15P	Fiat (Ducato 2.5D. Td) etc…
	●	●	108mm/15P	Volvo (C70, S70, V70. Tdi. TD) (Turbo. Diesel. 850 Tdi. Diesel) etc…
	●	●	108mm/18P	Renault (Espace, Laguna, Master, Safrane, Traffic 2.4, 2.5, 2.8D,TD) etc…
	●	●	Two way oil filter wrench	
●	●	●	Adaptor	

Oil filter wrench for TOYOTA / LEXUS





631B02 100/16.3/17.3/1.9' 163g

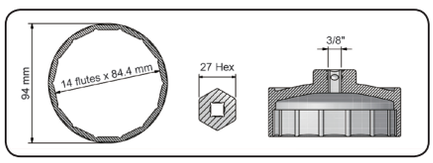
- Special design for plastic oil filter cap of Toyota and Lexus
- Size: 3/8"DR., 64.5 mm, 14PT
- Application:

Toyota and Lexus petrol engines in:
Toyota: Allion, Auris, Corolla axio, Corolla fielder, Corolla rumion, Isis ist, Matrix, Noah, Premio, Prius, Rav4, Voxy, Wish, Yaris.
Lexus: ES350, GS300, GS350, GS450H, IS250, LS460, LS600H, RX350.

Oil filter wrench for MERCEDES-BENZ

NEW





6318514 40/8.5/9.5/2.9' 262g

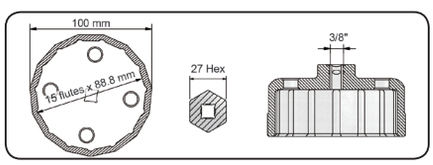
- Special design for plastic oil filter cap of Mercedes-Benz.
- Size: 3/8"DR. x 84.4 mm x 14PT
- Applicable:

E-Class: W211 (07-09), W212 (11-13)
M-Class: W164 (07-09), W166 (10-14)
R-Class: W251 (07-09), W251 (10-12)
S-Class: W221 (12-13)
GL-Class: X164 (07-09), X166 (10-16)
Dodge: Sprinter 2500, 3500 (07-09)
Jeep: Cherokee (07-09)

Oil filter wrench for HYUNDAI / KIA

NEW





6318915A 40/13.5/14.5/2.9' 334g

- Special design for plastic oil filter cap of Hyundai / Kia.
- Size: 3/8"DR. x 88.8 mm x 15PT
- Applicable:

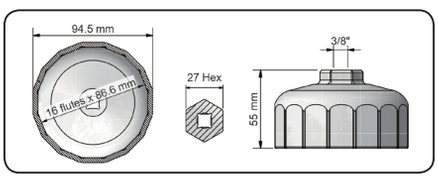
Hyundai: 2005-2010 Azera
2006-2010 Entourage
2000-2008 Equus
2008-2014 Genesis
2005-2010 Grandeur
2006-2010 Santa Fe
2005-2010 Sonata
2006-2013 Veracruz

Kia: 2006-2009 Amanti
2006-2014 Sedona
2006-2017 Sorento

Oil filter wrench for BMW

NEW

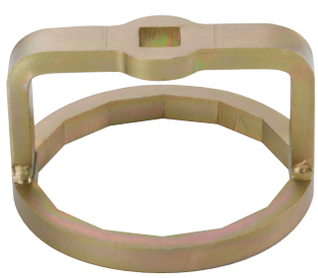




6318716 40/9.2/10.2/2.9' 274g

- Special design for plastic oil filter cap of BMW
- Size: 3/8"DR. x 86.6 mm x 16PT
- Applicable:
  1 Series: E81 (06-12), E82 (07-13), E87 (04-12), F20 (11-20)
  2 Series: F22 (12-20), F23 (14-20)
  3 Series: E90 (04-11), E92 (05-13), F30 (11-18), F31 (12-19)
  4 Series: F32 (13-20), F33 (13-20)
  5 Series: E60 (01-10), E61 (04-10), F10 (09-17)
  6 Series: E63 (03-10), F12 (10-18)
  7 Series: E65 (01-09), F01 (08-15)
  X1 E84 (09-15), X3 F25 (10-17), X4 F26 (13-18),
  X5 E70 (06-13), X5 F15 (13-19), X6 E71 (07-14), F16 (14-19),
  Z4 E86 (06-08), E85 (02-09), E89 (09-19)

Oil filter wrench for BENZ / DODGE / JEEP



61935 20/8/9/1.54' 400g

- Size: 84 mm x 14 point x 1/2"DR.
- Designed for removing the oil filter housing on various engines when changing the oil and oil filter.
- Application:
  2007 Dodge sprinter, 2007 Mercedes Benz E320,
  2007 Jeep Cherokee with 3.0L V6 diesel engine



4pc Oil filter cap wrench set



61920A 20/15/16/0.65' 750g

- 3/8" Square drive.
- Size: 27, 32, 36, 38 mm
- Applicable:
  BMW, Ford, Mercedes, Vauxhall / Opel.



5pc Oil filter cap wrench set



61920B 20/16/17/0.65' 800g

- 3/8" Square drive.
- Size: 24, 27, 32, 36, 38 mm
- Applicable:
  Cadillac, Mercedes, Vauxhall/Opel, BMW, Ford.



3pc Cap oil filter wrench



61920 20/12/13/0.65' 600g

- 3/8" Square drive.
- Size: 27, 32, 36 mm
- Applicable:
  Mercedes, Vauxhall/Opel, BMW, Ford.

10pc Cup type oil filter wrench kit

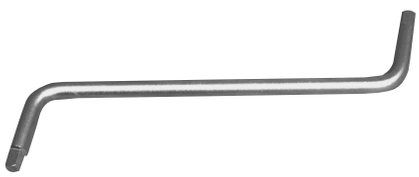
NEW



61936 6/10.8/11.8/1.4' 1792g

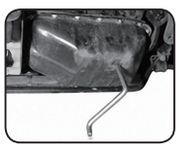
- To go with 3/8" or 1/2" drive .
- Adaptor: 1/2"(F) x 3/8"(M)(with 21mm Hex) and
  3/8"(F) x 1/2"(M).
- Size: 27/6P, 32/6P, 36/6P, 76/14P, 74/14P (75.6/14P),
  86/16P, 76/12P, 93/15P .
- Suitable for Benz, BMW, Volvo, VW, Fiat, Renault,
  Honda, Mazda, Nissan, Toyota, etc.

8 & 10mm Oil service wrench



9U0706 50/17.3/18.3/1.84' 344g

- Chrome-vanadium, chrome-plated with 8 and 10 mm outside square drive for various French passenger cars, oil drain plug on oil pan, gearbox, differential.



8 & 8mm Oil service wrench



9U0710 50/12.8/14.6/1.6' 255g

- Chrome-vanadium, chrome-plated with 8 and 8 mm outside square drive for various French passenger cars, oil drain plug on oil pan, gearbox and differential.

Oil service wrench



9U0711 30/10.5/11.5/0.74' 350g

- For the oil filter and oil drain plug gear box, differential oil pan on various French passenger cars.
- Length: 245 mm
- Size: M10 female x 10 mm square male

Composite drain key



890220 20/8.8/9.8/0.56' 440g

- Size: 6.8 mm, 8.7 mm, 9.5 mm, 10.5 mm, 11.5 mm, 13 mm, 15.2 mm, 16.5 mm, 19.7 mm
- Length: 220 mm

5pc Fill / Drain plug key set



5051

25/11.5/12.5/0.64' 460g



1pc	5051-1	17mmHex - 14mmHex
1pc	5051-2	10mmHex - 12mmHex
1pc	5051-3	9mmHex - 5/16"Hex
1pc	5051-4	8mmSq. - 13mmSq.
1pc	5051-5	3/8"Sq. - 11mmSq.

6pc Fill / Drain plug key set



5061

25/17.9/18.9/0.64' 730g



1pc	5061-1	5/16"Hex - 3/8"Hex
1pc	5061-2	8 mmSq. - 3/8"Sq.
1pc	5061-3	11 mmSq. - 12 mmHex
1pc	5061-4	13 mmSq. - 14 mmHex
1pc	5061-5	17 mmHex - 1/2"Hex
1pc	5061-6	8 mmHex - 10 mmHex

12pc Auto tool kit



5122

6/11.8/12.8/0.9' 1970g

1pc	807416M	1/2"DR. Magnetic spark plug 16 mm
1pc	807420.6M	1/2"DR. Magnetic spark plug 20.6 mm
1pc	5061-1	5/16"Hex - 3/8"Hex
1pc	5061-2	8 mmSq. - 3/8"Sq.
1pc	5061-3	11 mmSq. - 12 mmHex
1pc	5061-4	13 mmSq. - 14 mmHex
1pc	5061-5	17 mmHex - 1/2"Hex
1pc	5061-6	8 mmHex - 10 mmHex
1pc	810421	Plug key holder 1/2"(F) x 21 mm(F)
1pc	617	Telescope mirror stick / magnetic pick-up
1pc	618	Feeler gauges of 20 sizes 0.05 mm to 1 mm
1pc	619	Oil filter strap wrench

15pc 3/8"DR. Oil drain plug socket set



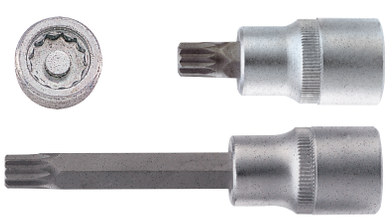
915G2 10/20/21/1.3' 750g

- The drain nut set has different external shape to fit different requirements.
- We offer also the drain nut set without driver.

9.5 mm
10 mm
8, 9.5, 11, 12, 13 mm
8, 9, 9.5, 10, 12, 14, 17 mm



1/2"DR. Drain nut socket bit (M16H)



348...T		l		
Part no.	size	mm	g	pc/box
34805516T	M16H	55	142	10
34810016T	M16H	100	270	10

- For removal and replacement of the gear box drain plug Audi A3, A4, A6; VW Golf IV, LT.



Assembly tool for plastic oil drain plug (VAG group)



61930 72/6.5/7.5/1.4' 76g

- Required for proper removing and installing of the special plastic oil drain plug (M14 x 1.5 x 22) at plastic oil pan.
- For Audi, Seat, Skoda, VW 1.2, 1.4, 1.8, 2.0 TFSI; 1.6, 2.0 TDI



Plastic oil drain plug driver tool set

NEW

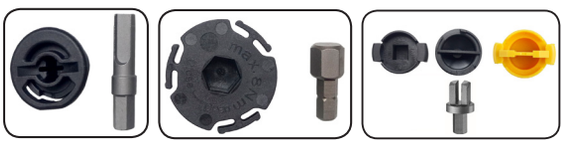


904G22 48/7.7/8.7/0.67' 167g

- For removing and installing of the plastic oil drain plug at the plastic oil pan.
- Application:
  Ford, Peugeot, Citroen, BMW, VW, Audi, Skoda, Seat, Porsche.

Contents :

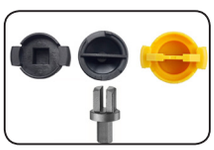
1pc Offset bit holder wrench 100 mm. (8152105)
1pc 10 mm Hex bit, 1/4" hex shank. (1242510)
1pc 3/8"Sq. with slot, 1/4" hex shank. (61938)
1pc VAG oil plug bit, 1/4" hex shank. (9U0712)



Plastic oil drain plug driver tool for FORD / PEUGEOT / CITROEN

NEW





61938		l		
Part no.	Size	mm	packing	g
61938	1/4"Hex - 3/8"Sq	25	140/1.8/2.8/0.4'	13

- For removing and installing of the plastic oil drain plug at the plastic oil pan.
- Size: 3/8"Sq. with slot, 1/4" hex shank
- Application:
  Ford: C-Max (15~), Edge (15~17), F-150 (15~16), F-150 (15~19), F-250/350/450/550 Super Duty - diesel (11~12), Focus (14~), Fusion (17~), Galaxy (15~), Kuga (14~), Mondeo (14~), Mustang (15~17), S-Max (15~), Transit/Tourneo Connect (13~)
  Peugeot: 308 (13~), 3008 (09~), 508 (14~), 5008 (09~), Traveller (16~)
  Citroen: C4 (13~), C5 (09~15), D84 (14~15), D85 (13~15), Jumpy (16~), SpaceTourer (16~)

Magnetic oil drain grip tool

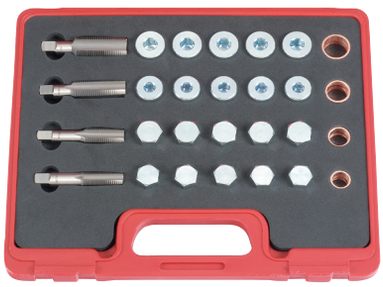




61933 40/3.5/4.5/1.5' 87g

- Drain old and hot engine oil, transmission fluid, and gear oil without danger.
- High-power magnet grips oil plug well.
- Pleasant oil changing work.
- Patented handle provides comfortable gripping.
- Universal application.

64pc Oil drain repair kit



964G1 12/18/19/2.2' 1460g

- Renew the diameter and replace a new oil drain plug.
- Four popular sizes fit nearly all applications.
- Specification: M13 x 1.5P, M15 x 1.5P, M17 x 1.5P, M20 x 1.5P
- Tap: 1 piece/size, material: SKS3
- Oil drain plug: 5 pieces/size, material: 1015
- Washer: 10 pieces/size, material: Copper

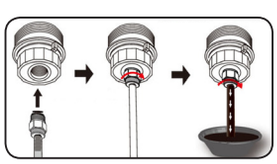


Oil filter drain tool for TOYOTA & LEXUS



61923 40/11.2/12.2/2.9' 280g

- Provide a professional and clean work when changing oil filter.
- Application:
  Toyota and Lexus 4 & 8 cylinder petrol engines in:
  Toyota: Avalon, Camery, Highlander, Landcruiser,
  Sequoia, Sienna, Tacoma, Tundra, Venza, Scion, IQ
  Lexus: ES350, GS300, 350, 460, IS200T, RC200T,
  NX300H, RC300, RC350, RX350X, RX450H

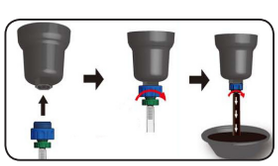


Oil filter drain tool for VAG



61925 40/7.4/8.4/3.6' 170g

- Provide a professional and clean work when changing oil filter.
- Application:
  VAG 1.8 and 2.0 petrol engines in:
  Audi: A3, A4, A6, TT
  Seat: Altea, Leon, Octavia, Toledo
  VW: Golf V, Passat, Touran, New Beetle, EOS, Jetta III
- Engine codes:
  AXW, BGB, BLX, BLR, BLY, BVX, BVY, BVZ, BWE

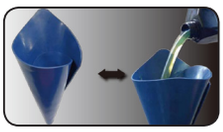
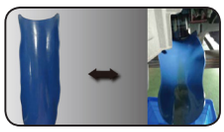


Flexible / Moldable funnel



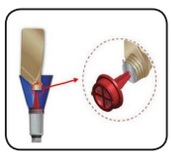
61926 50/11.5/12.5/1.0' 230g

- Flexible funnel provides easy job for draining or refilling wide kinds of fluid and oil.
- Suitable application:
  engine oil, coolant, brake oil, auto transmission oil...etc.
- Easy to take anywhere, use to limited space, and easy storage.
- Size: 372 mm x 170 mm

Oil funnel with piercer



61928 10/3/4/1.57' 340g

- Oil spill eliminator, no more unpleasant spills.
- Efficiently improves oil-changing process.
- Transparent lower chamber design clearly show oil flow process.
- Hand free design of piercer securely holds bottles.
- Pierces bottle seals and prevents seals from falling into engine.
- Piercing function saves time and prevents engine oil or transmission fluid additives from spilling.
- Special filter mesh efficiently blocks impurities without extending oil-changing time.
- Connect thread-good fitting with thread funnel & current M37 x P3.0 funnels on market.
- Application:
  Lexus, Toyota, Scion, VW, Audi, BMW, Mercedes Benz, Porsche, Chevrolet, Geo, Volvo

Oil funnel with piercer



61929 10/2.6/3.6/1.57' 300g

- Oil spill eliminator, no more unpleasant spills.
- Efficiently improves oil-changing process.
- Transparent lower chamber design clearly show oil flow process.
- Hand free design of piercer securely holds bottles.
- Pierces bottle seals and prevents seals from falling into engine.
- Piercing function saves time and prevents engine oil or transmission fluid additives from spilling.
- Special filter mesh efficiently blocks impurities without extending oil-changing time.
- Connect thread-good fitting with thread funnel & current M32 x P3.5 funnels on market.
- Application:
  Acura, Chevrolet, Chrysler, Dodge, Eagle, Ford, Geo, Hyundai, Honda, Isuzu, Infiniti, Jeep, Kia.

Oil funnel set for VAG

NEW



906G12 10/3.5/4.5/1.57' 354g

- Funnel can be directly connected to oil filler necks, eliminating unsafe oil spills.
- Engine oil bottles can be put up side down on funnel-hands-free and one-person operation.
- Large oil passage allows oil to flow down more rapidly.
- Lower transparent chamber shows oil flows down to engine.



2pc Universal oil funnel



902G23 12/7.3/8.3/4.1' 608g

- The width of the clamp is automatically adjustable 28 mm - 74 mm (1.1 in - 2.9 in)
- The funnel has a thread that fits perfectly in the clamp.
- The funnel has a special transparent design in the lower chamber to see the passage of the oil.
- No need to hold the funnel with your hand when refilling the oil.





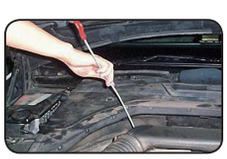
Transmission oil gauge



9G1803 100/16.5/17.5/1.9' 165g

- Dipstick for determining oil level
- Transmission 722.6





9G1804 100/11.6/13.0/1.9' 116g

- Dipstick for determining oil level
- Transmission 716.5, 722.7

Oil gauge



9G1805

100/5.4/6.4/1.4' 54g

- Dipstick for determining oil level and inspecting length of dipstick guide tube





9G1806

100/5.2/6.2/1.4' 52g

- Measuring rod for measuring oil level and for checking length of oil pipe.

Oil cooler line pliers for BMW



9G0717

48/18/19/2.1' 375g

- Release the hydraulic cooling lines that connect to the transmission.
- Front clips fixed by screw can be adjusted at different angle for the convenience of use.
- Applicable:
  BMW E46, E53, E60, E61, E63, E64, E65, E66, E70, E81, E83, E85, E86, E87, E90, E91, E92, E93, R50, R52, R53, Rr1



Fuel injector tester

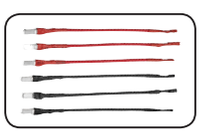
NEW



885G02

20/4.9/5.9/1.2' 246g

- Connected with the 12V vehicle battery, the tester generates four different output signal pulses for user to check the condition of the injector when the engine is switched off.
- By using the tester, user can check if the injector is stuck, leaking or burnt-out.
- Operation environment: 0~40°C; < 80% RH
- Storage environment: -10°C~50°C; < 85% RH

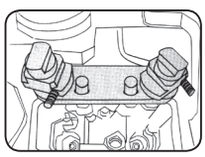


Fuel injector remover / installer tool for BMW N55



9G0127 20/12.0/12.4/0.67' 525g

- Special design for installing and removing the injector in N55 engines.
- Applicable: BMW N55 engine.

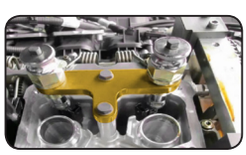


Fuel injector remover / installer tool for BMW N20, N55

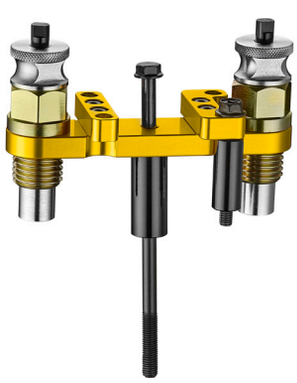


9G0128 10/6/6.5/0.8' 520g

- Special design for installing and removing the injector in N20, and new N55 engines.
- Applicable: BMW N22, N55 engine.



Fuel injector remover / installer tool for BMW N63



9G0130 10/6.32/7.32/0.64' 632g

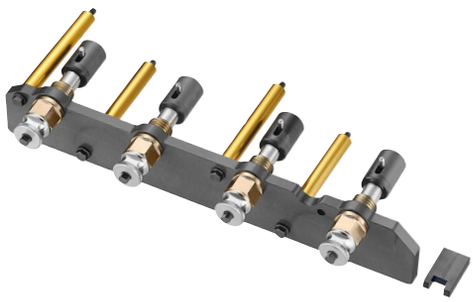
- Special design for installing and removing the injector in N63 engines.
- Applicable: BMW N63 engine.





Fuel injector remover / installer for BMW B36, B38, B48

NEW



9G0132 4/12.6/13.2/1.24' 3150g

- The set is specially designed to install and remove the injector.
- Application:
  BMW B36, B38, B48 engine.



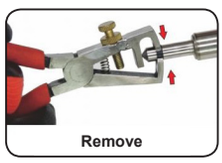

Fuel injector seal installer / remover for BMW

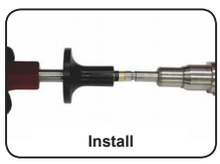
NEW



908G10 10/8.7/9.7/1.2' 870g

- Special design for removing and installing the injectors seal (PTFE seal).
- Application:
  BMW: N13, N14, N18, N20, N26, N43, N53, N54, N55, N63, N74, S55, S63, B38, B48





Petrol injector puller for Bosch - GDI

NEW



9G0133 10/14.3/15.3/0.67' 1432g

- Pulls Bosch GDI petrol injector straight out, without damaging the injector or head.
- The 2PCS jaw design with slide lock easily accesses and grips recessed injectors.
- Suitable for works on Ford GTDI ecoboost engine from 1.0L to 3.7L and on GM SIDI Ecotec engine from 2009.



Fuel injector and seal tool kit for BMW

NEW



908G19 10/10.3/11.3/0.8' 1049g

- Used to remove fuel injectors and install new seals onto the injectors.
- Applicable:
  BMW: N54, N63 engine.
  Mini Cooper: N14, N18 engines.

Injector nozzle tool set for BENZ

NEW



903G25 60/16.9/17.9/0.65' 282g

- For removing the petrol injector using a slide hammer or T bar.
- For restoring fuel injectors immediately after calibration of the sealing rings.
- For most 4.6 to 5.5 litre petrol engines.
- Application:
  M133, M152, M157, M270, M274, M276, M278 engines.

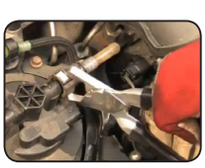


Fuel feed pipe pliers



9G0715 72/17.5/18.5/0.94' 243g

- For undoing quick-release connections on fuel feed pipe lines.
- Application: Vauxhall/Opel, Fiat, GM, VW etc.



Fuel line pliers



9G0716 48/16/17/2.4' 335g

- Quick and easy fuel connector removal and replacement
- For use on fuel filter connectors during replacement
- Prevents fuel leakage from damaged fuel connectors
- Applications:
  Audi, VW, GM, Mercedes including M-class, Toyota, Fiat, Opel.



Button connector pliers with flexible cable

NEW



9G0209 36/22.3/23.3/2.8' 502g

- This pliers allows a quick disassembly of 2-button connectors, mainly used for fuel systems, gearbox, brake fluid, urea fluid water, power steering, air system and AC systems.
- Cable length: 650mm
- Jaw open range: 3mm to 32mm



3pc Fuel line disconnect set





903G2 60/18/19/3.6' 305g

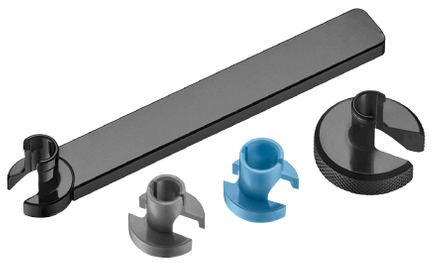
- Designed for uncoupling quick-release fittings on fuel line to most of the cars.

Contents:

1. 1/4" & 5/16" (Ø8 mm),
   for: Ford-Mercury, Dodge-Chrysler, Renault
2. 3/8" (Ø10 mm),
   for: Ford-Mercury, Dodge-Chrysler, Renault
3. For: G.M., Chevrolet, Buick-Pontiac,
   Renault / Fiat / Ford / Opel

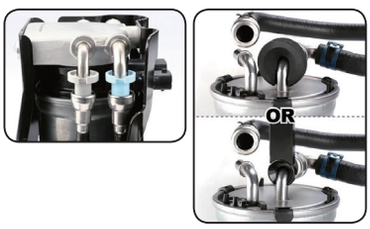
Fuel line disconnect tool set

NEW



904G24 96/13/14/1.7' 125g

- Special design for disconnecting the quick couplings on fuel line of fuel filter.
- Applicable: VAG, Fiat, Jeep, Opel, Ford, Chrysler and Volvo.



Fuel return line tool for VAG

NEW



9G0736 48/13.7/14.2/1.4' 242g

- Designed for professional removal / installation of the fuel return line PUSH-FIT connector (round type) at the injectors.
- Suitable for VW, Audi, Skoda, Seat 2.0, 2.7 and 3.0 TDI Common rail diesel engine.
- Application:
  Audi: A3, A4, A5, A6, A7, Q5
  Seat: Exeo
  Skoda: Yeti
  VW: Eos, Golf V, Golf VI, Jetta, Passat, Scirocco, Tiguan,Transporter T5, Phaeton



Adjustable fuel tank lid remover



9G0713 24/16/17/1.2' 497g

- Jaw adjustable range: 122-199 mm, suitable for different fuel tank lid.
- Special jaws designed to remove & install the tank closely.
- Use with 3/8"DR. wrench



Fuel pump wrench for FORD



9G0706 36/15.3/16.3/3.1' 425g

- For removal and installation of the fuel pumps with a plastic retaining nut.
- Suits all Ford falcon models XE, XF to current.
- Diameter: 6-1/8" (155 mm)

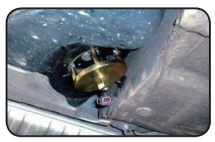
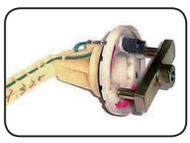
3pc Fuel tank cap wrench for BENZ



903U2 5/10.5/11.5/1.37' 2.1kg

Contents:

9U0707: Benz W210 Fuel tank cup wrench
9U0708: Benz W202 Fuel tank cap wrench
9U0709: Benz Fuel tank lid dissembler wrench

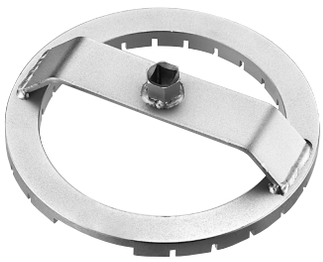
Fuel tank lid remover / installer for BENZ (W211, W203) / BMW (E36, E46)



9G0725 18/19.5/20.5/0.8' 1146g

- For removing the tank lid while fixing or replacing the fuel tank.
- The tool will help you remove the tank lid easily.
- Application:
  BMW: E36, E46
  Benz: W211, W203

Fuel tank lid wrench for BENZ W164, W166, W251



9G0720 10/12.4/13.4/1.4' 1028g

- Used to remove the plastic fuel tank lid.
- Size: 1/2"DR. x 22 points
- Application: Benz W164, W166, W251.

Fuel tank locking ring tool for VW / AUDI



9G0721 24/18.1/18.6/0.96' 714g

- Designed to remove and install the fuel tank locking ring.
- 120 mm internal diameter with 3 slotted teeth to grip ring.
- Application:

  VW: Polo, Beetle, Golf, Golf Plus, Golf Cab, Jetta, Eos, Scirocco, Passat, Passat CC, CC, Sharan, Touran, Tiguan, Touareg, Phaeton, Caddy, Transporter including LCV models.

  Audi: A3, A4, A6, A7, A8, Q3, Q5, Q7, R8, TT.



Fuel tank locking ring tool for BMW / MINI / PORSCHE



9G0722 24/12.0/13.0/2.0' 480g

- This tool is designed to remove and install the fuel tank locking ring.
- Application:

  BMW: E31, E34, E36, E38, E39, E46, E53, E60, E63, E64, E65, E83, E85, E90

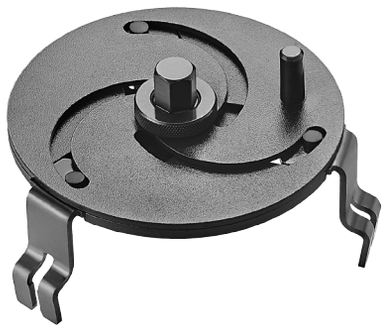
  Mini: R50, R52, R53, R55, R56, R57

  Porsche: Boxster, Cayman (986) 911 Carrera, Turbo / GT2 / GT3 (997)



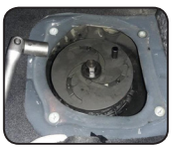
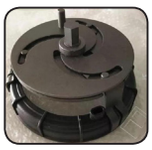
3-Jaws adjustable fuel tank lid wrench

NEW



9G0732 12/11.5/12.5/1.2' 955g

- Adjustable to suit most collars from 90-170 mm.
- Lock in place and turn with a 16 mm wrench or socket.
- An innovative tool for the removal and fitting of fuel gauge sender collars.

Fuel filter wrench 108mm



9G0727 120/12.9/13.9/2' 108g

- For removing and refitting fuel filter cap when replacing.
- Application:
  Citroen, Peugeot and Renault with HDI diesel engines.



Diesel filter wrench for VW / VOLVO

NEW



61937 96/15/16/1.2' 150g

- Specially designed to fit the plastic housing for removal and replacement of the paper fuel filter.
- Application:
  VW: Crafter 2.5 TDI from 2006 to 2013.
  Volvo: V70, XC70, S40, S60, S80, XC90, V50
  4 and 5 cylinder 2.0lt and 2.4lt diesel engines.



Fuel filter cover mounting tool for VW / AUDI / SKODA / SEAT



9G0726 12/7.5/8/1.7' 500g

- The fuel filter cover mounting tool is designed to press the fuel filter cover evenly and in a torsion-free manner into the seal seat in the fuel filter housing.
- Application:
  Audi, Seat, Skoda and VW diesel vehicles with UFI fuel filter housing. (2.0L TDI CR)



Fuel filter cover mounting tool for VAG

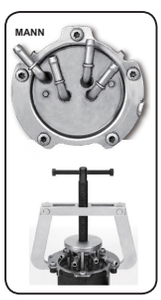
NEW



9G0131 10/10.8/11.3/0.88' 1080g

- The fuel filter cover mounting tool is designed to press the fuel filter cover evenly and in a torsion-free manner into the seal seat in the fuel filter housing.
- Application:
  Audi, Seat, Skoda and VW diesel vehicles with UFI and MANN fuel filter housing.





Diesel fuel filter removal tool





9G0723 24/15.2/15.7/2.0' 560g

- Filter housing fits into the plastic holder using a vice, so the key can be used to unscrew the housing cap without causing damage.
- Designed to remove the fuel filter on diesel 1.3, 1.9, 2.0, 2.2, 2.3, 2.8, 3.0 engine.
- Application:
  Fiat, Lancia, Alfa Romeo, Opel, Vauxhall, Holden, Chevrolet, Citroen, Peugeot, Suzuki and Saab



Fuel pump wrench



9G0711 30/12.8/13.8/2.0' 425g

- Wrench for removal and installation of the fuel pump
- Applications:
  Audi: A4 (00-04), A6 (99-04)
  VW: Passat (98-05)



Fuel transfer tool

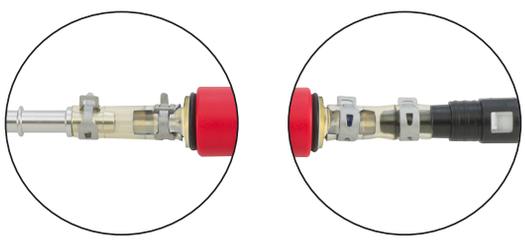


63302 50/8.7/10.7/3.2' 188g

- Transferring fuel from car to car.
- Pumping fuel into the heater.
- Extracting fluid from tank.
- Can be used to prime Ford, Mondeo diesel engines.

Diesel injection priming tool





63303 100/14.2/15.2/2.5' 142g

- A Suitable tool for Vauxhall 2.2Di and 2.0Di diesel engines with engine codes X20DTL/X20DTH/X22DTH.
- For the introduction of fuel into the fuel pump after replacement of the fuel filter.

Fuel & transmission line disconnect set



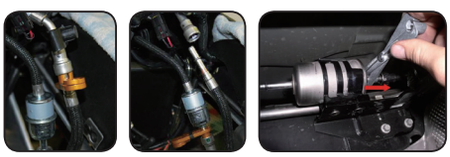
912G3

36/19/20/2.5' 520g

• A complete set of disconnect tools.

Contents:

4pc Aluminum disconnect tool (1/4", 5/16", 3/8", 1/2")
1pc Two ends disconnect tool (5/16" - 3/8")
1pc Long disconnect tool (1/2")
1pc Round disconnect tool (1/2")
1pc Two point disconnect tool
4pc Rubber cap



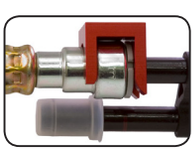
BMW line disconnect tool



9G0718

144/5/6/1.0' 35g

• Removes covers for both power steering and transmission oil cooler line.
• Made of red anodized aluminum.
• Applicable:
1999-2005 BMW 3-Series and X5.



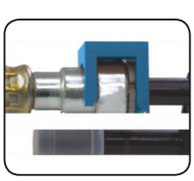
BMW line disconnect tool



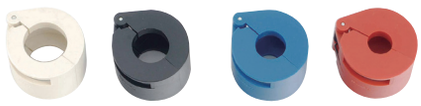
9G0719

288/7.5/8.5/1.8' 26g

• Removes covers for both power steering and transmission oil cooler line.
• Made of blue anodized aluminum.
• Applicable:
2006-2011 BMW 3-Series,
2006-2009 X3 (E90 & E83).



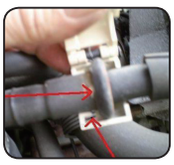
A/C Spring lock coupling tools



904G10

144/13/14/3.6' 80g

- For 3/8", 1/2", 5/8", 3/4" couplers.
- Designed for separating air conditioning refrigerant pressure lines on these vehicles.
- Used for Ford, Chrysler and Jeep vehicles.



A/C, fuel line disconnect tool set



907G10

72/9.5/10.5/2.7' 120g

- Easily disconnects air conditioning lines, quick connect fuel lines or can be used as push lock connectors on radiator and transmission lines.
- Size include: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"



Oil & Fuel pipe stopper



904G12

48/7.5/8.5/2.5' 157g

- Use to plug steel lines once disconnected.
- Prevents fluid leaks and contamination during service.
- Use with any automotive fluid.
- Spring loaded design installs in seconds.
- Specifications: Banjo, 3/8", 5/16", 1/2"



Universal steel line stopper



9G4301 72/14.8/15.8/2.65' 205g

- Suitable for clamping and sealing steel line on braking system, cooling system, fuel line, A/C line etc.
- Provides an effective seal to steel lines when disconnected.
- Prevents fluid loss and contamination in the work area.
- 5/16", 3/8", 1/2" and banjo (10.4 mm & 18 mm)

Universal oxygen sensor socket



9G1401 36/16.7/17.7/1.5' 460g

- Works on most vehicle oxygen sensors.
- A slot provided in the side of the socket allows wire clearance.
- Outside rib provides added strength.
- 1/2" SQ. DR., 1" Male Hex DR.
- 7/8" 6pt. Hex socket

7pc Sensor & Sending unit socket set

907G2P3





907G2 10/21.4/22.4/1.2' 2140g

- Designed for removing oxygen sensor.

Contents:

01 - 22 mm (7/8") Heated oxygen sensor socket
(1/2"DR. x 7/8" x 50 mmL)
02 - 22 mm (7/8") Low profile offset socket
(3/8"DR. x 7/8" x 30 mmL)
03 - 22 mm (7/8") Oxygen sensor socket
(3/8"DR. x 7/8" x 6pt. x 80 mmL)
04 - 22 mm (7/8") Universal vacuum Pvs, Tvs valve & oxygen sensor socket
(3/8"DR. x 7/8" x 6pt. x 90 mmL)
05 - 1" & 1-1/16" Oil pressure sending socket
(3/8"DR. x 1" x 1-1/16" x 74 mmL)
06 - 1-3/16" Oil pressure sending socket
(1/2"DR. x 29 mm x 6pt. x 90 mmL)
907G2P3 - 1-1/16" (27 mm) GM Thermal sensor switch socket
(1/2"DR. x 27 mm x 12pt. x 78 mmL)

Oxygen sensor socket



9G1403 120/21.8/22.8/2.4' 181g

- Applicable:
  Ford, Toyota, Nissan, Benz, BMW and most of European cars, also GM vehicles.
- Flare nut for vacuum switch & oxygen sensor service on the computer-controlled engines.
- Features:
  3/8" of the double square DR. 7/8" (22 mm) 12 point & 6 point.



1/2"DR. Vacuum switch socket

NEW



443		l		
Part no.	size	mm	g	pc/box
44317	17	85	182	10
44319	19	85	242	10
44322	22	85	261	10
44327	27	85	389	10

- Works on most vehicle EGT and lambda or oxygen sensors.
- A slot provided in the side of the socket allows wire clearance.
- 1/2" SQ. DR., 21 mm Hex DR.

1/2"DR. Vacuum switch socket

NEW



443150		l	
Part no.	size	mm	g
44315017	17	150	324
44315019	19	150	371
44315022	22	150	362

- For removing and installing lambda sensors with a deep-seated hexagon.

7pc Slotted socket set

NEW



907G22 20/10/11/1.2' 498g

- Used for assembling the top and side wired temperature sensors, thermo switches and other components.
- Also can be used for nuts and bolts of bent pipes.



Contents:
1/4"DR.: 10, 11, 12 mm (423A10/423A11/423A12)
3/8"DR.: 13, 14 mm (433A13/433A14)
1/2"DR.: 17, 19 mm (443A17/443A19)

6pc EGT Sensor socket set

NEW



906G11 24/15.8/16.8/1.4' 648g

- This set of sockets is designed to remove exhaust temperature sensors.
- Two different styles can remove most EGT sensors used on cars, as well as on light, medium, and heavy-duty trucks.
- Size: 13, 14, 17 mm.



Oxygen sensor rethread tool



63007 144/14/15/1.6' 90g

- Cleans threads in oxygen sensor holes.
- Use with 3/4" hex socket or 3/8" square drive.
- M18 x 1.5 also works on M18 x 1.5 spark plug threads.

Air bag removal tool



907G5 20/11.6/12.6/2.0' 580g

- Airbag removal tool is used to remove driver's airbag from steering wheel on 1999-04 new bodystyle VW Passat, Jetta, Golf and Beetle.
- Mercedes-Benz, BMW (neue Modelle)

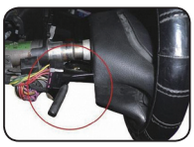


VW Air bag removal tool

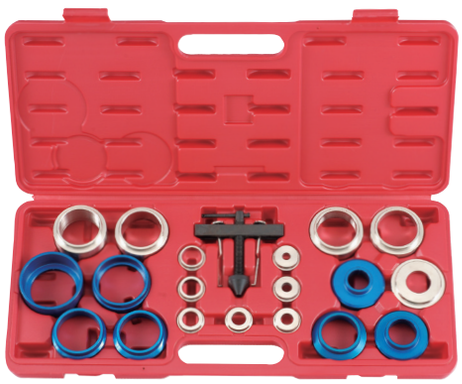


9G0301 120/3.1/3.2/1.4' 26g

- Air bag removal tool is used to remove driver's air bag from steering wheel on 1999-04 new bodystyle VW Passat, Jetta, Golf and Beetle.



Crank seal remover & installer kit

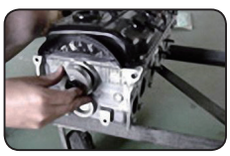


920G1 10/18/19/1.8' 1750g

- Allows the crank seal to be replaced without dismantling the crank case.
- Universal use covering a wide range of cars with oil seals between 27 mm and 58 mm in diameter.
- Use the existing bolt in the vehicle for installation .
- Screw-type adapter to fit the centering.
- The blue seal adapters are made of aluminum to prevent the damage of crank.

Note: Some cam seals have screws to prevent remove.
Do not attempt to use this tool by power.





Crankshaft & Camshaft seal remover and installer set



927G1 5/11.5/12.5/1.8' 2300g

- Ideal for both crankshaft and camshaft seal.
- Quick and easy work for both removal and installation work.
- Provided with 2 seal removers with different length and angle fits wide applications.
- Master kit includes wide size seal installers.
- Angled blade seal remover is ideal for removing seals in limited space.





3pc Seal puller



903G13

40/10/11/1.4' 200g

- Quickly and easily remove O-Ring or grease and oil seal.
- Special angle on the tool head provides a better work than traditional seal pullers.
- 3 different lengths and tips fit nearly all seal applications.
- Simple insert the tool tips, press and pull.
- Length: 165, 117, 150 mm



Seal puller



9G0113

60/22.2/23.2/3.0' 375g

- Use to remove oil and grease seals.
- Two different size tips enables this tool to accommodate most applications.



5pc Mini pick and hook set



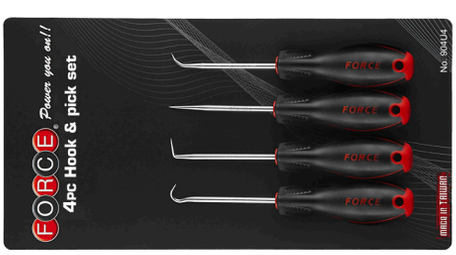
905G6

100/4.4/5.4/1.5' 44g

- Miniature pick set.
- Removes O-rings in line connections and inside compressors.
- Aluminum handles with 4 stainless tools:
  1. Awl end
  2. Hook end
  3. 45° Bent tip
  4. 90° Bent tip



4pc Hook & pick set

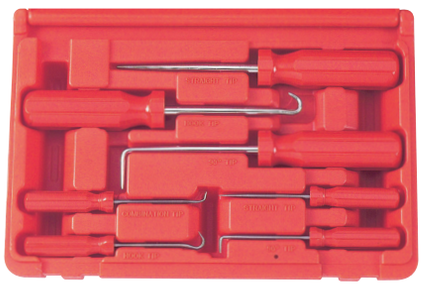


904U4

60/11.3/12.3/1.9' 309g

	1pc	904U4P1	Full hook
	1pc	904U4P2	90° hook
	1pc	904U4P3	Angel hook
	1pc	904U4P4	Straight pick

7pc Universal hook & pick set



907U1 10/9.7/10.7/1.3' 970g

- Tools for household use, repair garages, and factories.
- For punching, marking and line-up work.
- Ideal for separating wires.
- Removing small fuses, stuck parts.
- Pull “O” rings, seals, cotter pins and brushes quickly and easily.
- Remove spring from oil burner relay boxes.
- Retrieve lost nuts, bolts, washers and tools from tight areas.
- Brake spring puller, heavy-duty spring hook.
- Heavy-duty hook and cotter pin extractor.

4pc Cup rocket set



904T2 144/16.0/17.5/1.5' 11g

- This tool enables cups to be installed smoothly without scratching damage to O ring cylinders
- Available size:
  9/16" (Ø14.4 mm - Ø16.0 mm)
  5/8" (Ø15.9 mm - Ø17.5 mm)
  11/16" (Ø17.5 mm - Ø19.1 mm)
  13/16" (Ø20.7 mm - Ø22.4 mm)



7pc Cup rocket set



907T1 48/17.38/18.38/1.6' 362g

- This tool enables cups to be installed smoothly without scratching damage to O ring cylinders
- Available size:
  9/16" (Ø14.4 mm - Ø16.0 mm)
  5/8" (Ø15.9 mm - Ø17.5 mm)
  11/16" (Ø17.5 mm - Ø19.1 mm)
  13/16" (Ø20.7 mm - Ø22.4 mm)
  15/16" (Ø24.0 mm - Ø26.0 mm)
  1" (Ø25.5 mm - Ø27.5 mm)
  1-3/16" (Ø30.3 mm - Ø32.3 mm)

Transverse engine supports - for General engines

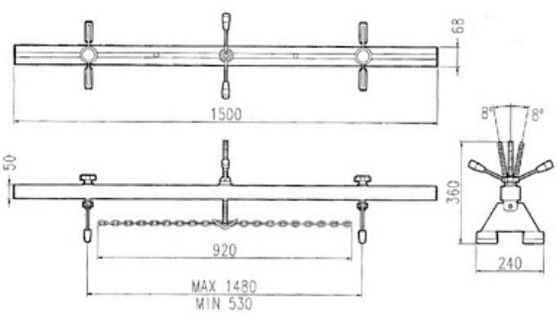


9G0612

1/12.7/14.2/1.75' 11.5kg

- Stradding the inner fender walls and acting as a bridge to support engines.
- Adjustable in height and width to bridge various vehicle fender walls and securely hold engine in place.
- Including slide bolt that can be positioned anywhere on the bar for the best weight distribution.
- Capacity: 500 kg





Transverse engine supports - for general engines and bigger engines, multi-way



9G0613

1/15.5/17.0/1.1' 15.5kg

- Special new design for 5 fixing point to be a bridge to support the engine.
- Adjustable in height, position, width, and angle to bridge various vehicle fender walls and securely hold engine in place.
- Total length of middle part 1510 mm, width 40 x 40 mm

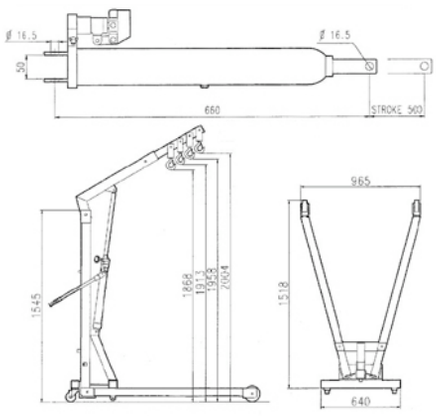


Engine crane 1 ton



9G0615 1/91/106/14.0' 91kg

- Four position telescopic boom with forged steel grab hook.
- Quick foldable legs save shop space and prepare crane for transportation or storage within seconds.
- Four full swivel casters provide easy manoeuvering and positioning.
- New 5 ton capacity long stroke ram is designed with swivel handle to provide fast engine removal and replacement from any direction.
- Capacity: 1000 kg



1/2"DR. Angle impact wrench

NEW



825412	*l*		
Part no.	mm-inch	g	pc/box
825412	350-13.8"	1960	1

Specifications:

Square Drive ..... 1/2"
Free Speed (R.P.M) 4700
Max. Torque (Ft/Lbs) / (Nm) 170/230
Air Inlet (P.T.) ..... 1/4"

- Single hammer impulse device.
- High torque.
- Reversible lever.
- Two power adjustable screwing positions.
- Exhaust through handle.

Aluminum R12, R22, R134a Auto A/C manifold gauge set (with 60" hose 1/4" SAE and 2 couplers)



9G4102 10/18.9/19.9/2.4' 1885g

- R-12, R22, R134a sight glass manifold with three 60" 1/4" SAE color-coded hoses and 2 couplers.
- With sight glasses.
- High pressure: 0~500 psi
  0~3400 Kpa
- Low pressure: 0~250 psi
  0~1700 Kpa
- Vacuum: 0~76 in/Hg

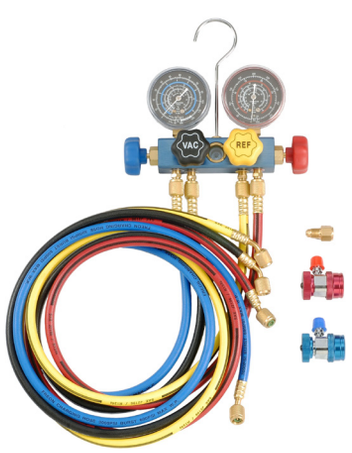
Aluminum R404A, R407C, R507A A/C & Refrigeration manifold gauge (with 60" hose 1/4" SAE)



9G4106 16/26/27/3.9' 1625g

- R404A, R407C, R507A sight glass manifold with three 60" 1/4" SAE color-coded hoses.
- With sight glasses.
- High pressure: 0~500 psi
  0~35 kg/cm^2
- Low pressure: 0~350 psi
  -1~25 kg/cm^2
- Vacuum: 0~76 in/Hg

Aluminum 4-way R134a Auto A/C manifold 80 mm gauge set (with 60" hose 1/4" SAE and 2 couplers)

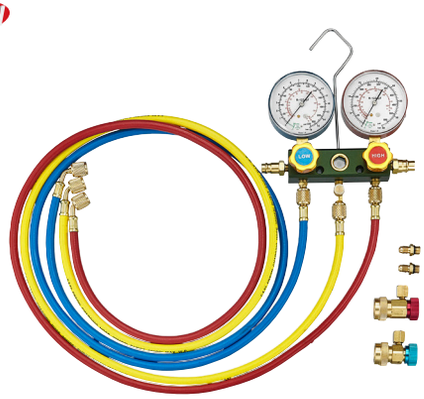


9G4108 8/18.7/19.7/4.85' 2340g

- R134a 4-way sight glass manifold with three 60" 1/4" SAE color-coded hoses and 2 couplers.
- With sight glasses.
- High pressure: 0~500 psi
  0~35 kg/cm^2
- Low pressure: 0~350 psi
  -1~25 kg/cm^2
- Vacuum: 0~76 in/Hg

Aluminum R1234yf Auto A/C manifold gauge set (with 60" hose 1/4" SAE & 2 couplers)

NEW

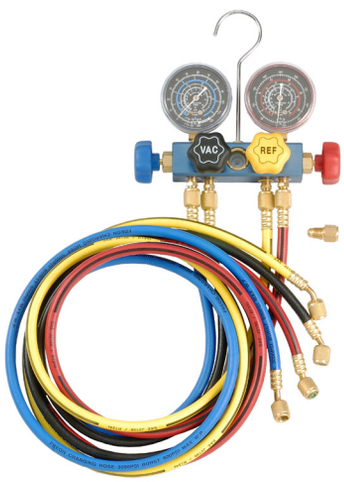


9G4109

10/22.0/23.0/2.4' 2200g

- R1234yf sight glass manifold with three 60" 1/4" SAE color-coded hoses and 2 couplers.
- With sight glasses.
- 80 mm Gauge faces for easier viewing.
- High pressure: 0～550 psi
  0～40 bar
- Low pressure: 0～230 psi
  0～16 bar
- Vacuum: 0～30 in/Hg

Aluminum 4-way R410 A/C & Refrigeration manifold 80mm gauge set (with 60" hose 5/16" SAE and 2 connector)

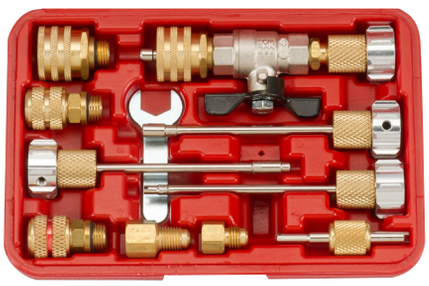


9G4107

8/23.0/27.0/4.85' 2875g

- R410 4-way sight glass manifold with four 60" 5/16" SAE color-coded hoses and 2 connector (1/4" SAE)
- With sight glasses.
- High pressure: 0～800 psi
  0～55 kg/cm^2
- Low pressure:0～500 psi
  -1～35 kg/cm^2
- Vacuum: 0～76 in/Hg

Valve core remover & installer tool kit



Standard



JRA



GM



Volvo & 8mm



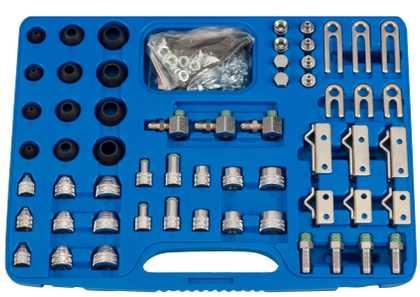
911G8 20/16.4/17.4/0.96' 820g

- Service valve cores without losing the system charge.
- Unique design offers a locking device that holds the shaft in place while removing or installing the valve cores.

Contents:

1. Valve assembly
2. Standard valve core remover / installer
3. GM large bore valve core remover / installer
4. JRA R134a valve core remover / installer
5. Volvo and 8 mm
6. 2 side valve core remover / installer
7. 1/4" FL swivel connect
8. 16mm high side quick connector
9. 13mm low side quick connector
10. 1/4" x 3/16" adapter
11. 1/4" x 1/2" adapter
12. M12 x 1.75 FL swivel connector
13. H14 Wrench

Universal A/C system testing adapter



958G1 6/15/16/2.3' 760g

- All brass fittings.
- All HNBR gaskets.
- Special universal design for all systems.
- For leak testing & flush fittings.

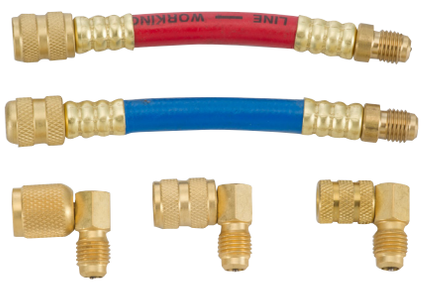
Scale injector



9G4111 20/15.2/16.2/1.9' 760g

- Special design with scale to inject the dye and pack oil for R134a and R12 system.
- Capacity: 1/4 oz. (7.5 ml) to 2 oz. (60 ml).

5pcs Auto A/C swivel adaptor kit



9G4121 100/25.0/26.0/1.6' 250g

- All the adaptors have been combined into a kit ideal for accessing R12 vehicle A/C system, as well as other types of system
- Eight different adaptors are included with 1/4" fittings.
- Two flexible adaptors: 1/4" x 3/16", 1/4" x 1/8"
- Three 90˚ brass adaptors: 1/4" x 1/4", 1/4" x 3/16", 1/4" x 1/8"

A/C Adapters (GM)



9G4122 100/4.0/4.5/0.2' 40g

- Applicable: The joint for GM model and most American cars.

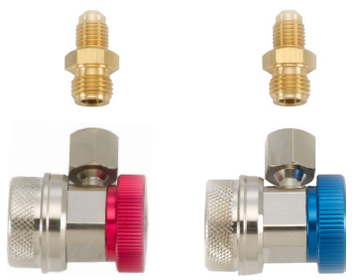
R-134a Quick coupler set



9G4123 100/19.0/20.0/1.3' 190g

- Including the high-side and low-side coupler.
- Straight design suitable for confined space.

R-134a Adjustable quick coupler set



9G4125 48/19.2/20.2/1.2' 400g

- Inclosed the high side and low side coupler.
- The valve core puller is adjustable to fit the different valve core.

R-1234yf Adjustable quick coupler set

NEW



9G4126 50/18.4/19.4/1.1' 368g

- Including the high-side and low-side coupler.
- The valve core puller is adjustable to fit the different valve core.

A/C Compressor clutch remover kit



912G11 12/15.0/16.0/1.2' 1250g

- Replace clutches found on FS6, C171, 6P & 148 computer.
- Also GM R4 & R6, HR-6, DA-6 & V5 A/C compressors.
- Works on compressors of Sanden SD 505, 507, 508, 510, 575, 708 and 709.
- 2 & 3 hole puller plate fits most clutches and the mechanical force generated pulls it out.

Flush kit



902G20

10/7.0/8.0/1.6' 695g

- Volume: 1 L
- Flush solvent performs all mechanical actions required to clean out contaminated systems.
- The cylinder is equipped with a top inlet fitting and a side outlet for connecting to compressed air lines.
- With a gun to control on / off.

12 Volt UV detection light



902G10

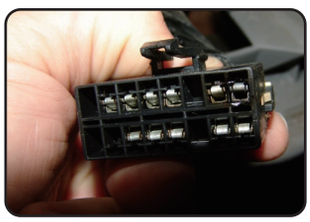
20/10.4/11.0/2.0' 520g

- For air condition leakage check.
- High intensity 12 volt UV lamp.
- Long cord for easy access.
- Detects all dyes.
- UV Safety glasses included.



Electrical / Cable

2-1 **Terminal release tool**



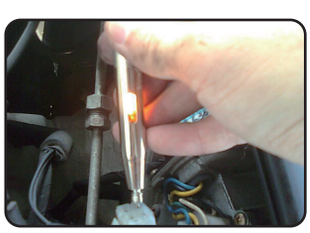
2-2 **Radio removal tool**



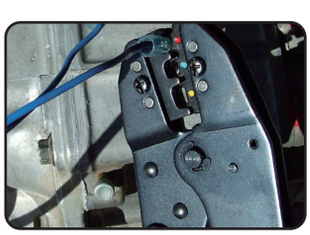
2-3 **Battery tool**



2-8 **Circuit tester tool (DC)**

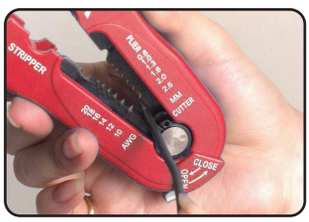


2-13 **Terminal pliers**



2-14

2-14 **Wire stripper tool**



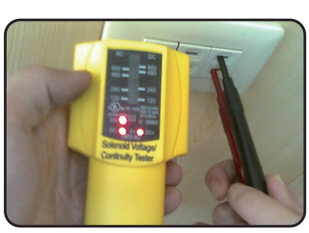
2-16 **Cable stripper tool**



2-17 **Insulated tool**



2-31 **Circuit tester tool (AC)**



2-32 **Cable cutter tool**



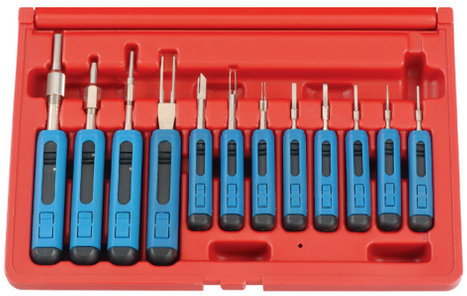
2-33

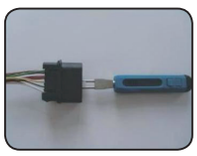
2-34 **Terminal crimping tool**



2-35

12pc Universal terminal release tool set





912C1 10/7.7/8.7/1.1' 770g

- Easy, quick and professional repaire of malfunctions due to loose contacts.
- Basic set for about 80% all plug-type connections in passenger cars for damage-free releasing of plug-type connectors, e.g. flat and round connectors.
- Universal application in the field of car electricity.
- 2-coloured plastic handles with foldable caps protecting the blades from damage and avoiding the risk of injury.
- Application:
  Ford, BMW, Mercedes-Benz, Opel, VW, Fiat, MAN, Saab, Renault, Diamler Chrysler, Porsche, PSA, Skoda, Audi, Mazda, Toyota.

23pc Terminal release tool set



923C1 12/19/20/4.0' 1583g

- Designed especially to release terminals from the plastic connectors without damaging them.
- Release terminals on most of the body wiring connectors.
- Applicable: suitable for most vehicles.

Connector removal tool for VAG

NEW



9C2010 72/5.5/6.5/1.27' 75g

- The safe and proper way to remove most VAG push & pull connectors.
- This kind of electrical connector is often found on mass air flow (MAF) sensor, coil packs, headlights / fog lights, level sensors, MAP sensors, and etc...
- Suitable for VAG group: VW, Audi, Porsche, and etc...



10pc Radio removal tool set



910C1

100/10.2/11.2/0.58' 102g

- For: Ford/VW/Audi; BMW; New Beetle/Audi; Mercedes, New porsche; VW; BMW





18pc Radio removal tool set



918C1

100/15.4/16.4 /1.2' 154g

- Designed to remove radio easily without damage.
- For VW, Ford, Audi, Grundig, Blaupunkt, BMW, Becker, Mercedes-Benz, Porsche, Opel, Skoda.

20pc Radio removal tool set



920C1

100/17.5/18.5/1.2' 175g

- Designed to remove radio easily without damage.
- For Alfa, Fiat, VW, Ford, Renault, Audi, Grundig, Blaupunkt, BMW, Becker, Mercedes-Benz, Porsche, Opel, Skoda, Peugeot.
- For JVC, Pioneer, Clarion.

10pc Mercedes-Benz Dashboard service tool set



910C3 48/17.9/18.9/3.5' 373g

- Removal hooks for instrument cluster on models W107, W116, W123, W124, W126, W140, and W201.
- Removal tools for ignition lock on models W126, W124 & W201.
- Radio removal tool on model W129, W140, W202, and W210.



Bulbs pliers



9G0302 120/5/6/2.0' 42g

- Special pliers for mounting and dismounting wedge base bulbs.
- Use for most of the car.



Battery terminal & wiper pick-up tool



9C2001 72/22.9/23.9/2.0' 320g

- To work for battery terminals and windshield wipers etc.
- The tight terminals will be lifted off without damage to the battery case or posts because the sharp jaws are able to engage either below or on the sides of terminals.
- The center screw swivel also makes this puller very effective on the alternator bearings.



Battery terminal / alternator bearing puller



9C2002

60/23.6/24.6/1.8' 393g

- The tight terminals will be lifted off without damage to the battery case or posts because the sharp jaws are able to engage either below or on the sides of terminals.
- The center screw swivel also makes this puller very effective on the alternator bearings.



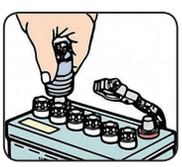
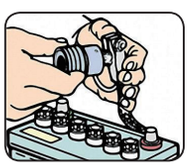

Battery brush



9U3002

120/9.7/10.7/1.7' 81g

- Designed for cleaning the battery terminals.
- There are two sides for using.

Battery holder



9C2005

24/13/14/3' 541g

- Self locking design with rubber grip pads provide a secure grip on batteries 4-1/2" to 7" width.
- Suitable for top and side terminal batteries.
- Allow one handed lifting of battery in awkward location.
- Heavy duty zinc-plated steel construction for long life.



Auto memory saving kit



9C2008 144/10/11/2.1' 40g

- Maintains the memory of car radios, clocks and computer functions when battery is disconnected.
- Simply attach a 9-volt battery and plug into cigarette lighter.
- Will retain settings up to 4 hours.
- Will not power any lights or other accessories.

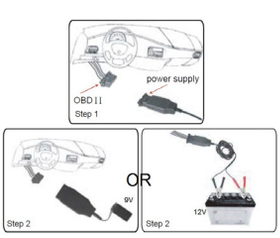


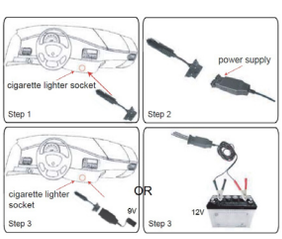
Power backup supply



903C1 20/4.4/5.4/1.5' 230g

- Special adapter to prevent lose any data from replacing car battery.
- Connect adapter from battery 9V Battery (not included) or 12V Battery (not included) to OBD II Plug for Continue Power Supply.
- High visibility: LEDs display.





Vehicle battery tester

NEW



88439 12/4.7/5.7/0.96' 392g

- This is a device to test the 12 volt lead-acid battery of any vehicle.
- The tester will focus on health condition analysis of vehicle battery.
- It will estimate the cold cranking ampere (CCA) of the vehicle, and predict the lifetime of the battery.
- This will be helpful for the technician to inspect and maintain the electrical system of the vehicle.
- Base on the inspection, user can predict the time to replace the battery.

Battery hydrometer tester



9G4005

100/14/16/6.2' 91g

- Avoid dead battery and thus help to extend battery life.
- Test battery life - hot or cold, and thus help to prevent overcharge.
- Applicable: 6, 12, 24 volts system.



Super mini booster (14AH)

NEW





885G11

4/21.7/22.8/1.35' 5425g

- The super mini booster is handy to carry just in case you need to jump start your vehicle.
- Can be used to power accessories, such as your spotlight, air compressor, DVD player, radio, electric fan, electric cooler boxes, even your mobile phone...etc.
- Equipped: 5V USB port x2, two bright LED lights, cigarette lighter DC 12V / Max. 10A, voltmeter.
- Charging power: AC100-240V adaptor / DC 12V via car cigarette lighter, solar panel
- Instant max current: 1200 ampere.
- Battery capacity: Acid battery DC 12V / 14AH.
- Applicable range: Petrol 4~8 cylinder up to 6.5L Diesel up to 3.0L

Super mini booster (20AH)

NEW





885G12

4/30/31.2/1.35' 7500g

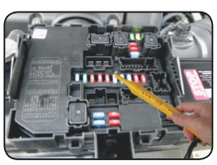
- The super mini booster is handy to carry just in case you need to jump start your vehicle.
- Can be used to power accessories, such as your spotlight, air compressor, DVD player, radio, electric fan, electric cooler boxes, even your mobile phone...etc.
- Equipped: 5V USB port x2, two bright LED lights, cigarette lighter DC 12V / Max. 10A, voltmeter.
- Charging power: AC 100-240V adaptor / DC 12V via car cigarette lighter, solar panel
- Instant max current: 1800 ampere.
- Battery capacity: Acid battery DC 12V / 20AH.
- Applicable range: All 12V vehicles.

Vehicle actuator tester



88435 20/0.8/1.8/0.4' 60g

- Test electronic components by magnetic field or electronic magnetic field.
- Like actuator, ignition coil, AC generator, indoor air blower, spark plug, relay and hall effect sensor.
- Description:
  1. Positive and Negative sensor
  2. Two sensitive level indicator: Red LED - Strong; Yellow LED- Weak
  3. LED and Buzzer indication



Cigarette lighter release tool for AUDI



9C2009 100/15.5/16.5/1.0' 153g

- Used for removing 12 volt socket.
- Application:
  Audi A4 (01~), A4 (08~), Q5 (08~), A6 (05~), Q7 (07~)



Relay tester

NEW



88438 12/4/5/0.96' 340g

- This is the device to test 3 popular vehicle relays. The testing result will be displayed by led indication
- Technician is able to use the device to figure out the condition of the relay, and so speculating the problem in the vehicle.
- Power supplied: 12V/24V vehicle battery.
- Support both 4 pin/5 pin relay.
- Problem pin indication.



Dualite high and low voltage trouble shooter



88421 100/5.9/6.9/2.6' 59g

- Checks 6 and 12 volt system, circuit tester & spark plugs tester (two testers in one.)
- On secondary or high voltage circuits check out spark plugs.
- Checks breaks in radio resistant hook ups.
- Pin point minute cracks in distributor caps.
- Use as a continuity tester and check on low voltage circuits.
- Extra long 48-in leads.

Circuit voltage tester

NEW



88423A 100/6/7/3.2' 60g

- Checks 6-24V DC
- Fully shielded indicator bulb.
- Insulated test lead with alligator clip.
- Pointed probe for piercing wires.



Auto battery and charging system analyzer



88424 200/9/10/3.0' 45g

- Checks 12 volt system
- Auto battery analyzer checks batteries, regulators and alternators.
- With LED indicator that helps pinpoint problems for fast troubleshooting.



Cordless circuit tester



88425 60/3.8/4.8/0.78' 63g

- Detects from 3 to 28 volts.
- Safe with ECMs, sensors, transducers, airbags, etc..
- No ground wire or clip required.
- Replaceable long-life alkaline batteries included.



Automotive multi-tester



88426 48/4.1/5.1/1.3' 86g

- Voltage, battery, alternator multi-checker for all 12 V DC systems.
- With a “Magnetic board” on the back side to fix on suitable metal sheet of car easily.
- 6 LED indicators to show battery charge situation and high or low output of alternator.



Auto tester



88427 100/8.4/9.4/3.2' 84g

- Circuit tester with test lead for either passenger car or trucks.
- Checks circuit between 3-48 volt.
- LED display shows polarity.



Heavy duty circuit tester

NEW



88432A 50/10.5/11.5/2.2' 148g

- Check on 6/12/24V DC systems.
- This can be helpful for tracing faults or adding cables to a circuit.
- 5-ft flexible rubber wire with spring relief.
- Heavy duty insulated alligator clip.

Digital circuit tester

NEW



88436 60/11/12/1.5 172g

- Features an easy-to-read LCD digital display which shows the accurate voltage value.
- Compatible with most vehicles including: cars, motorcycles, commercial vehicles, trailers, boats, agricultural machinery and mild hybrid vehicles.
- Suitable for testing on 6/12/24/42/48V DC systems.
- With a spring cable which can be extended to 3m (12ft).



Terminal test kit



919C1 20/13/14/1.62' 650g

- Terminals include Weather-Pack, Metri-Pack, and Micro-Pack style terminals.
- Use this tester to check high and low voltages (power and ground) on 6-24 Volt system.

Contents:

14pc Terminal adapter kit.
1pc Circuit tester, wire length 12 ft.
1pc Banana socket.
1pc Testing needle.
2pc Alligator.

Multi-functional auto circuit tester with LCD display



88444 10/11/12/1.7' 1.1kg

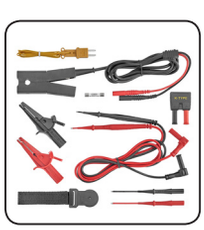
- Checks from 6 V to 24 V system with LCD indicator and LED illumination.
- Four modes can be selected by depressing the mode button and cycling through each one.
- Voltage meter
- Locate missing cylinders.
- Measuring rotational speed
  (Measuring the frequency of the high-tension ignition pulses).
- Peak detection
- Include a cigarette lighter adapter, a hook-up clip, and extension 20ft lead.
- Extension probe (85 mm) included.
- Instruction manual included.




Digital automotive meter

NEW





88445 12/11/12.5/1.6' 844g

- Auto ranging
- Auto power off
- Overload protections
- Safety input jacks
- Safety test leads
- Diode test
- Continuity test
- Data Hold
- RPM: 600-3200, 6000-12000 ± 2%
- Dwell Angle: 4, 5, 6, 8 Cylinders ± 2%
- Duty cycle: 0-90% >100us, <100ms ± 2.0%
- DC Volts: 400mV, 4V, 40V, 400V, 600V ± 1.0%
- AC Volts: 400mV, 4V, 40V, 400V, 600V ± 2.0%
- DC Current: 400uA, 4000uA, 40mA, 400mA, 10A ± 2.0%
- AC Current: 400uA, 4000uA, 40mA, 400mA, 10A ± 2.0%
- Resistance: 400Ω, 4k, 40k, 400k, 4M, 40MΩ ± 1.5%
- Frequency: 10 Hz - 400kHz ± 0.1%
- Temperature: -20°C to 1000°C,
  -4°F to 1832°F ± 2.0% k-Type thermocouple
- Resolution: 1RPM, 0.1mV, 0.1uA, 0.1Ω, 1Hz, 0.1°C, 0.1°F

Multi-purpose connector set







990C1

4/11.2/12.2/2.9' 2850g

- When checking the parts, it could connect the back of terminal directly, would not to damage the circuit or cut the electric wires, reduce the circuit rust and avoid adding impedance.
- Apply to any Automotive Multi-meter, the extended line of prove for oscilloscope. More convenient connection and checking rapidly.
- Variable Resister can simulate the pretend signal of coolant temperature sensor, throttle valve sensor and send the pretend signal to computer.
- Equip 2 sets LED light. It can supervise hall effect, photoelectric signal, nozzle, electromagnetic valve, electromagnetic valve of transmission shift gear…and control signals.
- SRS Connector can simulate airbag and routed contracting device of safety belt to avoid accident or miss-judgment

13pc Probe and test adaptor set



913C1

20/10.3/11.3/1.2' 515g

- Apply to any Automotive Multi-meter, the extended line of probe for oscilloscope.
- More convenient connection and quicker checking .
- When checking the electric current, only use the lines to connect the circuit, do not need to cut the electric wires.
- Various wires in this box, it is suitable for the Europe, America and Japan terminal.



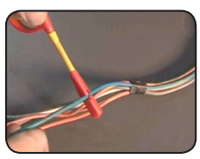
2pc Insulator pierce-through clip



902C1

48/5.1/6.1/2.0' 107g

- Applicative wire diameter: Ø1.5 - Ø4.5
- Voltage range: 0-30 V
- Current load: Max. 5 A



Ratchet terminal tool kit



68013 10/10.4/11.4/1.0' 1060g

- Crimps insulation, non-insulation & open barrel terminals.
- Built-in ratchet with safety release assures uniform crimp every time.
- It releases and opens automatically when crimping is done.
- Applicable:
  Insulated terminal (0.5-1.0/1.5-2.5/4.0-6.0 mm²) (68013-H1)
  Non-insulated terminal (1/2/4/6-10 mm²) (68013-H15)
  Open barrel non-insulated terminal
  (0.5-1.0/1.1-2.5/4.0-6.0 mm²) (68013-H3)
  Cord-end insulated terminal
  (0.5/0.75/1.0/1.5/2.5/4.0 mm²) (68013-H2)

Contents:

1pc Terminal pliers. (6803) (include 1pc 68013-H3)
3pc Die nests. (68013-H1, 68013-H2, 68013-H15)
1pc Wire stripper.
1pc Hex key wrench.

Terminal pliers red, blue, yellow



6801 30/16.2/17.2/1.3' 540g

- For terminal: 

(The terminals are not included.)

Terminal pliers 0.5; 0.75; 1.0; 1.5; 2.5; 4



6802 30/16.5/17.5/1.3' 550g

- For terminal: 

(The terminals are not included.)

Terminal pliers 0.5-1; 1.1-2.5; 4-6



6803 30/15.9/16.9/1.3' 530g

- For terminal: 

(The terminals are not included.)

Crimp lever pliers



6807 30/16.5/17.5/1.3' 550g

- Suitable for RG58, RG59/62, BNC/TNC coaxial connectors
- Size: 0.256 (6.48 mm), 0.319 (8.13 mm),
  0.068 (1.73 mm), 0.213 (5.41 mm)

Terminal pliers 1; 2; 4; 6-10



68015 30/17.1/18.1/1.3' 570g

- For terminal: 

(The terminals are not included.)

Stripper pliers



6804 60/14.3/15.5/1.7' 220g

- Two functions:
  A cutter & a stripper for electrical cables of 0.2 mm² to 6 mm² in diameter.



Multi-functional stripper pliers



6805A

60/20.1/21.1/2.5' 335g

- Remove the layer and cut off the wire of AWG 10 - AWG 24 (0.2-6.0 mm²). The tool will not damage the internal lines but keep the terminal steady.
- Crimp 10-22 AWG (0.5-6.0 mm²) insulated terminals.
- Crimp 10-22 AWG (0.5-6.0 mm²) non-insulated terminals.
- Crimp 7-8 mm ignition terminals.

Multi-purpose crimping tool

NEW



6806A

40/12/13/1.1' 258g

- Wire cutter
- Crimping non-insulated terminals: 1.5, 2.5, 4-6 mm²
- Crimping open-barrel terminals: 0.5, 2.5, 4-6 mm²
- Cutting bolt: M2.5, M3, M3.5, M4, M5
- Crimping insulated terminals: 0.5-1.5, 1.5-2.5, 2.5-6 mm²
- Wire stripper: 0.75, 1.0, 1.5, 2.5, 4.0, 5-6 mm²
  AWG 20-22, 18-20, 16-18, 14-16, 12-14, 10-12

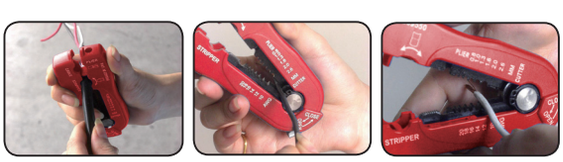
Cable, wire stripper



68011

200/25.5/26.5/3.1' 125g

- Remove the layer and cut off the electrical cable
- For wire 0.8-2.6 mm
- Cable stripper for the wire under 9.5 mm



Cable stripper



6808 100/10/11/1.8' 100g

• Able to strip cable up to 4 mm - 28 mm (dia.).

Cable stripper



6809 100/11/12/2.1' 100g

• Able to strip cable up to 8 mm - 28 mm (dia.).

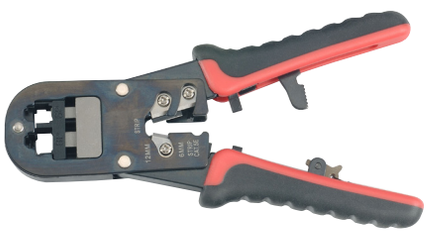
Cable stripper



68010 100/12.5/13.5/2.0' 220g

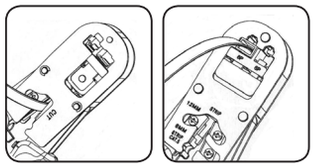
• Able to strip cable up to 4.5 mm - 25 mm (dia.).

Telecrimper



68012 48/20.7/21.7/2' 400g

• Cuts, strips & crimps integral in one tool.
• With built-in length stop for precisely length stripping.
• 2 crimp functions with a single tool without changing dies.
• Advanced ratchet system.
• Precision CNC grounded crimping teeth.
• Crimp RJ45 & RJ11 Modular plugs.



31pc 3/8"DR. Insulated combination set



3313N — 3/12.1/13.1/1.5' — 4000g

	14pc	6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	1pc	Insulated ratchet handle 45teeth (802320N)
	2pc	6" (150 mm); 10" (250 mm)
	1pc	7" (175 mm)
	1pc	6.3" (160 mm)
	1pc	6.3" (160 mm)
	2pc	PH.1 (80 mmL); PH.2 (100 mmL)
	3pc	2.5 mm (75 mmL); 4 mm (100 mmL); 5.5 mm (125 mmL)
	5pc	7; 8; 10; 12; 14 mm
	1pc	Multi-function screwdriver voltage tester 110-250 V AC (88411)

10pc Insulated plier and screwdriver set



51016N — 3/9.1/10.1/1.5' — 3030g

	1pc	Muti-functional stripper pliers (6805A)
	1pc	8" (200 mm)
	1pc	8" (200 mm)
	1pc	8" (200 mm)
	2pc	PH.1 (80 mmL); PH.2 (100 mmL)
	3pc	2.5 mm (75 mmL); 4 mm (100 mmL); 5.5 mm (125 mmL)
	1pc	Adjustable non-contact wire tracer (88407)

15pc Insulated combination set



5157N — 3/11.3/12.3/1.5' — 3758g

	1pc	10" (250 mm)
	1pc	Muti-functional stripper pliers (6805A)
	1pc	8" (200 mm)
	1pc	8" (200 mm)
	1pc	6.3" (160 mm)
	2pc	PH.1 (80 mmL); PH.2 (100 mmL)
	6pc	2.5 mm (75 mmL); 3 mm (100 mmL); 3.5 mm (100 mmL); 4 mm (100 mmL); 5.5 mm (125 mmL); 6.5 mm (150 mmL)
	1pc	Curved 6" (150mm)
	1pc	Multi-function screwdriver voltage tester 110-250 V AC (88411)

17pc 3/8"DR. Insulated socket set

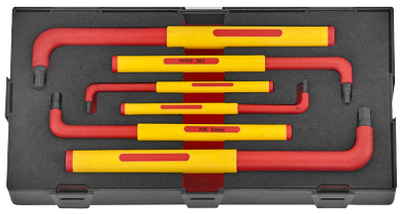


3173N — 10/20.7/21.7/1.97' — 2100g

	14pc	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
	1pc	Insulated ratchet handle 45teeth (802320N)
	2pc	6" (150 mm); 10" (250 mm)

6pc Insulated extra long hex key set

NEW



K50641N 12/9.46/10.46/1.1' 788g

6pc 2.5; 3; 4; 5; 6; 8 mm

9pc Insulated extra long star key set

NEW



K50926N 6/6.9/7.9/0.78' 1152g

9pc T10, T15, T20, T25, T27, T30, T40, T45, T50

Insulated combination pliers



6901225	l		
Part no.	mm-inch	packing	g
6901225	225-9"	30/15.8/16.8/1.5'	528

Insulated bent nose pliers



6902	l		
Part no.	mm-inch	packing	g
6902160	160-6"	60/11.1/12.1/1.9'	185
6902200	200-8"	60/17.4/18.4/1.87'	290

Insulated combination pliers



6903	l		
Part no.	mm-inch	packing	g
6903160	160-6"	60/15.0/16.0/2'	250
6903180	180-7"	60/18.0/19.0/2'	300
6903200	200-8"	60/22.5/23.5/2.1'	375

Insulated long nose pliers



6904	l		
Part no.	mm-inch	packing	g
6904160	160-6"	60/11.1/12.1/1.9'	185
6904200	200-8"	60/17.4/18.4/1.9'	290

Insulated diagonal cutting pliers



6905	l		
Part no.	mm-inch	packing	g
6905160	160-6"	60/14.4/15.4/2'	240
6905180	180-7"	60/20.0/21.0/2.1'	284

Insulated waterpump pliers (Curved jaw)



6907250	l		
Part no.	mm-inch	packing	g
6907250	250-10"	30/16.8/17.8/1.5'	280

Insulated long round nose pliers



6908160	l		
Part no.	mm-inch	packing	g
6908160	160-6"	60/10.2/11.2/1.9'	170

Insulated cable cutter



6909250	l		
Part no.	mm-inch	packing	g
6909250	250-10"	30/15.9/16.9/1.5'	530

Insulated diagonal pliers



6911	l		
Part no.	mm-inch	packing	g
6911180	180-7"	60/15.3/16.3/2'	255
6911200	200-8"	60/17.4/18.4/2'	290

Insulated wire stripper pliers



6912160	l		
Part no.	mm-inch	packing	g
6912160	160-6"	60/11.4/12.4/2'	190

Insulated flat nose pliers



6913160	l		
Part no.	mm-inch	packing	g
6913160	160-6"	60/12/13/1.9'	200

Insulated cable cutter



6914	l		
Part no.	mm-inch	packing	g
6914160	160-6"	60/12/13/2.8'	180
6914200	200-8"	60/18/19/2.1'	300

Multi-functional pliers

NEW



6915220 48/17/18/0.9' 286g

- Gripping
- Wire crimping
- Striping 1.5 & 2.5 mm² cable wires
- Superb cutting function

Insulated phillips screwdriver



711N		l	L		
Part no.	Tip	blade	over	g	pc/box
711N0	PH.0	60	145	32	10
711N1	PH.1	80	190	67	10
711N2	PH.2	100	220	100	10
711N3	PH.3	150	280	186	10

Insulated pozidriv screwdriver



712N		l	L		
Part no.	Tip	blade	over	g	pc/box
712N0	PZ.0	60	145	32	10
712N1	PZ.1	80	190	67	10
712N2	PZ.2	100	220	99	10
712N3	PZ.3	150	280	183	10

Insulated slotted screwdriver



713N		l	L		
Part no.	Tip	blade	over	g	pc/box
713N025	2.5	75	160	31	10
713N03	3	100	185	35	10
713N035	3.5	100	185	38	10
713N04	4	100	210	67	10
713N055	5.5	125	235	85	10
713N065	6.5	150	270	121	10
713N08	8	175	305	196	10

Insulated hex socket driver



744N		l	L		
Part no.	Tip	blade	over	g	pc/box
744N05	5	125	245	122	10
744N06	6	125	245	124	10
744N07	7	125	245	130	10
744N08	8	125	245	133	10
744N09	9	125	245	135	10
744N10	10	125	245	138	10
744N11	11	125	245	160	10
744N12	12	125	245	163	10
744N13	13	125	245	168	10

3/8"DR. Insulated 12pt. flank socket



539...N		l	
Part no.	mm	mm	g
53906N	6	43	28
53907N	7	43	30
53908N	8	43	30
53909N	9	43	30
53910N	10	43	30
53911N	11	43	30
53912N	12	44	30
53913N	13	44	31
53914N	14	44	38
53915N	15	44	47
53916N	16	46	47
53917N	17	46	54
53918N	18	46	58
53919N	19	46	61

3/8"DR. Insulated 6pt. flank socket

NEW



535...M		l	
Part no.	mm	mm	g
53506M	6	44.5	24
53507M	7	44.5	25
53508M	8	44.5	26
53509M	9	44.5	27
53510M	10	44.5	27
53511M	11	44.5	28
53512M	12	44.5	29
53513M	13	44.5	32
53514M	14	44.5	35
53515M	15	46	39
53516M	16	46	41
53517M	17	46	49
53518M	18	46	48
53519M	19	46	53
53520M	20	46	55
53521M	21	46	56
53522M	22	46	64
53524M	24	46	66

3/8"DR. Insulated 6pt. flank deep socket

NEW



53580...M		l	
Part no.	mm	mm	g
5358008M	8	80	49
5358010M	10	80	60
5358012M	12	80	68
5358013M	13	80	73
5358014M	14	80	76
5358017M	17	80	96
5358019M	19	80	110

3/8"DR. Insulated hex socket bit

NEW



334...M	⬡	l	⚖
Part no.	mm	mm	g
33404M	4	64	37
33405M	5	64	38
33406M	6	64	39
33408M	8	64	42
33410M	10	64	52

3/8"DR. Insulated extension



8043...N	l	⚖
Part no.	mm-inch	g
8043150N	150-6"	160
8043250N	250-10"	260

3/8"DR. Locking extension

NEW



8083...M	l	📦	⚖
Part no.	mm-inch	packing	g
808306M	150-6"	100/14.5/15.5/0.6'	140
808310M	250-10"	50/11.9/12.9/0.52'	228

3/8"DR. Insulated ratchet handle 45teeth



802320N	l	📦	⚖
Part no.	mm	packing	g
802320N	200	20/7.86/8.86/0.71'	354

3/8"DR. Insulated quick-release ratchet handle 45teeth

NEW



802320M	l	
Part no.	mm	g
802320M	200	312

3/8"DR. Insulated extension T handle



7743200N	l		
Part no.	mm	packing	g
7743200N	207	50/21.78/22.78/1.7'	400

Insulated open end wrench



829	Size	l	
Part no.	mm	mm	g
82907	7	89	20
82908	8	99	26
82909 NEW	9	107.5	34.6
82910	10	114	40
82911 NEW	11	123	53.6
82912	12	134	61
82913 NEW	13	144	87.2
82914	14	155	96
82915 NEW	15	163	123.2
82916 NEW	16	163	117.2
82917	17	190	147
82918 NEW	18	180	141
82919 NEW	19	180	146.4
82920 NEW	20	194	198.8
82921 NEW	21	194	195.8
82922 NEW	22	194	191.8
82923 NEW	23	224	290.8
82924 NEW	24	224	293.6

Insulated 75° offset ring wrench



829A	Size	l	
Part no.	mm	mm	g
829A07	7	147	52
829A08	8	156	62
829A10	10	167	73
829A12	12	188	90
829A14	14	199	135

Insulated extra long hex key

NEW



764...N		l	l	
Part no.	Tip	short	long	g
764025N	2.5	25	133	15
76403N	3.0	25	133	15
76404N	4.0	35	171	58
76405N	5.0	35	171	58
76406N	6.0	46	216	162
76408N	8.0	46	216	164

Insulated extra long star key

NEW



766...N		l	l	
Part no.	Tip	short	long	g
76610N	T10	25	133	15
76615N	T15	25	133	15
76620N	T20	35	171	58
76625N	T25	35	171	58
76627N	T27	35	171	58
76630N	T30	35	171	58
76640N	T40	46	216	162
76645N	T45	46	216	163
76650N	T50	46	216	163

Fully insulated adjustable wrench



649M	l		
Part no.	mm	packing	g
649M200	200	40/13.6/16.5/1.20'	275
649M250	250	24/15.4/16.9/1.10'	530
649M300	300	16/16.0/17.5/1.05'	852

Insulated adjustable wrench



649N			
Part no.	mm	packing	g
649N200	200	64/18.2/19.2/0.81'	275
649N250	250	32/16.6/17.6/0.70'	505
649N300	300	16/15.4/16.9/1.10'	680

Insulated knife



83001



83002

830			
Part no.	shape	mm	g
83001	Straight	150	145
83002	Curved	150	148

Insulated scissors (with small breach)

NEW



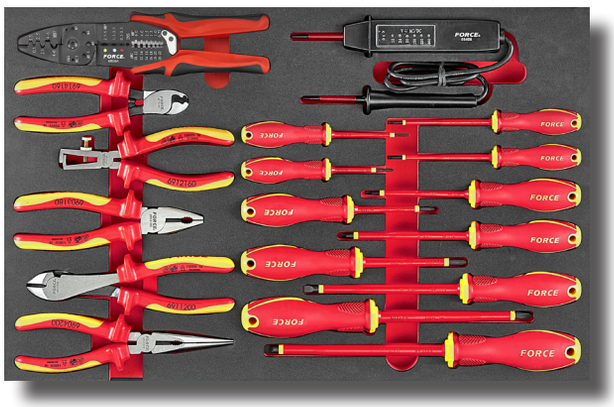
6982M 80/12.7/13.7/3.1' 102g

- Length: 160 mm
- Material: Stainless steel 420
- Surface finishing: Normal polished finish

3/8"DR. Insulated torque wrench



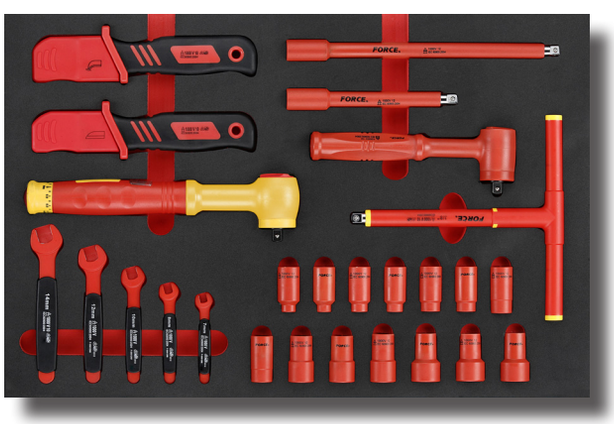
6473268N	Capacity		
Part no.	Nm	packing	g
6473268N	5-25	12/20.4/21.2/1.12'	1700



No.2182N

18pc Insulated screwdriver & pliers set

4pc Insulated phillips screwdriver
PH.0 (60mmL); PH.1 (80mmL); PH.2 (100mmL); PH.3 (150mmL)
7pc Insulated slotted screwdriver
2.5mm (75mmL); 3mm (100mmL); 3.5mm (100mmL);
4mm (100mmL); 5.5mm (125mmL); 6.5mm (150mmL);
8mm (175mmL)
1pc Insulated combination pliers 7"(180mm)
1pc Insulated long nose pliers 8"(200mm)
1pc Insulated diagonal pliers 8"(200mm)
1pc Insulated wire stripper pliers 6"(160mm)
1pc Insulated cable cutter 6" (160mm)
1pc Multi-purpose crimping tool
1pc Universal voltage tester
Testing range: 6~400V AC/DC

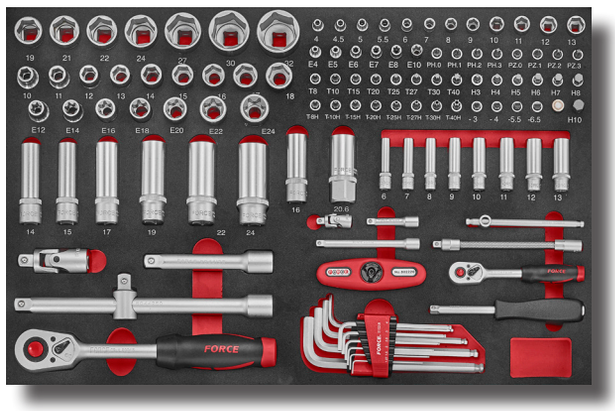


No.3262

26pc 3/8" DR. Insulated socket set

3/8"DR. Part
14pc Insulated 12pt. flank socket
6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
1pc Insulated torque wrench 5-25 Nm, 266mmL (6473268N)
1pc Insulated ratchet handle 45teeth (802320N)
2pc Insulated extension 6"(150mm); 10"(250mm)
1pc Insulated extension T handle 8"(207mm)

Others
5pc Insulated open end wrench
7; 8; 10; 12; 14 mm
1pc Insulated cable knife (straight)
1pc Insulated cable knife (curve)



No.41161

116pc 1/4" & 1/2" DR. Socket set

1/4"DR. Part
12pc 6pt. Flank socket
4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
8pc 6pt. Flank deep socket (50mmL)
6; 7; 8; 9; 10; 11; 12; 13 mm
6pc Star socket E4; E5; E6; E7; E8; E10
35pc Socket bit (32mmL)
Phillips PH.0; PH.1; PH.2; PH.3
Pozidriv PZ.0; PZ.1; PZ.2; PZ.3
Slotted 3; 4; 5.5; 6.5 mm
Hex 3; 4; 5; 6; 7; 8; 10 mm
Star T8; T10; T15; T20; T25; T27; T30; T40
Star tamperproof
T-8H; T-10H; T-15H; T-20H; T-25H; T-27H; T-30H; T-40H
1pc Quick-release pear ratchet handle 20teeth (802215)
1pc T mini ratchet handle 48teeth (802220)
2pc Extension 2"(50mm); 4"(100mm)
1pc Sliding T handle 4.5"(115mm)
1pc Universal joint
1pc Flexible extension 5.8"(145mm)
1pc Magnetic socket pick-up (25mmL)
1pc Spinner 6"(150mm) with 1/4"DR.(F)

1/2"DR. Part
16pc 6pt. Flank socket
10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32mm
6pc 6pt. Flank deep socket (77mmL) 14; 15; 17; 19; 22; 24mm
7pc Star socket E12; E14; E16; E18; E20; E22; E24
2pc Spark plug socket 16; 20.6 mm
1pc Quick-release pear ratchet handle 36teeth (802415)
2pc Extension 5"(125mm); 10"(250mm)
1pc Universal joint
1pc Adaptor for extension 3/8"(F)x1/2"(M)

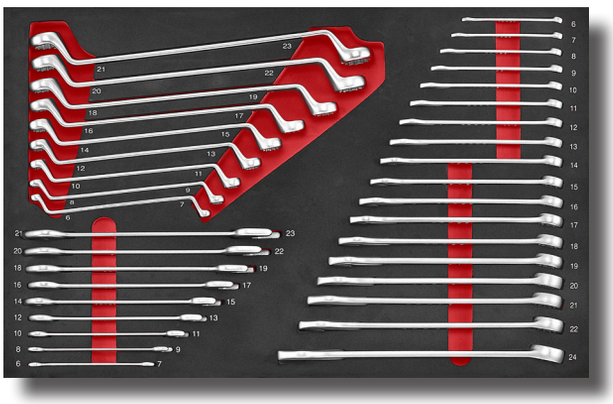
Others
10pc Long hex ball point key (5102LB)
1.27; 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

■ 10217-266

■ 10217B-266

■ 10217R-266

■ 10217A-266



No.5363

36pc Automotive essential wrench set

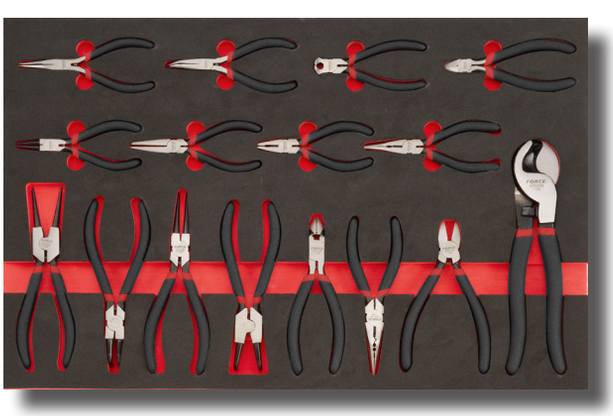
9pc Double open end wrench
6x7; 8x9; 10x11; 12x13; 14x15; 16x17; 18x19; 20x22; 21x23 mm
18pc Combination wrench
6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm
9pc ⬢ 75° Offset ring wrench
6x7; 8x9; 10x11; 12x13; 14x15; 16x17; 18x19; 20x22; 21x23 mm



No.5212

21pc Utility set

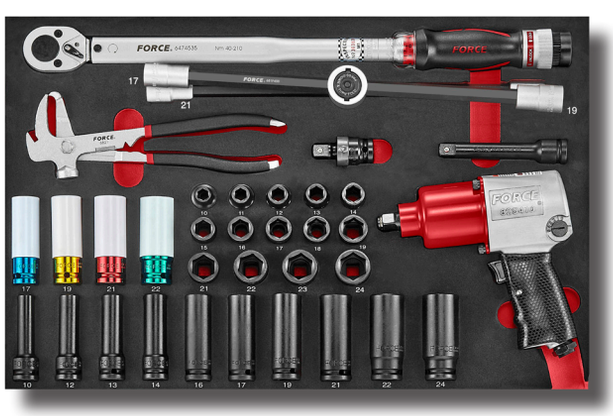
1pc Utility knife (include 3pc blades)
1pc 5m measuring tape
1pc Chisel 12 (150mmL)
2pc Ribbed chisel 21 (150mmL); 26 (200mmL)
1pc Cape chisel (150mmL)
6pc Pin punch
2 (140mmL); 3 (150mmL); 4 (190mmL); 5 (200mmL); 6 (210mmL); 8 (215mmL)
1pc Tape punch 3 (185mmL)
1pc Center punch 4 (185mmL)
1pc Engineer hammer 300gw
1pc Rubber hammer 400gw
1pc 3-in-1 Magnetic flexible pick-up tool with light & mirror
1pc Feeler gauges of 26 sizes (SAE & Metric) (61802)
1pc LED white light, clip-type (360° rotation)
1pc Technician's scissors 145mmL
1pc Gasket scraper



No.51610

16pc Pliers set

1pc Round nose pliers 5"(125mm)
1pc Flat nose pliers 5"(125mm)
1pc Combination pliers 5"(125mm)
1pc Long nose pliers 5"(125mm)
1pc Needle nose pliers 6"(150mm)
1pc Bent nose pliers 6"(150mm)
1pc Cutter pliers 6"(150mm)
1pc Diagonal pliers 6"(150mm)
1pc Snap ring pliers internal 90° bent 7"(180mm)
1pc Snap ring pliers external 90° bent 7"(180mm)
1pc Snap ring pliers internal straight 7"(180mm)
1pc Snap ring pliers external straight 7"(180mm)
1pc 4-in-1 Electrical pliers 6"(150mm)
1pc Diagonal cutting pliers 6"(150mm)
1pc Cable cutter 10"(250mm)
1pc Plastic cutting pliers 6"(150mm)



No.4341

34pc 1/2" DR. Impact socket & Wheel nut tools

14pc ⬢ 6pt. Flank impact socket
10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 23; 24 mm
10pc ⬢ 6pt. Flank deep impact socket (85mmL)
10; 12; 13; 14; 16; 17; 19; 21; 22; 24 mm
4pc ⬢ Colored 6pt. flank deep impact socket (85mmL)
17; 19; 21; 22 mm
1pc Lock torque wrench 40-210 Nm, 535mmL (6474535)
1pc Impact wrench Max. 1566 Nm (825410)
1pc Impact extension (ball type) 5"(125mm)
1pc Impact universal joint (ball type)
1pc Foldable & sliding cross socket wrench
17; 19; 21mm; 1/2" square (400mmL)
1pc Wheel balancing weight tool 10"(245mm)

Adjustable non-contact wire tracer



88407 100/5.4/6.4/1.3' 54g

- Testing range: 12-600 V AC 50-60 HZ.
- Locates breaks along live, insulated wires and power cords.
- Adjustable sensitivity allows tracing of wires behind walls, around switches or receptacle.
- Easy to recognize by audio signal and LED indicator.
- Operates by two LR44, 1.5 V batteries included.

Universal voltage tester



88408 60/8.5/9.5/2.7' 142g

- Testing range: 6-400 V AC / DC.
- This voltage tester is designed for industrial purposes and hobbyists and is suitable for domestic voltage and heavy current circuits.
- Display: ±6, 12, 24, 50, 120, 220
  400 V AC / DC = LED
  (ED): 30 sec
  I max: 30 mA



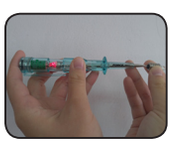
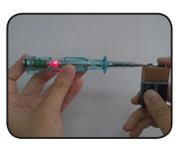

Multi-function screwdriver voltage tester

NEW



88411 120/3.36/4.36/1.6' 28g

- Test for voltage and continuity
- By contact method: 110-250 V AC;
  By non-contact method: 110-600 V AC.
- Operates on two LR44, 1.5 V batteries (included)
- CE, GS certified
- Total length: 135 mm, Stainless steel probe: 40 mmL



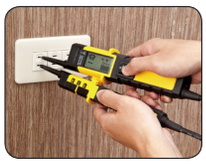
High voltage tester CAT IV 1000V

NEW



88437 12/11/12/2.2' 910g

- Voltage tester to check for checking the high voltage on hybrid/electric vehicles.
- CAT IV 1000V suitable for both DC and AC voltage testing: DC 6-1000 V / AC 24-1000 V.
- LCD display resolution to 1V. Bar graph displays voltage range 6, 12, 24, 50, 120, 230, 400, 690, 1000 V.
- Includes a self test function, illumination light, voltage value display, phase rotation test, polarity indication, continuity test and non-contact voltage sensing.
- Battery: AAA x 2pc (not included)



Cable cutter



6926315 20/14.0/15.5/1.4' 700g

- For cutting copper and aluminum cable up to 100 mm².
- Length: 315 mm.

Cable cutter



6926600 10/17.0/20.5/2.2' 1700g

- For cutting copper and aluminum cable up to 250 mm².
- Length: 600 mm.

Cable cutter



6926800 5/14.5/17.0/1.66' 2900g

- For cutting copper and aluminum cable up to 500 mm².
- Length: 800 mm.

Ratcheting cable cutter



6926R255

30/20.0/21.7/2.0' 667g

- For cutting copper and aluminum cable up to 325 mm^2.
- Length: 255 mm.

Ratcheting cable cutter



6926R280

20/19.6/21.6/1.2' 980g

- For cutting copper and aluminum cable up to 500 mm^2.
- Length: 280 mm.

Ratcheting cable cutter



6926R400

15/25.5/26.5/1.86' 1227g

- For cutting copper and aluminum cable up to 500 mm^2.
- Length: 400 mm.

Terminal crimping tool



68051

30/14.4/18.0/1.4' 480g

- Copper tube terminal range: 1.5, 2.5, 6, 10 mm^2. (DIN)
- Non-insulated terminal range: 1.25, 2, 5.5, 8 mm^2. (JIS)
- Length: 270 mm.

Terminal crimping tool



68052 30/15.6/19.4/1.4' 520g

- Copper tube terminal range: 1.5, 2.5, 6, 10, 16 mm^2. (DIN)
- Non-insulated terminal range: 1.25, 2, 5.5, 8, 14 mm^2. (JIS)
- Length: 298 mm.

Terminal crimping tool



68053 30/23/28/1.66' 767g

- Copper tube terminal range: 6, 10, 16, 25 mm^2. (DIN)
- Non-insulated terminal range: 5.5, 8, 14, 22 mm^2. (JIS)
- Length: 354 mm

Terminal crimping tool



68055 25/22/26/2.1' 880g

- Copper tube terminal range: 6, 10, 16, 25, 38 mm^2. (DIN)
- Non-insulated terminal range: 5.5, 8, 14, 22, 50 mm^2. (JIS)
- Length: 375 mm.

Terminal crimping tool



68056 5/17.7/19.4/1.14' 3540g

- Copper tube terminal range: 16, 25, 50, 70, 95 mm^2. (DIN)
- Non-insulated terminal range: 14, 22, 38, 60, 80 mm^2. (JIS)
- Length: 660 mm.

Terminal crimping tool



68057 5/15.0/16.4/0.64' 3000g

- Copper tube terminal range:
  10, 16, 25, 35, 50, 70, 95, 120 mm^2. (DIN)
- Non-insulated terminal range:
  8, 14, 22, 38, 60, 70, 80, 100 mm^2. (JIS)
- Length: 573 mm.

Terminal hexagonal crimping tool



68071 5/15.5/17.5/1.9' 3100g

- Copper tube terminal range:
  10, 16, 25, 35, 50, 70, 95, 120 mm^2. (DIN)
- Length: 650 mm.

Terminal hexagonal crimping tool



68072 5/15.5/17.5/1.9' 3100g

- Copper tube terminal range:
  25, 35, 50, 70, 95, 120, 150 mm^2. (DIN)
- Length: 650 mm.

Hydraulic terminal crimping tool



68081 1/9.7/10.2/0.74' 9700g

- Designed to accommodate hexagonal, dies of hydraulic tools for applying compression fittings to copper conductors.
- Copper tube terminal range: 50-400 mm^2
- Accessories: 50, 70, 95, 120, 150, 185, 240, 300, 400 mm^2.
- Crimping force: 12T

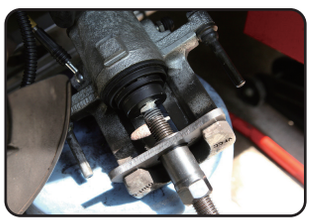
FORCE Professional Tools



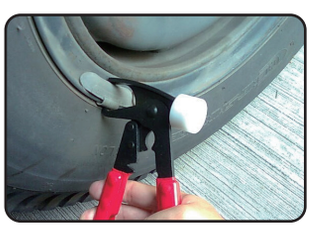


Brake / Transmission

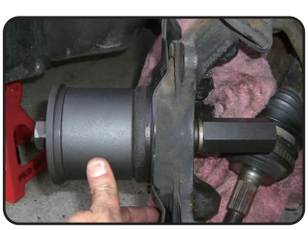
3-1 **Brake tool**



3-22 **Wheel tool**



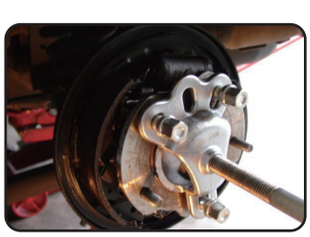
3-36 **Axle bush / Wheel hub tool**



3-45 **Bearing race / Seal driver tool**



3-49 **Axle puller tool**

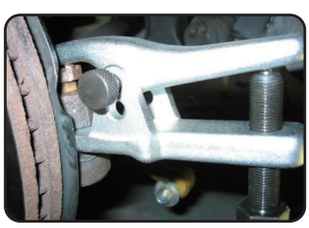


3-50

3-51 **Vibro chisel tool**



3-52 **Ball joint tool**



3-63 **Tie rod tool**



3-65 **Shock absorber tool**



3-71 **Propeller shaft tool**

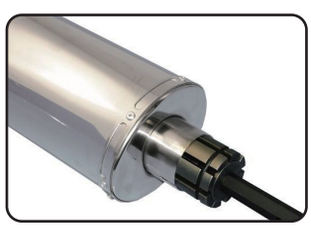


3-74

3-76 **Oil drain machine / Tank**



3-82 **Tailpipe tool**



3-83 **Camber adjustment tool**



3-84 **Transmission tool**



3-88 **Jack**



3-88

6pc Brake spanner set



50612 30/17.8/18.8/1.3' 593g



1pc	6080610	1/4"Sq. - 10mmSq.
1pc	6080810	8mmHex - 10mmHex
1pc	6080911	9mmHex - 11mmHex
1pc	6080607	1/4"Hex - 7mmHex
1pc	6081109	7/16"OE - 11/32"Sq.



1pc	6080608	1/4"Sq. - 5/16"OE

Brake spanner



608

Part no.	Size	l mm	g	pc/box
6080610	1/4"Sq. - 10mmSq.	175	82	10
6080608	1/4"Sq. - 5/16"OE.	175	84	10
6080810	8mmHex. - 10mmHex.	175	82	10
6080911	9mmHex. - 11mmHex.	175	87	10
6080607	1/4"Hex. - 7mmHex.	175	84	10
6081109	7/16"OE. - 11/32"Sq.	175	85	10
6081114	7/16"OE. - 9/16"OE.	175	102	10
6081113	11mmOE. - 13mmOE.	175	103	10
6081011	10mmOE. - 11mmOE.	175	92	10

Drum brake spring pliers



9B0101 36/18.0/19.0/2.5' 500g

- One end hooks on the spring, the floating cap with hooks grips. On the lining fastened to the brake shoe.
- Use for two brake return spring system.
- Can use for most of the commercial and industrial vehicles.

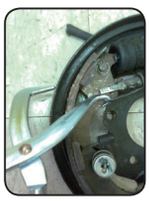


Brake spring pliers



9B0102 48/20.5/21.5/1.5' 371g

- Designed for professional mechanics to remove and replace springs.
- Thin narrow points with “Straight-In-Line” pull on spring.
- Includes special socket for application on all hydraulic brakes.

Handbrake cable spring pliers



9B0104 72/16.4/17.4/1.6' 230g

- For compression of the retaining spring on the handbrake cable.
- This tool allows quick and problem-free removal and installation of the handbrake cable.
- Application:
  VW, Audi, BMW, Citroen, Nissan, Peugeot, Renault, Rover, Seat, etc.



Drum brake spring pliers



9B0105 72/20.0/21.0/1.2' 280g

- Designed to remove the brake return spring.
  One end grips on the brake lining and the other hooks on the spring.

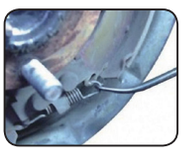


Headlight adjusting & brake spring hook

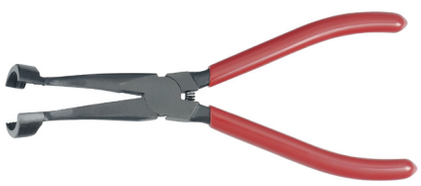


9B0304 120/9/10/1.7' 75g

- This tool made from heat-treated alloy steel is especially designed for removing and installing hard-to-reach headlight adjusting and brake springs.

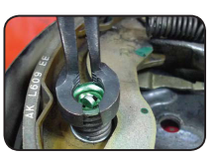


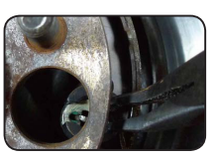
Brake spring washer pliers



9B0107 40/10/11/1.05' 250g

- Universal application for nearly all drum brakes.
- Special neck angle provides easy removal and installation of brake spring washer.
- Length: 180.5 mm.
- Heat treatment: HRC43°~46°.
- Max Angle: 50°.





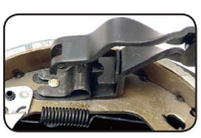
Brake spring pliers



9B0109 72/18.5/19.5/1.6' 230g

- To remove or install the brake shoes, the brake shoe retaining spring must be pre-tensioned.
- Suitable for Mercedes A-Class, Citroen, Renault, Peugeot with Lucas drum brake on the rear axle. Also used on Land Rover, Ford, Honda, etc.



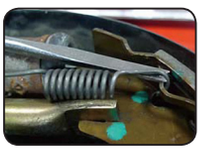


Brake spring tool



9B0108 20/9.5/10.5/2.0' 375g

- Universal application of both removal and installation for nearly all drum brakes.
- Wide angle application.
- Length: 310 mm.
- Heat treatment: HRC 42°~45°.

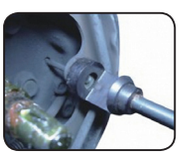


Retainer spring compressor



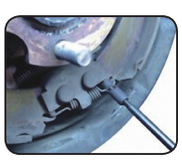
9T0202 96/13.9/14.9/2' 140g

- Allow fast & easy removal & replacement of brake shoe hold-down springs.



Retainer spring tool





9T0203 72/7.3/8.3/1.3' 101g

- For removal and installation of retaining springs on such drum brakes where the brake pads are not fixed onto the anchor plate.
- Therefore the retaining spring will be inserted into the hook head of the tool and will be tightened by winding the handle.
- The installation happens by pulling the retaining spring with the tool into the correct position.

4pc Drum brake piston locking pliers set



904B1 48/16.5/17.5/3' 344g

- Set of four pliers for locking drum brake pistons.
- Both ends hold pistons in cylinders, making it easier to replace jaws.
- When the drum brake is taken off, it can prevent the piston oil from returning and thus avoid the piston damage.



Brake shoe adjustment tool



9B1701 80/11.2/12.2/0.96' 190g

- Can be used for most of cars.
- Make adjusting easy even for strong springs.



Tire tread depth gauge with LED buzzer reminder



9B1803 48/12.0/13.0/1.2' 250g

- This is a newly-designed tire tread depth gauge. It has an indicator bar that checks for measurement.
- The contact tip is profiled to work in narrow space between treads.
- This tool warns you when the tire tread is not deep enough to use this tire again, by beeping and with LED lit up, so that you get the warning message without fail.
- You can set the gauge at measuring mode and then put the tip to tire tread.It's easy to get the tire tread depth without the need to stop your work to read the gauge hard.



Multi-function measuring tool

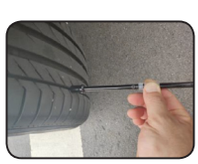
NEW



9T0109 20/2.1/2.9/0.88' 60g

- Used for checking thickness of brake pads and brake disc, or depth of tire thread.
- Long-body design making measurement possible without disassembling the wheels and brake calipers.







8pc Manual brake gauge set





908B2 72/18/19/1.7' 250g

- The brake gauge tool is designed to give customers an accurate measurement of how much brake lining is left without guess work.
- Most state agencies require that the customer be notified of how much brake lining is left in order to suggest that the lining should be replaced.
- The technician must refer to the OEM manufacturer specifications to determine if the lining is worn below minimum specifications.
- Size including:
  Red (Bad): 2 mm (0.0787"); 3 mm (0.1181")
  Yellow (Dangerous): 4 mm (0.1575"); 5 mm (0.1969"); 6 mm (0.2362")
  Green (Good): 8 mm (0.3150"); 10 mm (0.3937"); 12 mm (0.4724")

Brake lining gauge



9B1801 72/12.5/14.0/1.4' 173g

- Measures brake lining from o to 1/2" in 1/64" graduations.

Instructions:

- Apply jaws to brake shoe. Keeping jaws on shoe, move the indicator arrow to “O”. This will automatically subtract the shoe thickness from the total measurement.
- Apply jaws to shoe and lining. The arrow will indicate the amount of lining remaining.



Tire tread and brake lining gauge



9B1802 120/12.0/13.0/1.1' 100g

- Used to measure the amount of lining remaining on riveted and bonded drum shoes and disc brake pads.
- Measures tire tread depth up to 9/16" in graduations of 1/64".
- Checks pads without having to remove caliper completely.



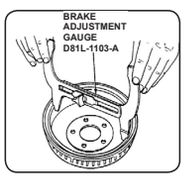
Brake shoe adjustment gauge

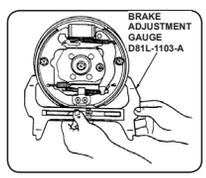


9T0107

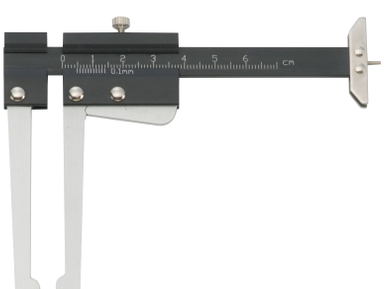
36/23/24/1.6' 630g

- Measures clearance between brake drums and shoes with diameters from 160 mm to 365 mm.
- Works on most small cars with drum brake prior to assembly.
- Inside calipers measure drum diameter.
- Outside calipers show the measurement of brake shoes.





Gauge for brake disc depth & tire tread



9T0106

240/15/16/1.2' 40g

- Handy, easy to use.
- Special device to fix the value you obtain while measuring the thickness of brake disc.
- Brake disc measure range: 0-60 mm.
- Measure tyre depth.
- Aluminum made.



Brake disc run-out checking kit

NEW



903T9

5/7.55/8.2/0.8' 999g

- Check for ball joint wear and brake disc run-out quickly and easily.
- Locking pliers secured to any convenient position enables DTI gauge to be placed against brake disc.



Brake disc remover tool

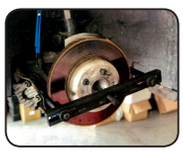
NEW



9T0108

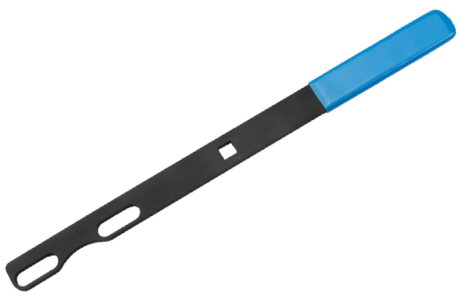
5/15/16/1.3' 3000g

- No hammering shock effect on the wheel bearing, electronic sensors, suspension, ball-joint etc.
- The auto adjust jaw let you install the tool easily, quickly, and safely.
- Range: 170-400 mm.



Wheel hub holding tool

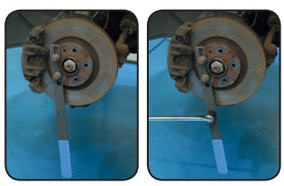
NEW



9T0318

50/27.7/28.7/0.77' 553g

- Used to hold the wheel hub in place while the axle nut is removed / installed or during wheel bearing service.
- 1/2" square drive for breaker / extension bar.
- Works on vehicles with wheel stud bolt patterns ranging from 4 x 100 mm (4") to 8 x 170.3 mm (6.7").



Brake disc rust removal tool set

NEW



902T6

10/9.4/10.4/1.7' 996g

- To remove the rust, corrosion, and lip buildup around the edge of brake discs and hubs.
- Simply fix the handle on the brake disc with the original wheel bolt, hold the scraper on the disc edge, and rotate the handle to remove the rust and corrosion.
- The scraper is able to remove the old silicone on oil pans, carbon buildup on exhaust manifolds etc.
- Finely ground carbide double edges scrape residues off without eaving a damage on the surface.
- Premium tungsten carbide tip remains sharp for an extended period of time.

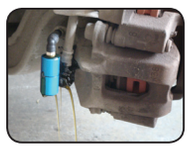


Brake air-leaking valve



9B3501 60/4.6/5.1/0.64' 70g

- Designed to release air bubbles inside slave cylinder after replacement to make safe, efficient braking.

Brake fluid tester and bleeder tool set



906T7 10/7.3/8.3/1.2' 730g

- Ideal for bleeding brake system and hydraulic clutch system without removing the wheels.

Contents :

4pc Brake bleeder wrench 8 mm, 9 mm, 10 mm, 11 mm
1pc 1.2 M silicon hose with check valve
1pc Brake fluid tester



Brake bleeder wrench

NEW



9T07

Part no.	size	mm	g	color
9T0707	7	120	46	
9T0708	8	120	46	
9T0709	9	120	46	
9T0710	10	120	46	
9T0711	11	120	46	
9T0712	12	120	46	



- Built-into-one wrench & socket make the loosening and tightening convenient and easy.
- Ideal for bleeding brake system and hydraulic clutch system without removing the wheels.
- For universal bleeder nipples.
- Internal seal of high quality material for long life.

12V Brake fluid exchange machine

NEW



903T10 1/7/8/2.1' 6340g

- Forced drain function to allow the machine to work with different brake fluid specs.
- Pulsating effect to clean debris in brake system effectively.
- Self purge function is included to prevent air bubble from being introduced into the brake system.
- Automatic shut-off when brake fluid level runs low.
- Buzzer beeps when brake fluid runs low fluid volume.
- Uses car battery as the power source, increasing working flexibility.
- Unique 100% transparent and brake fluid resistant 2 liter tank allows users to see the remaining brake.
- Working Pressure: 1 ~ 2 bar / 14.5 ~ 29 psi.
- Powered by DC-12V

7pc Brake bleeder adapter set

NEW



907T9 10/18/19/2.9' 1908g

- Designed for applications on master cylinder reservoirs from 2001 to today.
- Adapters with a standard european air plug type, suitable for pressure bleeding tools or machines.
- Most adapters have a swivel 90° fitting to tackle limited space problems.
- Applicable:
  Audi, BMW, Chrysler, Citroen, Dodge, Fiat, Hyundai, Jaguar, Jeep, Kia, Land Rover, Mazda, Mercedes-Benz, Mitsubishi, Nissan, Opel, Peugeot, Renault, Toyota, Volkswagen, and Volvo



Brake pressure bleeder adapter set for TESLA

NEW



902T5 20/9.6/10.6/1.07' 524g

- Kit specially designed for performing power brake bleeding on Tesla vehicles.
- Metallic adapter holds pressure up to 2.5 BAR/ 36 PSI.
- Applicable: Tesla Model S, X, 3 and Y



Universal brake pressure bleeder adapter (Claw Type)

NEW



9B3502 15/7.7/8.7/0.48' 514g

- Brake refilling adapter with a 90° rotating coupling fits almost all vehicles on the market.
- Fits master cylinder fill neck between Ø26-79 mm / 1.0"-3.1".
- Maximum pressure up to 3.5 bar / 50 psi.



Brake fluid tester



88502 100/7.0/8.0/1.5' 70g

- To check the quality of brake fluid.
- 5 LED to indicate the percentage of water in the brake fluid.
- Application:Brake fluid DOT 4
- LED display:
  Green: Battery OK / NO water is detected.
  Green / Yellow: Less than 1% of water.
  Green / Yellow / Yellow: Approx. 2% of water.
  Green / Yellow / Yellow / Red: Approx. 3% of water.
  Green / Yellow / Yellow / Red / Red: At least 4% of water.



Brake fluid tester



88503 100/8.6/9.6/1.8' 86g

- To check the quality of brake fluid.
- 5 LED to indicate the percentage of water in the brake fluid.
- Suitable for DOT3, DOT4, DOT5.1 and 5 different brands: AC Delco, Pennzoili, Prestone, Motorcraft, Toyota.
- LED display:
  Green: Battery OK / NO water is detected.
  Green / Yellow: Less than 1% of water.
  Green / Yellow / Yellow: Approx. 2% of water.
  Green / Yellow / Yellow / Red: Approx. 3% of water.
  Green / Yellow / Yellow / Red / Red: At least 4% of water.



Master cylinder pressure test kit (brake & clutch)



914B2 6/8.7/9.7/1.54' 1440g

- Verify master cylinder operation.
- You can check the following problems : bypassing and internal leaks, restricted compensating ports, improper push rod adjustment and power booster problems.
- One 0-3,000 PSI gauge, 11pc adaptors, one 90° elbow fitting, one 45° elbow fitting.



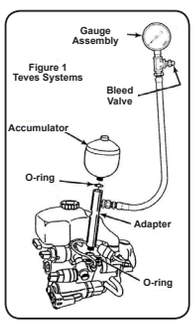
Deluxe brake pressure test kit



924B2 3/10.1/11.1/1.5' 3370g

- Kit contains a complete set of fittings and gauges for pressure testing ABS and conventional brake systems on Chrysler, Ford, GM, Jeep, and import vehicles.
- Dual scale dial-standard scale 0-3,000 psi and metric scale 0-200 kg/cm². 4,500 psi rated pressure hose assembly.
- Includes 20-piece adaptor,
  one 90° elbow fitting,
  one 45° elbow fitting.





Brake calliper guidance thread repair set



914B1 36/17/18/1.2' 470g

- For repairing the guide pin threads in the wheel bearing housing.
- With disassembly of guide pins while changing the brake pads the internal threads are frequently destroyed.
- The defective threads are repaired professionally and quickly with a heavy duty rustproof high-grade steel threaded bush.
- Applicable: VW, Audi



5pc T-handle with reamer for ABS sensor



905T9 48/12/13/1.2' 250g

- A specifically-designed reamer set complete with 1/4" Drive T-bar handle and complete with 4 popular-sized reamers.
- Reamer size:
  14 x 42.5L BMW E38 / E39 / E52 / E60 / E61 / E63 / E64 / E65 / E66 / E67 / E70 / E71
  15 x 33.5L Mercedes Benz A-class, Mazda ,Toyota and Ford
  18 x 31.5L VW, Audi, Seat, Skoda, BMW E36 + E46
  18 x 42.5L VAG and NFZ



3pc 1/2"DR. Pentagon socket set



4036 60/14.8/15.8/0.5' 246g

- 1-Pentagon socket bit 10 mm (55 mmL) (65001)
- 2-Pentagon socket: 14; 19 mm (65014, 65019)
- For using on girling and bendix brake systems.
- Application:
  Opel / Vauxhall (Astra G, Zafira), Smart, Ford, Mazda, Peugeot, Renault

1/2"DR. Pentagon socket 14mm / 19mm



65014



65019

650	⬠	*l*		
Part no.	size	mm	packing	g
65014	14 mm	38	100/8.0/9.0/1.1'	67
65019	19 mm	38	100/9.8/10.8/1.1'	85

- 14 mm: for pentagon brakes on rear brake, Opel Astra G, Zafira, Smart
- 19 mm: for Bendix brakes, Citroën, Peugeot, Renault

1/2" Pentagon socket bit 10mm side



65001				
Part no.	bit	mm	g	pc/box
65001	10 mm	55	94	10

- Application on girling brakes.

Calipers brake pad screw socket for PORSCHE & AUDI



9B0402 200/12/13/0.96' 60g

- 1/2"DR. x 9 mm x 38 mmL (10 point)
- For removal of the calipers brake pad screw for Porsche Cayenne / Audi Q7



Caliper brake pad socket 15mm x 10pt.

NEW



9B0402A 200/9/10/1.2' 45g

- Application:
  Audi Q7, S8 and Porsche Macan, Cayenne, Cayman
- 3/8"DR. 30 mmL
- CR-V, black



Caliper brake pad socket 20mm x 10pt.

NEW



9B0402B 200/16.4/17.4/1.2' 82g

- Application: Audi A8, S6 and Porsche Cayenne
- 1/2"DR. 38 mmL
- CR-V, black



1/2"DR. 10pt. Socket MS20 (38mmL)

NEW



9T0211 200/17.6/18.6/1.2 88g

- Special design for tackling the screws on the rear torque frame of HONDA CR-V.
- Size: 1/2"DR. 10pt. Socket MS20 (38mmL)



Brake caliper file



65816 72/15/16/2' 208g

- For removing dust, rust and dirt from brake Calliper groove.
- Width: 10 mm
- Length: 270 mm

Disc brake pad spreader



9B0401 24/8/9/2' 280g

- Designed for quick and easy changing of disc brake pads.
- Spreader will compress inner pad and reset piston for easy pad replacement in heavy-duty construction.



Disc brake adjuster



62901 20/22.1/23.1/1.3' 1100g

- Fits in brake caliper to push back pistons for new brake pads installation.



Disc brake piston compressor (4 pistons)



62902 8/13.4/14.4/1.1' 1675g

- Special wider pusher design to use on 4 pistons vehicle.
- Max. working range: 88 mm
- Applicable: Benz, BMW, and 4 pistons vehicle.



Gearless brake caliper pressing tool

NEW



903T7 5/13.2/14.2/0.86' 2588g

- Centrally located gearless ratchet for use in tight spaces.
- Evenly spreads in a parallel manner to prevent misalignment of pistons.
- 3 sets of changeable pads for 1, 2, 4, 6 and 8 multi piston calipers.
- Application:
  Pad sets: 90 mm x 60 mm for 1 & 2 pistons
  148 mm x 60 mm for 4 pistons
  180 mm x 60 mm for 6 & 8 pistons



Brake piston wind back pads



903B1 24/7/8/2.0' 245g

- Brake pad range: 0-100 mm.
- The pad open jaw: 10-90 mm.

2&3 Pin brake piston rewind tool (clockwise / counterclockwise)



907B1 20/13.4/14.4/1.0' 660g

- This tool kit allows you to rewind the pistons in brake calipers.
- It does this by allowing the rotation of the piston at the same time as pushing the piston back into the caliper.
- Spindle spanner for right and left according to the factory operation.
- The correct parts to fit nearly all cars including Alfa Romeo, Audi, Citroen, Ford, Honda, Jaguar, Land Rover, Mazda, Mercedes, Mini, Mitsubishi, Nissan, Lancer, Toyota, VW, Volvo, Vauxhall and others!



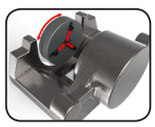
3pc Brake adaptor set (adjustable)



65821 48/15.2/16.2/0.84' 316g

- Two adjustable brake caliper rewind adaptors - 2 pin and 3 pin.
- Includes magnetic 2 pin drive to 3/8"DR. adaptor.
- Adjustable 2 pin adaptor fits 100s of cars.
- Adjustable 3 pin adaptor only to be used with Electronic Park Brake (EPB) tools.
- Applications include: Audi, BMW, Iveco Daily, Renault, Range Rover Evoque, Seat, Volkswagen, Volvo





Brake caliper rewind tool kit



909T6 10/16.9/17.9/1.2' 590g

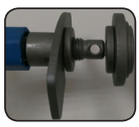
- Professional reset of the rear axle and front axle brake pistons.



Contents :

1pc Two-way speedy brake adaptor driver
1pc 3-pin Adjustable brake adaptor (rear axle)
1pc 2-pin Adjustable brake adaptor (rear axle)
1pc Pressure turn device
1pc Reaction plant
1pc Brake adaptor (front axle)
3pc Brake caliper pin punch 4; 5; 6 mm





Disc brake service kit



912T6 3/13.8/14.8/1.5' 4600g

Contents :

1pc Two-way speedy brake adaptor driver
1pc 3-pin Adjustable brake adaptor (rear axle)
1pc 2-pin Adjustable brake adaptor (rear axle)
1pc Pressure turn device
1pc Reaction plant
1pc Brake adaptor (front axle)
3pc Brake caliper pin punch 4; 5; 6 mm
1pc Flat file for brakes
1pc Magnetic base
1pc Dial gauge
1pc Gauge for brake disc depth & tire thread









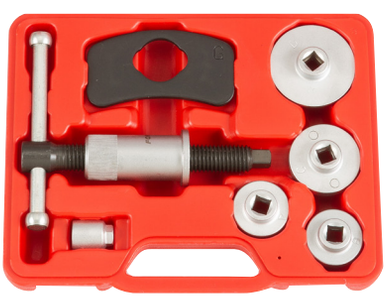
27pc Brake piston wind-back set



927B1 6/26/27/1.8' 4340g

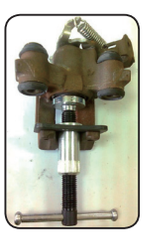
- This tool has been designed to drastically reduce the time taken when dismantling brakes.
- Will not mark or damage the working part of piston.
- Removes frozen pistons with ease.
- Applicable:
  Alfa Romeo, Citroen, Fiat, VW, Audi, Ford, Rover, Lincoln, Nissan, Subaru, Honda, BMW, Mitsubishi, Toyota, Peugeot, Opel, Renault, Jaguar, Mazda, Volvo, Vauxhall, Saab, Lancia

7pc Brake caliper piston tools set

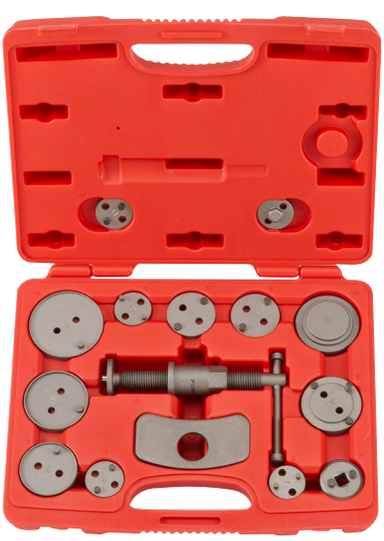


658 12/16.3/17.3/1.3' 1360g

- Kit comprises main body, screw assembly, special locating plate and 5 adaptors covering wind-back.
- Applicable:
  VW, Audi, Ford, Peugeot, Rover, Nissan, Subaru, Honda, BMW, Mitsubishi, Toyota, Jaguar, Mercedes, Mazda.

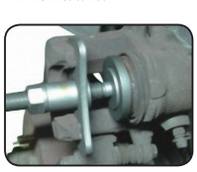


13pc Disc brake park caliper tools set



65802 10/20.1/21.1/1.8' 2kg

- For rotating pistons back into the caliper to provide clearance for new pads. Include 11 adaptors (available individually) for use in both 2 and 4-wheel rear disc brake assemblies of most domestic and import cars. The tool may be used “on” and “off” the car.
- Suitable for:
  Mercedes, BMW, VW, GM, Audi, Ford, Honda, Subaru, Mazda, Nissan, Mitsubishi, Toyota, Rover, 4WD, Opel, Renault.



18pc Universal caliper wind back kit



65805 10/25.5/26.5/1.87' 2417g

- Two bodies with postive thread and negative thread for different vehicles.
- With one plate and fifteen adaptors to fit most of the cars.
- Applicable:
  Citroen, Audi, Fiat, Ford, Isuzu, Honda, Jaguar, BMW, Nissan, Mitsubishi, VW, Saab, Mazda, Toyota ...etc.



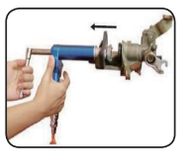
16pc Air powered brake caliper wind back tool set



65815 5/15.7/16.7/2.0' 3140g

- Air pressure:
  The range of normal using pressure is 5-8 kg/m^2;
  maximal using pressure is 14 kg/m^2.
- Applicable:
  Citroen, Audi, Fiat, Ford, Isuzu, Honda, Jaguar, BMW, Nissan, Mitsubishi, VW, Saab, Mazda, Toyota ...etc.





Brake caliper tool



65803 30/21/22/0.9' 700g

- For rewinding the piston in all collets type disc brake calipers with built-in parking mechanism.
- Essential for fast and easy pad replacement and caliper servicing.
- Suitable for:
  Ford, Honda, Jaguar, Mazda, Mitsubishi, Nissan, Rover, Subaru, Toyota, with ABS.



Disc brake park caliper tool



65804 24/16.6/17.6/3.0' 691g

- This tool set is a "must" when installing new brake pads on vehicles with 4 wheel disc brakes.
- Rotate the tool on the parking brake actuator to retract the piston.
- Works on most GM vehicles with 1-1/2" brake pistons, most Ford vehicles, Pontiac Fiero, and imported vehicles.



Universal caliper piston remover



907T3 18/18/19/1.8' 1000g

- Quick change design for 3 sizes of adapter
- Rang from 25 mm to 35 mm
- Adapter a. range from 35 mm to 45 mm.
- Adapter b. range from 45 mm to 55 mm.
- You can easily take out the piston with assistant handle.



Rim wrench



677		O.D.	l		
Part no.	size	mm	mm	g	pc/box
6771921	19 x 21	16	300	1000	5
6771924	19 x 24	16	300	1020	5
6772123	21 x 23	16	300	1100	5
6772224	22 x 24	19	400	1300	5
6772427	24 x 27	19	400	1320	5
6772432S	15/16" x 1-1/4"	19	400	1330	5
6772730	27 x 30	19	400	1330	5
6772732	27 x 32	19	400	1380	5
6772733	27 x 33	19	400	1400	5
6772833	28 x 33	19	400	1410	5
6773032	30 x 32	19	400	1440	5
6773033	30 x 33	19	400	1440	5
6773233	32 x 33	19	400	1495	5
6773238	32 x 38	19	400	1535	5



677		O.D.	l		
Part no.	size	mm	mm	g	pc/box
6773821	38 x 21sq.	25	400	1520	5
6773822	38 x 22sq.	25	400	1520	5
6774119 NEW	41 x 19sq.	25	400	1900	2
6774121	41 x 21sq.	25	400	1550	2
6774121L	41 x 21sq.	25	450	1800	1

Wrench bar



677	O.D.	l		
Part no.	mm	mm	packing	g
67701	19	630	15/21.0/22.0/0.32'	1400
67702	25	630	10/24.0/25.0/0.32'	2420
67701400	19	400	25/22.0/23.0/0.20'	890
67703	16	400	30/18.9/19.9/0.20'	630

Foldable & sliding cross socket wrench

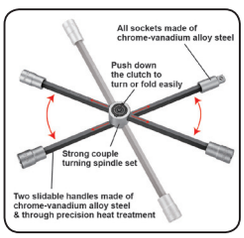
NEW



681F400

12/15.6/16.6/0.84' 1300g

- Foldable: easy to carry and store.
- Sliding: creates adjustable lever arm to increase power.
- Socket size: 17; 19; 21mm & 1/2"SQ.DR.
- Length: 400 mm





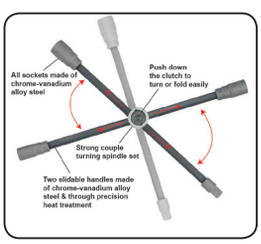
Double power lug wrench

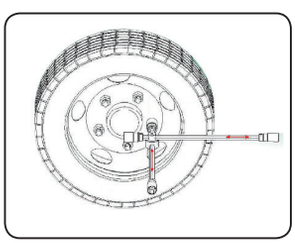


681600

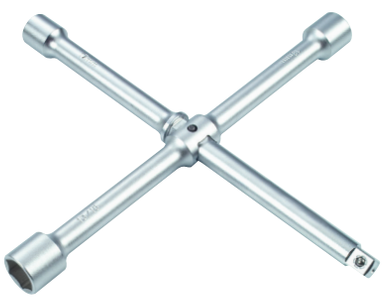
6/20/20.5/0.84' 3400g

- Foldable: easy to carry and store.
- Sliding: increase power.
- Deep sockets.
- Socket size: 24; 27; 32mm & 3/4"SQ.DR.
- Length: 600 mm





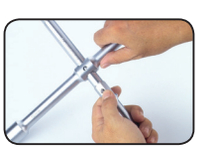
Assembly wheel nut wrench



681A300

20/22.2/23.2/0.63' 1110g

- 17 mm; 19 mm; 13/16"; 1/2"DR. (300 mmL)
- Chrome vanadium alloy steel
- For most car wheel nuts in metric
- Polished, chrome plated



Wheel nut wrench



681B400 12/18.6/19.6/0.97' 1550g

- 17; 19; 21; 22 mm with 1/2"DR. Adapter (400 mmL)
- Chrome vanadium alloy steel
- For most car wheel nuts in metric
- Polished, chrome plated



1/2"DR. Quick power wheel nut ratchet handle



681D515 10/23/24/1.1' 2300g

- Removes stubborn wheel nuts quickly and easily.
- Torque multiplier increases torque by 3.5 by using the lever arm.
- The lever arm should never be used to tighten nuts due to the possibility of over tightening.
- Length: 515 mm



9pc 1/2"DR. Wheel specialized torque tool set



64707 1/13.5/14.5/1.4' 13.5kg

	3pc	44585 17C...21C	Wheel nut 6pt. flank deep impact socket 17; 19; 21 mm (85 mmL)
	1pc	6474088N	Torque wrench 88 Nm
	1pc	6474108N	Torque wrench 108 Nm
	1pc	6474135N	Torque wrench 135 Nm
	1pc	6474163N	Torque wrench 163 Nm
	1pc	6474190N	Torque wrench 190 Nm
	1pc	681A300	Assembly wheel nut wrench 17; 19; 13/16"; 1/2"DR. (300 mmL)

Mini torque multiplier

NEW



65108 / 65109

Part no.	Drive	Torque Ratio	Max. Input	Max. Output	
			Nm/Ft-lb	Nm/Ft-lb	kg
65108	1/2"(F) x 1/2"(M)	1 : 3.4	176 / 127	600 / 443	1.1
65109	1/2"(F) x 3/4"(M)	1 : 3.4	235 / 173	800 / 590	1.1


Remover

- Energy-saving tool for tire changing of car and van.
- Small size, light weight, easy to carry & store.
- Supplied with the rubber-covered reaction bar for tire rim protection purpose.
- Accuracy: ±5%.

Power quick-changing wheel nut set

NEW



911T2

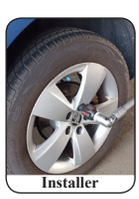
3/14.0/15.0/1.2' 4666g

- Energy-saving tool designed for car wheel changing.
- Without impact or compressor needed.

Contents:

1pc Torque multiplier head
Max. Output: 600 Nm, Ratio 1:3.4
1pc Rubber-covered reaction bar
2pc Multiplier output driver 1/2"(M), 3/4"(M)
1pc Digital torque adapter 40-350 Nm
4pc 1/2"DR. 12pt. Flank impact socket 17, 19, 21, 22 mm
1pc 1/2"DR. Adjustable swivel ratchet handle 24teeth
1pc Impact adapter 1/2"(F) x 3/4"(M)


Remover


Installer

1/2"DR. Wheel nut 6pt. flank deep impact socket w/plug





445120		l		
Part no.	size	mm	g	pc/box
44512017	17	120	264	10
44512019	19	120	306	10
44512021	21	120	348	10

3pc 1/2"DR. Colored 6pt. flank deep impact socket set



4032 24/18.9/19.9/1.1' 808g

3pc	17; 19; 21 mm (85 mmL)

3pc 1/2"DR. Thin-wall 6pt. flank deep impact socket set



4032TH 24/18.2/19.2/1.1' 800g

3pc	Thin-wall 17; 19; 21 mm (85 mmL)

3pc 1/2"DR. Wheel nut 6pt. flank deep impact socket w/plug



4037 20/18.8/19.8/0.5' 940g

3pc	17; 19; 21 mm (120 mmL)

3pc 1/2"DR. Colored 6pt. flank deep impact socket set



4033 20/25/26/1.3' 1435g

3pc	17; 19; 21 mm (150 mmL)

3pc 1/2"DR. Hydraulic dual torque impact socket set



Socket

4035 12/14/15/0.58' 1250g

- Designed for fastening the lug nut quickly and securely.
- It includes 1/2"DR. 17, 19 and 21 mm for ultra thin type.
- Torque range: 115 Nm±6% (85 ft/lbs±6%)
- Set up the working air pressure at 90 Psi. (6.2 bar; 6.3 kg/cm^2; 62 pa), and ensure the power deliver of the impact wrench between 190-210 Nm. (140-155 ft/lbs)

Loosen Tighten



4pc 1/2"DR. Hydraulic dual torque impact socket set



Socket

4045 12/19.6/20.6/0.75' 1583g

- Designed for fastening the lug nut quickly and securely.
- It includes 1/2"DR. 17, 19, 21 and 22 mm for ultra thin type.
- Torque range: 115 Nm ±6% (85 ft/lbs ±6%)
- Set up the working air pressure at 90 Psi. (6.2 bar; 6.3 kg/cm^2; 62 pa), and ensure the power deliver of the impact wrench between 190-210 Nm. (140-155 ft/lbs)

Loosen Tighten



4pc 1/2"DR. Colored 6pt. flank deep impact socket set



4046 12/13.2/14.2/0.75' 1266g

4pc	17, 19, 21, 22 mm (85mmL)

4pc 1/2"DR. Colored 6pt. flank deep impact socket set



4046A 12/12.3/13.3/0.75' 1141g

4pc	15, 17, 19, 21 mm (85 mmL)

4pc 1/2"DR. Colored 6pt. flank deep impact socket set



4046B 12/13.5/14.5/0.75' 1333g

4pc	17, 19, 21, 23 mm (85 mmL)

11pc 3/4"DR. Truck wheel deep impact socket set (S&M)



6113 3/27.5/28.5/1.2' 9150g

2pc	17; 21 mm (90 mmL)
1pc	13/16" (90 mmL)
4pc	33; 35; 38; 41 mm (100 mmL)
4pc	1-1/16"; 1-1/8"; 1-1/4"; 1-1/2" (100 mmL)

7pc 1/2"DR. Wheel lug nut removal socket set



907U5 20/18/19/1.6' 900g

- For removal of wheel locking nuts.
- May also be used on fixings too damaged or corroded for standard sockets.
- Suitable for use with impact wrenches.
- Size:
  1/2"DR. x 38 mm(L) x 17 mm, 18.5 mm, 20 mm, 21.5 mm, 23 mm, 24.5 mm, 26 mm





9pc Wheel lock removal impact socket set

NEW



909T7 12/17.5/18.0/1.4' 1450g

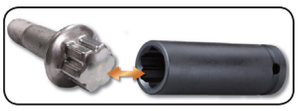
- This set will remove and replace most locking wheel nuts / hub cap locks on GM, Ford, Chrysler.
- Removes and replaces hub caps without causing damage or distortion to the original cap.
- Suitable for American vehicles.

Wheel nut socket for Mercedes Benz



9T0206 50/10/11/0.5' 215g

- 17mm wheel nut socket with convex for Mercedes Benz
- Application:
  Mercedes Benz 221 (S-Class) and later CL-Class and Maybach



1/2"DR. Impact socket MS21, 85mmL for KIA and HYUNDAI

NEW



9T0208 100/27.5/28.5/1.5' 253g

- Suitable for wheel nuts with special profile 21 mm.
- Application:
  Hyundai i30, Tucson and KIA



Reverse action wheel stud thread restorer kit



906T5 50/13.0/14.0/1.2' 260g

- Unique design allows the two halves of the thread restorer to be fitted on the good thread and wound back over the damaged thread, normally at the end of the stud.
- Traditional thread restorers rely on luck for the restored and undamaged threads to align.
- Three sizes of product a set of capacity:
  M12 x 1.25; M12 x 1.5; M14 x 1.5



Wheel stud cleaning tool set

NEW



907T8

10/6.9/7.9/1.3' 674g

- Quick and easy stud cleaning tool.
- Quick-change brushes.
- Come with a 1/2" drive adapter and six brushes.
- Brush size:
  12 mm (7/16"), 13 mm (1/2"), 14 mm (9/16"),
  16 mm (5/8"), 22 mm (7/8"), 28 mm (1-1/8")



Wheel balancing weight tool



6821

30/12.6/13.6/1.3' 420g

- Easily removes and replaces wheel weights, as well as cutting and crimping.
- Made of heat-strengthened steel. Included comfortable vinyl handle grips.
- With self-open function spring on the handle for easier operation.
- Length: 245 mm

Wheel balancing weight tool



9T0302

48/24/25/2.7' 500g

- Use to install, remove, trim and tighten clip on wheel weights.
- Includes plastic hammer head for protection of specially coated wheel weights.





Tyre lever



750	l		
Part no.	mm	packing	g
750200	200	100/14.6/15.6/0.56'	162
750300	300	120/31.6/32.6/0.60'	370
750380	380	60/22.9/23.9/0.50'	556
750380B	380	60/22.9/23.9/1.20'	382
750500	500	30/22.0/23.0/0.69'	732
750525B	525	30/24.0/25.0/0.69'	800
750650	650	20/23.2/24.2/0.54'	1160
750650B	650	20/21.8/22.8/0.70'	1160



Snap in tire valve installer





9B0301 48/16.8/17.8/0.87' 350g
9B0302 48/16.7/17.7/1.1' 356g

• Steel constructed tool with deep threaded head for positive sealing of all snap-in type passenger car tire valve stems.



TPMS Service pack tool set



911T1 6/8.5/9.5/1.4' 1410g

• Used to install / change TPMS sensor and tire valve.

Contents:
1pc 1/4"DR. Torque driver 1-5 Nm.
1pc 1/4"DR. Torque wrench 3-15 Nm (195 mmL)
1pc 1/4"DR. Wobble extension 2" (50 mmL)
2pc 1/4"DR. 12pt. Flank deep socket 11 mm, 12 mm.
3pc 1/4"DR. Star socket bit T10, T15, T20 (32 mmL)
1pc Grommet / Spacer ring tool.
2pc Valve core torque tool: Red 0.25 Nm.
Black 0.45 Nm.

3-Function tire pressure gauge



9T0401

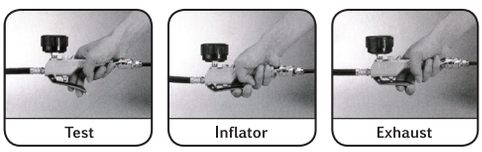
12/9.2/10.2/1.85' 680g

Advantages:

- Measure the tire pressure precisely, tolerance 3%.
- Release unnecessary pressure.
- Inflate the tire quickly.

Specification:

- 1/4"PT
- Max pressure: 14 kgf/cm^2 (200 PSI)
- Nozzle length: 30 cm



3-Function digital tire pressure gauge

NEW



9T0408D

6/4/5/1.0' 662g

- Includes a 85 cm hose with clip-on chuck and a 5" dual check.
- Functions of quick connection, test, inflator, exhaust and so on.
- Unit selection: PSI, Bar, Kpa
- Pressure Range: 0~200 PSI (13.8 Bar / 999 Kpa)
- Accuracy: ±1%.
- Battery: 3V Lithium battery (CR2032)
- Auto sleep after 180s of being idle.

Dual check



9T0402



9T0403

9T0402 / 9T0403

Part no.	*l* length	packing	g
9T0402	5"	100/7/8/1.1'	75
9T0403	12"	100/14/15/2.5'	138

2pc Tire valve torque driver set



9U3201



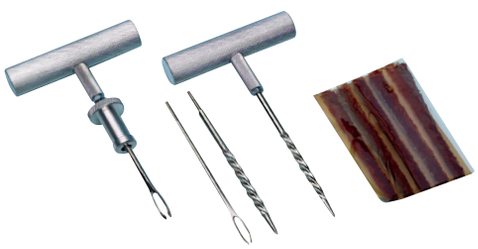
9U3202

902U3 100/12/13/1.1' 120g

- Tools have internal torque limiting mechanism to prevent over- torquing of tire pressure monitoring system valve cores.
- A must for the tire pressure monitoring system valves to maintain proper tire pressure.
- Each tool is set for a specific maximum torque:
  Red - 25 Ncm (2.2 IN. LB)
  Black - 45 Ncm (4 IN. LB)



4pc T-handle disclosed tire repair tool set



904T4 60/19.5/21.5/2.1' 354g

- For steel belted redial tire. T-handle disclosed tire repair tool is for inserting plugging material typically in the form of rubber coated strands, into a tire puncture. The plugging material is threaded into the open eye of a needle forming a part of the tool and inserted into the puncture. The inserting motion is limited by a stop free to rotate on the needle's shank so that the ends of the strand are not drawn into the puncture and the stop also limits the withdrawal of the needle.







Roller stitcher



9T0407 60/7.4/8.4/0.9' 123g

- Wood handle for light and portable.
- Bearing inside for easier using.

2pc Wheel stud alignment guide tool set



902B1 200/9/10/2.7' 45g

- Assists when mounting wheels, especially late models with long lug bolts.
- Applicable: all Mercedes models with lug bolts.
- Size: 12 mm x 1.5



2pc Wheel stud alignment guide tool set



902B2 60/6/7/0.5' 92g

- Assists when mounting wheels, especially late models with long lug bolts.
- Applicable: all Mercedes models with lug bolts.
- Size: M14 x 1.5

8pc Wheel stud alignment guide tool set



908B3 24/19/20/0.8' 790g

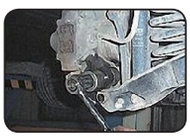
- Assists when mounting wheels, especially late models with long lug bolts.
- Applicable: all Mercedes models with lug bolts.
- Size:
  12 mm x 1.5
  12 mm x 1.25
  12 mm x 1.75
  14 mm x 1.5

BENZ Bush remover / installer



9T0307 12/17.7/18.7/0.78' 1474g

- Removal and replacement tool for metallic bushes on rear axles Mercedes type 201 / 124 / 202 / 140 / 129 / 210.
- The Tool incorporates an axial bearing and also incorporates a pressure piece which guarantees the correct position of the new metallic bushes when replaced.

BENZ Axles wheel bearing extractor / installer



9T0311 2/18.4/19.4/0.6' 9200g

- A great tool used to replace front wheel bearings without removing the steering knuckle & strut assembly.
- As the spindle assembly isn't removed, there is no need to align front end after the job is done. It saves a lot of time.
- Application:
  Mercedes Benz, BMW, Toyota, VW, March, Ford, Volvo.



Rear sub-frame bush remover / installer for BENZ

NEW



912T7 3/26.8/27.8/1.5' 7674g

- Removal and installation of rear rubber mounts of axle suspension.
- Application: Benz W204.


Front Removal


Rear Removal



Front Installation



Rear Installation

Sub-frame bush remover / installer for BENZ

NEW



921T2

2/18.9/19.9/1.1' 9450g

- Extractor for replacement of the front and rear metallic sub-frame mounting bushes.
- Application:
  Benz: W211, W219, W230.


Front Removal


Rear Removal


Front Installation


Rear Installation

Differential bush remover / installer for BENZ

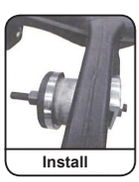
NEW



909T8

3/11/12/0.88' 3680g

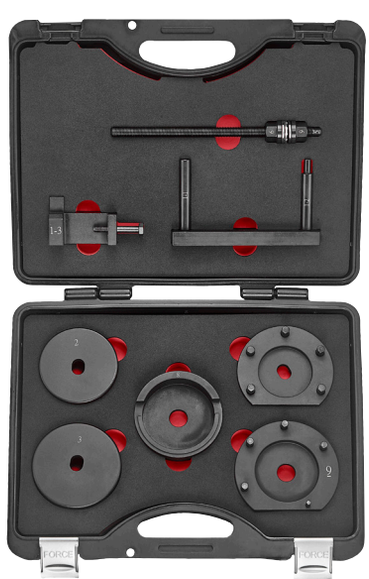
- For replacement of the rear sub-frame differential metallic bush.
- Application:
  Benz: W166, W204, W207, W212, W216,
  W218, W221, W222, W231.


Install


Remove

Transmission rubber mount bush remover / installer for BMW X3, X5, X6

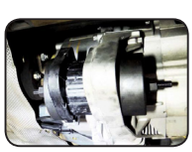
NEW



909T10

3/23.8/24.8/1.5' 7936g

- Special tool to replace the rubber mount of BMW transmission.
- Applicable:
  BMW: 2004-2010 X3 E83
  2000-2007 X5 E53
  2007-2013 X5 E70
  2008-2013 X6 E71



Swing arm sleeve tool set for BMW



903T5 2/8/9/0.9' 3420g

- No need to take off the swing arm
- Easy operation saves time
- Aluminum adapter prevents sleeve damage
- Aluminum circumference adapter can be switched when needed.
- Application: BMW E90, E91, E92 3series



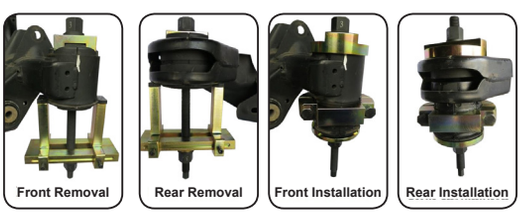
Rear suspension bush remover / installer for BMW

NEW



910T2 3/24.7/25.7/1.5' 8220g

- Extractor for replacement of the rear suspension mounting bushes.
- Replacement of the mounting bush without completely lowering the rear axle assembly.
- Application: BMW E87, E90.



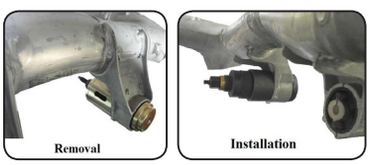
Differential front bush removal / installation tool kit for BMW

NEW



907T7 3/9.8/10.8/0.88' 3250g

- The front differential bushing on the BMW can be removed / installed without removing the differential.
- Application:
  BMW: F01, F02, F04, F06, F07, F10-F13, F18.



Differential rear bush removal / installation tool kit for BMW

NEW



906T8 3/12.8/13.8/0.88' 4250g

- The rear differential bushing on the BMW can be removed / installed without removing the differential.
- Application:
  BMW: F01, F02, F04, F06, F07, F10-F13, F18.





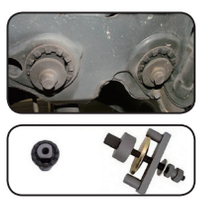
Sub frame bush remover (FORD MONDEO)



905T5 20/21.1/22.1/1.4' 1050g

- A specially designed tool for removing and installing the bushes on the rear sub frame on Ford Mondeo.

Contents:
1pc Bridge
1pc Double headed nut
1pc Cup
1pc Bolt
1pc Dome washer



Rear trailing arm bushing remover / installer for FORD / MAZDA / VOLVO

NEW



904T10 2/20.5/21.5/1.57' 10220g

- Easy removal and replacement of the rear trailing arm bushes without removing the trailing arm completely from the vehicle.
- Application:

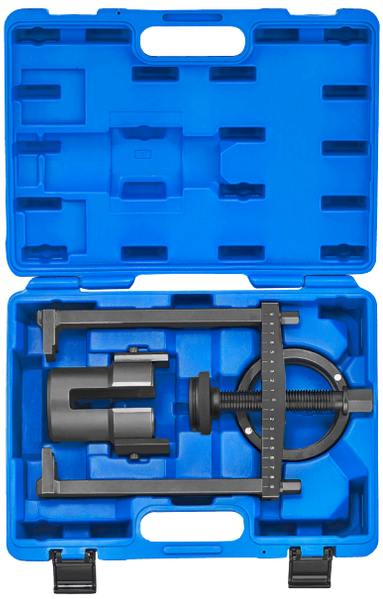
Ford:	2003-2007	C-Max CAP
	2008-2011	Focus CB4
	1998-2005	Focus I
	2004-2008	Kuga CBV Focus II
Mazda:	2003-2008	3-BK
	2005-2010	5-CR
	2003-2009	Axela
	2009-	BL
	2005-2010	Premacy CREW / CR3W
Volvo:	2004-2012	S40 II / V50





Rear trailing arm bush remover / installer for FORD / VOLVO

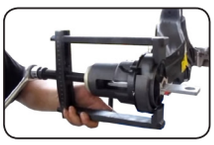
NEW



903T8

2/16.0/17.0/1.15' 8000g

- Suitable for the removal / installation of the rear trailing arm mounting bushes on Ford vehicles.
- Can be used in situs without removing the arm from the vehicle.
- Also suitable for some Volvo vehicles that share the same Ford platform.
- Application:
  Ford: Mondeo Mk IV (07on), S-Max (06on), Galaxy (06on)
  Volvo: S60, S80, XC60, V70, XC70 (06-09) with Ford Platform




Rear suspension tool for GM VECTRA



908T6

10/17.2/18.2/1.2' 1770g

- Removing and replacing those stubborn upper and lower rear trailing arm bushes on GM VECTRA'S.




Rear axle bush installation / removal tool set for VAUXHALL / OPEL VECTRA



908T7

12/17.6/18.6/1.4' 1463g

- Suitable for use in situ without removing the rear axle assembly from the vehicle.
- Intended for rapid removal / installation of Vauxhall / Opel Vectra (95-02) upper and lower rear trailing arm bushes.

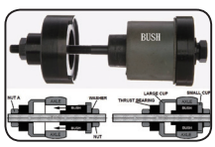



5pc VW / AUDI Rear suspension tool



905T4 10/22.5/23.5/1.3' 2252g

- Special design for replacing the rear axle mounting bushes, while sit in the vehicle without the need for removing the rear axle assembly.
- Its fine thread and thrust bearing allow the bush to be fitted quickly and easily without causing damage.
- Applicable:
  Audi A3 / VW Golf IV, Bora 1.4 / 1.6 / 1.8 / 2.0 and 1.9d (01-03)



Bush remover / installer for VW

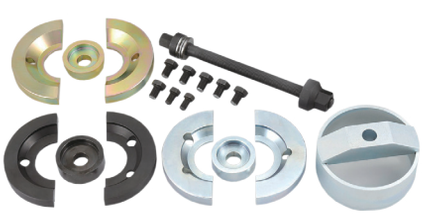


907T6 6/18.0/19.0/1.5' 3000g

- Suitable for VW Polo (9N) front-axle bracket wishbone silent blocs.
- The removal and replacement of the silent bloc placed in dir bracket is easily and safely carried out directly on the vehicle by using the extractor.
- Applicable:
  Audi: A2.
  Seat: Ibiza IV, Cordoba (ab Bj. 02) Altea
  Skoda: Fabia, Roomster
  VW: Polo (9N)



21pc Compact wheel hub / bearing kit, Ø62 mm, Ø66 mm, Ø72 mm



921T1 1/12.6/13.8/1.0' 12600g

- Professional fitting direct on the vehicle (removal with existing wheel hub extractor or universal sliding hammer).
- Minimum working effort and maximum time saving.
- Simple and safe handling.
- **Only for installation.**
- Can also be optionally used with a workshop press.
- Possible extensions for bearing unit Ø62+66+72 mm due to the modular system
- Application:
  Audi: A2
  Seat: Ibiza
  Skoda: Fabia
  VW: Lupo, Polo FOX





Wheel hub and wheel bearing extraction & installation set for VW-T5



917T3 2/16.3/16.8/1.0' 8150g

- For removing and installing the wheel hub or wheel bearings of built-in parts on cars.
- Suitable for cars with Ø85 mm wheel bearings.
- The design can prevent damage to the new wheel bearing because it provides safe and accurate centering and alignment when changing wheel bearings.
- Application:
  VW: T5 (front axle), Touareg with 16 -inch chassis

Removing



Insertion



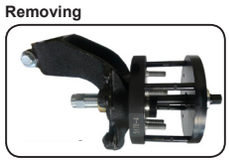
Wheel hub and wheel bearing extraction & installation set for FORD / VOLVO / MAZDA



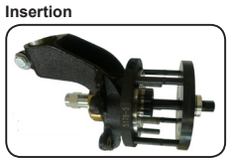
913T2 2/19.8/20.8/1.08' 10100g

- For removing and installing the wheel hub or wheel bearings of built-in parts on cars.
- Suitable for cars with Ø78 mm wheel bearings.
- The design can prevent damage to the new wheel bearing because it provides safe and accurate centering and alignment when changing wheel bearings.
- Application:
  Ford: Focus 2 (04~), C-Max (03~)
  Volvo: C30 (06~), C70 2 Cabriolet (06~), S40 (04~), V50 (04~)
  Mazda: M3 1.4, 1.6, 1.6D Turbo (03~)

Removing

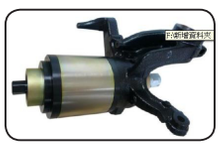


Insertion



Professional wheel bearing tool set for BENZ





927T1

1/14.6/15.6/1.3' 14480g

- This tool can make safe, quick and professional replacement and removal of wheel bearing.
- Adaptor ring:
  Centring rings - 42, 45, 49, 50, 54, 60, 80 mm
  Pressure rings - 66, 70, 73, 75, 79, 83, 84, 85, 87, 88, 90, 93, 95 mm
- Application:

190 Series	W201
A-Class	W168; W169
B-Class	W245; W124
C-Class	W202; W203
E-Class	W210
M-Class	W163; W164
S-Class	W140
V-Class	W639

Professional wheel bearing tool set for PEUGEOT / CITROEN / RENAULT



920T2

1/12/13/1.3' 11400g

- This tool can make safe, quick and professional replacement and removal of wheel bearing.
- Adaptor ring:
  Centring rings - 35, 37, 42, 45, 60, 75 mm
  Pressure rings - 65, 72, 82, 83 mm
- Application: Peugeot, Citroen, Renault



Universal bush remove and install sleeve



933T1

1/18/19/1.1' 18270g

- Universal application of step discs for bearing bush, silent bearing, hydraulic bearing, and rubber bearing on many kinds of different vehicles.
- 20pcs sleeves: ID Ø34 ~ Ø72 mm(in 2 mm increment)
- 2pcs step discs: use with sleeves.
- 4pcs bolts: M10, M12, M14, M16;
- Length: 450 mm



Press and Pull sleeve kit

NEW





927T2 1/17.7/18.2/0.9' 17700g

- Universal tool set for extracting and drawing in: Silent bearings, hydraulic bearings, bearing bushes, ball bearings, shaft seals, rubber bearings, etc.
- Full universal application.
- Ideal for different vehicles: Cars + HGVs.
- Depending on requirements, the particular sleeves can also be individually reworked (e.g. recess, etc.)
- Application also with workshop press + press frame.
- Contains 22pcs press-on sleeves
  Inside: Ø 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 75, 80 mm
  Outside: Ø 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 85, 90 mm
- Contains 5pcs pulling spindle + nuts
  Size: M10, M12, M14, M16, M18.

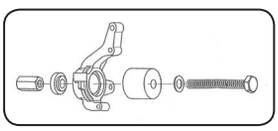
Front wheel driver puller



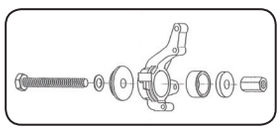
920T1 2/16.7/17.7/1.1' 8350g

- A great tool used to replace front wheel bearing without removing the steering knuckle & strut assembly.
- As the spindle assemble isn't removed, there is no need to align front end after the job is done.
- 3pc M12 x P1.5 screws
  3pc M14 x P1.5 screws

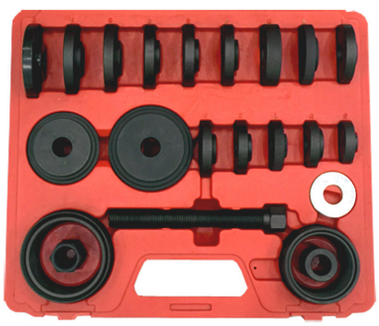
Remove



Install



4WD Front wheel bearing tool







924T1 2/21.5/22.3/1.5' 10.7kg

Contents:

21pc Bearing cup size:
38, 50, 55, 59, 63.5, 66.5, 70.5, 71.5, 73, 73.5, 74.5, 76, 77.5, 81.5, 83.5, 86, 86, 88.5, 91, 102, 102 mm
1pc Nut
1pc Screw
1pc Washer

Hydraulic steering system pull tool set



949T1 1/20.6/21.6/2.9' 20.6kg

- This set could disassemble damaged bushing and replace new one except the bushing without the hole.
- There is no effect when the control arm is on the car.
- Hydraulic cylinder max. load: 18.2 t
- Four pull spindles:
  M10 x 1.5P; M12 x 1.75P; M14 x 2.0P; M16 x 2.0P

Remove



Install



Manual steering system pull tool set



950T1 1/30.6/31.6/2.9' 30.6kg

- This set could disassemble damaged bushing and replace new one except the bushing without the hole.
- 4 spindles are especially designed for small bushes and they are available when the control arm is still on the car.
- Hydraulic cylinder: 10 t
- Four pull spindles:
  M10 x 1.5P; M12 x 1.75P; M14 x 2.0P; M16 x 2.0P

Remove



Remove



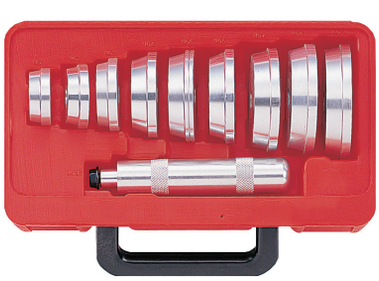
Install



Install



10pc Bearing race and seal driver set



66603 8/14.2/15.2/1.2' 1770g

- Makes it easier to insert wheel bearing race and seals without damaging race and axle housing.
- The set includes 9 disc sizes to fit most standard wheel bearing.
- Turn discs over to drive seals.
- Size: 40mm - 80mm





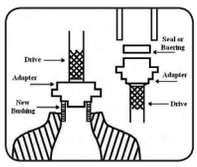
15pc Master bushing driver, seal, and bearing installer set



915U2 2/16/17/ 0.78' 8kg

- Set includes four drive handles and 11 adapters (most adapters have 3 or 4 size each)
- Works in any industry, automotive.
- Makes it easier to insert wheel bearing race and bushing seals without damage.
- Size: 13mm - 90mm





Custom built bush / bearing / seal driver set

NEW



952T1 2/15.6/16.6/0.95' 7800g

- This master set allows you to build your own custom bushing driver.
- Select the required sizes and assemble your driver tool, to suit the required seal, bush or bearing job.
- Build to suit the required seal, bush or bearing job.
- Disc size: go from 18 mm to 65 mm in 1 mm increments and 74 mm.





17pc Metric bushing driver set



917T1 24/17.7/18.7/2.0' 737g

- Adaptors held on drivers with knurled nut.
- Fit all remaining bushing.
- Size: 10 mm - 42 mm.





Universal adjustable bearing race and seal driver



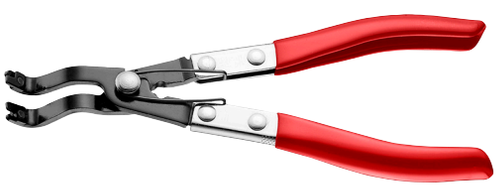
9U0301 20/16.6/17.6/1.7' 832g

- Aluminum all-in-one self-contained precision driver with rotating handle and expanding jaws to seat races / bearings or seals with ease.
- Variable Jaws cover a range of 18.5 - 89 mm or 0.72 - 3.50 inches.



Wheel bearing circlip pliers

NEW



9T0319 48/11.2/12.2/1.5' 230g

- Special design of the pliers' tips enable the easy removal and replacement of wheel bearing circlips without eyelets.
- Applications: Citroen C1 (05-15), Peugeot 107 (05-15), Toyota Aygo (05-15) 1.0 petrol, 1.4Hdi.

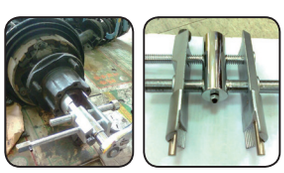


8pc Adjustable wheel bearing lock nut wrench



908T1 6/14.8/15.8/1.0' 2466g

- Adjustable jaws with locking feature to suit both hexagon & octagon wheel bearing lock nuts.
- Includes three sets of pins to suit lock nuts with pin holes.
- Capacity:
  6pt lock nuts: 1.3/4" to 5.1/4" (49-135 mm) across the flats
  8pt lock nuts: 1.3/4" to 5.5/8" (49-143 mm) across the flats
  Pin diameters: 1/4" (6 mm), 5/16" (8 mm), 3/8" (10 mm).



7pc 1/2"DR. Wheel bearing locknut sockets set



907T5 3/16/17/1.4 ' 5335g

Contents:

1pc 55 mm Hex locknut socket:
For use on front wheel adjusting nuts found on Toyota FJ. Ln, and RN models

1pc 2-3/8" Hex locknut socket:
Works on 1984-92 Ford Rangers & Bronco lls with automatic locking hubs

1pc 2-1/2" Hex locknut socket:
Found on rear axles and various front axle applications on light-duty trucks.

1pc 2-1/2" Rounded Hex locknut socket:
Works on 1995-96 Ford F/150 trucks and full-sized Broncos with automatic locking hubs.

1pc 2-3/4" Rounded Hex locknut socket:
Works on 3/4" and 1-ton Ford F-250 and F-350 trucks with automatic locking hubs.

1pc 2-9/16" Rounded Hex locknut socket:
Works on 1990, 1993 Dodde trucks with Dana 60 manual hubs.

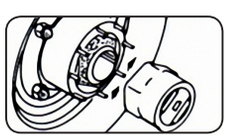
1pc 2-3/8" Rounded Hex locknut socket:
Works on 1990- recent Ford Rangers, Bronco lls, and Explorers with automatic locking hubs.

TOYOTA Hub nut spanner 54mm (1/2"DR.)



9T1450 24/13.0/13.5/1.5' 526g

- Wheel bearing lock nuts are easy to remove or install with these specially designed sockets.
- High-grade truck wheel bearing lock nut socket is made of high-strength steel.
- Measure from flat to flat to determine size of lock nut.
- Size: 1/2"DR. 54 mm hex socket



17pc Slide hammer puller set



664 2/14/15/1.1' 7kg

- Designed for removing hub, dent...etc.
- With most popular joints and 3-jaw puller to fulfill most vehicles.
- Contents:
  T-bar, hammer, axle puller, adaptor, 2-jaw head, 3-jaw head, hook and accessories.

Slide hammer puller set



664A 2/19/20/1.9' 9.5g

- Slide hammer puller set has several pulling attachments to give the user various methods for pulling, maintenance and repair applications; the slide hammer exerts force when needed.



2pc Axle puller

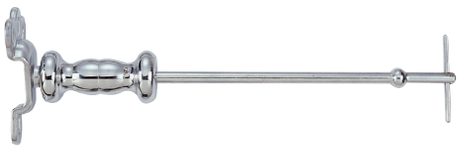


66401 2/2.0/2.5/0.2' 1170g

- Central hole to screw hole 130 mm
- Drop forged



3pc Axle puller



66402 2/8.0/8.5/0.6' 4150g

- Central hole to screw hole 130 mm
- Drop forged
- Slide hammer: 5 LBS



2pc Axle puller



66403 2/2.5/3.0/0.12' 1260g

- Central hole to screw hole 110 mm
- Drop forged



3pc Axle puller



66404 2/8.0/9.0/0.43' 4375g

- Central hole to screw hole 110 mm
- Drop forged
- Slide hammer: 5 LBS

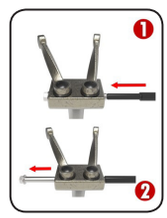


6pc Air hammer drift set



906T6 28/31.7/32.7/1.8' 1036g

- The 7" (177 mm) long parallel shaft design doesn't get stuck in deep holes.
- Offers the extra driving force of an air hammer where needed.
- Air hammer drift set takes care of rusted shock and strut bolts.
- Sizes included:
  3/16" (5.2 mm), 1/4" (6.5 mm),
  9/32" (6.9 mm), 5/16" (7.7 mm),
  3/8" (9.3 mm), 1/2" (12.7 mm)



13pc Special vibro chisel set



912T5 3/17.7/18.7/1.5' 6158g

Contents :

1pc 63 mm Large concave hammer
1pc 1/2"DR. Adaptor hammer
1pc 25 mm Hammer
1pc Track Rod hammer
2pc Impact ball joint separator
7" x 20 mm, 7" x 24 mm
1pc 20 mm Flat chisel
1pc Point chisel
1pc Air hammer (827M02)
4pc Drift punch
1/4" (6.5 mm), 5/16" (7.7 mm),
3/8" (9.3 mm), 1/2" (12.7 mm)





Heavy duty long barrel air hammer

NEW



827M02	*l*		
Part no.	mm-inch	g	pc/box
827M02	220-8.7"	2285	1

Specifications:

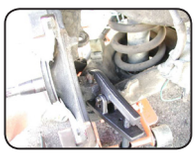
AIR Inlet ..... 1/4"
Hose Inlet ..... 3/8"
Blows Per Minute (B.P.M.) 2350
Air Consumption (C.F.M.) 7.4
Piston Stroke (mm) 90
Chisel Shank(mm) (Round) 10.2

Ball joint separator



62801 20/24.4/25.4/1.3' 1220g

- Heat treated drop forged steel body & bolt for long rough usage.
- Spread ball joints easily where space prevents use of direct action method.
- Jaws open: 19 mm

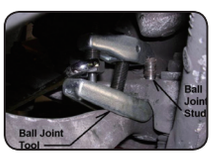


Ball joint separator



62802 20/21/22/1.0' 1050g

- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc.
- Jaw open: 20 mm



Ball joint separator



62803 20/21.2/22.2/0.97' 1060g

- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc.
- Jaw open: 20 mm

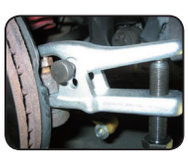


Ball joint separator



62804 20/24.3/25.3/0.97' 1218g

- Special design 2-stange operating suits most cars and light trucks ball joints in steering & suspension.
- Offset lever permits maximum jaw opening in 30 mm & 56 mm.
- Jaw open: 22 mm

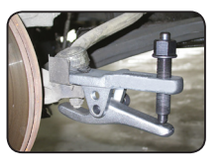


Ball joint separator



62805 20/24.28/25.28/1.1' 1214g

- This universal tie rod end remover will work on most cars and light trucks.
- The necessary force needed to remove tie rod end is easily applied through the center pivot action.
- Fork opening: 22 mm
- Reach: 30- 50 mm
- Suitable for:
  VW-Audi, BMW, Fiat, Ford, Mercedes, Nissan, Opel, Peugeot, Renault, Rover, Saab, Toyota, Volvo.



Ball joint extractor



62806 12/18.2/18.7/0.96' 1620g

- For splitting track-rod ends, anti-roll bar mountings, wheel-hub ball joints, etc.
- Jaw open: 22 mm
- 2-Stage, 50-80 mm.

Universal ball joint extractor



6281518 / 6281522 / 6281532 / 6281545

	Size		
Part no.	mm	packing	g
6281518	18	20/13.9/14.9/0.46'	695
6281522	22	15/10.7/11.7/0.6'	715
6281532	32	10/23.6/24.6/1.4'	2360
6281545	45	10/25.5/26.5/1.4'	2550

- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc.



Hydraulic ball-joint puller

NEW



62822 4/17/18/1.0' 4250g

- The special design and function for dismounting the ball-joint on passenger cars.
- Both of the tools can switch position in tight areas of the wheel suspension.
- The jaw opening can also be turned to fit the ball-joint size.
- Capacity force: 7 ton.
- Jaw opening: 25, 32 mm.
- Fit range: 60-72 mm.



Hydraulic HGV ball joint separator



903T2 2/14/15/1.0' 7kg

- For separating HGV ball-joint. Strengthened fork and lever allows for greater force to be applied.
- Remove ball joints easily where space prevents use of direct action method.
- Jaw opening capacity 70 mm; Jaw width 36 mm
- Patented Hydraulic ram provides max. 12 tons.
- SCM 440 material

Quick-change ball joint remover



905T8 3/18/19/1.0' 6000g

- Innovative quick change and simple action for suitable fork.
- Enable operator to select correct jaw size without taking entire extractor to the vehicle.
- Adjustable opening angle.
- Jaw width: 20, 22, 24, 27, 30 mm.
- Thrust screw length: 100 mm.
- Pivot rod length: 125 mm.



Ball joint extractor



6280723 / 6280728

	Jaws open	Jaws deep		
Part no.	mm	mm	packing	g
6280723	23	25	30/24.8/25.8/0.99'	826
6280728	28	25	30/24.1/25.1/0.99'	800

- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc., especially in small space conditions.
- **6280723** is for Audi VW, BMW, Ford, Opel/Vauxhall, Mercedes (W170, W202, ETC), etc.
- **6280728** is for Audi A4, A6, A8, VW Passat and Mercedes W203 etc.



Universal ball joint puller



6280817 / 6280820

	Jaws open		
Part no.	mm	packing	g
6280817	17	20/20.4/21.4/1.5'	1020
6280820	20	20/23.4/24.4/2.1'	1170

- Special steel for removing the ball pivots on steering arms, steering tie rocks, steering knuckles etc.



Universal ball joint separator



62809

10/9/10/0.49' 2900g

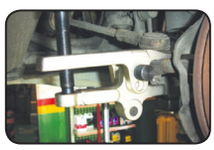
- Special steel for removing the ball pivots on steering arms, steering tie rocks, steering knuckles, etc.
- Jaws open: 30 mm

Four-way ball joint remover tool



62819 10/16/17/0.5' 1600g

- Heat treated drop forged steel body & bolt for long rough usage.
- Spread ball joints easily where space prevents use of direct action method.
- Total length: 165 mm
- Opening angle: 24-45 mm
- Jaw opening: 22 mm
- Body material: SCM440



Front end service set



906T3 4/22/23/1.8' 5428g

- This versatile set allows for easy removal of the most popular types of pitman arms, tie rods and ball joints.
- Press-typed ball joint separator allows ball joint removal without damaging boots and other parts which can be easily damaged if fork-typed removers are applied.

Tie rod end & pitman arm puller for compact cars



62811 20/8.9/9.9/0.46' 445g

- For the safe easy removal of pitman arm assembly from compact automobiles.
- Forged, heat-treated yoke with extra heavy center screw
- Opening: 1-1/16" (27 mm)
- Pull: 1-3/4" (45 mm)



Tie rod end & pitman arm puller



62812 24/19.1/20.1/0.79' 862g

- Redesigned heavy duty tool to be used to remove pitman arns from late model cars and light trucks
- Yoke is forged from high grade alloy steel and heat-treated.
- Opening: 1-5/16" (33 mm)
- Pull: 2-1/2" (64 mm)



Pitman arm puller



62813 20/22.7/23.7/1.1' 1096g

- Designed to handle the toughet Pitman arm pulling jobs on passenger cars and light trucks.
- Features special forged jaws shaped to fit the job.
- To use, simply remove the retaining nut, place the puller jaws behind the pitman arm and tighten the forcing screw.
- Mechanical power does the rest.
- Opening: 1-5/16" (33 mm)
- Pull: 2-1/2" (64 mm)



Outer tie rod remover

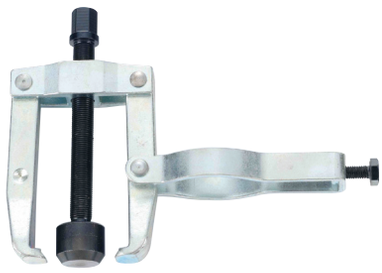


62814 15/16.4/17.4/0.59' 1164g

- Two adjustable jaws special designed for removing outer tie rods of most models.
- Works on imports and domestics; front or rear wheel drives and castors stamped steel steering knuckles.
- Spread: 2-1/2" (64 mm)
- Reach: 2-1/4" (57 mm)



Twin-arm bearing pullers



666B — 10/11.4/12.4/1.3' — 1140g

- With clamping bridge and pushing adaptor especially for extracting the inner bearing ring at VW-Audi cars.
- Size: 90 mm x 100 mm



Ball joint extractor



628E	Open		
Part no.	size	packing	g
628E18	18 mm	60/19.0/20.0/1.20'	316
628E23	23 mm	30/16.0/17.0/0.99'	533
628E29	29 mm	20/17.6/18.6/0.90'	880
628E40	40 mm	12/18.6/19.6/0.97'	1550
628E46	46 mm	12/21.0/22.0/1.10'	1750

- For splitting track-rod ends, anti-roll bar mountings, ball joints etc.



Universal tie rod end tool



62817 — 30/13.5/14.5/0.4' — 450g

- Heat treated drop forged steel body & thrust bolt.
- Fits most cars, simply insert tool between spindle arm and tie rod, turn thrust bolt with 3/4" (19 mm) socket or spanner to spead tie rod easily.
- Fork 18 mm (11/16").



Ball joint puller bell vibro-impact

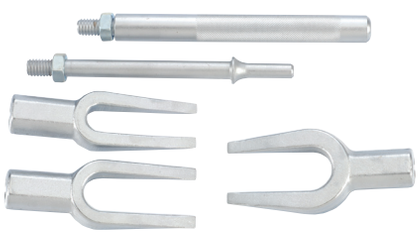


62818 / 6281830 / 6281832 / 6281839

	Size		
Part no.	mm	packing	g
62818	25	15/19.4/20.4/0.6'	1290
6281830	30	15/19.5/20.5/0.8'	1950
6281832	32	8/22.6/23.6/0.8'	2820
6281839	39	8/27.2/28.2/1.2'	3400



5pc Tie rod ball joint separator set



905T2

10/20.0/21.0/1.46' 2kg

• Made from heat treated drop forged steel.

Contents:

1pc Tie rod separator Opening: 17 mm (11/16")
1pc Ball joint separator Opening: 24 mm (15/16")
1pc Pitman arm wedge Opening: 28 mm (1-1/8")
1pc Handle with lock nut 8" (200 mm)
1pc Pneumatic handle 7" (180 mm)



Ball joint separator



628	Open	*l*		
Part no.	size	mm	packing	g
628300	15/16"	300	25/17/18/0.38'	680
628400	21/32"	400	20/19/20/0.38'	950



• Tempered drop forged steel one piece construction for long & rough usage.
• Replacing worn out ball joints easily with a hammer striking.
• **628300** also can separate shock absorber links.
• **628400** also can remove CV drive shafts on FWD vehicles
• Material: SCM440.

Ball joint spanner wrench



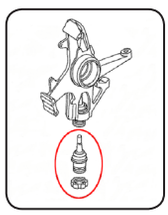
9T1404 96/14/15/1.2' 170g

- Designed for removal and installation of ball joint adjusting sleeves on 1/2-, 3/4- and 1-ton Dana open yoke front axles found on Ford, GM, Chrysler, IHC, and Jeep 4WD vehicles.



5pc 1/2"DR. Drive tooth socket for MERCEDES





905T7 10/17/18/1.5' 1700g

- Tooth socket for Mercedes Benz axle drive flange.

ID	Length	Tooth width	Usage
905T7-A	70 mm	8 mm	Mercedes gearbox.
905T7-B	70 mm	6 mm	Mercedes differential flange.
905T7-C	70 mm	6 mm	Mercedes G-class (W460, W461, W463) front axle-wheel bearing.
905T7-D	70 mm	6 mm	Mercedes W114, W115, W116 models with constant velocity joint axles.
905T7-E	80 mm	8 mm	Mercedes W116, W123, W126 rear axle drive flange.

6pc Ball joint anchor pin press set



906T4 3/19.5/20.5/0.7' 6.5kg

- Special designed for the removal and installation of press fit parts, such as ball joints, universal joints and truck break anchor pins, without having to resort to makeshift methods.
- It contains heavy-duty C frame press, receiver tubes, and installation and removing adapters.





9pc Ball joint anchor pin press set



909T2 3/23/24/0.7' 7500g

- Special designed for the removal and installation of press fit parts, such as ball joints, universal joints and truck break anchor pins, without having to resort to makeshift methods.
- It contains heavy-duty C frame press, receiver tubes, and installation and removing adapters.

Ball-joint installer/ remover for BENZ (W220, W211, W230)



905T10 3/16.5/17.0/1.1' 5500g

- Special design for removing and installing the ball joint on car without removing any parts.
- Applicable:
  Mercedes Benz W220, W211, W230



Multi-steering knuckle spreader tool kit

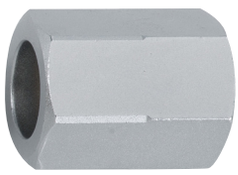


912T3 12/13/14/1.0' 1083g

- Spreads the steering knuckle.
- This enables the removal and refitting of the shock absorbers without the risk of darnaging to the aluminum or cast iron knuckle.
- Fully adjustable and is suitable for steering knuckles with either a centralized or eccentric slot.
- Wide range of vehicle applications.



Audi ball joint tool



62821 144/18.5/19.5/1.2' 130g

- Required for releasing the lower ball joint to free corrosion etc.
- An effective a converter to allow the ball joint to be turned after releasing the pinch bolt.
- 1/2"DR. x H 27 mm x L 36 mm with 18 mm diameter hole.
- Application:
  Audi A4 (07-), A5 (09-), A6 (11-), A7 (10-), Q5 (10-)

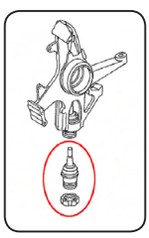


1/2"DR. BENZ (W163, W164) Pin wrench socket



62820 48/14/15/0.3' 291g

- Used for Secure the retaining ring during R&R of ball joints.
- Applicable:
  Mercedes Benz M-Class (W163, W164) lower ball joint of front & rear axles.

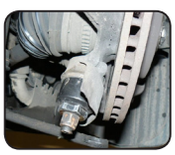


Lower ball joint socket for PEUGEOT / CITROEN



9T1482 72/16.8/17.5/1.2' 233g

- Allows fast and simple removal & installation of screw type lower ball joints.
- Suitable for Citroen and Peugeot 405 lower ball joints.



5pc Tie rod adjusting tools



905T1 12/16/17/1.4' 1330g

- Unique design permits 360° rotation of the adjusting sleeve. 1/2"sq. drive allows use of ratchet or breaker bar.

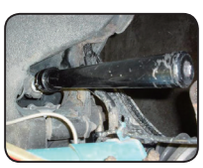
Specification:

Tie rod adjusting tool for compact cars with 3/4" dia. adjusting sleeves.
Tie rod adjusting tool for compact cars with 7/8" dia. adjusting sleeves.
Tie rod adjusting tool for compact cars with 1-1/8" dia. adjusting sleeves.
Tie rod adjusting tool for compact cars with 1-7/16" dia. adjusting sleeves.
Tie rod adjusting tool for compact cars with 1-13/16" dia. adjusting sleeves.

8pc Inner tie rod tool







908T2 6/13.8/14.8/0.6' 2510g

- These tools are specially designed for the inner tie rods that are inaccessible to adjust.
- The long socket can be easily used with seven open-jaw drivers, size: 1-3/16", 1-1/4", 1-5/16", 1-7/16", 14mm, 17mm, 33.6mm to most application.
- The inner tie rod can be easily removed and installed by slipping the long socket over tie rod end and connecting it to the open-jaw driver.

12pc Inner tie rod tool





912T2 6/16.0/17.0/0.6' 2836g

- These tools are specially designed for the inner tie rods that are inaccessible to adjust.
- The long socket can be easily used with eleven open-jaw drivers, size 1-3/16", 1-1/4", 1-5/16", 1-7/16", 14 mm, 17 mm, 19 mm, 22 mm, 26 mm, 27 mm & 33.6 mm to most application.
- The inner tie rod can be easily removed and installed by slipping the long socket over tie rod end and connecting it to the open-jaw driver.

Track rod end remover and installer



9T0204 / 9T0204B

Part no.	Application mm	l mm	packing	kg
9T0204	Ø35 - Ø45	400	10/22.5/23.5/2.2'	2.25
9T0204B	Ø28 - Ø35	400	10/21.5/22.5/1.6'	2.15

• Designed for remove and install axial joint



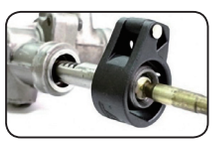
Multi-purpose inner tie rod tool



9T0801

32/12.3/13.3/0.5' 384g

• The master tie rod tools easily replaces inner tie rod ends without removing the rack & pinion.
• Capacity: 33-42 mm



4pc Steering wheel holder & pedal depressor kit





904B2

6/14.9/15.9/3.1' 2250g

Steering wheel:
• Firmly holds steering wheel in position when setting toe angle.
• Has a trigger-controlled mechanism and a thumb lock release.

Pedal depressor (brake gas):
• This brake and gas depressor is designed to use in the front seat of the car to obtain lever age.
• Place the point end of depressor on the pedal and use the small release lever above the spring to free the trigger mechanism in order to place the jack in place againt the seat.
• Then press the trigger mechanism to put pressure on the brake or gas pedal the pedal jack will maintain the pressure until the release lever is pressed.

Coil spring compressor



62701 12/17/18/1.3' 1416g

- Use tool to remove and install automotive coil springs up to 5-5/8" OD. designed to grasp a maximum 3/4" wire diameter spring.
- Compress can be used on straight or curved coil spring.
- Forged alloy steel.



Coil spring compressor



627	*l*		
Part no.	mm	packing	g
627270	270	10/17.3/18.3/1.0'	1830
627370	370	10/20.5/21.5/1.1'	2170

- Coil spring compressor made by forging and easy to use.
- Sold and packed in pair.



Universal spring compressor





627200 / 627320

	Compression length		
Part no.	mm	packing	g
627200	65-200	10/24.1/25.1/0.86'	2410
627320	65-320	5/16.0/17.0/0.70'	2880

627200

- Allows the compressing of the spring at the car, so the strut can be taken out without dismounting the bearing housing.
- This is important at the front axle of VW cars and at rear axle of Ford Mondeo etc.

627320

- For use with all Macpherson.
- The spindles are equipped with contra-rotating threads which eliminate the risk of slipping round the spring.

Universal spring compressor



627170 10/23.5/24.5/0.7' 2350g

- For replacement of self leveling shock absorbers.
- Particularly for rear axles on Mercedes and Fords.
- Compression length: 85-170 mm
- Hex drive situated in the centre of the spindle permitting easy use in confined spaces where other spring compressors can not be used.

Heavy duty coil spring compressor



627280 6/19.7/20.7/0.5' 3.2kg

- Hooks engage spring which can be compressed by turning hex nut.
- Jaws capacity: 23-280 mm
- Length: 280 mm



Heavy duty coil spring compressor with jaws & holder



627280U 4/17/18/0.4' 4.2kg

- No need extra systematic jaw installation / removal
- High security coil spring compressor with 1200 kg maximum capacity per pair and adjustable safety bar for additional security.
- Jaws capacity: 23-280 mm
- Length: 280 mm



Spring compressor for MERCEDES



905T3

5/28.5/29.5/2.46' 5.7kg

- Types 116, 123, 124, 126, 129, 140, 201, 202 and 4-matic includes.
- Advantage:
  Newly developed automatic 3-point safety interlockand automatic freewheel at end of stroke.



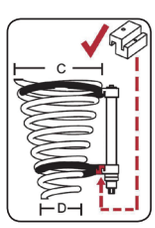
Professional coil spring compressor



908T5

1/13.8/14.8/1.25' 13.8kg

- Safety yokes carefully shaped to prevent coil spring from bowing.
- Wide availability of spare yokes.
- Main axle length: 453 mm
- Small jaw use range: 80-115 mm
- Medium jaw use rang: 110-150 mm
- Large jaw use range: 140-195 mm





Professional coil spring compressor (with cover)



908T8

1/13.7/14.6/1.25' 13.7kg

- Application :
  BMW, Toyota, Ford, Mitsubishi, VW, Audi, Saab, Nissan, Honda, Subaru, Volvo, Opel, Porsche.
- Main axle length: 453 mm
- Small jaw use range: 80-115 mm
- Medium jaw use range: 110-150 mm
- Large jaw use range: 140-195 mm
- Max. Load: 10200 N
- Additional yellow plastic covers could protect the surface of shock absorber

Spring compressor stand



9T3403 1/26.4/28.3/3.0' 26.4kg

- Compress the coil spring quickly and easily.
- The opening of attachment shoes can be adjusted according to the diameter of the spring.
- Designed for strong, safe and reliable use.

Strut nut socket for VW / AUDI



9T1481 200/15.9/16.9/1.2' 80g

- Used for removing and installing the top shock retaining nut on most FWD; VW; Audi.
- Fits into slot in the top of the strut retaining nut
- 22 mm (7/8") hex for use with a wrench.



Drive nut set



904T1 72/16.3/17.3/1.6' 226g

Contents:

NO.1 10.5 mm: VW Golf rear axle
NO.2 12.5 mm: VW Polo front axle
NO.3 14.5 mm: VW Polo, Golf, Passat, Audi 80
NO.4 14.5 mm: Austin Maestro



BENZ (W203) Strut nut socket



9T1401 300/17.6/18.6/0.4' 60g

- Use for removing and installing the top shock retaining nut.
- Applications: Benz W203.



BENZ (W220) Strut nut socket



9T1402 100/21.6/22.6/0.4' 216g

- Use for removing and installing the top shock retaining nut.
- Applications: Benz W220.





BENZ W220 Shock absorber service tool set



9T0304 5/8.7/9.7/0.6' 1740g

- This tool is for changing the top seal in air suspension.
- Fix suspension strut to a vise. Set 3 legs onto stub bolts in strut. Drive the control forcing screw to compress the seal cup and replace the seal.
- Application: Benz W220





39pc Turnbuckle for shock absorber top lid





939T1 4/25.0/26.0/2.75' 6.25kg

- The complete sizes for using of most kinds of cars.
- Apply to:
  VW, Audi, M-Benz, Austin Maestro, Honda, Nissan, Seat, Fiat, Ford, Rover, Opel, Peugeot, Renault, Citroen, Toyota, Chrysler, BMW, Volvo.

Contents:

5pc External sockets
10.5, 12.5, 14, 14.5, 14.5 mm (with outer teeth)
9pc Sockets 14, 16, 17, 18, 19, 21, 22, 24, 27 mm
9pc Central sockets 4, 5.2, 6, 6.3, 7, 8, 9, 10, 12 mm
2pc Central sockets 5, 10 mm
4pc Central sockets 8, 9, 10, 11 mm
4pc Central bits 5, 6, 7, 8 mm
3pc Central bits 3, 3.5, 4 mm
1pc Central bit M12
2pc Central bits T50, T60

9pc 1/2"DR. Drive shaft socket





40912 6/22.7/23.7/1.54' 3790g

Contents:

3pc Hex impact socket bit (60 mmL)
14 mm: VW Passat (96-01), Audi A4;
front and rear axle bolts (AWD).
17 mm: VW Passat (98-05), Audi A6 (99-04), A4 (02-05);
front and rear axle bolts (AWD).
19 mm: VW T4 & T5, Skoda Fabia.

6pc 12pt. Flank deep impact socket (85 mmL)
27 mm: Ford Powerstroke; Volvo 480 etc.
30 mm: BMW E36, E46; Citroen Saxo; Ford Galaxy;
Mercedes W123, W124, W126, W129, W201, W203, W211; Opel Astra F, Astra G;
Renault Scenic, Clio, Kangoo;
Toyota Avensis, Picnic;
VW Golf III, Golf IV, Lupo, Touareg, T5 etc.
32 mm: Fiat Punto; Ford Escort, Mondeo;
Mercedes W140; Nissan Almera;
Opel Astra H, Vivaro; Subaru Outback etc.
34 mm: GM Motors.
35 mm: Mazda.
36 mm: Audi; BMW E36, E39, X5; Ford Transit;
Seat Ibiza, Cordoba; Nissan Primera;
VW Polo, Golf V, Touareg etc.

Axle spindle rethreading set



909T5 10/16/17/1.2' 1430g

- 9pcs Tread restoring die set used to clean or repair axle thread on spindles of M24 x 2.0 ; M24 x 1.5 ; M22 x 1.5 ; M22 x 1.0 ; M20 x 1.5 ; M20 x 1.25 ; 13/16" x 20 ; 3/4" x 20.
- Use with 32 mm socket or wrench.

4pc CV Boot service kit



904T8 6/12.0/13.0/1.4' 1430g

Contents :

1pc CV Boot clamp pliers
1pc CV Joint boot clamp pliers
1pc CV Joint banding tool (with cutter)
1pc Drive shaft circlip squeezing pliers

CV Boot clamp pliers



62519 72/24.7/25.7/2.6' 320g

- A sturdy tool, works on earless-type clamps including those found on GM inboard CV joint.



CV Joint boot clamp pliers

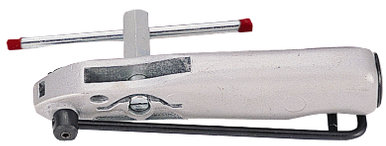


62520 48/18.2/19.2/1.5' 380g

- For ear type clamps, fits late model GM CV joint boots, also installs PERMA-QUICK type clamps quickly and easily use for filter, cooling system and vacuum lines.



CV Dust boot clamp installer with cutter



62521 36/18.3/19.3/1.8' 510g

- Use 1/2" socket wrench to wind and crimp by hand tool is easily disengaged from the band after the band is tightened.
- Cut off easily with built in cutting arm without any other tool.




CV Joint banding tool (with cutter)



62525 72/20.5/21.5/2.5' 285g

- Tool is easily removed by sliding sideways after winding has been completed.




Bent type CV boot hose clamp cutter



9T0501 48/16.8/17.8/2.0' 350g

- Designed to cut the stainless steel clamp easily.
- Avoid to harm CV boot
- With hardest material SKS III
- Use capacity for hose clamp:
  Width: under 10 mm
  Thickness: 0.5 mm - 0.7 mm



CV Boot clamp pliers



62526 36/20.5/21.5/2.1' 570g

- For all ear-type clamps.
- Application:
  Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel / Vauxhall, VW etc.
- Designed to use with extension, handle or torque wrench.



Heavy duty CV boot band pliers (with torque drive)



62527 20/19.4/20.4/1.76' 894g

- For assembly of new stainless steel clamp-bands on drive-shafts where a torque setting is required.
- The 3/8" torque wrench is ideal for providing the drive.
- Application:
  Audi, Ford, Opel / Vauxhall, Seat, Skoda, VW, etc.



CV Boot installer set (cone, boot installer)



903T1 12/16.5/17.5/3.5' 1375g

- Squeeze the arm of the installer and place the large end of the boot over. Press in the small end of the boot.
  Spray the surface of cone & boot with lubricant.
- Place the cone on the ground and center the boot over the cone.
- Holding the boot to the installer use a firm and fluent motion to press the boot to the base of the cone.
- Place the installer & cone over the joint. Drive the boot over the joint by striking the base of the installer and greasing the joint. And don't stretch over the joint until a tight fit is formed.

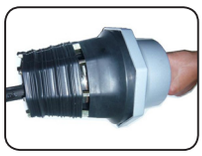


Air powered CV boot installation tool



9T0502 4/16.8/17.8/3.8' 3565g

- Innovative tool saves time, money and frustration.
- Installs flexible steering and CV boots without removing axle from the vehicle or the CV joint from the axle.
- No effort-wasting and no mess.
- Save labour time by up to 70% and prevent damage to CV joint.
- Composite body with simple control valve works from standard workshop air supply.
- Suitable for cars, small vans, light commercial vehicles.
- Material: Aluminum steel
- Capacity: Ø20-110 mm

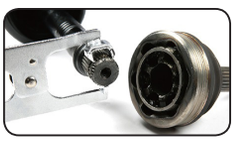


Drive shaft circlip squeezing pliers



62531 48/17/18.5/1.6' 350g

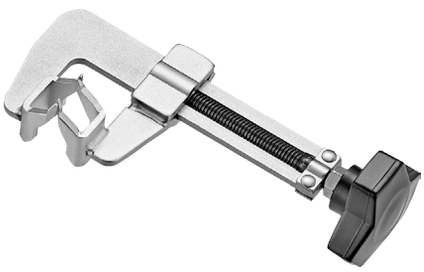
- To pre-tension the drive shaft circlip during assembly of the outer constant velocity joint.
- By holding the drive shaft circlip with special circlip pliers, the outer drive shaft splines can be easily assembled onto the CV joint.
- Suitable for:
  VW, Audi, Ford, Honda, Mazda, Mitsubishi, Nissan, Opel/Vauxhall, Seat, Skoda, Subaru, Suzuki, Toyota, etc.





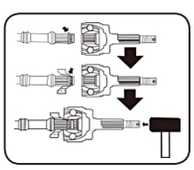
Drive shaft joint inserter

NEW



9T0209 40/8.12/9.12/2' 203g

- It is the guide of C-Ring tools.
- Compress the circlip that is spreading, and fix the fixed joint.
- C-ring can be reliably held. It can be assuredly assembled.
- Since it is a screw type, you can easily compress the circlip evenly.
- Total length: 150 mm.
- Max opening: 50 mm.

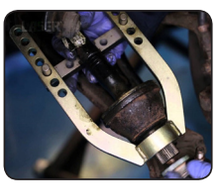


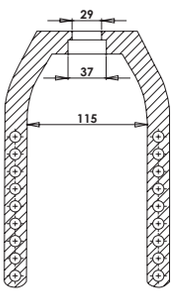
CV Joint assembly removal tool



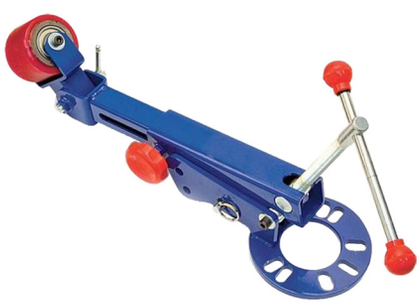
9T0505 10/21.8/22.8/1.2' 2180g

- Quickly removes the CV joint from the drive shaft without damaging the joint, and keeps hands free for releasing retaining circlip.
- Axle diameter: 29 x 37 mm
- Maximum CV joint diameter: 115 mm





Fender extending tool



9T0503 2/17.0/18.0/2.0' 8.5kg

- Use for fender collision repair or fender flaring or to increase fender clearance.
- Fit most cars and light trucks with 4 or 5 lugs.
- Roller works on fender from inside wheel well.



Transmission axle holder wrench



9T0201 10/10.5/11.5/1.54' 1050g

- This tool use for 2005 & Later Land Rover with V-8 engines.





Waste oil drain



9T3621 1/30/33/7.6' 30kg

- Capacity: 80 L.
- Special designed for no switch beneath of the hopper, and that sis not spray any oil absolutely.
- There is a filling net in the hopper that can be removed any dirty wastage on it.
- Use ordinary shop air to move out the waste oil.

Vacuum oil extracting & draining machine



9T3622 1/36/38/7.6' 36kg

- Capacity: 80 L.
- Perform dual functions - oil extracting and draining
- Uses compressed air to create a powerful vacuum to extract any kinds of oil, gasoline, diesel, water. (There are some limitations to extract the liquid.).
- Tube size:
  A: Ø6xL750
  B: Ø7xL750
  C: Ø6xL920
  E: Ø3/8"xL650
  F: Braking oil tube.



Vacuum oil extracting machine & brake bleeder



9T3623 1/13/14/1.9' 13kg

- Capacity: 12 L.
- Uses compressed air to create a powerful vacuum to extract any kinds of oil, gasoline, diesel, water, and other anytime.
- With limpid cup to check the flow anytime.
- Tube size:
  A: Ø6xL750
  B: Ø7xL750
  C: Ø6xL920
  E: Ø3/8"xL650
  F: Braking oil tube.



Pneumatic oil filling machine



9T3624 1/18/19/2.9' 18kg

- Capacity: 25 L.
- Enlarged 45 mm oil filler hole for easier to refill oil.
- With oil dispensing gun to easily control the oil filling rate.
- With a dehumidify valve to filter the water from the air compressor.
- Compressed air could be stored in the tank and use for filling oil at any place.
- A clock or digital meter can be attached to measure the volume of the refilled oil. (optional part)

Glass covered fluid extractor



9T3625 1/37/40/9.0' 37kg

- To suck liquid by vacuum.
- Append many suction tubes and applicable to oil, transmission oil, brake oil...etc.
- 12 L the design of visible glass storing oil box, it can see storing oil.
- Dual oil reservoir tank design increases the storing capacity (80 L+12 L).
- Capacity of the tank below: 80L.
- Tube size:
  A: Ø 6 x L 750
  B: Ø 7 x L 750
  C: Ø 6 x L 920
  E: Ø 3/8" x L 650
  F: Braking oil tube.



Air lubricator for grease



9T3609 1/21/23/4.2' 21kg

- Uses air as power to suck grease into lubrication points.
- Capacity: 20 L.
- Max. pressure that pump could with stand: 7-9 kgs
- Shrink rate: 1/45 - 1/50
- Volume output: 2 L/min
- Hose: 1/4" x 2 W x 3 M
- Grease output pressure: 180-405 kgs/cm
- Deliver rate: 30 cc/sec.
- Suit grease: 0# ~ 2#

Hand lubricator for grease



9T3610 1/7/9/2.2' 7kg

- With reservoir capacity 20 L
- It is suitable for general lubricant and gear oil.
- 3.5 g/cycle
- Hose: 1/4" x 1 W x 2 M
- Suit grease: 0# ~ 1#

Hand lubricator for oil



9T3611 1/7/9/2.2' 7kg

- With reservoir capacity 20 L
- It is suitable for general lubricant and gear oil.
- 100 c.c./cycle
- Hose: 1/2" x 2 M PVC yarn pipe
- Suit oil: 10# ~ 90#

9 Liters manual / pneumatic fluid extractor



9T3606

2/9.5/11.5/4.3' 4.75kg

- A large 9.0 Liter (2.35 gallon) capacity of manual & pneumatic fluid extractor, can be used to extract many kinds of non-explosive liquids.
- Completely automatic using normal shop air, or using hand pump without shop air.
- New safety design, when the tank is full of liquid, air inlet mechanism will be shut off automatically.
- Working pressure: 70-170 PSI/4.9-11.9 BAR
- Air inlet: 1/4"
- Air consumption: 5 CFM

9 Liters pneumatic fluid extractor



9T3606P

3/12/13/4.5' 4kg

- A large 9.0 Liter (2.35 gallon) capacity Pneumatic fluid extractor, can be used to extract many kinds of non-explosive liquids.
- Completely automatic using normal shop air, no electric spark, safety for workshop.
- New safety design, when the tank is full of liquid, air inlet mechanism will be shut off automatically.
- Working pressure: 70-170 PSI/4.9-11.9 BAR
- Air inlet: 1/4"
- Air consumption: 5 CFM

9 Liters manual fluid extractor



9T3606M

2/9.5/11.0/4.3' 4.75kg

- A large 9.0 Liter (2.35 gallon) capacity Manual fluid extractor, can be used to extract many kinds of non-explosive liquids.
- Completely using hand pump when you stay out of door.
- New safety design, when the tank is full of liquid, the unit will be shut off automatically.

5.5 Liters pneumatic fluid extractor



9T3607 4/9/10/3.72' 2100g

- A versatile, portable, air operated fluid extractor for extracting fluids from crankcases, transmission cases, cooling systems and power steering reservoirs.
- This ideal tool designed to be used with many kinds of non-explosive liquids.
- Completely automatic using normal shop air.
- New safety design, when the tank is full of liquid, air inlet mechanism will be shut off automatically.
- Working pressure: 70-170 PSI/4.9-11.9 BAR
- Air inlet: 1/4"
- Tank capacity: 5.5 L
- Air consumption: 5 CFM

15-Liter pneumatic/manual fluid extracting/filling

NEW



9T3613 2/8.9/11.9/3.92' 4275g

- Large reservoir capacity of 15L designed for daily professional use.
- 3.5ft fluid dispensing hose features brass shut-off valve and connector for use with most common transmission adapters.
- Store and lock pump handle locks in place when stowed for a convenient carry handle.
- Unique design, with the pneumatic extracting and manual filling (draining).
- Working pressure: 70-170 PSI/4.9-11.9 BAR
- Air inlet: 1/4"PT
- Tank capacity: 15 Liter

Pneumatic brake fluid extractor / refilled kit



9T3608 2/5.0/5.8/2.3' 2.6kg

- The unit creates a powerful vacuum that is used to bleed and flush hydraulic brakes and clutches.
- Large, stable base so it won't tip, requires no special adaptors.
- Automatic refilling of the master cylinder reservoir while bleeding.
- Universal drain valve fits to most standard recycling system.
- Working pressure 70-170 PSI/4.9-11.9 BAR
- Air inlet: 1/4"
- Air consumption: 5.0 CFM
- Extracting tank capacity: 2.0 L
- Refilling bottle: 1.0 L

Oil drain tray



9T3706 / 9T3707

	Volume		
Part no.	L	packing	g
9T3706	8	10/5.4/6.4/3.2'	540
9T3707	16	10/9.5/11.0/5.0'	950

- Material: PE
- Dish to save the slop oil.
- Special design on rim for prevent the oil comes out.
- And the producing hole also has special design to pour out the oil.
- Molded handles and 45° spout permit easy handling and pouring.

Oil drain tray



9T3708

5/9/11/5.6' 1800g

- Volume: 24 L
- Material: PE

Oil drain tray

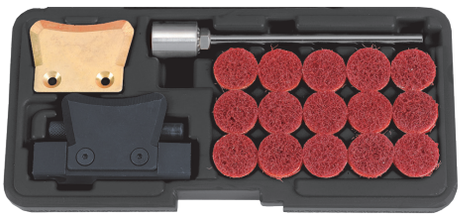


9T3710 9T3709

9T3709 / 9T3710

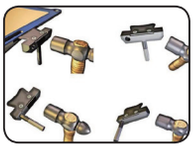
	Volume		
Part no.	L	packing	g
9T3709	6	10/6.5/8.5/6.3'	665
9T3710	10	10/10.0/12.0/9.0'	1000

Replaceable oil pan separator and clean set



919T1 50/18.5/19.5/1.42' 360g

- Breaks gasket seals on engine sumps, transmissions or any difficult to separate gasket joints.
- The copper blade could avoid damage on gasket or oil pan connection joint surface.
- Clean up wheel tool helps use to clean all small spaces on cylinder head.



Replaceable gasket separator

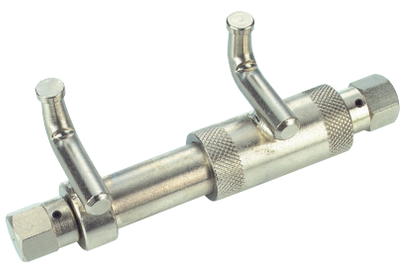
NEW



902T7 100/17/18/0.76' 174g

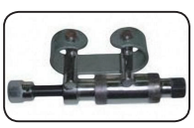
- Tool for separating old sealant on oil pan.
- High quality SK-5 blade provides satisfactory sealant separation.
- Can also use on cylinder head cover, transmission pan, differential covers and other sealant joints in a vehicle.

Exhaust spring clamp remover / installer

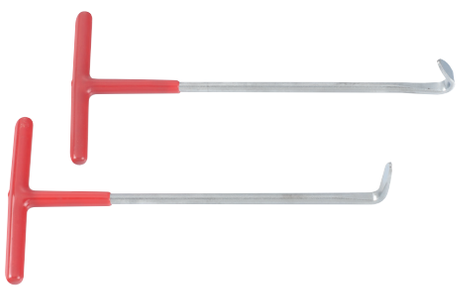


9T0301 48/21.5/22.5/2.0' 448g

- Essential for safe, controlled removal of clamps attaching exhaust to manifold.
- Special design provides “LEVERAGE” required to expand the strong spring clamps.
- For Volkswagen.

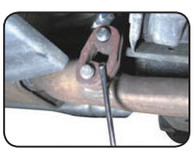


2pc Rubber ring hook tool set



902T1 72/18.5/19.5/6.0' 220g

- Special designed to pull the rubber ring which connected with exhaust tube.
- One hooked end and one flat end.



Exhaust hanger removal tool



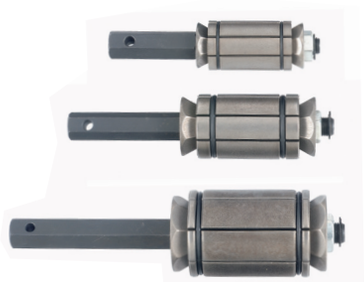
9T0316 20/16.5/17.5/2' 705g

- Easily remove exhaust rubber hanger for a wide range of applications.



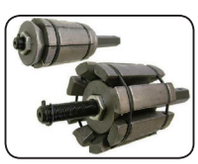
3pc Tailpipe expanders set

903T3A
903T3B
903T3C



903T3 7/20.0/21.0/0.9' 3kg

- Heavy-duty tools flare and expand in mufflers and tailpipes. Features exist long hex bar.
- Three sizes fit all automotive applications.
- Capacity:
  903T3A: 1-1/8" to 1-3/4" (29-44 mm)
  903T3B: 1-1/2" to 2-7/16" (38-62 mm)
  903T3C: 2-1/8" to 3-7/16" (54-87 mm)





Magnetic adjustable camber gauge



688 12/6.1/7.1/1.3' 510g

- It has a simple leveling adjustment of +/-3°.
  Housed in a durable, non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.
- Time / Money saving device.
- Return a strut to its original camber after repair or replacement.
- Measure camber change before reinstalling alignment heads during camber kit installation.
- Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.



Magnetic adjustable camber gauge



68801 30/15.0/16.5/1.8' 500g

- It has a simple leveling adjustment of +/-3˚.
  Housed in a durable, non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.
- Time/money saving device
- Return a strut to its original camber after repair or replacement.
- Measure camber change before reinstalling alignment heads during camber kit installation.
- Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.
- Gauge can be preset at any angle 0°～90° before waking adjustment.

Camber adjustment tool for BMW rear axles



902T2 20/13.0/14.0/0.4' 634g

- Ideally suited for adjusting the camber on the rear axle.
- The rear wishbones can be moved with this, and therefore setting the camber.
- Without this tool the correct and exact adjustment of the camber is almost impossible.
- Application range: BMW 3 series, (E36, E46) .

Transmission clutch spring compressor



9T0317 12/16/17/1.8' 800g

- For removing and installing the transmission rear clutch piston snap ring.
- Adjustable, for most models of American cars and light trucks.



Transmission rubber mount bush installer & remover

NEW

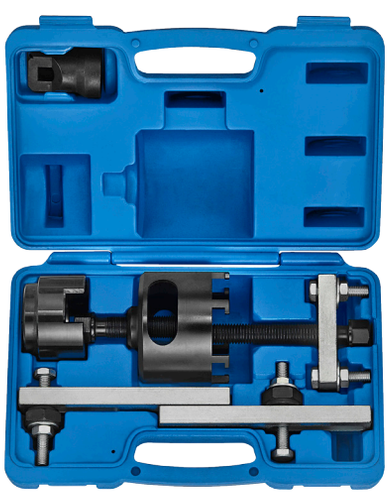


913T3

3/20.7/21.7/1.2' 6892g

- Special tool to replace the rubber mount bush of BMW transmission.
- Application:
  BMW: E90, E91, E92, E60, E61, F07, F10, F11, F01, F02, E84.
- Transmission type: ATC300, ATC350, ATC35L, ATC450.

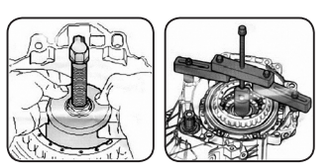
VW / AUDI 7-Speed DSG clutch installer and remover



905T11

5/20/21/1.5' 5065g

- This tool is designed to install and remove the clutch of gearbox.
- Application:
  VW: Golf (04-present), Golf Plus (05-present), Touareg (03-present) with 6-speed gearbox (code 08D)
  Audi A3 (04-present) with 7-speed gearbox (code 0AM)



VW / AUDI 7 Speed DSG clutch installer & remover

NEW

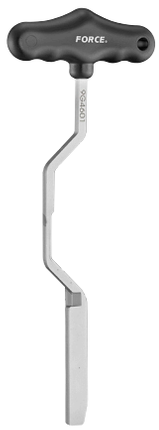


909T9

2/25/26/1.9' 12500g

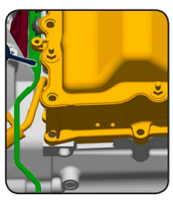
- This tool is designed to install and remove the clutch of gearbox (0AM, 0CW).
- Application:
  VW: Golf (04~), Golf Plus (05~), Touareg (03~) with 6-speed gearbox (code 08D), Touran (16~) with 7-speed gearbox (code 0CW)
  Audi: A3 (04~) with 7-speed gearbox (code 0AM)

7-Speed DSG mechatronic unit remover for VW / AUDI / SEAT



9G4601 60/10.1/11.1/2' 154g

- Specially designed to remove load from plungers of mechatronic unit when you insert the tool between clutch lever and gear housing.
- Applicable:
  VW, Audi, Seat 7-speed dual clutch gearbox.



DSG Transmission filter wrench for VAG - short version

NEW



9T0207 48/12/13/1.78' 250g

- Specially designed to remove and install the transmission filter housing cover when changing the transmission filter on the DSG gearbox in VW, Audi, Skoda and Seat vehicles.
- The oil change can be done without removing the battery, saving time.
- 1/2"DR. x 24 mm x 100 mmL.
- Shorter version available for common rail engines.



DSG Transmission filter wrench for VAG

NEW



9T0207L 48/12/13/1.78' 320g

- Specially designed to remove and install the transmission filter housing cover when changing the transmission filter on the DSG gearbox in VW, Audi, Skoda and Seat vehicles.
- The oil change can be done without removing the battery, saving time.
- 1/2"DR. x 24 mm x 138 mmL.



8pc Auto transmission filling system



908T9 2/10.0/11.2/3.4' 4700g

- The unit is designed to fill fluid into the transmission, differentials and transfer cases.
- Capacity: 7.5 L
- Outlet: 80 cc/cycle
- Viscosity range: up to SAE 140
- Adaptor material: Steel
- Application:
  Suits Honda, Nissan, BMW, Audi, VW, DSG, Porsche, Mini Cooper, Mercedes Benz, etc.





12.5 Liters manual / pneumatic fluid refilling set

NEW



912T8 2/10/11/3.5' 4724g

- Set for refilling fluids such as ATF, gear oil and differential oil.
- Especially designed for vehicles without a transmission dipstick.
- A combination of pneumatic and manual functions allow energy-saving work and precise refilling.
- 12.5L large tank suitable for transmissions that require large refill volume.
- Adaptor material: Nylon

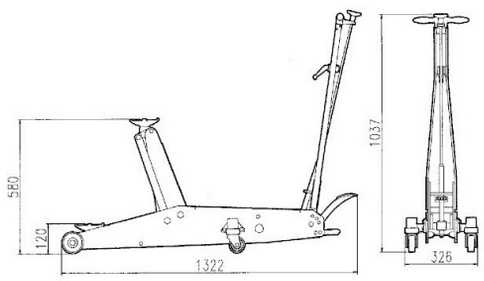


Service jack 3 Ton



9U3921 1/67/71/4.6' 67kg

- Ideally suited for all automotive, agriculture and light truck repair facilities.
- Pump is operated by both activating foot pedal to provide speed to contact the load, and activating "T" handle to lift it.
- Hydraulic power unit with dust seals to prevent oil contamination.
- Large heavy duty rear swivel caster wheels provide easy maneuvering and positioning of jack.



Jack stands



9U390	Capacity	Height range	Base size		
Part no.	ton	mm	mm	packing	kg
9U3901 (one pair)	3	270-420	177x194	1/6.0/6.6/0.66'	6.0
9U3902 (one pair)	3	290-440	177x194	1/6.6/7.2/0.66'	6.6

- These models incorporate a lever and ratchet assembly for adjusting the height.
- Same as Model 9U3902 but these models are newly designed with rubber pads which can prevent the auto body from damage.

Jack stands



9U390	Capacity	Height range	Base size		
Part no.	ton	mm	mm	packing	kg
9U3903	12	456-710	ψ467	1/18.5/19.5/0.7'	18.5
9U3904	12	614-868	ψ590	1/21.0/22.0/1.0'	21.0
9U3905	12	710-1065	ψ670	1/25.0/26.0/1.0'	25.0

- These models are designed for use with trucks, height adjustment is made using the knurled nut and threaded stud.



Truck

4-1 **IVECO truck tool**

4-1 **BENZ truck tool**

4-2 **MAN truck tool**

4-7 **BPW truck tool**

4-10 **SCANIA truck tool**

4-14

4-14 **VOLVO truck tool**

4-19 **General truck tool**



4-32

IVECO Axle nut socket 110mm



9T1405 8/19/20/1.37' 2375g



- Six sided drive H 36.
- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Special steel.
- Application range: Iveco Eurotech Cursor HA, etc.

SW mm	H mm	Outer ømm	L mm
110	36.0	134.0	118.0

IVECO Axle nut socket 98mm



9T1406 8/18/19/1.37' 2250g

- Six sided drive H 36.
- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Special steel.
- Application range: Iveco Euro Cargo, etc.

SW mm	H mm	Outer ømm	L mm
98.0	36.0	122.0	117.0

3/4"DR. BENZ Star impact socket (E30)

NEW



46611030		l		
Part no.	Size	mm	packing	g
46611030	E30	110	30/26/27/0.4'	800

- Application range:
  Mercedes Bus (405), Unimog (437), Econic (956),
  Actros (963), Arocs (964), Atego (967), Zetros (949)

BENZ Axle nut socket 95mm



9T1407 8/21/22/1.42' 2625g

- Six sided drive H 36.
- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Special steel.
- Application range: Mercedes Benz axle trailers.

SW mm	H mm	Outer ømm	L mm
95.0	36.0	118.0	157.0

BENZ Rear axle nut socket 105-125 mm



9T1408 6/17.8/18.8/0.9' 2965g

- Rigid locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range:
  Mercedes Benz Actros rear axle, HL/HL 8 (Hypoid), etc.

Inner ømm	Outer ømm	L mm	Stud ømm	Stud	Stud width mm
105.0	125.0	180.0	116.0	6.0	10.0

BENZ & MAN Rear axle nut socket 80-95 mm



9T1426 12/19.6/20.6/1.1' 1630g

- Rigid locating tube.
- Optional with expander sleeve (bayonet locking system).
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range:
  Mercedes Benz Atego rear axle, Vitaro 814 and MAN, etc.

Inner ømm	Outer ømm	L mm	Stud ømm	Stud	Locating tube ømm	Stud width mm
80.0	95.0	175.0	87.0	6.0	49.0	10.0

BENZ & MAN Rear axle nut socket 95-115 mm

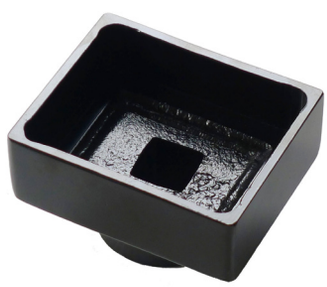


9T1427 8/23/24/0.7' 2875g

- Optional with sleeve locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range:
  Mercedes Benz and MAN 10+13t Reduction axle, Hypoid and Trailer axle NR7/4, Omnibus 0305G + 0405G, etc.

Inner ømm	Outer ømm	L mm	Stud ømm	Stud	Stud width mm
95.0	115.0	110.0	101.0	6.0	11.5

BENZ & MAN Clamp nut socket 56mm



SW mm	DR.	H mm
56.0	3/4"	53.0

9T1424 20/18.5/19.5/0.36' 925g

- For professional loosening and tightening.
- Extremely versatile.
- Rectangular form.
- Usable with rectangular clamp nuts on the axle stub.
- Suitable for exact torque with a 3/4" square drive.
- Milled-out profile.
- For machinery usage.
- Special steel.
- Application range:
  DAF, MAN trucks, Benz trucks, Benz buses, Kassbohrer, Setra.

BENZ & MAN Clamp nut socket 60mm



SW mm	DR.	H mm
60.0	3/4"	53.0

9T1425 20/16.3/17.3/0.36' 815g

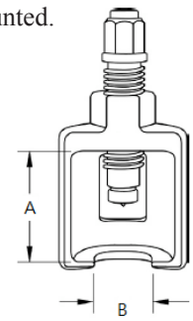
- For professional loosening and tightening.
- Extremely versatile.
- Rectangular form.
- Usable with rectangular clamp nuts on the axle stub.
- Suitable for exact torque with a 3/4" square drive.
- Milled-out profile.
- For machinery usage.
- Special steel.
- Application range:
  Benz SK, Actros, MAN 9 tons strengthen, DAF, Kassbohrer, Setra

3/4"DR. BENZ & MAN Pitman arm puller 42mm



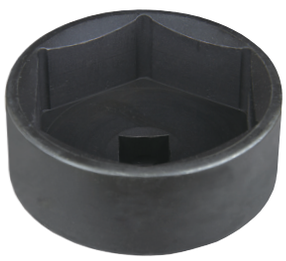
6281842 6/22.0/23.0/0.66' 3666g

- Pressure pieces in the spindle rotating mounted.
- Save time and labor.
- No need to destroy the pitman arm.
- Cast forged execution.
- Special steel.
- Size: 3/4"DR. 63(A) x 42(B) mm
- Application: Benz Actros & MAN 414



BENZ Truck filter wrench 46mm

NEW



61939 100/21.5/22.5/1.0' 250g

- To remove the oil filter of Benz truck.
- Size: 3/8"DR. 6 point, 46 mm.
- Application:
  Benz Truck Actros, Atego, Axor and Econic...

MAN TGA Drive axle nut socket 133-145 mm



9T1410 4/18.6/19.6/1.3' 4650g

- Six sided drive H 60.
- Optional with sleeve Locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range:
  MAN TGA 460 drive axle, V9-82L-01 (Disk brake/ABS), etc.



Inner ømm	Outer ømm	L mm	Stud ømm	Stud	Stud width mm
133.0	147.0	160.0	118.0	6.0	12.0

MAN TGA Front axle nut socket 133-145 mm



9T1409 4/15.3/16.3/0.7' 3825g

- Six sided drive H 60.
- Optional with sleeve Locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range:
  MAN TGA Front axle, V9-82L-01(Disk brake/ABS), etc.

Inner ømm	Outer ømm	L mm	Stud ømm	Stud	Stud width mm
133.0	147.0	110.0	118.0	6.0	12.0

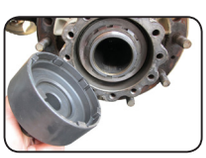
MAN TGA Front axle nut socket 101-110 mm



9T1411 8/21.5/22.5/0.5' 2687g

- Six sided drive H 60
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range:
  MAN TGA Front axle, V9-82L-01 (Disk brake/ABS),etc.

Inner ømm	Outer ømm	L mm	Stud ømm	Stud	Stud width mm
101.0	110.0	80.0	93.0	6.0	7.2



MAN Truck transmission socket 53.5mm



9T1412 6/8/8.7/0.43' 1311g

- This special socket removes, transmission nut on MAN trucks.

Inner ømm	Outer ømm	L mm	DR.	Stud ømm
53.5	72.0	75.0	3/4"	4.0

MAN Front wheel hub extractor tool 115mm



9T1429 4/16.0/17.0/1.1' 4000g

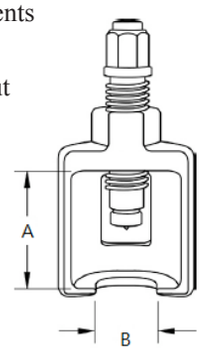
- The tool is used to remove the front-wheel hub.
- Use this tool on axle with spanner to spin the screw.
- Extremely robust execution.
- Flat oval form.
- European truck repair tool.
- Special steel.
- Specification: M115 x P1.5
- Application: Man truck

3/4"DR. MAN Pitman arm puller 67mm



6281867 4/18.4/19.4/0.66' 4600g

- The tool is designed for extracting pitman arm of MAN.
- It's different from traditional puller that prevents pitman arm from damage.
- Use H6, 70 mm socket to remove the fixed nut on the pitman arm before using this tool.
- Cast forged execution.
- Special steel.
- Size: 3/4"DR. 75(A) x 67(B) mm
- Application:
  MAN Tractor Trailer FE410A/FE414.



3/4"DR. MAN Star impact socket for HGV Cylinder head bolt (E18, E20, E22, E24)



466110		l		
Part no.	size	mm	packing	g
46611018	E18	110	30/15.0/16.0/0.4'	520
46611020	E20	110	30/16.2/17.2/0.4'	540
46611022 NEW	E22	110	30/17.4/18.4/0.4'	580
46611024	E24	110	30/17.7/18.7/0.4'	591

- For HGV cylinder head bolts.
- Applications:
  - 46611018 For MAN commercial vehicles M2000 and Man buses with D08 engines.
  - 46611020 For MAN commercial vehicles F2000, F90, F8 and Man buses with D25 and D28 engines.
  - 46611022 For MAN new TGA engines.
  - 46611024 For MAN commercial vehicles with D20 engines

BPW Rear hubcap nut socket 111mm



9T1417

6/17/18/0.6' 2833g

- Special heavy duty oval shape socket with two flats on the side to suit BPW rear axle hub retaining cap nuts fount on later model Japanese commercial trucks, tractors and other automotive industrial equipment.
- For extracting the rear axle cover.
- Male Hex drive: 1-5/8" (41 mm)
- Size: 4-3/8" (111 mm) Across the flats.
- Application range: BPW 12 tons

Inner ømm	Outer ømm	L mm	H mm
111.0	132.0	94.0	41.0



BPW Rear hubcap nut socket 95mm



9T1420

6/15/16/0.6' 2500g

- For extracting the rear axle cover.
- Application: BPW 6.5-9 tons truck.



BPW Rear hubcap nut socket 120mm



9T1416

6/18/19/0.6' 3000g

- Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts fount on later model Japanese commercial trucks, tractors and other automotive industrial equipment.
- Male Hex drive: 1-5/8" (41 mm)
- Size: 4-3/4" (120 mm) 8 point opening
- Application range: BPW former 16 tons

Inner ømm	Outer ømm	L mm	H mm
120.0	143.0	95.0	41.0

BPW Rear hubcap nut socket 109mm



9T1418 6/15/16/0.6' 2500g

- Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts fount on later model Japanese commercial trucks, tractors and other automotive industrial equipment.
- Socket for the rear axle cover.
- Male Hex drive: 1-5/8" (41 mm)
- Size: 4-5/16" (109 mm) 8 point opening
- Special steel
- Application range: BPW 12 tons

Inner ømm	Outer ømm	L mm	H mm
109.0	129.0	94.0	41.0

BPW Axle nut socket 65mm



9T1419 4/15.5/16.5/0.5' 3875g

- For the dismantling and assembly of BPW axle nuts
- Extremely versatile
- Flat oval form
- Suitable for exact torque with a 3/4" square drive
- For machinery usage
- Special steel
- Application range: 6.5-9 tons trucks

Inner ømm	Outer ømm	L mm	H mm
65.0	82.0	66.0	36.0

BPW Axle extractor 135mm



9T1430 2/13.5/14.5/0.6' 6750g

- Use this tool on axle with spanner to spin the screw.
- Extremely robust execution.
- Flat oval form.
- European truck repair tool.
- Special steel.
- Specification: M135 x P2.0
- Application: BPW ECO 10-12 tons old model.



BPW Axle extractor 136mm



9T1431 2/13.5/14.5/0.6' 6750g

- Use this tool on axle with spanner to spin the screw.
- Extremely robust execution.
- Flat oval form.
- European truck repair tool.
- Special steel.
- Specification: M136 x P2.5.
- Application:
  BPW ECO Plus 8-12 tons, BPW ECO 10 tons new model.

BPW Axle extractor 155mm



9T1432 2/13.5/14.5/0.6' 6750g

- Use this tool on axle with spanner to spin the screw.
- Extremely robust execution.
- Flat oval form.
- European truck repair tool.
- Special steel.
- Specification: M155 x P3.0
- Application: For former model of 16 tons truck.

BPW Axle extractor 125mm



9T1433 4/16/17/1.1' 4000g

- Use this tool on axle with spanner to spin the screw.
- Extremely robust execution.
- Flat oval form.
- European truck repair tool.
- Special steel.
- Specification: M125 x P2.0
- Application: For former 12 tons trailer.

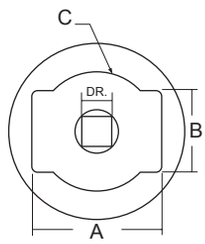
3/4"DR. Wheel capsule and axle nut socket



9T1435	A	B	C		
Part no.	mm	mm	mm	packing	g
9T1435A	65	40	60	12/8.5/9.5/0.54'	680
9T1435B	80	50	72	16/19/20/0.65'	1187
9T1435C	85	50	80	16/17/18/0.65'	1062
9T1435D	95	40	68	12/19/20/1.20'	1583
9T1435E	110	45	107	10/20/21/1.00'	2000
9T1435F	120	48.5	115	8/20/21/1.10'	2500

- For clean, easy loosening and tightening of flat oval wheel capsules and axle nuts for BPW axles.
- For the dismantling and assembly of grease capsule on BPW axles.





SCANIA Front wheel nut socket 80mm



9T1422 12/21.6/22.6/0.65' 1800g

- This eight sided 80 mm socket is specifically for front-wheel nut sockets on Scania trucks.
- Scania front-wheel nut socket.

Inner ømm	Outer ømm	L mm	DR.
80.0	100.0	90.0	3/4"



SCANIA Front wheel nut socket 100mm



9T1423 6/17.0/18.0/0.5' 2833g

- Control the nut with slide rod to adjust bearing.
- This eight sided 100 mm socket is designed specifically for rear wheel nut sockets on Scania trucks.

Inner ømm	Outer ømm	L mm	DR.
100.0	123.0	84.0	3/4"

SCANIA Transmission clutch front main shaft socket

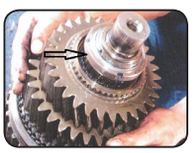


9T1421

10/18.5/19.5/0.8' 1850g

- This special socket removes.
- European truck repair tool.

Inner ømm	Outer ømm	L mm	Stud	Stud width mm	DR.
72.5	92.0	76.1	4.0	6.75	3/4"



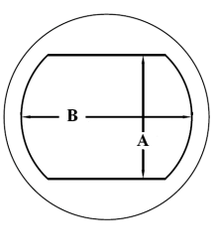
3/4"DR. SCANIA Front - wheel shock absorber spring socket



9T1436

40/17.5/18.5/0.83' 444g

- To apply for Scania front-wheel shock absorber spring screws removal / installation.
- European truck repair tool.
- Size: 3/4"DR. 28.5(A) x 37.4(B) mm
- Application: Scania





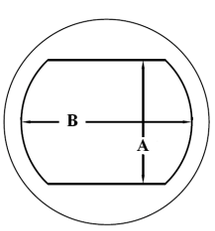
3/4"DR. SCANIA Rear axles damper rod socket



9T1437

24/15/16/0.42' 625g

- To apply for Scania rear axles damper rod screws removal / installation.
- European truck repair tool.
- Size: 3/4"DR. 34.5(A) x 47.5(B) mm
- Application: Scania



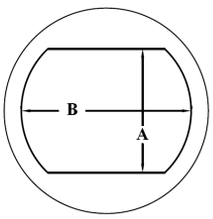


3/4"DR. SCANIA Rear wheel shock absorber spring socket



9T1438 24/15/16/1.0' 625g

- To apply for Scania rear wheel shock absorber spring screws remove / install.
- European truck repair tool.
- Size: 3/4"DR. 34.5(A) x 56(B) mm
- Application: Scania



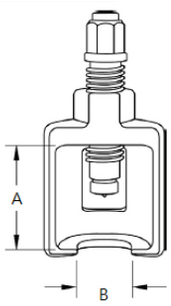


3/4"DR. SCANIA Pitman arm puller 58mm



6281858 4/23/24/0.77' 5716g

- To use on pitman arm of European trucks. No need to destroy the pitman arm.
- Cast forged execution.
- Special steel.
- Size: 3/4"DR. 75(A) x 58(B) mm
- Application: European truck, such as Scania.



3/4"DR. SCANIA Star impact socket



466110		l		
Part no.	Size	mm	packing	g
46611028	E28	110	30/21/22/0.4'	700
46611032 NEW	E32	110	30/26/27/0.4'	869

- To remove and install the bolt of crankshaft bearing cap.
- Applicable: Scania Ti engine.

1/2"DR. SCANIA Truck camshaft rotator tool



9K0101 100/22.6/23.6/0.45' 226g

- This tool is designed to rotate the camshaft for timing on Scania truck engines.
- Size: Spline tooth x 1/2"DR.



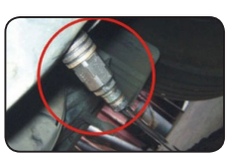

SCANIA Radiator quick adapter

NEW



9G0733 80/12.4/13.4/1.2' 138g

- Specially-designed female adapter for radiator when purge & refill radiator liquid.
- Application:
  Scania (340/360) trucks and buses.



Caliper adjuster socket 24mm



9T1439 100/17/18/2.0' 170g

- Size: H24, 5 teeth, 46 mmL.
- Barreled round shape.
- Material: SCM440.
- Application:
  Most European trucks, such as Scania, Volvo…etc.

Axle nut socket 140mm



9T1428 4/17.5/18.5/1.36' 4375g

- Positive drive of the axle nut.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Ideally suited for brake restoration working.
- Forward tension with SW 32 mm is at 150 N-m.
- Angle of rotation 20-30 with SW 46.
- Special steel.
- Application range: SAF Euro axle, etc

Inner ømm	L mm	H mm
140.0	135.0	32.46



1/2"DR. VOLVO Camshaft rotator tool



9K0102 20/16.0/17.0/0.9' 744g

- Special 1/2" drive tool for rotating the engine and camshaft for the setting the timing on Volvo diesel truck engines.
- Applicable: Volvo engines D9A, D12, D16C.

VOLVO Flywheel turning tool



9K0103 50/19/20/0.46' 388g

- Special design to rotate the flywheel of crankshaft for correcting the timing position.
- Applications:
  Volvo/Renault MP8, MP10 engines.

VOLVO / SCANIA Wheel shaft cover socket 115 mm



9T1440 6/18.0/19.0/0.6' 3kg

- For dismantling the front / real wheel axle cover of Volvo
- Size: 3/4"DR., 8 point, 115 mm

VOLVO Truck axle nut socket 105mm



9T1441 6/18/19/0.6' 3kg

- Fix bearing while removing or installing the truck nut.
- Use the air wrench or rod to control the nut to tighten or loosen bearing.
- Size: 1"DR., 6 point, 105 mm

VOLVO Truck axle nut socket 95mm



9T1442 6/17.5/18.5/0.6' 2916g

- Fix bearing while removing or installing the truck nut.
- Use the air wrench or rod to control the nut to tighten or loosen bearing.
- Size: 1"DR., 6 point, 95 mm

VOLVO King pin upper cover socket 80mm



9T1443 10/15/16/1.0' 1500g

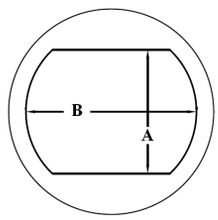
- To remove king pin upper cover.
- Size: 3/4"DR., 6 points, 80 mm
- Applicable: Volvo FM12

VOLVO Rear wheel shock absorber spring washer removal socket



9T1445 24/19.2/20.2/0.86' 800g

- Use for VOLVO rear wheel shock absorber spring washer removal socket.
- Size: 3/4"DR., 28.5(A) x 43.5(B) mm, height 60 mm
- Applicable: Volvo rear axle e.g. FH, for removal and installation of leaf spring bolts on the spring.

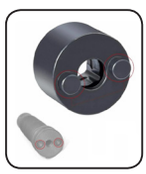


VOLVO Front wheel shock absorber spring washer removal socket



9T1446 60/10.8/11.8/0.55' 180g

- Special two pin socket for removal and replacement of spring washer holding the front wheel shock absorber on Volvo trucks.
- Pin diameter: 8.73 mm
- Circle diameter: 37 mm
- Drive size: 27 mm Hexagon
- Applicable: Volvo e.g. FL6, F10, F12



VOLVO Truck shock absorber upper base nut extractor / installer



9T1447

30/22.0/23.0/1.23' 733g

- For extracting and installing the shock absorber upper base nut of Volvo truck.
- Size: 3/4"DR., 53 mm Dia. 4 lugs.



VOLVO Truck front / rear brake shoe lining inside caliper



9T1448

10/19.5/20.5/1.76' 1950g

- Extend wide open to hold brake shoe steel by locking the Inside caliper tool to the anchor bolts. Take out the brake shoe bolts and change the new brake shoe linings.
- Applicable: All kinds of Volvo trucks.



VOLVO Truck fan bearing base socket



9T1449

24/19.5/20.5/0.8' 812g

- This special four lug socket is used to remove the fan base bearing on engines fitted to Volvo trucks.
- Applicable: All kinds of Volvo trucks.

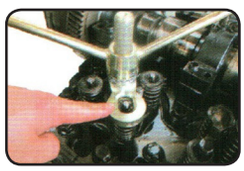
VOLVO (FM12) valve spring compressor tool

NEW



62115 10/20/21/1.8' 2000g

- For assembly and disassembly of valve springs and valves.
- Application: Volvo FM12.



VOLVO (FM12) truck injector sleeve remover / installer set

NEW



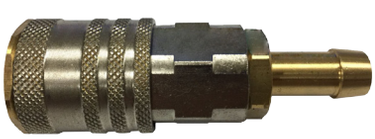
904T9 6/20/21/1.0' 3340g

- This tool is designed for installing and removing sleeve.
- You need this tool to change the sleeve, when the truck seems powerless or it smokes with black clouds.
- Application: Volvo FM 12 Truck.



VOLVO Radiator quick adaptor

NEW



9G0735 80/12.4/13.4/1.2' 155g

- Specially-designed female adapter for radiator when purge & refill radiator liquid.
- Application: Volvo trucks.



Sleeve locating tube 60-67 mm



9T1413

20/16.6/17.6/1.03' 830g

- Practical connector system with fixing screw.
- Usable for different groove socket nuts (module systems).
- Enables stable work position.
- Prevents slippage of the socket.
- Extremely robust execution.
- Change through loosening of the grub screw on the hexagon.
- Special steel.

Inner ømm	Outer ømm	L mm
60.0	67.0	140.0

Sleeve locating tube 54-60 mm



9T1414

20/13.8/14.8/1.03' 690g

- Practical connector system with fixing screw.
- Usable for different groove socket nuts (module systems).
- Enables stable work position.
- Prevents slippage of the socket.
- Extremely robust execution.
- Change through loosening of the grub screw on the hexagon.
- Special steel.

Inner ømm	Outer ømm	L mm
54.0	60.0	140.0

Sleeve locating tube 46-52 mm



9T1415

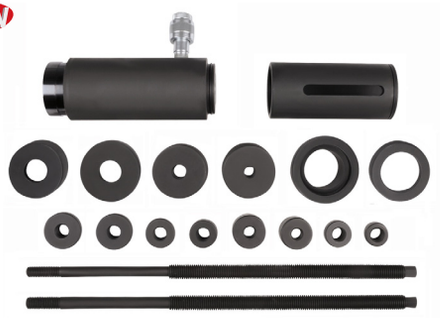
20/10/11/1.03' 500g

- Practical connector system with fixing screw.
- Usable for different groove socket nuts (module systems).
- Enables stable work position.
- Prevents slippage of the socket.
- Extremely robust execution.
- Change through loosening of the grub screw on the hexagon.
- Special steel.

Inner ømm	Outer ømm	L mm
46.0	52.0	140.0

Truck spring pin metal bush remove/install set (17 tons hydraulic cylinder)

NEW



919T2 1/12.5/13.5/0.94' 12500g

- Powerful 17 tons hydraulic cylinder helps to remove stubborn spring pins easily.
- Application:
  Calliper, Fuma, Knorr-Bremse, Pitman, Ror, York, Benz, BMW, BPW, Daf, Iveco, MAN, Scania, Volvo, Daewoo, Fuso, Hino, Isuzu, Mitsubishi, Nissan, Toyota

9pc Sockets for ball bearing nuts (outer teeth)

NEW



909T3 3/18.3/19.3/0.88' 5.8kg

- Outer-teeth sockets for ball bearing nuts.
- 1/2": KM 4, 5, 6, 7
- 3/4": KM 8, 9, 10, 11, 12

Size	◎	Nut slot	Length
KM4	Ø32	4	55
KM5	Ø38	5	55
KM6	Ø45	5	55
KM7	Ø52	5	55
KM8	Ø58	6	68
KM9	Ø65	6	68
KM10	Ø70	6	68
KM11	Ø75	7	68
KM12	Ø80	7	68





Socket for ball bearing nuts (outer teeth)

NEW



9TS4KM	1/2"DR.	Ø	Nut slot	l		
Part no.	Size	mm	mm	mm	g	pc/box
9TS4KM04	KM4	32	4	55	176	1
9TS4KM05	KM5	38	5	55	184	1
9TS4KM06	KM6	45	5	55	228	1
9TS4KM07	KM7	52	5	55	294	1

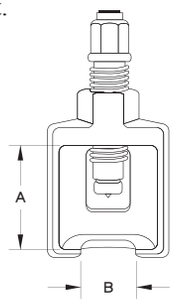
9TS6KM	3/4"DR.	Ø	Nut slot	l		
Part no.	Size	mm	mm	mm	g	pc/box
9TS6KM08	KM8	58	6	68	560	1
9TS6KM09	KM9	65	6	68	734	1
9TS6KM10	KM10	70	6	68	828	1
9TS6KM11	KM11	75	7	68	954	1
9TS6KM12	KM12	80	7	68	1074	1
9TS6KM13	KM13	85	7	68	1164	1
9TS6KM14	KM14	92	8	68	1240	1

Pickup truck & bus ball joint extractor 30mm



6281830 15/5/6/0.6' 980g

- For removal the track rod end arm from the drag link.
- The best tool for removal light truck ball joint.
- Size: 60(A) x 30(B) mm
- Application:
  All light trucks. Such as BMW (E39),
  Benz (W203, W210, W211, W220, W221),
  Mitsubishi Delica, Canter, Toyota Dyna

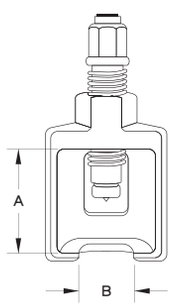


Medium sized wagon ball joint extractor 32mm



6281832 8/22.6/23.6/0.69' 2820g

- The best tool for removal truck ball joint.
- No damage to ball joint and related parts.
- Size: 92(A) x 32(B) mm
- Application:
  3.5-8.8 tons trucks.

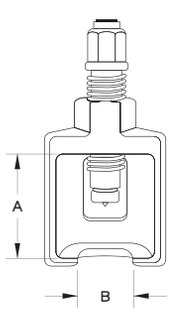


Truck ball joint extractor 39mm



6281839 8/27.2/28.2/0.69' 3400g

- The best tool for removal truck ball joint.
- No damage to ball joint and related parts.
- Size: 60(A) x 39(B) mm
- Application:
  Scania, Mercedes Benz,
  MAN, Hino over 4tons truck.

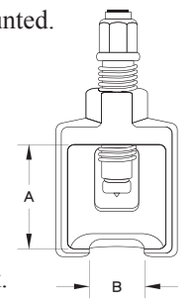


3/4"DR. Ball joint puller 47mm



6281847 6/22.8/23.8/0.66' 3800g

- Pressure pieces in the spindle rotating mounted.
- Spindle suitable for impact wrenches.
- Less space required.
- Cast forged execution.
- Special steel.
- Size: 3/4"DR. 63(A) x 47(B) mm
- Application:
  Hino, Isuzu, UD, Fuso, 8.8-10.5 tons truck.

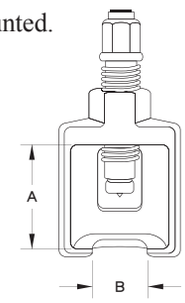


3/4"DR. Ball joint puller 62mm



6281862 4/18.4/19.4/0.53' 4600g

- Pressure pieces in the spindle rotating mounted.
- Spindle suitable for impact wrenches.
- Put is on steering mechanism pitman arm, then take pitman arm apart.
- Cast forged execution.
- Special steel.
- Size: 3/4"DR. 75(A) x 62(B) mm
- Application:
  15-35 tons of Hino, Isuzu, Nissan, Fuso truck and bus.



Reverse action wheel stud thread restorer kit - Truck



905K1 20/16.5/17.5/1.1' 840g

- Unique design allows the two halves of the thread restorer to be fitted on the good thread and wound back over the damaged thread, normally at the end of the stud.
- Traditional thread restorers rely on luck for the restored and undamaged threads to align.
- Three sizes of product a set of capacity:
  M18 x 1.5, M20 x 1.5, M22 x 1.5, 7/8"-11 BSFl
- Applications:
  M18 x 1.5: DAF, Iveco, Man, Renault, Volvo
  M20 x 1.5: Mercedes, Scania
  M22 x 1.5: DAF, Ford, Man, Renault, Volvo, Mercedes, Scania
  7/8"-11: Scania

Hydraulic HGV ball joint separator



903T2 2/14/15/1.0' 7000g

- For separating HGV ball-joint. Strengthened fork and lever allows for greater force to be applied.
- Remove ball joints easily where space prevents use of direct action method.
- Jaw opening capacity 70 mm; Jaw width 36 mm.
- Patented hydraulic ram provides max. 12 tons.
- SCM 440 material.

11pc 3/4"DR. Truck wheel deep impact socket set (S&M)



6113 3/27.5/28.5/1.2' 9150g

2pc	17; 21 mm (90 mmL)
1pc	13/16" (90 mmL)
4pc	33; 35; 38; 41 mm (100 mmL)
4pc	1-1/16"; 1-1/8"; 1-1/4"; 1-1/2" (100 mmL)

3/4" Manual impact driver

NEW



8176 20/23/24/0.44' 1150g

- Instant impact force loosens rusted or frozen fasteners without damaging them.
- This also can be used for tightening bolts or nuts firmly while being reversible in direction.
- Clockwise and counterclockwise drive direction.

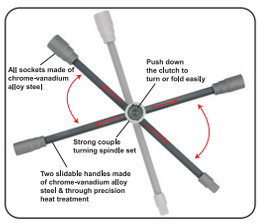


Double power lug wrench



681600 6/20.0/20.5/0.84' 3333g

- Foldable: easy to carry and store.
- Sliding: increase power.
- Deep sockets.
- Socket size:
  24, 27, 32 mm & 3/4" SQ.DR.
- Length: 600 mm

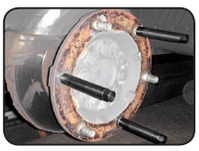


9pc Center sleeve pin set



909K1 10/17/18/1.5' 2812g

- Designed to protect the wheel threads when taking off the wheel.
- Center sleeves kit with inner thread for exactly mounting on truck wheels.
- Each kit includes 3 sleeves.
- Applications:
  M18 x 1.5: DAF, Iveco, Man, Renault, Volvo
  M20 x 1.5: DAF, Ford, Man, Renault, Volvo, Mercedes, Scania
  M22 x 1.5: Alloy wheels Man, Mercedes





Wheel stud service kit

NEW



911T3 2/20.0/21.0/1.1' 9996g

- Provides fast and effective removal and installation of even the-most-seized wheel studs on most disc and drum brake applications.
- Eliminates the risk of damage to hubs, seals, wheel bearings, and wheel studs.
- Application: For use on disc and drum brakes.



Slugging wrench for brake caliper screw

NEW



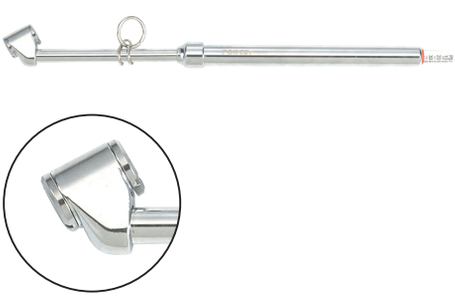


793A6			
Part no.	size	packing	g
793A618	3/4"DR. x E18	30/14.6/15.6/0.73'	488
793A620	3/4"DR. x E20	30/15.6/16.6/0.73'	520
793A624	3/4"DR. x E24	30/16.9/17.9/0.73'	564

793A9			
Part no.	size	pscking	g
793A924	3/4"DR. x M24	30/16.4/17.4/0.73'	546
793A926	3/4"DR. x M26	30/15.9/16.9/0.73'	530

- This tool is designed to loosen/tighten the brake caliper screw connections on commercial vehicles.
- Correct tightening of screws with torque wrench in accordance with the manufacturer's specifications. (Engraved with a torque conversion formula).
- Applications:
  793A618: MAN TGL/TGM
  793A620: MAN TGL/TGM
  793A624: MAN TGA/TGS/TGX
  793A924: SAF
  793A926: DAF XF/XF95/XF105/XF106

Dual head truck tire gauge



9T0405 100/18/20/3.0' 180g

- Measures from 10 to 150 PSI
- Accuracy: +/- 2PSI

Dual head truck tire gauge (Straight-on)



9T0405B 100/20.0/22.4/3.1' 200g

- Measures from 10 to 150 PSI
- Accuracy: +/- 2PSI

8pc Adjustable wheel bearing lock nut wrench



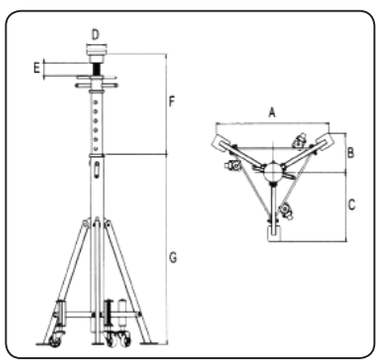
908T1 6/14.8/15.8/1.0' 2466g

- Adjustable jaws with locking feature to suit both hexagon & octagon wheel bearing lock nuts.
- Includes three sets of pins to suit lock nuts with pin holes.
- Capacity:
  6pt lock nuts: 1-3/4" to 5-1/4" (49-135 mm) across the flats
  8pt lock nuts: 1-3/4" to 5-5/8" (49-143 mm) across the flats
  Pin diameters: 1/4" (6 mm), 5/16" (8 mm), 3/8" (10 mm).




Truck jack stands



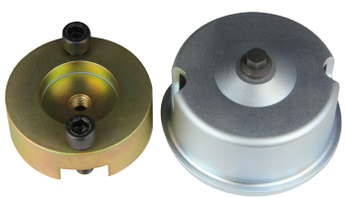


9U391	Capacity	W		
Part no.	ton	kgw	packing	kg
9U3911	6.8	47	1/43.5/46.0/3.27'	43.5
9U3912	6.8	59	1/56.0/59.0/4.67'	56.0
9U3913	15	98	2/196.0/211.0/58.3'	98.0

	A	B	C	D	E	F	G
Part no.	mm	mm	mm	mm	mm	mm	mm
9U3911	803	235.5	445	127	0	540	870
9U3912	803	235.5	445	127	70	670	1426.5
9U3913	948.5	308.5	513	127	70	700	1389

- The jack stands are of heavy-duty designand high strength legs for truck & bus support.
- 9U3911 & 9U3912 are designed with rubber pad which can prevent the truck & bus body from damage.

ISUZU Crankshaft rear oil seal installer



902K1 8/17/18/1.1' 2125g

- This tool is specially designed for preventing the oil seal from damage when installing it .
- Oil seal genuine no: BZ4962-E, 3-97071561.
- Application: Isuzu 3.5 tons (4JB1, 4JG2) (130HP / 150HP).

4pc Injector socket set



904K1 18/19.0/19.5/1.3' 1055g

- For removal replacement of the pressure nut injector holder.
- Applicable:
  Benz truck, Man, Neoplan, Setra, Iveco, Scania, Renault…etc.

HGV Diesel injector nozzle socket



9G0125 40/20/21/0.8' 500g

- The especially-designed toothed socket is for installing and removing the diesel injection nozzle on Benz, Man and Scania commercial vehicles.
- Specially-designed with window, toothed end and M14 pulling force screw.

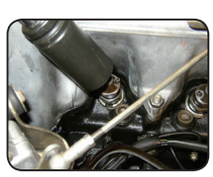
4pc Diesel injector socket set



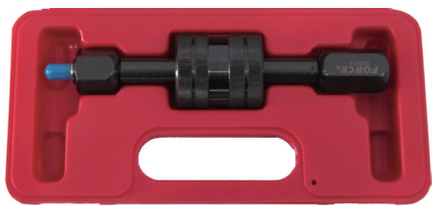
904G3 10/11.4/12.4/0.8' 1140g

- 1/2"DR. socket for diesel injector removal and installation.
- Applicable:
  Alfa Romeo, Chrysler, BMW, Ford, VW, Mercedes, Audi, Opel, Vauxhall, Seat, Volvo, Rover also on Volvo, Man 2.5TD & Scania HGVS.

Diameter	Description	Length	Proof torque
22 mm	injector socket (6pt)	110 mm	215 N-m
22 mm	injector socket (12pt)	75 mm	215 N-m
27 mm	injector socket (12pt)	78 mm	390 N-m
28 mm	injector socket (12pt)	78 mm	430 N-m

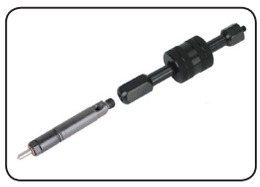


Diesel injector puller



9G0114 40/16/18/1.8' 400g

- Assists removal of stubborn Bosch and Lucas diesel injectors, saving time and money when injectors are difficult to remove.
- With M8, M12, M14 adaptors
- Applicable: Volvo, Scania.



Diesel injector seat cutter set



907G7 20/19.2/19.7/2.0' 950g

- This kit has been specially designed for cleaning and re-cutting injector seats on modern common rail diesel engines.
- 15 mm flat reamer with 19 mm external diameter for universal injector.
- 17 mm flat reamer with 17 mm external diameter for Delph / Bosch injectors (BMW / PSA / Renault / Ford)
- 17 mm flat reamer with 19 mm external diameter for Bosch injectors (Mercedes CRD)
- 17 mm angled reamer with 21 mm external diameter for Fia / Iveco.
- T handle, Pilot post

Diesel engine nozzle tester & cleaner



905G13 2/15.7/16.7/1.27' 7850g

- For all diesel engine cars & trucks.
- For testing injection nozzle opening pressure, leakage spray pattern, atomization & chatter characteristic & cleaner.
- Pressure gauge: 70 mm.
- Pump: 11 mm.
- Stroke: 20 mm.
- Discharge amount: 2.0 cc.
- Weight: 8 kg.
- Simple & easy to operate by hands.
- Follow new international standard.
- Clean the nozzle if used with 3M cleaning solution.
- Capacity gauge: 9000 PSI (640 kg/cm^2)
- Adapters: M-12 x P1.5, M-14 x P1.5, M-16 x P1.5

9pc Pre-heater plug tools



K909G4

6/9.9/10.9/0.78' 1650g

- To ream out and clean the bore between the glow plug and precombustion chamber.
- Size: M12 x 1.25, M10, pre-heater plugs with 10mm across flats.
- Fasten the glow plug with the correct torque.
- 1/4"DR. Universal socket size: 8, 9, 10, 12 mm.

Thread Diameter	Tightening Torque
8 mm	8-15 Nm (0.8-1.5 kgm)
9 mm	15-20 Nm (1.5-2.0 kgm)
10 mm	15-20 Nm (1.5-2.0 kgm)
12 mm	20-25 Nm (2.0-2.5 kgm)

Diesel compression tester



916G2

4/21.6/22.6/2.24' 5400g

- 2-1/2" dial, glycerin filled gauge with glass lens in stainless steel housing 4,500 psi rated nylon jackted pressure hose assembly.
- Dual scale 0-1,000 psi; Metric scale 0-70 bar. 13 piece adapter set (Deere & BMW adapters included).

Turbo system pressure tester kit for commercial vehicles



907G19

4/19/20/3.7' 4750g

- For fast diagnosing of the air charging system.
- Enables time-saving and appropriate determination of leaky intercoolers and invisible cracks in air charging hose.
- Three pairs of stepped adapters: 105-110, 115-120, 125-130 mm



Valve seal remover and installer kit for truck



902K2 20/14.5/15.5/0.76' 1316g

- Two valve keeper removers and installers operate much quicker than standard compressors.
- Valve retention tools hold multiple valves in place at a time.
- Special deep-reach access valve seal pliers.
- All-in-one valve service kit with valve spring keeper removers installers, valve retention tools and valve seal pliers.
- Applicable: Trucks only.

Piston ring pliers



62302 50/18.5/19.5/3.0' 420g

- Removes or installs piston rings easily and fast without risk of breakage or distortion.
- Capacity: 110-160 mm pistons in diameter.



Self-griping oil filter wrench



9B0704 10/13.8/14.8/0.81' 1312g

- Removes all oil filters from 95-165 mm.
- Used with 1/2" square drive tools.



Three-legged oil filter wrench



61913 24/24/25/0.79' 950g

- 3-leg, 1-way, fit 1/2" square drive
- Capacity: 75-130 mm (3" to 5-1/8")

Heavy-duty oil filter wrench



61905	Capacity		
Part no.	inch (mm)	packing	g
61905120	4-1/8" to 4-3/4" (105 mm - 120 mm)	36/24.8/25.8/4.5'	690
61905135	4-1/2" to 5-1/4" (115 mm - 135 mm)	36/25.2/26.2/4.5'	700
61905145	5" to 5-3/4" (125 mm - 145 mm)	36/25.6/26.6/4.5"	700

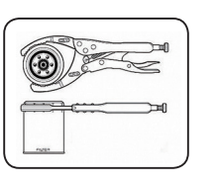
- Wide steel bank designed to meet the high torque requirement of truck, bus, RV and heavy duty equipment filters.
- Used with 1/2" square drive tools.

Oil filter master pliers



639230 40/19.5/20.5/1.7' 480g

- These multi-purpose locking pliers will lock and grip oil filters or any irregular shaped object for quick positive tightening or removal.
- They can be adjusted and fastened for applications at any angle.
- Capacity: 2-1/8" to 4-1/2" (53 mm to 118 mm).
- Length: 230 mm.



Axle oil drain tray for HGV



9T3711 20/7.8/9.3/5.2' 390g

- For clean and simple removal of the drive shaft.
- Suitable for different wheel diameters.
- Volume: 3 L
- Material: PE



Hand lubricator for gear oil



9T3611 1/8.0/9.5/2.21' 7000g

- With reservoir capacity 20 L.
- It is suitable for general lubricant and gear oil.
- 100 c.c./cycle.
- Hose: 1/2" x 2M PVC yarn pipe.

Hand lubricator for grease



9T3610 1/8.5/10.0/2.2' 7000g

- With reservoir capacity 20 L
- It is suitable for general lubricant and grease.
- 3.5 g/cycle
- Hose: 1/4" x 1W x 2M

Lever type grease gun



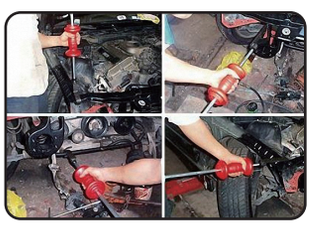
88704 20/23.0/26.9/2.3' 1300g

- Electric-plated finish for long service life.
- Short stroke "lever action" for easy use.
- Vented head cap for easy filling.
- Used standard 14 oz. grease cartridge.
- 3-way loading:
  Standard 14 oz. cartridge, pressure filler and bulk 400 c.c.



Auto body

5-1 **Body dent puller tool**



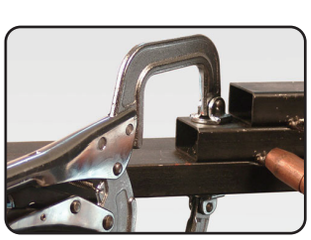
5-3 **Body repair tool**



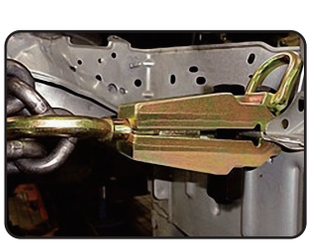
5-9 **Dent repair tool**



5-11 **Weld / Bending pliers**



5-16 **Body pull clamp**



5-22 **Body filler tool**



5-24 **Upholstery fastener / Clip tool**



5-28 **Glass maintenance tool**

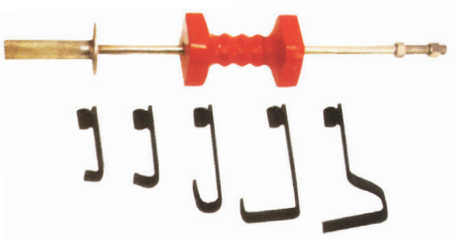


5-34 **Wiper arm removal tool**



5-36

6pc Extra large sliding hammer set



906M2

2/18.0/19.0/0.91' 9kg

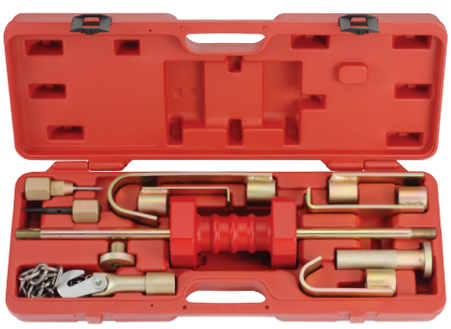
- For different extent of indentation, it has five hooks attached.
- The hooks will completely fit kinds of plate to your problem.
- It is durable and made by steel.

Contents:

1pc Hammer and shaft
1pc Plate (9 x 120 mm)
1pc Plate (9 x 130 mm)
1pc Plate (9 x 140 mm)
1pc Plate (9 x 210 mm)
1pc Plate (9 x 220 mm)



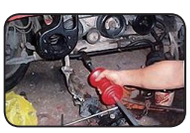
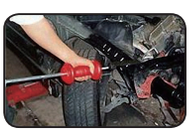

10pc 12LBS Knocker set



910M1

2/20.0/21.0/1.3' 10kg

- For those hard to reach places on unit-sized body reconstruction, when working on fenders, rocker panels, door edges, bumper ends, aligning doors, hoods, trunks etc. hammers both ways without reversing. Solid 5/8" steel slide shaft, pipe end nose adapter is machined and plated.

11pc 10LBS Dent puller set



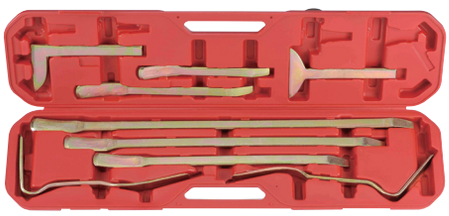
665B

2/16.8/17.8/1.1' 8420g

Contents:

1pc Pipe (Diameter 22.5 mm x 590 mmL)
1pc Pipe (Diameter 22.5 mm x 200 mmL)
1pc 2 Hole pipe (Diameter 29 mm x 40 mmL)
1pc Hammer (10 lbs.)
1pc Plate (6 x 170 mm)
1pc Plate (6 x 120 mm)
1pc Plate (6 x 120 mm)
1pc Plate (6 x 200 mm)
1pc Plate (3 x 100 mm)
1pc Chain & hook
1pc Hex nut (29 mm)

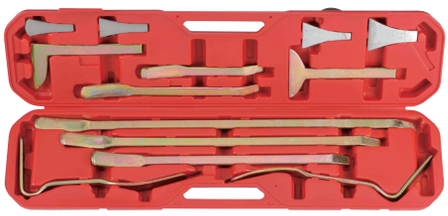
9pc Body pry bars and body wedge tools set



909M1 2/23.0/24.0/1.52' 11.5kg

These pry bars are manufactured from special steel and are particularly suitable for:
- Dismantling stubborn components.
- Positioning components.
- Holding components in required position.
- Spreading clamp-fixtures, etc.

13pc Body pry bars and body wedge tools set



913M2 2/23.0/24.0/1.52' 11.5kg

These pry bars are manufactured from special steel and are particularly suitable for:
- Dismantling stubborn components.
- Positioning components.
- Holding components in required position.
- Spreading clamp-fixtures, etc.



3pc Seam splitter set

NEW



903M2 20/22/23/1.7' 1092g

- Separates spot welded or bonded panels easily.
- Sharpened on three edges allowing a side impact blow to separate the panels.
- The 90° angled tool allows access in difficult areas.



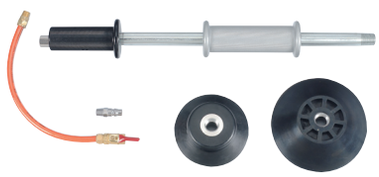
4pc Body and fender dent puller set



904M2 12/18.6/19.6/1.4' 1432g

- Often, the biggest time-consuming part of dent removal is the removal and installation of interior panels and upholstery. This tool eliminates those steps. Simply drill a hole at the base of the dent and thread in the tool's self-tapping screw. A few sharp blows of the slide hammer will pull the dent out.

Air suction dent puller



905M4

4/17.0/18.0/3.3' 3.8kg

- With 120 mm & 150 mm pad
- With 3 LB (1.36 kgs) sliding hammer
- With brass shut off valve
- With 13" length inlet hose
- Air exhaust from the handle
- With 1/4" air plug
- Optional pad: 60 mm (905M4-60)



11pc Auto body repair set (interchangeable)



911M1

10/23.0/24.5/1.8' 2300g

- Material: Main hammer made from drop forged tool steel; all bits made from Chrome-Vanadium
- Double locking device holding tight
- Save space / weight
- Save money / time
- Create high efficiency

Warning:
Form hitter hits shank has to be inserted to the hole's bottom.

7pc Auto body repair tool set



50713B

3/22/23/1.51' 7300g

	1pc	62602	Pick & finishing hammer
	1pc	62603	Light shrinking hammer
	1pc	62604	Standard bumping hammer
	1pc	68301	Utility dolly
	1pc	68302	Curved dolly
	1pc	68303	Heel dolly
	1pc	68304	Toe dolly

7pc Auto body repair tool set



50719 3/22.4/23.4/1.5' 7460g

	1pc	62602	Pick & finishing hammer
	1pc	62604	Standard bumping hammer
	1pc	68302	Curved dolly
	1pc	68305	Grid toe dolly
	1pc	68306	Double end hand dolly
	1pc	68353	Drip molding spoon
	1pc	68354	Light dinging spoon

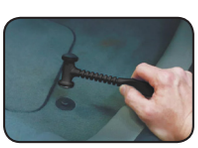
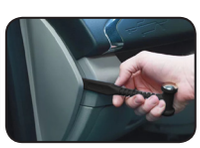
7pc Mini precision hammer set

NEW



907M2 20/5/6/0.85' 248g

- The kit includes interchangeable screw-on tips, including aluminum round, steel round, rubber round, plastic flat, brass round and brass flat tips.
- The dual head gives the user two striking ends to knock down high spots on dent repairs.
- Blowback is eliminated thanks to the dual flex neck that cushions each strike.
- The tool can be flipped over to use the chiseled end for prying off door trim panels or removing glue residue.

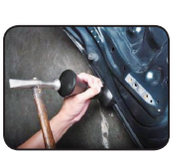
7pc Auto body repair tool set



50720 3/22.0/23.0/1.2' 7227g

Contents:

1pc Rubber heel dolly (size: 2-1/2" x 3" x 1-1/2")
1pc Large rubber heel dolly (size: 5" x 3" x 1-1/2")
1pc Rubber double end hand dolly
1pc Rubber general purpose dolly
1pc Rubber wedge dolly
1pc Rubber toe dolly
1pc Rubber drip molding spoon




Bumping mallet

NEW



9M1502 20/13/14/2.3' 688g

- Mallet with special rubber filler that is elastic in nature, but hard when in use.
- For pushing in and fixing vehicle door weatherstrips, fender flares, and bumpers.
- Avoid scratching and damaging bumpers, panels, and car body in general.



Twist & shrinking hammer



62601 40/20.3/21.3/2.6' 510g

- Specially designed hammer surface profile has a good performance of expanding and making convex on sheet board.

Pick & finishing hammer



62602 40/15.3/16.3/2.4' 382g

- Crowned face, with round point head to remove low spots when metal finishing.
- Round face: Ø40 mm

Light & shrinking hammer



62603 40/17.5/18.5/2.4' 438g

- Flat face+milled square face
- Round face: Ø40.5 mm
- Square face: 38 mm

Standard bumping hammer



62604 40/17.6/18.6/2.4' 440g

- Flat face
- Round face: Ø40.5 mm
- Square face: 38 mm

Angle and flat double spoon



68351 8/19.4/20.4/1.2' 2425g

- Length: 510 mm
- Width: 59 mm
- Head material: 1055 medium carbon steel
- Head polished: mirror polished

Angle and flat short double spoon



68352 8/14.3/15.3/1.2' 1787g

- Length: 401 mm
- Width: 58 mm
- Head material: 1055 medium carbon steel

Drip molding spoon



68353 12/15.1/16.1/0.53' 1258g

- Length: 236 mm
- Width: 49 mm
- Head material: medium carbon steel

Light dinging spoon



68354 50/18.9/19.9/0.52' 378g

- To ding ridges smooth and level.
- When held against ridge and struck with hammer, spreads blow over large area.
- Making smooth job and preventing damages to metal or finish.
- Length: 250 mm
- Width: 50.8 x 109 mm
- Head material: medium carbon steel

Short single spoon (light duty type)



68355 20/17.0/18.0/0.45' 850g

- Length: 286 mm
- Width: 51 mm
- Head material: 1055 medium carbon steel

Utility dolly



68301 20/24.8/25.8/0.4' 1240g

- Provides convenient hand holding during heaviest blows and seal different crowned working face.
- Length: 61 mm
- Width: 70 mm
- Depth: 69 mm

Curved dolly



68302 20/22.6/23.6/0.41' 1132g

- Length: 132 mm
- Width: 70 mm
- Depth: 69 mm

Heel dolly



68303 20/17.4/18.4/0.5' 870g

- Designed to reach easily into sharp corners and wide radii.
- Length: 79 mm
- Width: 60 mm
- Depth: 30 mm

Toe dolly



68304 20/26.2/27.2/0.3' 1308g

- The large flat face is frequently used in shrinking and dinging flat panels.
- Length: 120 mm
- Width: 58 mm
- Depth: 29 mm

Grid toe dolly



68305 20/27.7/28.7/0.46' 1385g

- To use for shrinking metal stretched by dents.
- Length: 122 mm
- Width: 59 mm
- Depth: 29 mm
- Head material: 1055 medium carbon steel

Double end hand dolly



68306 20/23.5/24.5/0.5' 1175g

- Length: 66 mm
- Width: 61 mm
- Depth: 74 mm
- Head material: 1055 medium carbon steel

Corrosion assessment tool

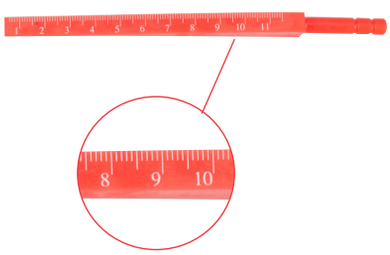


9M1501

100/11/12/2.0' 110g

- Combines tapping hammer, blunt scraper and short lever.
- For checking bodywork and structural corrosion.
- Designed for the vehicle inspectorate.

Body gap gauge tool



9M0107

144/4.0/5.0/1.4' 30g

- A simple and perfect tool for correcting body / interior alignment (the gaps on hoods, deck lids, doors...).
- Very useful tool, especially for bearing work and for gauging slots.



Paintless dent repair line board



902M5

24/10.3/11.3/3.5' 400g

- Great visual aid for PDR (Paintless Dent Repair), it allows you to locate your tool tip as well as to see the distortion of dent on the panel.
- 240 mm x 200 mm board with suction cup, can be positioned at any angle.
- White board with black lines for medium to dark coloured vehicles.



Blending hammer and tap down tool set



905M7 36/18.0/19.0/3.0' 425g

- Aluminum blending hammer with 300 mm (12") shaft.
- Aluminum tap down tool (adjustable in length): 70 mm (2-3/4") to 100 mm (3-15/16")
- 4 changeable tips with 5/16" threads.
- Tips conveniently stored in the comfortable handle.




Dent repair kit



915M1 3/6.37/7.37/0.88' 1472g

- Ideal for repairing the vehicle body small damage or minor dents.

Contents:

11pc Dent puller set (912M1)
1pc Glue gun 100V-240V 60W with 2 glue sticks (9U0402)
1pc Plastic razor blade (904M6-22)



Manual operation dent puller

NEW



912M1 12/3.4/4.4/0.97' 284g

- Ideal for repairing the small damage on vehicle bodies.
- Aluminum body and adjustable brackets with plastic protection for high quality & long life.
- Manual operation - economic, safe, easy and quick.
- Used with a hot glue gun.
- With 10pc glue pads.



7pc Locking pliers & clamp set



50721 — 3/12.86/13.86/1.2' — 4288g

	1pc	614125	Locking pliers 5" (125 mm)
	1pc	614250	Locking pliers 10" (250 mm)
	1pc	614A175	Locking pliers (straight jaw) 7" (175 mm)
	1pc	615150	Long nose locking pliers 6" (150 mm)
	1pc	66011	Locking "C" clamp 11" (275 mm)
	1pc	66101	Sheet metal tool 8" (200 mm)
	1pc	66201	Welding clamp 9" (225 mm)

Locking "C" clamp with easy release



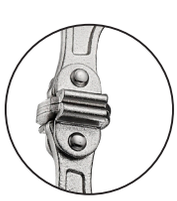
660	*l*		
Part no.	length	packing	g
66006	6"	72/17.6/18.6/0.76'	240
66011	11"	30/22.5/23.5/1.2'	730
66018	18"	20/22.6/23.6/1.1'	1130
66024	24"	16/23.5/24.5/1.6'	1470

- Cr-mo drop forged jaws
- Bodily heat-treated
- Welding brazed
- Nickel plated



Locking “C” clamp with pad





660...D	*l*		
Part no.	length	packing	g
66006D	6"	72/17.5/18.5/0.76'	245
66011D	11"	30/23.2/24.2/1.2'	772
66018D	18"	20/23.5/24.5/1.1'	1175
66024D	24"	16/23.1/24.1/1.6'	1438

Sheet metal tool



66101 48/22/23/1.1' 460g

- Length: 8"
- Cr-mo jaws
- Bodily heat-treated
- Welding brazed
- Nickel plated
- Function: U-shaped jaws allow access and perfect visibility when welding.





Sheet metal bending pliers



9M0301



9M0302



9M0303

9M0301 / 9M0302 / 9M0303

Part no.	Description	mm	packing	g
9M0301	Straight	280	20/15/16/1.3'	752
9M0302	45 Degrees	290	20/16/17/1.3'	798
9M0303	90 Degrees	265	20/16/17/1.3'	792

- Easy to do the automobile body work

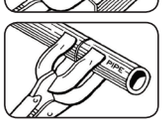
Welding clamp



66201 40/22.8/23.8/1.5' 620g

- Length: 9"
- Cr-mo jaws
- Bodily heat-treated
- Welding brazed
- Nickel plated
- Function: clips things by the two flat pieces in front of the clamp.





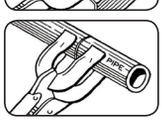
Welder's flat grip wrench



65203 20/17.6/18.6/1.8' 880g

- Especially designed for the pipe welding.
- Length: 11"/270 mm





6pc Self-locking multi-grip pliers set



50635 3/13.5/14.5/1.2' 4520g

	1pc	67901	Wide flat jaws
	1pc	67902	Double curved jaws
	1pc	67903	Wide curved jaws
	1pc	67904	Angled jaws
	1pc	67905	Straight jaws
	1pc	67906	Mini straight jaws

Self-locking multi-grip pliers Wide flat jaws



67901 36/21.6/22.6/1.9' 620g

- Chrome-plated
- For spot welding
- Length: 200 mm



Self-locking multi-grip pliers Double curved jaws



67902 36/21.1/22.1/1.1' 586g

- Chrome-plated
- For assembling angular shapes
- Length: 200 mm



Self-locking multi-grip pliers Wide curved jaws



67903 36/21.6/22.6/1.1' 620g

- Chrome-plated
- For spot welding of metal sheets with 90º angled edges
- Length: 200 mm



Self-locking multi-grip pliers Angled jaws



67904 36/18.2/19.2/0.97' 505g

- Chrome-plated
- For 90º edged metal sheets
- Length: 210 mm



Self-locking multi-grip pliers Straight jaws



67905 36/17.2/18.2/0.97' 478g

- Chrome-plated
- For flat metal sheets
- Length: 200 mm



Mini straight jaw



67906 36/18/19/0.97' 500g

- Chrome-plated
- Clamp two sheet metal pieces of equal thickness at 90º.
- Jaw adjustment: 0-12 mm
- Length: 200 mm



Plug weld pliers



9U0101 48/24.2/25.2/1.7' 505g

- Copper alloy backing plate prevents burning through. (Weld will not stick to the copper alloy)

Warning:
Always wear ANSI approved safety goggles when working with tools and equipment.



Air spot weld drill kit



910M5

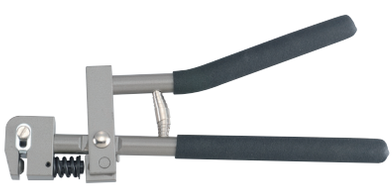
6/15.7/16.7/1.54' 2617g

- Ideal for speedy removal of spot welds on vehicle bodywork.
- Two-tier planetary gear system triples the output torque to meet the requirement of drilling high-strength body material BTR, BOR and USIBOR etc.
- Control collar (feeding adjustable ring) allows precise setting of drilling depth.
- The Brace & Feeder Assembly can be rotated 360 degree and removed, and also prevent side-slipping of drill when working.
- With one piece of HSS drilling bit (8 mm shank x 8.0 mm)

Contents:

1pc Air spot weld drill with 8 mm drill bit (910M5-G)
5pc HSS-Co Drill bits: 3pc 8 mm and 2pc 6.5 mm (905M6)
1pc 2 mm Hex key
1pc Oil pot
1pc Air regulator
1pc 1/4" Air nipple

Punch tool

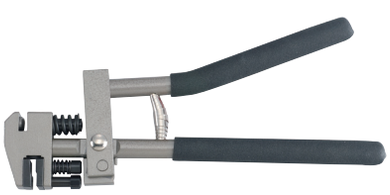


9M0105

16/19.0/20.0/1.1' 1100g

- Punch hole: 5 mm diameter
- Steel thickness 1.1 mm

Flanger / Punch combo tool



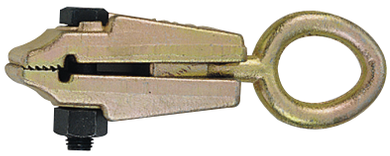
9M0106

16/18.0/20.0/1.1' 1150g

- Punch hole: 6 mm diameter
- Steel thickness 1.1 mm



Auto body repair pull clamp

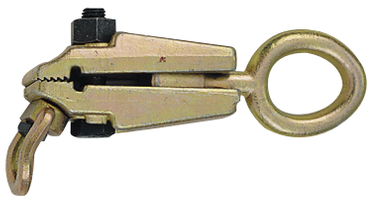


62501 12/25.2/26.2/0.6' 1940g

- Single direction action
- Capacity: 5 tons



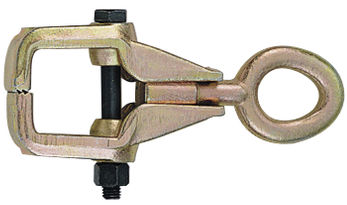
Auto body repair pull clamp (two way)



62502 12/26/27/0.6' 2100g

- Two direction action
- Cross capacity: 2 tons
- Longitudinal capacity: 5 tons

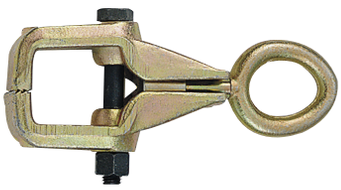
Auto body repair pull clamp



62503 10/20.1/21.1/0.65' 2kg

- Single direction action
- Capacity: 3 tons

Auto body repair pull clamp



62504 10/20.1/21.1/0.88' 2kg

- Single direction action
- The two side heights of jaw surface are not even, most suitable for narrow space application.
- Capacity: 3 tons

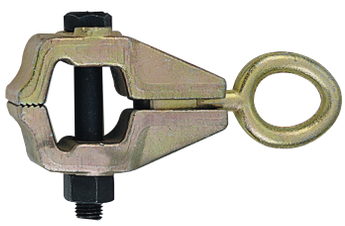
Auto body repair pull clamp (two way)



62505 10/20.1/21.1/0.94' 2kg

- Two direction action
- The two side heights of jaw surgace are not even, most suitable for narrow space application.
- Cross capacity: 2 tons
- Longitudinal capacity: 3 tons

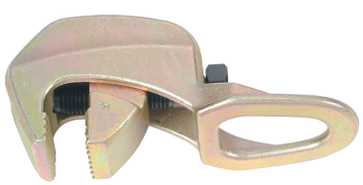
Auto body repair pull clamp



62506 6/13.4/14.4/0.71' 2230g

- Single direction action
- Capacity: 5 tons

Auto body repair pull clamp (tight opening)



62529 10/12.0/13.0/0.5' 1200g

- New design tight opening clamp.
- Single direction action.
- Capacity: 3 tons.
- Jaw open: 35 mm.

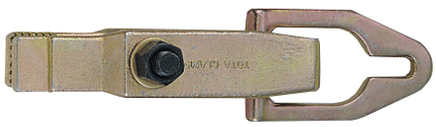
Auto body repair pull clamp (C type)



62508 4/19.5/20.5/1.4' 4875g

- Multi-direction action
- The jaw surface can be extended about 6" (150 mm).
- Capacity: 4 tons

Long nose pull clamp



62509 10/16.6/17.6/0.67' 1660g

- Single direction action.
- Long jaw mouth is most suitable for narrow space application.
- Capacity: 1 ton

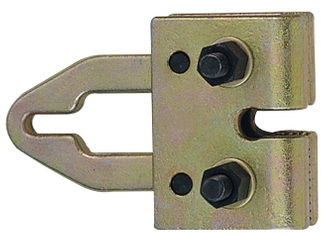
Scissor pull clamp



62510 6/15/16/0.71' 2500g

- Single direction action.
- No need screw for locking.
- During operation it will lock as well as tightly.
- Capacity: 3 tons

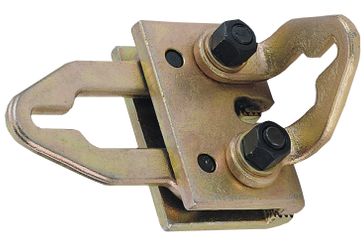
Auto body repair pull clamp



62511 6/15.1/16.1/0.71' 2520g

- Single direction action.
- The jaw surface is 120 mm long, most suitable for thin sheet application.
- Capacity: 5 tons

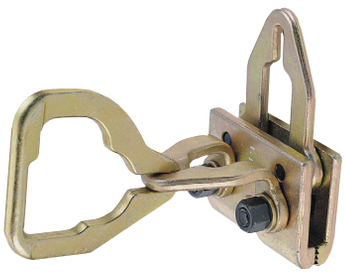
Auto body repair pull clamp (two way)



62512 6/17.3/18.3/0.71' 2880g

- Two direction action.
- The jaw surface is long 120 mm, most suitable for thin sheet application.
- Cross capacity: 3 tons
- Longitudinal capacity: 5 tons

Auto body repair pull clamp (three way)



62513 6/19.6/20.6/0.71' 3260g

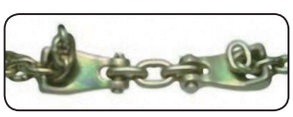
- Universal direction action
- The jaw surface is 120 mm long, most suitable for thin sheet application.
- Cross capacity: 3 tons
- Longitudinal capacity: 5 tons
- Multi-direction capacity: 3 tons

Utility claw hook



62514 20/24.4/25.4/0.6' 1220g

- Applying for connecting and shortening the chain. (3/8" and 5/16" chain applicatory)
- Capacity: 6 tons



Twin pull hook

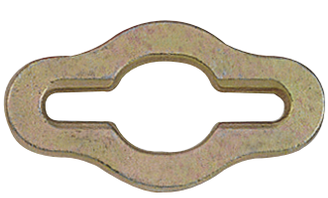


62515 10/10.8/11.8/0.32' 1080g

- Applying for two clamps are connected by a chain and make a two sides action. (3/8" and 5/16" chain applicatory)
- Capacity: 6 tons



Body jig chain connector link



62516 10/6.3/7.3/0.32' 630g

- Applying for connecting and shortening the chain. (3/8" and 5/16" chain applicatory)
- Capacity: 6 tons



Self-tightening clamp

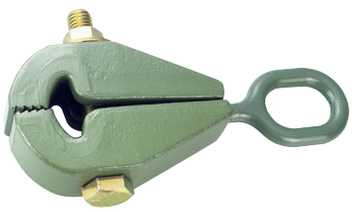


9M1601

15/16.5/17.5/0.59' 1100g

- Minimum size, maximum capability for tight places.
- Responsive, spring-loaded, one-handed application for fast action pulls.
- Round wedge allows chain to be pulled free of twists.
- Aggressive cross-hatched tooth design.
- Capacity: 5 tons

Self-tightening clamp



9M1602

8/18/19/0.56' 2250g

- Self-tightening clamp; grips tighter as it is pulled.
- Compact and lightweight for pulling from many places.
- Minimum of 1-1/2" reach-around for flanges, cowls, pinch welds, and lips.
- Butts against panels where only narrow bite available.
- 1-1/4" (31.8 mm) jaws give added grip.
- Capacity: 6 tons



Self-tightening clamp



9M1603

6/18.7/19.7/0.56' 3120g

- Self-tightening: The harder it's pulled, the tighter it grips.
- Heat-treated steel clamp is positioned on work with wedge forward and nut just finger tight.
- Easy to attach no special wrench needed.
- 2-1/4" (57.2 mm) jaws
- Capacity: 6 tons



Right angle clamp & yoke



9M1604

4/16.0/17.0/0.49' 4000g

- Capacity: 6 tons on straight way
  3 tons on cross way
- Two-way pull operation
- Serrate width: 100 mm

You can make straight and right angle pulls with this clamp.
Replaceable hardened steel jaws com as standard.

Right angle clamp & yoke



9M1605

4/16.3/17.3/0.49' 4075g

- Capacity: 6 tons on straight way
  3 tons on cross way
- Two-way pull operation
- Serrate width: 100 mm

You can make straight and right anble pulls with this clamp.
Replaceable hardened steel jaws com as standard.

Pull clamp



9M1606

4/13.0/14.0/0.6' 3250g

- Capacity: 6 tons on straight way
- Single-way pull operation
- Serrate width: 100 mm

You can make straight and right angle pulls with this clamp.
Replaceable hardened steel jaws com as standard.

Pull clamp

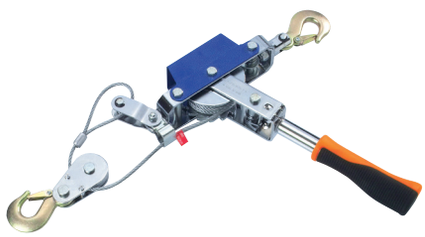


9M1607 5/16.2/17.2/0.46' 3240g

- Capacity: 6 tons on straight way
- Single-way pull operation
- Serrate width: 100 mm

You can make straight and right angle pulls with this clamp. Replaceable hardened steel jaws com as standard.

1 ton Portable puller



88201 6/20/21/1.96' 3400g

- Detachable Handle with ergonomic design.
- Stores in a handy case and easily under a pick-up seat or straps to a luggage carrier.
- Capacity: 1 ton (2000 lbs)
- Cable: 5 mm x 10 ft with 2 hooks

3-in-1 Super duty orbital air sander



82603 12/9/13/2.5' 815g

- Machine description: 3-in-1
- Paper size: 6" (152 mm)
- Free speed: 10000 R.P.M
- Orbit option: 5.0 mm
- Overall length: 8-55/64" (225 mm)
- Air inlet: 1/4" P.T.
- Air hose: 3/8 I.D
- Avg. air consumption: 7.5 cfm (212 L/min)
- Net weight: 1.8 Lbs (0.82 kgs)

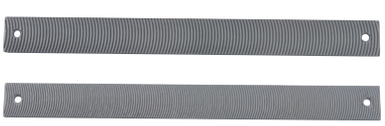
Adjustable body file blade holder

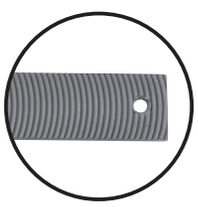


65701 20/15.7/16.7/2.1' 785g

• Application: for 14" (350 mm) flexible file adjustable frame.

Body file blade



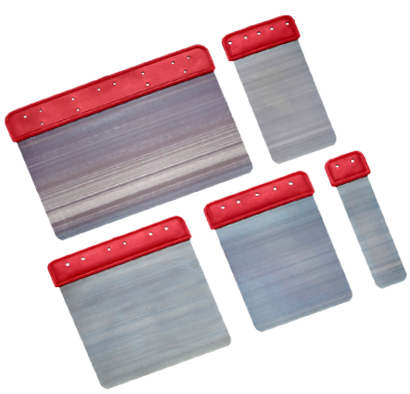


65714	Teeth per	l		
Part no.	inch	inch	packing	g
6571409	9	14	60/18.6/19.6/0.5'	310
6571412	12	14	60/21.0/22.0/0.5'	350

• HRC: 58-64

5pc Body filler applicator set

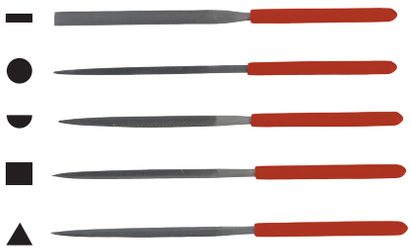
NEW



905M8 96/13.5/15.0/0.7' 126g

• Made from spring steel with plastic handles.
• Perfect for the application of body fillers in automotive restoration.
• Set includes: 1", 2", 3", 4" & 6" blade sizes.

5pc Needle file set



50513 120/10.8/11.8/0.9' 90g

• Set of 5pcs needle files with different shapes. Smooth cut.

Contents:

1pc Flat needle file
1pc Round needle file
1pc Half-round needle file
1pc Square needle file
1pc Triangular needle file

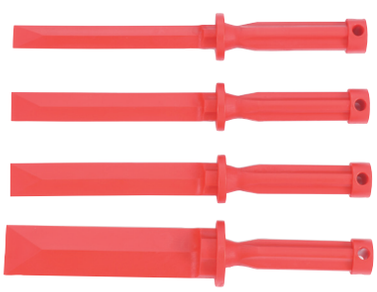
5pc Auto body tool set



T905M2 6/5.0/6.0/0.65' 850g

1pc	905M2P1	Trim pad remover (big)
1pc	905M2P2	Trim pad remover (small)
1pc	905M2P3	Gasket scraper
1pc	905M2P4	Radiator hose remover
1pc	905M2P5	Cotter pin puller

4pc Composite scraper set



904M6 20/10/11/3.6' 500g

• Ideal for removing trim, badges and decals from bodywork.
• Also suitable for removing residue from alloy wheels.
• Polypropylene edges will not scratch or mark paint or panel work and can be re-sharpened with a file when required.
• Length: 270 mm
• Blade size:
19 mm (3/4"), 22 mm (7/8"), 25 mm (1"), 38 mm (1-1/2")





Plastic molding strip wedge with handle

NEW



9M0112 36/8.6/9.6/2' 256g

- 3" non-marring blade allows the technician to remove body side moldings and emblems quick and clean.
- Durable plastic handle can be hit with a hammer and won't mark or scratch vehicle finish.
- Also for the basic opening of car door for insertion of lock our tools.



Plastic riveter set



67803 20/15.5/17/2.1' 775g

- Rivet sizes:
  10pcs each 5 mm x 15.8 mm / 5 mm x 17.2 mm / 6.6 mm x 17.2 mm / 6.3 mm x 25.2 mm.
- Save time: set different sizes of rivets without changing nose pieces.
- Wide range application:perfect for working on automotive plastic bumpers, wheel wells, etc.
- Set plastic rivets perfectly in a single stroke by using this tool which has self adjusting jaws.
- Avoid damaging painted and delicate surfaces by using this specialty tool.
- Provides extra access to hard to reach areas.



4pc Door service tool set



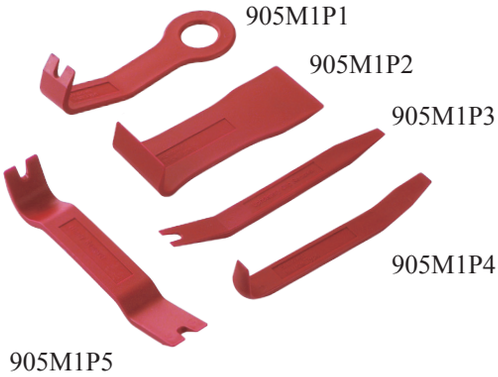
904M1 10/5.5/6.5/0.7' 468g

- A handy tool set which includes a door handle tool, two door panel removers and a GM door trim pad remover.
- Together they handle a wide range of service applications.





5pc Handy remover set



905M1

24/9.0/10.0/2.7' 336g

- For plastic upholstery fastener.
- Place tool under edge of door panel and insert into fastener as far as possible and then simply pull up.

Contents:

1pc Pull type remover	(905M1P1)
1pc Wide type remover	(905M1P2)
1pc Upholestery clip remover	(905M1P3)
1pc Narrow type remover	(905M1P4)
1pc Handy remover	(905M1P5)



4pc Trim removal set



904M3

72/6.9/7.9/1.0' 200g

- The most versatile body/interior tool set we have ever carried. Nearly indestructible, non-marring composite construction.
- Great for technicians, body shops, upholstery shops.

Contents:

1pc Pointer-pointed side trim trmoval tool	(904M3P1)
1pc Spreader trim removal tool	(904M3P2)
1pc Viper's tongue-lever side trim removal tool	(904M3P3)
1pc Ski side trim removal tool	(904M3P4)

BENZ Wedge set



9M0203

60/5.4/5.5/0.9' 90g

- Used to safely remove the wood & plastic pieces on the door panels as well as on the dashboard, without damage it.
- Application: All Mercedes Benz.



Clip removal pliers



9M0101

72/17.3/18.3/3.8' 240g

- For removal of door inner-linings and other trim items held in place by plastic rivets.



Clip removal pliers



9M0102

24/11.6/12.6/2.6' 480g

- Designed to remove broken rivets (plastic), used under care cover or door pannet.
- Can adjust the angle from 0° - 90°.





2pc Clip removal pliers set



9M0103 9M0104

902M1

48/17/18/1.32' 370g

- Removal for all types of clips
- The front ends of the tool are angled and tapered to fit easily under a clip.
- Size: **9M0103** - 35°
  9M0104 - 80°



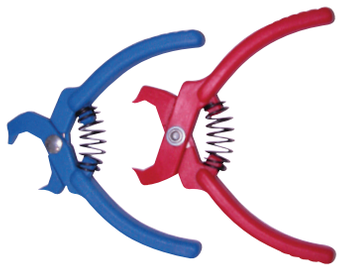
2pc Clip remover



902U1 96/14.4/15.4/1.7' 150g

- Engage the tool tip behind the connector clip.
- Push or pull to disconnect.
- Works on Weather Pack and other automotive electrical connectors.

Mini clip pliers



902M3 96/14.4/15.4/1.7' 150g

- Special design to use on small space
- Size: 20 mm x 100 mm
  26 mm x 100 mm

44pc Auto glass maintenance set



944M1 2/12.0/13.0/3.0' 6kg

Contents:

1pc Wire piercing tool
1pc Square cutting wire
1pc Cutting wire
1pc Cutting wire (golden color)
2pc Wire handle
1pc Window clip molding remover
2pc Double suction cup (dia. 12 cm) swiveling heads w/hole
1pc Window molding remover
1pc Wide pinch weld scraper
1pc Sharpening stone
1pc 18" Urethane cutting knife & blade
1pc Gasket scraper
1pc Door cover clip remover
1pc Standard cold knife
28pc Standard cold knife blade



Door-handle removal and installation tool for VAG

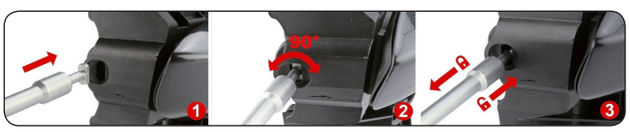
NEW



9M0110

72/7.3/8.3/1.6' 75g

- Used for removal and installation of the exterior door handle.
- Application:
  Audi: Q2 (16~)
  VW: Arteon (17~), Atlas (17~), Caddy (16~), Passat (15~), Golf Sportsvan (15~), Tiguan (16~)



Roof-grab-handle release tool for VAG

NEW



9M0111

72/14/15/2.8' 152g

- For removing the roof grab handle without damage.
- Application:
  Seat: Ateca (16~)
  Skoda: Octavia (13~)
  VW: Golf (13~), Golf Estate (14~), Tiguan (16~)

13pc Auto glass maintenance kit



K913M1

6/12.2/13.2/1.5' 1818g

	1pc	5055P401	Utility knife
	5pc	5055P401-P	Spare blades for 5055P401
	2pc	902M2	Wire gripping handles (Quick release)
	1pc	9M0503	Windshield cut-out wire (stainless steel, square)
	1pc	9M2901	Wire guide
	1pc	9M2902	Wire starter
	1pc	9M2903	Music wire piercing tool
	1pc	9U2102	Scraper with dual-material grip (12 mm blade)
	5pc	9U2102-12	Blade 12 mm
	5pc	9U2102-16	Blade 16 mm
	5pc	9U2102-16A	Blade bevelled 16 mm
	5pc	9U2102-20	Blade 20 mm

4pc Windshield removal kit



904M5 36/15/16/3.3' 344g

- The ideal and essential kit for removing the vinyl adhesive compound around windshield.

Contents:

- Wire feeder tool (Length: 205 mm):
  Designed for easy and flexible insertion of wire through polyurethane, allowing speedy removal of bonded windshield.
- 2pc Wire gripping handles:
  Feed the wire through the hole in the wedge shaft.
  Loop it through the hole at the top of the shaft.
  Then back into the handle.
  Pressing the wedge back into the handle, the wire is held.
- 72 feet Braided wire:
  Material: Stainless

7pc Windshield removal kit







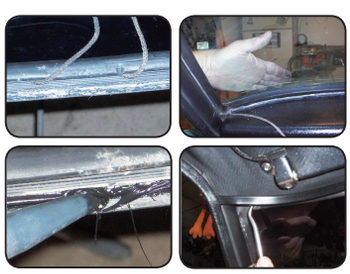
907M1 10/22/23/3.3' 2206g

Contents:

- Wire:
  Material: stainless
- 2pc Wire gripping handles:
  Feed the wire through the hole in the wedge shaft.
  Loop it through the hole at the top of the shaft.
  Then back into the handle. Pressing the wedge back into the handle, the wire is held.
- Windshield removal tool:
  Cuts the vinyl adhesive compound around windshield.
- Wire feeder tool:
  Designed for easy and flexible insertion of wire through olyurethane, allowing speedy removal of bonded windshield.
- Trim pad remover:
  Place the tool under the edge of the door upholstery panel and insert it into the fastener as far as possible, then simple pry up.
- Windshield molding release tool:
  Use for removal of windshield molding on rubberless installation.

10pc Windshield installation kit





910M3

6/6.4/7.4/0.78' 895g

Contents:

- Rope insert tool:
  Use this tool to insert the rope into rubber gaskets.
  The handle feeds rope through its stem as you pull it around the gasket.
- Assort tip for insert tool (with 5pc different shaped heads):
  For inserting locking strip into windshield seal.
  Different shaped heads interchangeable for most types of locking strip.
- Curved hook tool:
  used for inserting and cleaning rubber gaskets.
- Straight hook tool:
  used for inserting and cleaning rubber gaskets.
- Cleaning tool:
  Designed for the removal of broken glass for the side runners without removing them.

Windshield cut-out wire (stainless steel, square)



9M0503

96/18.3/19.3/1.5' 190g

- Designed to provide the fast cutting action possible.
- Each wire acts like a cutting saw tooth.
- Made of stainless steel 50 m per roll.

Windshield cut-out wire (stainless steel braided)



9M0505

96/20.0/21.0/1.5' 125g

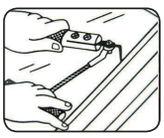
- Designed to provide the fast cutting action possible.
- Each wire acts like a cutting saw tooth.
- Made of stainless steel 50 m per roll.

Windshield removal tool



9M2904 48/14.0/15.0/1.4' 290g

- Cable action makes cutting out windshields fast and easy.
- A strong tempered steel blade, sharpened to a find cutting edge, with a large durable aluminum handle, combined with a steel cable pull handle assures the easiest and fastest way of cutting the caulking compound around the windshield.
- The steel cutting blade can be re-sharpened and after many uses is easily replaced with a new blade.




Window scraper



9U2101 144/17.2/18.7/2.3' 120g

- Special handle design for easier grip when operation.
- Replaceable blade design to change the blade quickly and easily.
- Blade width: 40 mm



Multi-function powerful suction cup



63401



63404

634		Capacity		
Part no.	Application	kgs	packing	g
63401	On flat object	50	20/7.9/5.9/1.6'	395
63404	Fixed 2 sucker	80	20/24.3/25.3/4.0'	1215

- To pull up the plating notched part.
- To fix the windows while maintaining.
- To assemble the front and rear wind broken glasses.



Multi-function powerful suction cup (Aluminum)



63401A



63403A



63404A

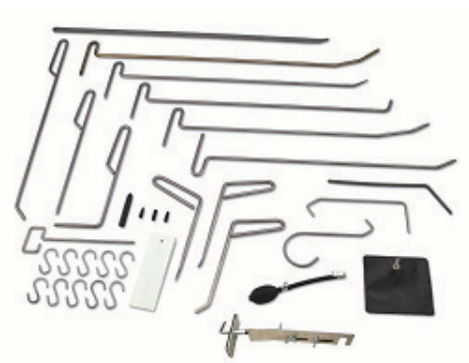


63405A

634...A		Capacity		
Part no.	Application	kgs	packing	g
63401A	On flat object	30	20/10.9/11.9/1.6'	480
63403A	Fixed 2 sucker	50	20/20.1/21.1/4.0'	780
63404A	Flexible 2 sucker	35	20/24.4/25.4/4.0'	1180
63405A	Fixed 3 sucker	100	10/14.1/15.1/3.1'	1410

- To pull up the plating notched part.
- To fix the windows while maintaining.
- To assemble the front and rear wind broken glasses.

33pcs Paintless dent repair kit



933M1 2/17.5/18.0/1.6' 8.5kg

- Hail damage, door dings and other cosmetic damage are quickly massaged out with this extensive 33pc tool profit center.

Air inflator for unlocking car door (vehicle)



9M2301 20/4.8/5.8/2.4' 200g

- This inflation design easily and safely to separate the door frame from the vehicle body.



Windshield stand (folding type)



9M3401 1/9.0/10.0/1.3' 9kg

- The most common complaint about windshield stands is the amount of space they take up.
- To collapse the stand, pull each of the legs apart and fold them toward the center.
- Each leg is held together by a steel rod that gives the stand greater strength than it would have if it did not have the rods.
- Size: 24"



5pc Wiper arm puller set



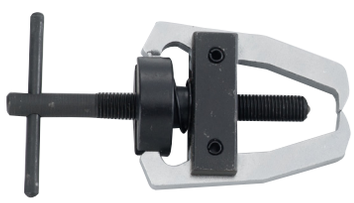
905M5 10/11.7/12.7/1.27' 1170g

- Universal applications
- Provide 4 adjustable removers & one high versatility puller fits nearly all difficult wiper arm removing works.
- Sizes: 36mm, 30mm, 25mm, 20mm, 20-36mm





Easy-lock wiper arm remover tool



9M0207 60/20/21/2.0' 330g

- Easy-lock action allows a fast snap to wiper arm saving a lot of time.
- Can be used on a variety of applications.
- Suitable for use on 99% of vehicles.
- Capacity: 0-30 mm



Windscreen wiper arm removal tool



9M0201 48/6.7/7.7/1' 140g

- The compact design offers easy access in confined spaces and eliminates the risk of damage to the wiper arm or surrounding paintwork.
- A simple, effective tool allowing easy removal of those stubborn wiper arms. Suitable for both taper and taper spline spigots.
- Size: 16 mm x 32 mm



Windshield wiper arm puller for BMW

NEW



9M0208 30/16.7/17.2/0.4' 550g

- Windscreen wiper arm remover for BMW with adjustable support arms for a wide range of models.
- Application:
  BMW:
  E12, E21, E23, E24, E28, E30, E30C, E31, E32, E32/3, E34, E36, E36/2, E36/3, E36/5, E36/7, E36/C, E38, E38/3, E39, E39PL, E46, E46/16, E46/2, E46/3, E46/5, E46/C, E52, E53, E60, E65, E66, E67, E85, RR1.



Windshield wiper arm removal tool



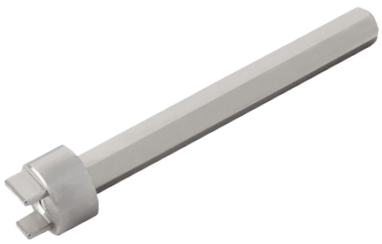
9M0202 72/20.0/21.0/3.6' 278g

- Tool removes wiper arms for most of the vehicles.
- Protective pad on bottom jaw will not scratch painted surfaces. Place jaws between wiper arm and shaft and squeeze handles to remove.



Windshield-washer-nozzle adjustment tool for BENZ

NEW



9M0209 288/7.8/8.8/1' 20g

- For adjusting the fan washer nozzles of the window cleaning system.
- Application:
  Mercedes Benz: W204, W207, W212, W218



Headlight adjusting wrench for BENZ / AUDI

NEW



9M0109 50/9.9/10.9/0.4' 190g

- The wrench is especially suited to areas with very restricted access.
- For adjusting the headlights or clearance from bumpers and bonnet on Audi A7 and Mercedes C-class / W205 - 2014 onwards.
- Size: 3/8"DR. x H14 x L190 mm.

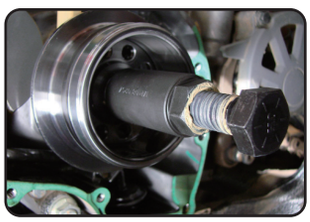




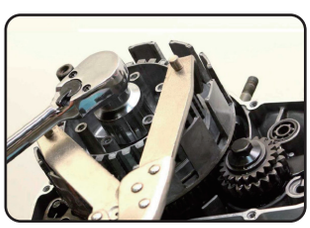


Motorcycle

6-1 **Flywheel puller tool**



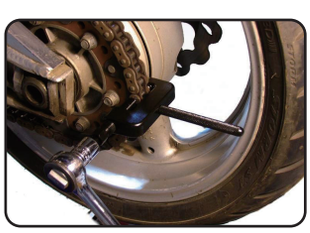
6-4 **Clutch holder tool**



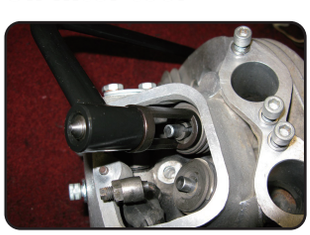
6-5 **Motorcycle fork / Carburetor tool**



6-7 **Chain / Belt tool**



6-8 **Valve / Piston / Oil filter tool**

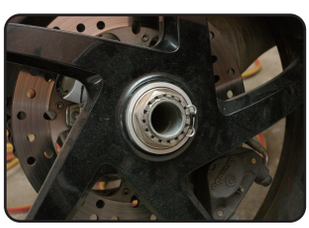


6-10

6-11 **Timing tool**



6-12 **Wheel nut tool**



6-13 **Brake tool**



6-15 **General tool**



6-20

10pc Motorcycle flywheel drive puller set



909Y1 10/17.8/18.8/1.15' 1780g

- Thread sizes:
  85 mmL M14 x P1.5; M16 x P1.5; M18 x P1.5
  65 mmL M19 x P1.0; M28 x P1.5; M20 x P1.0 / M27 x P1.25;
  M22 x P1.0 / M25 x P1.5; M22 x P1.5 / M26 x P1.5;
  M24 x P1.0 / M27 x P1.0L; M26 x P1.0 / M28 x P1.0
- Application:
  Yamaha, Suzuki, Honda, Bosch, Ducan, Glera, Sam, Cagiva, Sfera, Kymco, MBK, Peugeot, Kimoo, Motoplatt, Kawasaki, Kokusan, Minarelli, Ducati.



Motorcycle flywheel puller M27x1.5



9Y0182 60/20/21/1.6' 333g

- Designed to remove the motorcycle flywheels.
- Puller includes M27 x 1.5 right hand internal threads, M12 x 1.25 crankshaft protector cap.
- Application:
  Honda: CG125, ML, BIZ100, POP100

Motorcycle flywheel puller M30x1.0



9Y0183 60/25.5/26.5/1.6' 425g

- Designed to remove the motorcycle flywheels.
- Puller includes M30 x 1.0 right hand internal threads, M12 x 1.25 crankshaft protector cap.
- Application:
  Yamaha: WR 250F (03-08) and WR 450F (03)

Motorcycle flywheel puller M30x1.25



9Y0185 60/25.8/26.8/1.6' 430g

- Designed to remove the motorcycle flywheels.
- Puller includes M30 x 1.25 right hand internal threads, M12 x 1.25 crankshaft protector cap.
- Application:
  Honda: CRF450X, CRF450X8

Motorcycle flywheel puller M30x1.5



9Y0186 60/25.4/26.4/1.6' 424g

- Designed to remove the motorcycle flywheels.
- Puller includes M30 x 1.5 right hand internal threads, M12 x 1.25 crankshaft protector cap.
- Application:
  Honda: Most 1989-1990 FL400R pilot models.
  Kawasaki: Some KLF300 quad models.
  Suzuki: Most LT160/230/250, TM125/250/400, 1970's TS250, 2004-2009 DR200 enduro models and most early PE, TS models.
  Other: European CZ MX and enduro models.

Motorcycle flywheel puller M28x1.0



9Y0188 60/17.2/18.2/1.6' 287g

- Designed to remove the motorcycle flywheels.
- Puller includes M28 x 1.0 right hand internal threads, M12 x 1.25 crankshaft protector cap.
- Application:
  Honda: CRF450X (04-08), TRX450R/ER (06-07)
  Kawasaki: KLX450R (08)
  Suzuki: RMZ450 (08)

Motorcycle flywheel puller M26x1.0



9Y0187 60/12.8/13.8/1.6' 213g

- Designed to remove the motorcycle flywheels.
- Puller includes M26 x 1.0 right hand internal threads, 12mm shaft protector cap.
- Application:
  KTM: 250 RFS, 250SX-F, 400, 450, 520, 525

Motorcycle flywheel puller T bar M27x1.0



9Y0181 60/15/16/1.0' 250g

- Designed to remove the motorcycle flywheels.
- Size: M27 x 1.0.
- Applicable:

Honda: CR80R / 125R / 250R / 450R / 480R / 500R,
XL80 / 100 / 100S / 170, XR100 / 100R,
XR50 / CRF50 (00-04), FL250,
ATC70 / 110 (CDI ONLY), ATC185 / 250R,
TRX250R (86-89), TRX90 (93-00),
TRX70 / 125 & EARLY 50cc
Suzuki: 125 / 160EK / 250R, DR100 / 125 / 200, DS80, ALT185
Yamaha: 1968 & later, BW80, RIVA50, PW50, RZ350,
TT500, XT500, YFM80 / 100 / 200 / 225, YFS200,
YFZ350, YSR50, YT125 / 175 & YZ400F, YZ450F
Kawasaki: KD / KX / KDX80, KM100, KS100, KS125
KTM: 65SX (99-04), 85SX (04), 105SX (04),
200 EXC / MXC (98-05),
125 / 250 SX / EXC / MXC (98-05) &
250 / 300 / 380 SX / EXC / MXC (97-05)

Flywheel puller with external threads

NEW



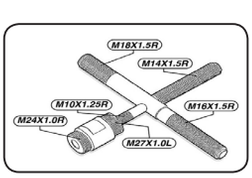
9Y0189 36/21.5/23/2.1' 600g

- For removal of motorcycle flywheels with internal threads.
- Threads M10, M14, M16, M18, M24 are right-handed, M27 are left-handed.

Advantages:

- The tool has 6 different sizes of external threads, thus enabling coverage of the majority of motor types that have a flywheel with an internal thread.
- Allows flywheel removal without pulling motor from the hull.
- On each axis, there is an attachment for an open-end wrench that makes the removal of the magnet easier.





Flywheel puller for DUCATI



902Y1 24/12/13/0.7' 500g

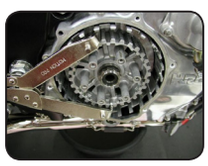
- Designed to remove the motorcycle flywheels.
- Applications:
  Ducati 250 / 350 / 450 and most later bevel single wide-case models.

Clutch holding tool



9Y0101 20/14/15/1.2' 700g

- Made from medium carbon steel with hardened jaws
- Holds clutch hubs, flywheels, gears, sprockets, etc.
- Features spanner pins
- Jaws open to 5" wide



Rotor and sprocket holder





9Y0111 36/20.5/22.0/2.1' 569g

- Keeps flywheels, rotors and sprockets from rotating during removal and installation.
- Holds sprockets and rotors with holes center-to-center at a minimum distance of 1/2" (13 mm) and a maximum distance of 9" (230 mm).
- Features 5 mm and 9 mm pins.
- Adjustable stop screw keeps tool open at set distance.



Universal fork seal driver



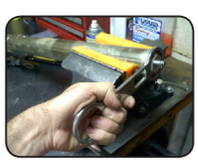
903Y1 20/20.24/21.24/0.62' 1012g

- Designed for easy installation of most fork seals.
- Works on either conventional or inverted forks.
- Unique adjustable insert will work on dia. 26 to 45 mm.



Motorcycle fork cap wrench (46x50)





9Y0121 48/16/17/0.74' 334g

- For removing the fork caps on late-model RMs & CRs
- Can be used for removal of a compression stack on late-model RMs
- Replaces Suzuki OEM 09941-53630
- One end is 46 mm, the other is 50 mm
- Also fits 2010 Honda CRF250R

Fork compression valve removal tool



9Y0122 144/7.5/9/1.5' 52g

- Ideal tool to remove the compression valve from cartridge.
- 19 mm drive hex with 36 mm octagon.
- Made of 6061-T6 aluminum.
- Applications:
  Honda: CRF250R (10-12), CRF450R (09-12),
  Kawasaki: KX 450F (09-12)
  Yamaha: YZ 125/250 (05-12), YZ 250F/450F (06-12)

Twin chamber KYB compression valve wrench



9Y0146 144/17/18.5/1.0' 118g

- This tool removes the compression body from the cartridge on twin-chamber KYB forks.
- Applications:
  Yamaha: YZ 125/250 (05-09), YZ 250F/450F (06-09)



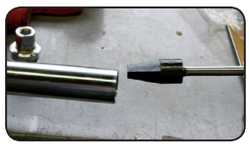
3/8"DR. Fork damper rod holder



9Y0123

96/14.5/16/1.3' 151g

- Ideal tool to hold damper rod when disassembling and assembling front forks.
- It provides a secure method of holding the inner damper rod while removing the bolt from the bottom of the fork leg on Kawasaki models.
- Applications: KZ, ZS, KX and KDX front fork dampers.



Angle driver for motorcycle carburetor



910Y1

12/11/12/2.1' 916g

- Deep-access tool particularly suited to adjustment of motorcycle carburetor.
- One turn of handle equals one turn of blade.
- 90° and straight gear-boxes.
- Furnished with set of driver bits.

Carburetor synchronize tool set



919G2

6/20/21/2.25' 3330g

- For testing fuel pump carburetor and transmission check auto with 2-4 pc carburetors.
- Gauge:
  Pressure: 0-15 PSI, 0-1 kg/cm^2
  Vacuum: 0-28 in-Hg (0-70 cm-Hg)

Contents:

4pc 3-1/2" Synchronizer gauges with fixed plate
4pc Rubber hose 8 x 5 x 750 mm
4pc Extension tube 3.9 x 52 mm
4pc Extension tube 3.9 x 122 mm
8pc Cone type connector 8 x 40 mm
4pc Adapters 10 x 53 mm (M6 x 0.75)
4pc Adapters 10 x 60 mm (M6 x 1.0)



All purpose chain separating tool



9Y0135 24/18.5/19.5/1.6' 770g

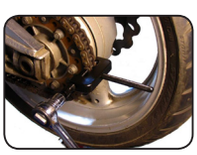
- For pressing rivets out of the chains.

Chain breaker and riveting tool set



913Y1 20/17.7/18.7/1.62' 886g

- Versatile 3-in-1 tool can be used on both cam chains and drive chains.
- The kit supplied with adequate components to break chains from #35 to #630.
- Includes three pin sizes for compatibility with most chains (2.2 mm, 2.9 mm & 3.8 mm).
- Also includes tools and plates needed to rivet hollow nose master links.



Chain link pliers

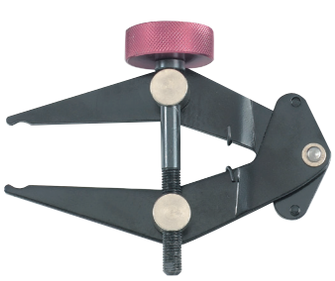


9Y0131 48/16.9/7.9/2.3' 145.5g

- Designed to simplify installation or removal of clip-type master chain links.



Chain puller tool



9Y0132 48/12/13/2.0' 252g

- This chain puller is made for work on drive chains found on motorcycles and all-terrain vehicles (ATVs).
- Tightening the forcing screw pulls the jaws together to hold the chain for easy removal or installation of the chain connector or master link.



Motorcycle chain brush



9Y0133 72/8.5/10.0/3.6' 118g

- Composite, angled chain brush features adjustable brush adaptors to fit various size chains.
- Suitable for use on all chain types.



Motorcycles belt tension gauge



9Y0141 240/18.0/19.5/1.6' 75g

- This tool can be used to adjust belt tension on most motorcycles equipped with a secondary drive belt.
- This tool provides a simple way to firm the belt for proper tension.

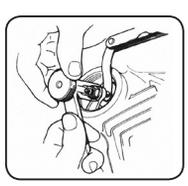


Tappet adjusting tool set



9Y0142 48/12.5/13.5/0.6' 260g

- Set contains three wrenches (8, 9 & 10 mm) and three adjusters (screw type and 3 & 4 mm square type).
- Interchangeable adjusters and wrenches provide nine different combinations.
- Ideal for most marks and models of motorcycles, ATVs and ATCs.
- Applications:
  Honda: All ATC's and motorcycles with 4-cycle engines and screw type adjusters.
  Yamaha: SR 185/250, XT/TT250, XS400, ST185
  Suzuki: All 4-cycle ATV's and motorcycles with screw-type adjusters.
- Any tappet adjuster with 8, 9 or 10 mm adjusting nut and 3 or 4mm squareor slotted adjuster.



Large tools work on valves of 4-valve-per-cylinder heads



9Y0143

36/13/14/0.6' 361g

- Used to install valve spring keepers.
- Replaces the large cumbersome valve spring compressor.
- These tools are aimed at saving time when replacing valves in modern 16 to 20 valve head.
- Designed to fit the valves of 4-cylinder heads (5.5 mm valve stem diameter or larger with under 40 lbs).



Small tools work on valves of 4-valve-per-cylinder heads



9Y0143B

36/15/16/0.6' 420g

- Used to install valve spring keepers.
- Replaces the large cumbersome valve spring compressor.
- This tool is designed to save time in replacing valves of modern 16 to 20 valve heads.
- This tool works on valves of 4- or 5- valve-per-cylinder heads. (Valve stem diameter of 5 mm or smaller)

Valve spring compressor



62110

10/17/18/2.2' 1602g

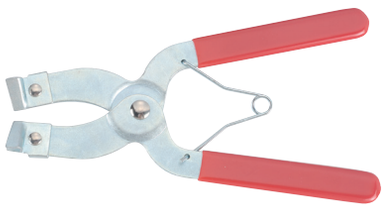
- These tools are designed to compress and release valve spring after removing the collets. Pantograph-type levers ensure a consistent coaxial contact with the valve.

Contents:

5pc Driving adaptor 16, 19, 23, 25, 30 mm
3pc Pressure screw 70, 110, 120 mmL
1pc C Clamp



Piston ring pliers



62002 144/18/19/2.15' 135g

- Save by reducing ring breakage.
- Tapered jaws to remove and install most passenger car and light truck rings from 3/64" to 1/4" (1.2 mm - 6.3 mm).



Piston ring compressor tool



62005 60/16.23/17.23/2.0' 290g

- Designed to prevent ring breakage during cylinder installation.
- It can easily be removed after cylinder is in position.
- Tool supplied with 6 rings to be applicable to most engine sizes.
- Fits 35-73 mm

Piston ring compressor for Motorcycle



6202080 50/7/8/0.89' 140g

- For easy insertion of piston into cylinder bore and even compression over full ring length.
- Ratchet mechanism.
- Capacity: 40-80 mm diameter.

Oil filter wrench



9B0701 48/18.1/19.1/1.7' 380g

- Steel jaw grips filter without slipping.
- Use with 3/8"drive.
- Suitable for filter 2-1/2" to 3-1/8" (60 m/m - 80 m/m).



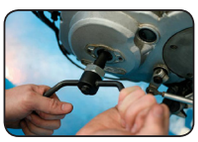
Timing and crankshaft turning tool for DUCATI



9Y0301

36/18.0/19.5/1.9' 500g

- Ideal tool to turn timing mark on the degree wheel for perfect valve adjustments.
- It makes ignition timing work to be performed well.
- Applications:
  Ducati Monster / Multistrada:
  600 / 620 / 748 / 750 / 800 / 848 / 851 / 888 / 900 / 916 / 996 / 998 / 999 / 1000 / 1098 / 1198



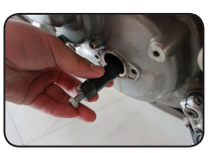
Engine rotating tool for DUCATI



9Y0302

96/12.5/13.5/0.6' 130g

- It allows you to rotate your engine easily and safely while checking the valve clearances or setting the timing.
- Applications: Ducati Monster 748 / 996 / 999 / SS



Timing and crankshaft turning tool for DUCATI



9Y0303

36/14.5/16.0/1.1' 403g

- It allows you to attach through the primary cover access hole and fit into the crankshaft notch for ignition timing work accuracy.
- It is also suitable for mounting most available degree wheels.
- Applications:
  Ducati 250 / 350 / 450 / 750

Cam holder for DUCATI



9Y0305

20/19.2/20.2/0.43' 960g

- This tool helps you to loosen the cam gear nut easily.
- Applications:
  Ducati 250, 350, 450, 750 single twin bevel.

Spark plug cap removal tool for BMW



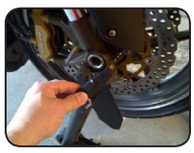


9Y0306 144/7.5/9.0/1.8' 52g

- This tool works on R and F series coil-over bikes.
- It is designed to slip onto the cap from the front and that allows you to remove the spark plug cap without damaging it.
- If the cap is very difficult to remove, choose a proper bar, slip it through the 1/4" hole on the tool and then you can pry the cap loose easily.
- Applications:
  All R1150 from Dec 2002 production
  R1200C, R1200C I/M, R1200 Montauk
  from October 2002 production
  All R1200 from model year 2003 and newer
  R1100S from December 2002 production
  All F Twins

4-in-1 Hex axle tool





9Y0151 100/17/18/0.6' 170g

- Fits internal hex on many late-model sport-bike axles and some dirt bikes.
- Four metric hex sizes: 17, 19, 22 and 24 mm.
- 3/8 in. square drive on both ends.
- Applications:
  BMW: R1200GS, R1200 RT
  Buell: XB9R, XB9S, XB12R, XB12S (03-04)
  Honda: CBR600RR, CBR1000RR
  Kawasaki: ZX6R, ZX6RR, ZX600E/K, ZX7R, ZX9R, Z1000
  Suzuki: GSXR (00-04), DL 1000 V-Strom (all), SV1000
  Yamaha: R1, R6

Motorcycle spindle tool



9T1403 100/13.6/14.6/1.5' 136g

- Use a socket on the free end to remove spindle.
- 24 mm for Suzuki / Honda
- 22 mm for Kawasaki
- 19 mm for Yamaha





Front and Rear wheel nut tool set



909Y2 15/16.5/18.5/1.4' 1100g

- The combined socket is two sizes in one, a 55 mm 12pt for the rear and a 28 mm 6pt for the front.
- The other sockets size as follow:
  41 mm / 46 mm 12pt for the rear wheel
  30 mm 6pt and 28 mm 12pt for the front wheel
- All sockets with 1/2" drive.



Spoke wrench

NEW



608A		l		
Part no.	size	mm	packing	g
608A0809	8 x 9	130	600/26.7/27.7/0.65'	42.8
608A0910	9 x 10	130	600/27.0/28.0/0.65'	43.5
608A1011	10 x 11	130	600/27.2/28.2/0.65'	43.6

Brake piston detaching tool for motorcycle



9Y0201 30/8.1/9.1/2.1' 270g

- To detach a piston from the disc brake base of a motorcycle
- Ratcheting handle allows the operator to replace a piston conveniently
- Jaw adjustment: 30-33 mm.
- Length: 240 mm.



Parking brake piston socket for YAMAHA



9Y0202 240/16/18/1.8' 67g

- Material:Heavy duty Cr-Mo steel construction
- Applications:
  Yamaha: Majesty (07-11), Maxam (05-10), Tmax (05-10)
  Grand Majesty 400 (05-09),
  Grand Majesty 250 (04-07).

Parking brake piston socket for HONDA / SUZUKI



9Y0203 240/14/16/1.8' 58g

- Material: Heavy duty Cr-Mo steel construction
- Applications:
  Suzuki: Skywave 250 (07-11), Skywave 400 (07-11)
  Honda: Forza (00-03)

Brake fluid bleeder bottle



9Y0161 10/2/3/1.3' 200g

- Bleeder bottle capacity: 0.5 L

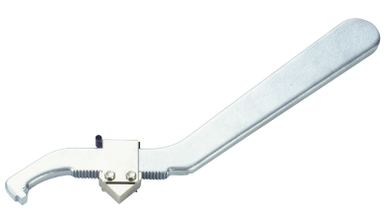
Honda oil filter and clutch hub spanner



9Y0145 240/12.5/14.5/1.6' 52g

- Designed for oil filter and clutch hub on many Honda models (single-cylinder and twin-cylinder machines).
- 3/8" driver and 24 mm inside diameter.
- Applications:
  Most pre-1978 CB, CL, CT, SL and XL models,
  XR200 (80-84), XR200R (81-94),
  XR250L (91-94), XR250R (86-95).
- Replaces large end of 077160020100 OEM tool.

Adjustable spanner wrench



9U0701 48/16.1/17.1/1.1' 335g

- For use on slotted retaining rings.
- Adjustable from 1/2" to 2-3/4".



Fixed type adjustable hook wrench





823	Size		
Part no.	mm	packing	g
823035	15-35	60/7.4/8.4/0.7'	110
823050	35-50	60/12.5/13.5/0.96'	210
823080	50-80	40/17.4/18.4/0.96'	425
823120	80-120	24/17.6/18.6/0.96'	750
823180	120-180	12/17.0/18.0/1.4'	1400

- For use on slotted retaining rings.

Pin type adjustable hook wrench





823A	Size		
Part no.	mm	packing	g
823A035	15-35	60/6.6/7.6/0.7'	110
823A050	35-50	60/12.6/13.6/0.96'	210
823A080	50-80	40/17.0/18.0/0.96'	425
823A120	80-120	24/18.0/19.0/0.96'	750
823A180	120-180	12/16.8/17.8/1.4'	1400

• For use on slotted retaining rings.

Internal snap ring pliers (long arm)



9U0102 48/9.5/11.0/2.0' 198g

• Special design for the retaining ring in the deep hole.
• The most deep size: 56 mm.

Stud extractor

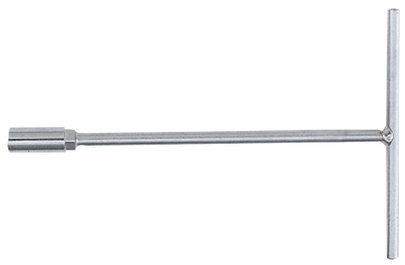


818A 30/16.9/17.9/0.55' 560g

• Socket 1/2"DR. Stud extractor.
• For remove threaded, stripped, rusted, broken and smooth studs.
• Stud range: 6-19 mm (1/4" - 3/4")



T-shaped hex socket driver



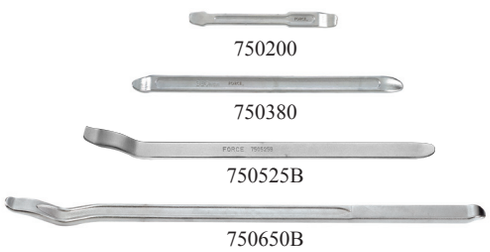
774...A		l	l		
Part no.	Tip	blade	width	g	pc/box
77406A	6	300	200	220	10
77407A	7	300	200	220	10
77408A	8	300	200	279	10
77409A	9	300	200	285	10
77410A	10	300	200	294	10
77411A	11	300	200	318	10
77412A	12	300	200	328	10
77413A	13	300	200	346	10
77414A	14	300	200	422	10
77415A	15	300	200	480	10
77416A	16	300	200	510	10
77417A	17	300	200	542	10
77418A	18	300	200	600	10
77419A	19	300	200	620	5
77420A	20	300	200	650	5
77421A	21	300	200	715	5
77422A	22	300	200	715	5
77424A	24	300	200	702	5
7741.4A	1/4"	300	200	220	10
7745.16A	5/16"	300	200	279	10
7743.8A	3/8"	300	200	294	10
7747.16A	7/16"	300	200	318	10
7741.2A	1/2"	300	200	342	10
7749.16A	9/16"	300	200	422	10
7745.8A	5/8"	300	200	510	10
7743.4A	3/4"	300	200	620	5

Adjustable T-shaped hex socket driver



774...B		l	l		
Part no.	Tip	blade	width	g	pc/box
77407B	7	220	200	190	10
77408B	8	240	200	195	10
77409B NEW	9	240	200	252	10
77410B	10	260	200	265	10
77412B	12	260	200	380	10
77413B	13	260	200	380	10
77414B	14	260	200	385	10
77417B	17	290	250	500	5
77419B	19	290	250	580	5
77422B	22	315	250	715	5

Tire lever



750	l		
Part no.	mm	packing	g
750200	200	100/14.6/15.6/0.56'	162
750300	300	120/31.6/32.6/0.60'	260
750380	380	60/22.9/23.9/0.50'	360
750380B	380	60/22.9/23.9/1.20'	368
750500	500	30/22.0/23.0/0.69'	732
750525B	525	30/24.0/25.0/0.69'	800
750650	650	20/23.2/24.2/0.54'	1160
750650B	650	20/21.8/22.8/0.70'	1160

12pc 3/8"DR. Impact socket set



3126 6/15.6/16.6/1.54' 2600g

	7pc	8, 10, 12, 13, 14, 17, 19 mm
	1pc	3/8"DR. Ratchet impact wrench Max. 100 Nm (82431)
	2pc	Ball type 3" (75 mm), 6" (150 mm)
	1pc	Ball type 3/8"
	1pc	Ball type 3/8"(F) x 1/2"(M)

3/8"DR. Ratchet impact wrench

NEW

82431	l		
Part no.	mm-inch	g	pc/box
82431	250-10"	1298	1



Specifications:

Length: Square Drive ..... 3/8"
Free Speed (R.P.M.) 160
Max Torque (ft/lbs) / (Nm) ..... 74 / 100
Air Pressure (PSI) 90
Air Inlet (P.T.) ..... 1/4"
Air Consumption (C.F.M.) 7.1

3-Drawer chest with 97pcs tools (Motorcycle)

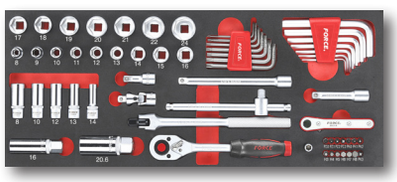


50223S-97 1/19.87/20.87/2.2'

DT
DB1
DB2
DB3



DT



DB1



DB2



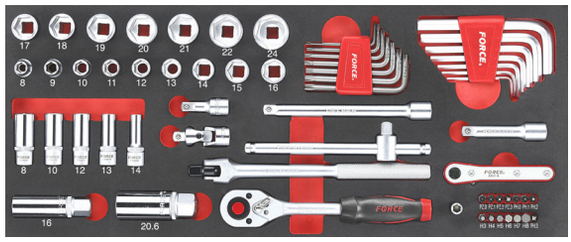
DB3

DT (50223S-97)



	1pc	6044190	Pin punch 4 (190mmL)
	1pc	6046210	Pin punch 6 (210mmL)
	1pc	610B160	Long nose pliers 6.3" (160mm)
	1pc	611B200	Combination pliers 8" (200mm)
	1pc	612B160	Diagonal pliers 6.3" (160mm)
	1pc	616200	Engineer hammer 200gw
	1pc	61702	Flexible magnet pick-up tool 20" (510mm)
	1pc	618	Feeler gauges of 20 sizes
	1pc	6983	Technician’s scissors 145mmL
	1pc	750300	Tyre lever 300mmL
	1pc	750380	Tyre lever 380mmL
	1pc	88001	Round magnetic tray Ø150mmL
	1pc	88423A	Circuit voltage tester
	1pc	9U3001	Brass & nylon scrape brushes 3"(75mm)

DB1 (50223S-97)



3/8"DR. Part

	16pc	8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm
	5pc	8; 10; 12; 13; 14 mm (46mmL)
	2pc	Magnetic spark plug 16; 20.6 mm
	1pc	QR thin pear ratchet handle 24teeth (80233)
	1pc	8.5"(215mm)
	3pc	1.75"(44mm); 3"(75mm); 6"(150mm)
	1pc	6.5"(165mm)
	1pc	3/8"

Bits

	4pc	1/4" PH.0; PH.1; PH.2; PH.3 (25mmL)
	4pc	1/4" PZ.0; PZ.1; PZ.2; PZ.3 (25mmL)
	6pc	1/4" 3; 4; 5; 6; 7; 8 mm (25mmL)
	1pc	Ratchet 1/4"inhex 5.1"(130mm) (802214)
	1pc	Magnetic 1/4"DR.x1/4"(F)

Others

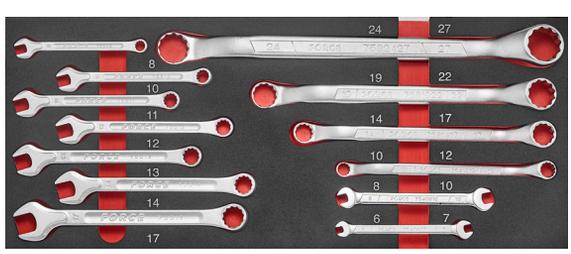
	4pc	T10; T15; T20; T25; T27; T30; T40 (5071)
	4pc	2.5; 3; 4; 5; 6; 8; 10 mm (5072)

DB2 (50223S-97)



	1pc	PH.2 (25mmL)
	3pc	PH.1 (80mmL); PH.2 (100mmL); PH.3 (150mmL)
	1pc	6.5mm (25mmL)
	4pc	4mm (100mmL); 5.5mm (125mmL); 6.5mm (150mmL); 8mm (175mmL)
	1pc	Waterpump pliers 10"(250mm) (613B250)

DB3 (50223S-97)



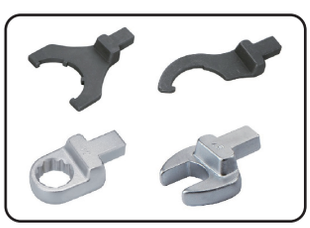
	2pc	6x7; 8x10 mm
	7pc	8; 10; 11; 12; 13; 14; 17 mm
	4pc	10x12; 14x17; 19x22; 24x27 mm

Puller / Torque wrench

7-1 **Torque wrench**



7-9 **Torque handle fittings / Torque driver**



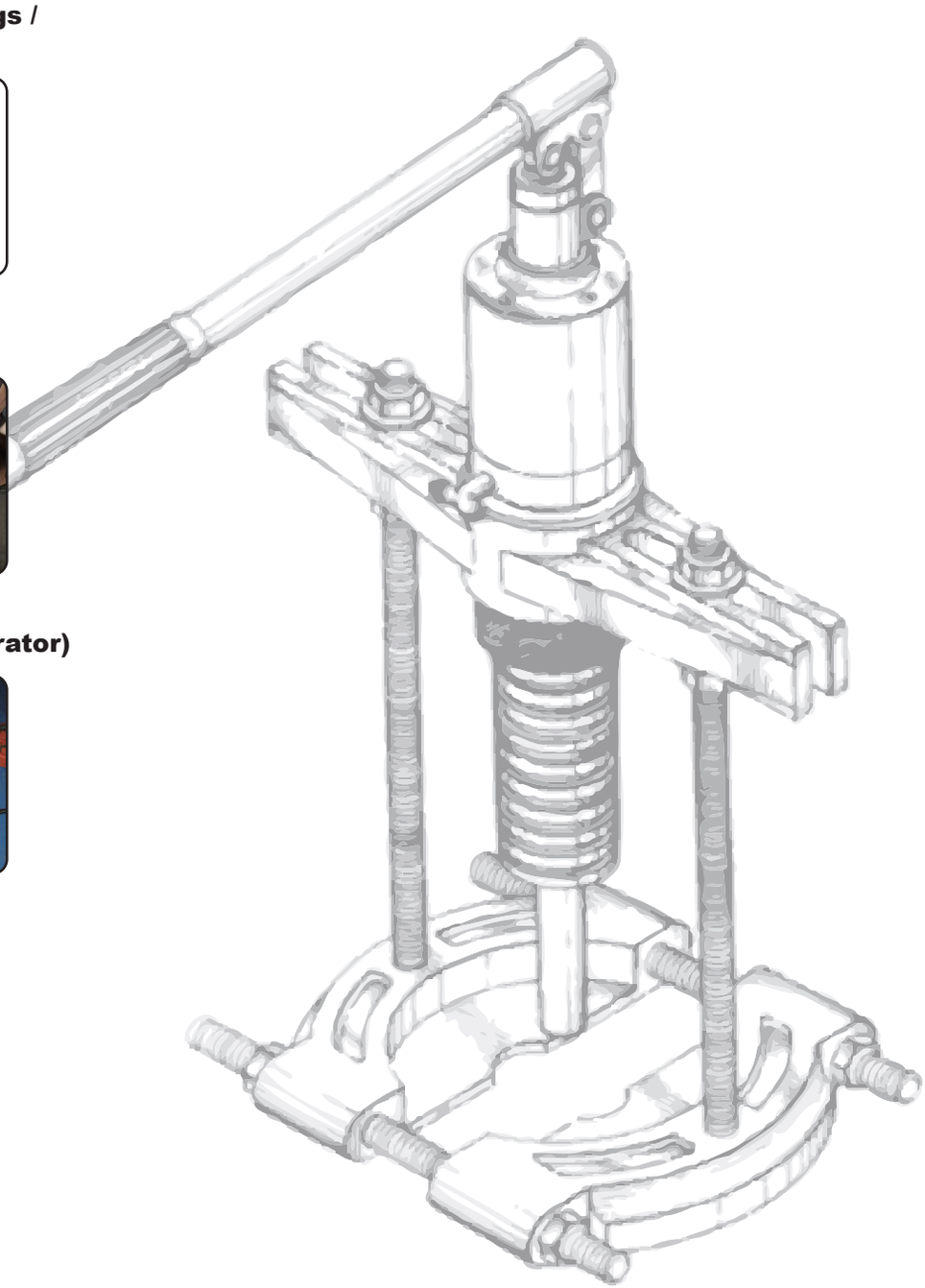
7-16 **Torque multiplier**



7-19 **Puller tool (bearing / gear separator)**



7-38



9pc 1/2"DR. Wheel specialized torque tool set



64707 — 1/13.5/14.5/1.4' — 13.5kg

	3pc	44585 17C...21C	Wheel nut 6pt. flank impact socket 17; 19; 21 mm (85 mmL)
	1pc	6474088N	Torque wrench 88 Nm
	1pc	6474108N	Torque wrench 108 Nm
	1pc	6474135N	Torque wrench 135 Nm
	1pc	6474163N	Torque wrench 163 Nm
	1pc	6474190N	Torque wrench 190 Nm
	1pc	681A300	Assembly wheel nut wrench 17; 19; 13/16"; 1/2"DR. (300 mmL)

3/8"DR. Preset torques wrench



647...P	Capacity	*l*	
Part no.	Nm	mm	g
647318P	18	245	410
647324P	24	245	410

11pc 3/8"DR. Torque wrench set



64701L — 12/20.4/21.4/0.85' — 1700g

6pc	10; 12; 14; 17; 19; 21 mm	
4pc	4; 5; 6; 8 mm (50 mmL)	
1pc	20-110 Nm, 380 mmL (6473380)	

11pc 1/2"DR. Torque wrench set



64702L — 6/18/19/0.96' — 3016g

6pc	17; 19; 21; 22; 24; 27 mm	
4pc	6; 8; 10; 12 mm (55 mmL)	
1pc	40-210 Nm, 535 mmL (6474535)	

Tone control torques wrench

NEW

TORQUE



647...K	Capacity	l		
Part no.	Nm	mm	packing	g
	1/4"DR.			
6472275K	5-25	275	24/19.44/20.27/1.62'	595
	3/8"DR.			
6473275K	5-25	275	24/20.40/21.32/1.62'	595
6473370K	20-110	370	24/25.68/26.51/1.62'	830
	1/2"DR.			
6474450K	42-210	450	12/19.56/20.51/1.30'	1316
6474570K	70-340	570	12/23.98/25.02/1.86'	1658
Part no.	Inch-lb	mm	packing	g
	1/4"DR.			
6472275KS	55-250	275	24/19.44/20.27/1.62'	595
	3/8"DR.			
6473275KS	55-250	275	24/20.40/21.32/1.62'	595
Part no.	Ft-lb	mm	packing	g
	3/8"DR.			
6473370KS	15-80	370	24/26.16/27.01/1.62'	830
	1/2"DR.			
6474450KS	30-150	450	12/19.44/20.18/1.30'	1316
6474570KS	50-250	570	12/23.98/25.02/1.86'	1658

• Spare part available



Tone control torque wrench

NEW

TORQUE



647...J	Capacity	l		
Part no.	Nm	mm	packing	g
	1/4"DR.			
6472030J	6-30	281	24/18.96/19.79/1.41'	530
	3/8"DR.			
6473030J	6-30	281	24/17.76/18.55/1.41'	530
6473110J	20-110	361	24/23.04/23.90/1.62'	770
	1/2"DR.			
6474210J	40-210	461	12/18.12/18.86/1.30'	1250
6474350J	50-350	553	12/21.84/22.85/1.86'	1590
	3/4"DR.			
6476600J	100-600	1010	2/12.79/13.93/1.53'	4730
6476800J	150-800	1200	2/14.11/15.24/1.53'	5990
64761000J	200-1000	1200	2/15.20/16.35/1.53'	5990
	1"DR.			
64781000J	200-1000	1200	2/15.36/16.61/1.53'	5990
Part no.	Inch-lb	mm	packing	g
	3/8"DR.			
6473030JS	55-250	281	24/18.24/19.18/1.41'	530
Part no.	Ft-lb	mm	packing	g
	3/8"DR.			
6473110JS	15-80	361	24/22.8/23.66/1.62'	770
	1/2"DR.			
6474210JS	30-150	461	12/18.36/19.16/1.30'	1250
6474350JS	50-250	553	12/21.84/22.85/1.86'	1590
	3/4"DR.			
6476600JS	100-450	1010	2/13.00/14.15/1.53'	4730
6476800JS	100-600	1200	2/14.21/15.34/1.53'	5990
	1"DR.			
64781000JS	150-750	1200	2/15.19/16.33/1.53'	5990

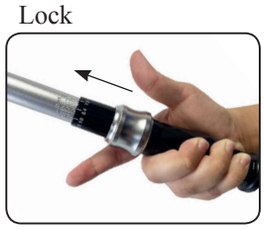
Unlock



Hold & Adjust



Lock



• Spare part available



Push



Lock torques wrench (tone control)

TORQUE

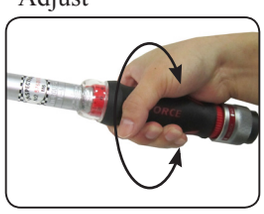


647	Capacity	l		
Part no.	Nm	mm	packing	g
	3/8"DR.			
6473383	10-80	383	12/12.5/13.1/0.76'	740
6473385	20-110	383	12/14.0/15.0/0.76'	960
	1/2"DR.			
6474536	40-210	535	10/21.5/22.1/1.34'	1764
6474646	70-350	645	6/18.4/19.0/0.92'	2540
	3/4"DR.			
6476865	100-500	865	4/19.5/20.5/1.1'	3660
64761088	140-700	1088	4/30.0/31.0/1.9'	5940
64761230	140-980	1230	2/16.0/17.0/1.1'	6460
	1"DR.			
64781230	140-980	1230	2/16.0/17.0/1.1'	6460
Part no.	Ft-lb	mm	packing	g
	3/8"DR.			
6473383S	10-60	383	12/12.5/13.1/0.76'	740
6473385S	15-80	383	12/14.0/15.0/0.76'	960
	1/2"DR.			
6474536S	30-150	535	10/20.6/21.2/1.3'	1070
6474646S	50-250	645	6/18.4/19.0/0.92'	2540
	3/4"DR.			
6476865S	50-300	865	4/19.5/20.5/1.1'	3660
64761088S	100-600	1088	4/30.0/31.0/1.9'	5940
64761230S	100-700	1230	2/16.0/17.0/1.1'	6460
	1"DR.			
64781230S	100-700	1230	2/16.0/17.0/1.1'	6460

Unlock



Adjust



Lock



• Spare part available





Clockwise click
for right thread nut



Anti-clockwise click
for left thread nut

Lock torque wrench - window display

TORQUE



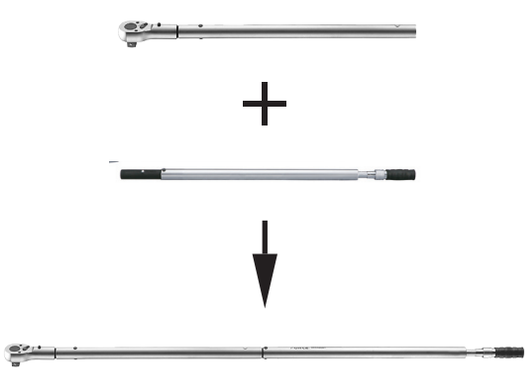


647...W	Capacity	l	
Part no.	Nm	mm	g
	1/4"DR.		
6472290W	5-25	290	420
	3/8"DR.		
6473360W	10-50	360	920
6473405W NEW	20-100	405	1020
	1/2"DR.		
6474405W	20-100	405	1020
6474500W	40-200	500	1200
6474595W	60-300	595	1330
6474680W	80-400	680	1820
	3/4"DR.		
6476970W	110-550	970	3700
64761150W	150-750	1150	5600
	1"DR.		
64781250W	200-1000	1250	7200

• Spare part available 

Double click torque wrench

TORQUE



647A	Capacity	l	
Part no.	Nm / in-lb	mm	kg
	3/4"DR.		
647A6021	300-1500 Nm	1700	12
647A6021S	200-1000 Ft-lb	1700	12
	1"DR.		
647A8021	300-1500 Nm	1700	12
647A8021S	200-1000 Ft-lb	1700	12
	1"DR.		
647A8031	400-2000 Nm	2146	13
647A8031S	300-1500 Ft-lb	2146	13

• Spare part available 

Double click torque wrench

TORQUE



647A	Capacity	l	
Part no.	Nm / in-lb	mm	kg
	1-1/2"DR.		
647A1201	600-3000 Nm	2780	15
647A1201S	400-2000 Ft-lb	2780	15

• Spare part available 

Lock torques wrench-window display (tone control)

TORQUE



6472195W 30/10.2/11.2/0.74' 340g

• 1/4"DR. 3-15 Nm (195 mm)
• Nm in display only.

Digital torque wrench

NEW

TORQUE



647G

• Buzzer and LED indicator.
• Mode: Peak, Track.
• Auto sleep after 120s of being idle.
• USB Data out.
• CW/ CCW Direction.
• Accuracy: CW±1% / CCW ±1.5%
• Memory: 100 Readings.
• Unit selection: Nm, Ft-lb, In-lb, kg-m.
• Battery: 1.5V AA Batteries x 3 (not included)

• Spare part available 

647G		Torque Range				l	
Part no.	DR.	Nm	Ft-lb	In-lb	Kg-m	mm	g
647G2360	1/4"	3-30	2.21-22.13	26.5-265.5	0.30-3.05	360	1012
647G3440	3/8"	10-100	7.3-73.7	88-885	1.02-10.20	440	1214
647G4640	1/2"	35-350	25.8-258.1	309.75-3097.5	3.57-35.7	640	1928

Digital angle torque wrench

NEW

TORQUE

0°-180°



647G...A

- Torque angle: 1°-180°
- Buzzer and LED indicator.
- Mode: Peak, angle & peak, Track.
- Auto sleep after 120s of being idle.
- RS-232 Data out.
- CW/CCW Direction.
- Accuracy: CW±1% / CCW ±1.5%
- Memory: 50 Readings.
- Unit selection: Nm, Ft-lb, In-lb, kg-m.
- Battery: 1.5V AA Batteries x 3 (not included)
- Spare part available 

647G...A		Torque Range				l	
Part no.	DR.	Nm	Ft-lb	In-lb	Kg-m	mm	g
647G2360A	1/4"	3-30	2.21-22.13	26.5-265.5	0.30-3.05	360	1012
647G3440A	3/8"	10-100	7.3-73.7	88-885	1.02-10.20	440	1214
647G4640A	1/2"	35-350	25.8-258.1	309.75-3097.5	3.57-35.7	640	1749

Interchangeable torque handle (Adjustable torque)

TORQUE



647B	▭	Torque	l	
Part no.	mm	Nm	mm	g
647B005D	9 x 12	1-5	195	340
647B030D	9 x 12	6-30	220	420
647B110D	9 x 12	20-110	403	970
647B210D	14 x 18	40-210	460	1160
647B350D	14 x 18	70-350	525	1310
647B450D	14 x 18	75-450	775	2220

647B	▭	Torque	l	
Part no.	mm	Nm	mm	g
647B800D	20 x 28.5	100-800	960	5750
647B1000D NEW	20 x 28.5	200-1000	1100	5460
647B1500D	20 x 28.5	300-1500	1786	12500

1/4"DR. Torque driver



647216	Capacity		
Part no.	Nm	packing	g
64721602	0.4-2	100/18.0/18.8/1.02'	130
64721605	1-5	30/11.7/12.3/1.0'	280
64721608	2-8	30/13.21/13.81/1.0'	280
64721610	2-10	30/13.6/14.0/0.96'	452

1/2" Digital torque adapter

NEW

TORQUE





647G4075 48/18.2/19.2/1.7' 290g

- Converts any ratchet or breaker bar into a digital torque wrench.
- Displaying torque value when pressure is applied.
- Highest torque value displayed after load is released (PEAK mode).
- Accurate within ±2%.
- Torque range: 30 to 260 Ft-lb, 40 to 350 Nm.
- 180 degrees swivel screen.
- LED backlight.
- 10 memory settings.
- Unit selection: Nm, Ft-lb, In-lb, kg-m, kg-cm.
- Length: 76 mm.
- Battery not included.

3/4" Digital torque extension

NEW

TORQUE



647G6250 12/22.0/25.4/2.4' 1874g

- Converts any ratchet or breaker bar into a digital torque wrench.
- Displaying torque value when pressure is applied.
- Highest torque value displayed after load is released. (PEAK mode).
- Accurate within ±2%.
- Torque range: 52 to 600 Ft-lb (70 to 813 Nm).
- LED backlight.
- 10 memory settings.
- Unit selection: Nm, Ft-lb, In-lb, kg-m, kg-cm.
- Length: 255 mm.
- Battery not included

8pc Head-interchangeable torque wrench & spanner set



64709 — 4/15.7/16.7/0.78' — 3925g

647B210	1pc	Torque wrench 40-210 Nm (14x18 mm)
685C14 32...82	7pc	Single hook spanner head (14x18 mm) 32; 43; 50; 60; 63.2; 72; 82 mm

10pc Head-interchangeable torque wrench & spanner set



64710 — 10/15.2/15.8/1.29' — 1520g

647B030	1pc	Torque wrench 6-30 Nm (9x12 mm)
647H209	1pc	1/4"DR. Ratchet head 24teeth (9x12 mm)
68509 07...14	8pc	Spanner head (9x12 mm) 7; 8; 9; 10; 11; 12; 13; 14 mm

12pc Head-interchangeable torque wrench & spanner set



64711 — 10/21.6/22.6/1.68' — 2160g

647B110	1pc	Torque wrench 20-110 Nm (9x12 mm)
647H309	1pc	3/8"DR. Ratchet head 24teeth (9x12 mm)
68509 10...19	10pc	Spanner head (9x12 mm) 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

11pc Head-interchangeable torque wrench & spanner set



64712 — 30/23.0/24.0/0.74' — 765g

647B015	1pc	Torque wrench 3-15 Nm (9x12 mm)
647H209	1pc	1/4"DR. Ratchet head 24teeth (9x12 mm)
685E09 051...069	9pc	Spanner head (9x12 mm) 5.1; 5.8; 6.1; 6.3; 6.4; 6.5; 6.7; 6.9 mm; 6pt. Spline

10pc Head-interchangeable torque wrench & spanner set



64713 10/15.2/16.2/1.29' 1520g

647B030W	1pc	Torque wrench 6-30 Nm (9x12 mm)
647H309A	1pc	3/8"DR. Ratchet head 24teeth (9x12 mm) (small, width 27 mm)
68509 07...14	8pc	Spanner head (9x12 mm) 7; 8; 9; 10; 11; 12; 13; 14 mm

12pc Head-interchangeable torque wrench & spanner set



64714 10/18.1/18.7/1.68' 1810g

647B060W	1pc	Torque wrench 12-60 Nm (9x12 mm)
647H409	1pc	1/2"DR. Ratchet head 24teeth (9x12 mm)
68509 10...19	10pc	Spanner head (9x12 mm) 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

12pc Head-interchangeable torque wrench & spanner set



64715 10/21.6/22.4/1.68' 2160g

647B100W	1pc	Torque wrench 20-100 Nm (9x12 mm)
647H409	1pc	1/2"DR. Ratchet head 24teeth (9x12 mm)
68509 10...19	10pc	Spanner head (9x12 mm) 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

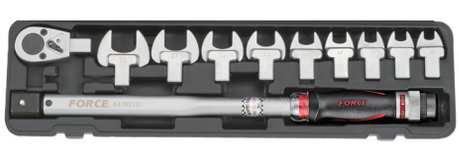
8pc Head-interchangeable torque wrench & spanner set



64704 6/19.5/20.5/1.2' 3250g

647B080	1pc	Torque wrench 10-80 Nm (14x18 mm)
647H414A	1pc	1/2"DR. Ratchet head 24teeth (14x18 mm) (small, width 36 mm)
68514 17...29	6pc	Spanner head (14x18 mm) 17; 22; 24; 26; 27; 29 mm

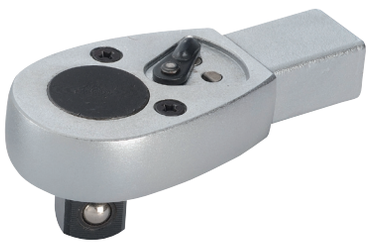
11pc Head-interchangeable torque wrench & spanner set



64705 4/17.7/18.7/0.96' 4425g

647B210	1pc	Torque wrench 40-210 Nm (14x18 mm)
647H414	1pc	1/2"DR. Ratchet head 24teeth (14x18 mm)
68514 13...30	9pc	Spanner head (14x18 mm) 13; 14; 15; 17; 19; 22; 24; 27; 30 mm

Torque handle fittings



647H

24 Teeth ratchet head (9 x 12 mm)

Part no.	DR.
647H209	1/4"
647H309	3/8"
647H309A	3/8" (small, width 27 mm)
647H409	1/2"



647H...-72

72 Teeth round ratchet head (9 x 12 mm)

Part no.	DR.
647H209-72	1/4"
647H309-72	3/8"
647H409-72	1/2"



68509

Open end wrench head (9 x 12 mm)

Part no.	size (mm)
6850907	7
6850908	8
6850909	9
6850910	10
6850911	11
6850912	12
6850913	13
6850914	14
6850915	15
6850916	16
6850917	17
6850918	18
6850919	19

Torque handle fittings



685A09

Box end wrench head (9 x 12 mm)

Part no.	size (mm)
685A0907	7
685A0908	8
685A0910	10
685A0911	11
685A0912	12
685A0913	13
685A0914	14
685A0915	15
685A0916	16
685A0917	17
685A0918	18
685A0919	19
685A0921	21
685A0922	22



685B09

Flare nut wrench head (9 x 12 mm)

Part no.	size (mm)
685B0910	10
685B0911	11
685B0912	12
685B0913	13
685B0914	14
685B0916	16
685B0917	17
685B0918	18
685B0919	19
685B0921	21
685B0922	22



647H

24 Teeth ratchet head (14 x 18 mm)

Part no.	DR.
647H314	3/8"
647H414	1/2"
647H414A	1/2" (small, width 36 mm)

Torque handle fittings



647H...-72

72 Teeth round ratchet head (14 x 18 mm)

Part no.	DR.
647H414-72	1/2"
647H314-72	3/8"

NEW



647H

60 Teeth ratchet head (20 x 28.5 mm)

Part no.	DR.
647H620	3/4"
647H820	1"



68514

Open end wrench head (14 x 18 mm)

Part no.	size (mm)	Part no.	size (mm)
6851413	13	6851429	29
6851414	14	6851430	30
6851415	15	6851432	32
6851416	16	6851434	34
6851417	17	6851436	36
6851418	18	6851438	38
6851419	19	6851440	40
6851421	21	6851441	41
6851422	22	6851442	42
6851424	24	6851444	44
6851426	26	6851446	46
6851427	27		



685A14

Box end wrench head (14 x 18 mm)

Part no.	size (mm)	Part no.	size (mm)
685A1413	13	685A1429	29
685A1414	14	685A1430	30
685A1415	15	685A1432	32
685A1416	16	685A1434	34
685A1417	17	685A1436	36
685A1418	18	685A1438	38
685A1419	19	685A1440	40
685A1421	21	685A1441	41
685A1422	22	685A1442	42
685A1424	24	685A1444	44
685A1426	26	685A1446	46
685A1427	27		



685C14

Single hook spanner head (14 x 18 mm)

Part no.	size (mm)
685C1432	32 ±5 mm (strong type)
685C1443	43 ±5 mm
685C1450	50 ±5 mm
685C1460	60 ±5 mm
685C1463	63.2 ±5 mm
685C1472	72 ±5 mm
685C1482	82 ±5 mm



685D14

Double hook spanner head (14 x 18 mm)

Part no.	size (mm)
685D1432	31.6 ±5 mm
685D1435	34.9 ±5 mm
685D1442	41.9 ±5 mm
685D1450	50 ±5 mm
685D1463	62.9 ±5 mm



68520

Open end wrench head (20 x 28.5 mm)

Part no.	size (mm)
6852032	32
6852036	36
6852041	41
6852046	46
6852050	50
6852055	55
6852060	60
6852065	65



685A20

Box end wrench head (20 x 28.5 mm)

Part no.	size (mm)
685A2036 NEW	36
685A2041 NEW	41
685A2046 NEW	46
685A2050	50
685A2055	55
685A2060	60
685A2065	65

2pc 1/4"DR. Torque driver set



64703

40/15.7/16.7/0.5' 393g

	1pc	1-5 Nm (64721605)
	1pc	1/4"DR. x 1/4"(F)

64703A

40/15.7/16.7/0.5' 393g

Changed items		
	1pc	2-8 Nm (64721608)

47pc 1/4"DR. Torque driver set



K64706

24/20/21/1.5' 905g

	4pc	1/4" PH.0; PH.1; PH.2; PH.3 (25 mmL)
	4pc	1/4" PZ.0; PZ.1; PZ.2; PZ.3 (25 mmL)
	5pc	1/4" 3; 4; 5; 5.5; 6.5 mm (25 mmL)
	6pc	1/4" 1.5; 2; 3; 4; 5; 6 mm (25 mmL)
	3pc	1/4" 1; 2; 3 mm (25 mmL)
	11pc	1/4" T6; T7; T8; T9; T10; T15; T20; T25; T27; T30; T40 (25 mmL)
	11pc	1/4" T-6H; T-7H; T-8H; T-9H; T-10H; T-15H; T-20H; T-25H; T-27H;T-30H; T-40H (25 mmL)
	1pc	1-5 Nm (64721605)
	1pc	4" (100 mm)
	1pc	1/4"DR. x 1/4"(F)

K64706S

24/20.9/21.9/1.5' 905g

Changed items		
	1pc	10-50 Inch-lb (64721605S)

49pc 1/4"DR. Torque driver set

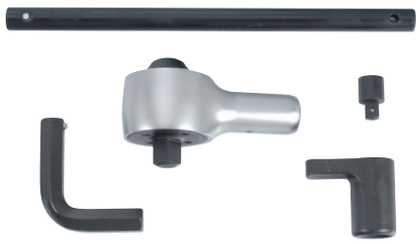


K64708

24/16.4/17.4/1.5' 684g

	4pc	1/4" PH.0; PH.1; PH.2; PH.3 (25 mmL)
	4pc	1/4" PZ.0; PZ.1; PZ.2; PZ.3 (25 mmL)
	5pc	1/4" 3; 4; 5; 5.5; 6.5 mm (25 mmL)
	6pc	1/4" 1.5; 2; 3; 4; 5; 6 mm (25 mmL)
	3pc	1/4" 1; 2; 3 mm (25 mmL)
	13pc	1/4" T4; T5; T6; T7; T8; T9; T10; T15; T20; T25; T27; T30; T40 (25 mmL)
	11pc	1/4" T-6H; T-7H; T-8H; T-9H; T-10H; T-15H; T-20H; T-25H; T-27H;T-30H; T-40H (25 mmL)
	1pc	1-5 Nm (64721605)
	1pc	1/4" Hex - 1/4" Sq (25 mmL)
	1pc	Magnetic 1/4" Hex - 1/4" Inhex 2.3" (60 mm)

Torque multiplier set



65111L

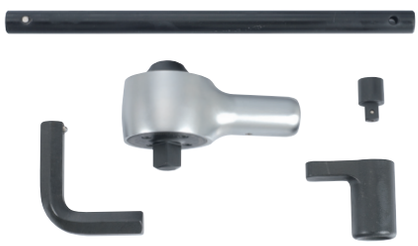
2/12.5/13.5/1' 3700g

- Always apply the break-away adapter in order to protect the torque multiplier from damage.
- The break-away adapter is expendable.

Contents:

2pc Torque multiplier head & 380 mm reaction bar (65111)
Drive: 1/2"(F) x 3/4"(M)
Gear ratio 1:9
Torque ratio 1:6.5
Max. Input: 231 Nm
Max. Output: 1500 Nm
1pc 90° Reaction bar (65111L-1)
1pc 90° Reaction base (65111L-2)
1pc Break-away adapter (65111L-3)

Torque multiplier set



65112L

2/13/14/1' 4000g

- Always apply the break-away adapter in order to protect the torque multiplier from damage.
- The break-away adapter is expendable.

Contents:

2pc Torque multiplier head & 380mm reaction bar (65112)
Drive: 1/2"(F) x 1"(M)
Gear ratio 1:12
Torque ratio 1:9
Max. Input: 222 Nm
Max. Output: 2000 Nm
1pc 90° Reaction bar (65112L-1)
1pc 90° Reaction base (65112L-2)
1pc Break-away adapter (65112L-3)

Torque multiplier set



65113L

2/15/16/1' 4800g

- Always apply the break-away adapter in order to protect the torque multiplier from damage.
- The break-away adapter is expendable.

Contents:

2pc Torque multiplier head & 380mm reaction bar (65113)
- Drive: 3/4"(F) x 1"(M)
- Gear ratio 1:4
- Torque ratio 1:3.3
- Max. Input: 758 Nm
- Max. Output: 2500 Nm

1pc 90° Reaction bar (65113L-1)
1pc 90° Reaction base (65113L-2)
1pc Break-away adapter (65113L-3)

Mechanical torque multipliers



65101 / 65102



65101L / 65102L

65101 / 65102

	Max. Output	Square Drive	Ratio
Part no.	Nm / Ft-lb	size	
65101	1500 / 1100	1/2" to 3/4"	1:3
65102	3000 / 2200	3/4" to 1"	1:3

	Max. Input		
Part no.	Nm / Ft-lb	packing	g
65101	500 / 365	4/14.4/15.4/0.75'	3600
65102	1000 / 730	4/19.4/20.4/1.0'	4850

- Spare part available
- Impact use is prohibited
- **65101L / 65102L**:
  Supplied with the reaction bar styles for maximum versatility.

Torque multiplier



65103 / 65104

Part no.	Drive	Ratio	Max. Input	Max. Output	
			Nm / Ft-lb	Nm / Ft-lb	kg
65103	1/2"(F) x 3/4"(M)	1:10	150 / 110	1500 / 1100	3.4
65104	1/2"(F) x 1-1/2"(M)	1:10	400 / 300	4000 / 3000	16.0

- Impact use is prohibited

Mechanical torque multipliers



65106 / 65107

Part no.	Drive	Torque Ratio	Max. Input	Max. Output	
			Nm	Nm	kg
65106	1/2"(F) x 3/4"(M)	1:5	260	1300	8.8
65107	3/4"(F) x 1"(M)	1:5	540	2700	8.7

- Material: SCM440 (4140)
- Finish: Manganese phosphate

Mini torque multiplier

NEW



65108 / 65109

Part no.	Drive	Torque Ratio	Max. Input	Max. Output	
			Nm / Ft-lb	Nm / Ft-lb	kg
65108	1/2"(F) x 1/2"(M)	1:3.4	176 / 127	600 / 443	1.1
65109	1/2"(F) x 3/4"(M)	1:3.4	235 / 173	800 / 590	1.1

- Energy- saving tool for tire changing of car and van
- Small size, light weight, easy to carry & store.
- Supplied with the rubber-covered reaction bar for tire rim protection purpose.
- Accuracy: ±5%.


Remover

Open ended pre-set torque wrench



647C	Spanner size	Torque	l	
Part no.	mm	Nm	mm	g
647C1817	17	18	220	410
647C4222	22	42	230	450
647C5526	26	55	290	600
647C6529	29	65	295	620

Pipe torque wrench



647P	Torque	Jaw opening	l	
Part no.	Nm	mm	mm	kg
647P210	40-210	48	590	3.0
647P350	70-350	63	825	3.7
647P500	100-500	63	920	4.3

• Accuracy: ±6%

Hydraulic bearing separator puller set



66601 2/15/16/1.06' 8840g

Contents:

1pc Hydraulic ram (SCM415 Diameter 37.7 mm x 160 mmL x 16 t)
1set Bearing separator & bolts, SCM415, capacity 75-105 mm
2pc Main rod (8" x 1.75p)
2pc Extension rod (8" x 1.75p)
1pc Beam
1pc Central adaptor (Ø1" x L 30 mm)



Pressure screw separator puller set



66602 2/17.3/18.3/1.0' 8650g

Contents:



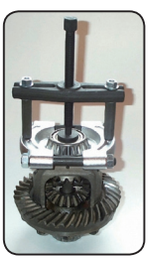
1pc Central bolt
1set Bearing separator & bolts, SCM415,
capacity 75-105 mm
2pc Main rod (8" x 1.75p)
2pc Extension rod (8" x 1.75p)
1pc Beam
1pc Central nut
1pc Central extension rod
1pc Central adaptor (Ø1" x L 30 mm)

Two sets bearing separator kit



66610 5/23.0/24.0/1.8' 4.6kg

Contents:



2 set Bearing separator & bolts
(SCM415 Drop forged HRC 42-45)
Capacity: 30-50 mm
Capacity: 50-75 mm
4pc Main/Extension rod
(Hex bar 17 mm x 127 mmL x 3/8" - 16T)
4pc Main/Extension rod
(Hex bar 14 mm x 102 mmL x 3/8" - 16T)
1pc Beam (S45C)
1pc Forcing screw (Ø9/16" - 10 T/inch x 175 mmL S45C)
• Packing: Blow mold case

Pressure screw separator puller set



66612 2/18.0/19.0/0.5' 9kg

Contents:



1set Bearing separator & bolts
(SCM415 Drop forged HRC 42-45)
Capacity: 75-105 mm
2pc Main rod
(Hex bar 19 mm x 8" L x Ø15.24 mm - 1.75P)
2pc Extension rod
(Hex bar 19 mm x 8" L x Ø15.24 mm - 1.75P)
1pc Beam (S45C)
1pc Forcing screw (Ø18.65 - 10T/inch x 292 mmL S45C)
1pc Central nut
• Packing: Metal case

Hydraulic bearing separator puller set



66613 2/30/31/0.8' 12kg



Contents:

1pc Hydraulic ram (SCM420 Ø37.7 mm)
1set Bearing separator & bolts
(SCM415 Drop forged HRC 42-45)
Capacity: 105-150 mm
2pc Main rod
(Hex bar 21 mm x 10" L x Ø5/8" - 11 NC)
2pc Extension rod
(Hex bar 21 mm x 10" L x Ø5/8" - 11 NC)
1pc Beam (Ductile)
1pc Ram extension rod (Ø1" x L2")
1pc Ram extension rod (Ø1" x L4")
1pc Central adaptor (Ø1" x 30 mm)
1pc Step plat puller adaptor (Ø80 x Ø63 mm)
• Packing: Metal case

Mini bearing separator assembly



66614 20/12.7/13.7/0.8' 636g



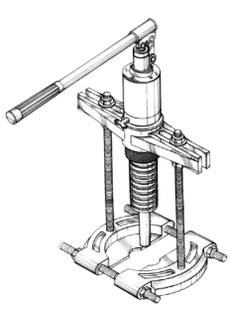
Bearing separator inside:
• Capacity 3/8" to 1-1/4" (10 mm to 30 mm)
• Bolt (6.3 mm x 83 mmL x 1/4" x 20 UNC)
• Body thread 3/8" x 20 UNC

Pull out the bearing with the H-type beam and bolts.

Hydraulic bearing separator puller set



666	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
66605	6	300/190	235/90	82	12.45
66606	8	300/245	235/90	82	13.75
66607	10	300/190	235/90	82	12.45
66608	12	300/245	235/90	82	13.75



Bearing separator

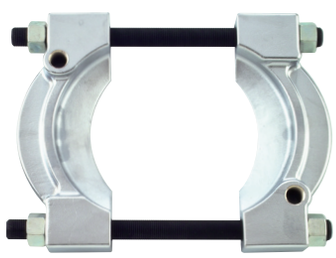




666

Part no.	Capacity	Bolt	Hole
666050	1-1/4" to 2-1/4" (30-50 mm)	9.5 mm x 125 mmL x 3/8" x 24 t	8.2 mm x 3/8" x 16 t
666075	2-1/4" to 3-1/2" (50-70 mm)	12.7 mm x 135 mmL x 1/2" x 20 t	8.2 mm x 3/8" x 16 t
666105	3" to 4-1/2" (75-105 mm)	16 mm x 165 mmL x 5/8" x 18 t	11.2 mm x 1/2" x 12 t
666150	4" to 6" (105-150 mm)	19mm x 260 mmL x 3/4" x 16 t	14.6 mm x 5/8" x 11t
666225	35-225 mm	20 mm x 255 mmL	5/8" x 11P
666300	35-300 mm	26 mm x 355 mmL	3/4" x 10P

Bearing separator



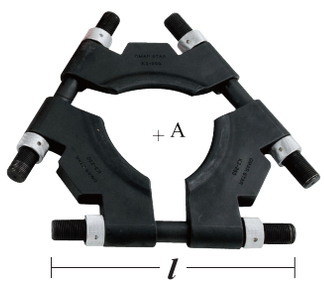
666140

4/20.4/21.4/0.5' 5.1kg

• Capacity 1.5" to 6" (35-140 mm)

Bearing separator





666T	A	l	
Part no.	mm	mm	kg
666T050	12-50	88	0.43
666T100	26-100	154	2.27
666T160	50-160	228	6.07
666T260	90-260	344	19.4
666T380	140-380	482	48.21

Locking jaw puller set

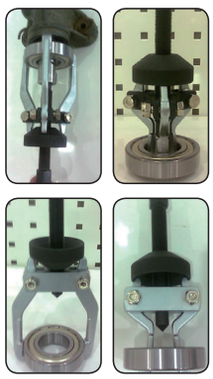


664P

6/13.6/14.6/1.33' 2260g

• With several pulling attachments to give the user various methods for pulling, maintenance and repair applications.

Contents:
9pc Adjustable reversible jaw
1pc Forcing screw
1pc Two-way yoke
1pc Three-way yoke
1pc Reversible adjusting nut
3pc Screw & nut



Internal & external puller set



66431

3/15/16/1.2' 5002g

• Drop forged chrome vanadium steel



Contents:
1pc Internal small (Capacity: 15-30 mm)
1pc Internal large (Capacity: 30-80 mm)
1pc External (Capacity: 15-80 mm)
1pc Slide shaft
1pc Slide hammer
1pc Nut

Rear axle puller & external rearing puller set



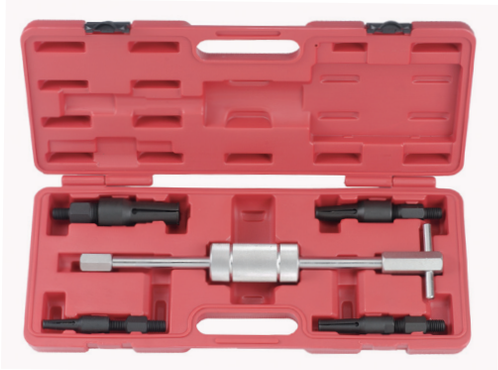
66432

3/16.0/17.0/1.5' 5300g

• Chrome molybdenum steel external bearing puller with chrome plated & black finish.
• Suitable for rear axle puller & external bearing puller.

Contents:
1pc Slide screw: 5/8" - 16T x 22-1/2" (16 mm - 16T x 57cm)
1pc External bearing puller capacity from 15-80 mm (9/16" to 3-1/2")
3pc Axle yoke
1pc Bearing adaptor
1pc Slide hammer 3-3/4 LB (1.75 kg)
1pc Lock nut 5/8" (16 mm)
1pc Bearing hook

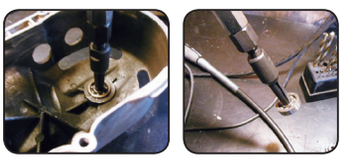
Blind hole bearing puller set



905T6

5/17.5/18.5/1.25' 3650g

- One slide hammer shaft & 4 clamps.
- Adjustable collets make easy removal of bearing or bushings form blind holes.
- Clamps:
  7/16" to 1/2" (11-14 mm),
  9/16" to 3/4" (15-19 mm),
  11/16" to 15/16" (18-24 mm),
  1" to 1-1/4" (25-32 mm)



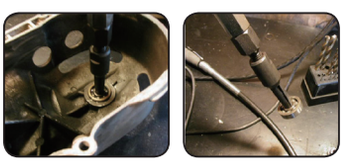
Blind hole bearing puller



910T1

5/16.5/17.5/1.66' 3500g

- Two-function bearing remover for puller and slide hammer.
- One slide hammer, 62 mm tailpipe expanders and pullers for 8-32 mm.



Blind hole bearing puller and slide hammer set

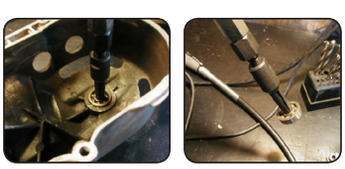
NEW



915T1

4/20.0/21.5/2.2' 5125g

- Two-function bearing remover for puller and slide hammer.
- One slide hammer, 62 mm tailpipe expanders and pullers for 8-55 mm.



2-in-1 Bearing puller (2 Jaws)



66621 2/10.7/11.7/0.62' 5400g

• Inside diameter 38-120 mm

2-in-1 Bearing puller (3 Jaws)



66620 4/12.4/13.4/1.17' 3050g

• Inside diameter 12-38 mm



Pilot bearing puller



66619 20/18.3/19.0/0.8' 920g

• Capacity: inside diameter 12-38 mm, 1/2" to 1-1/2"

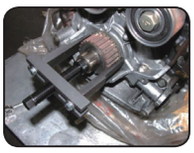


Thick jaws gear puller



65910 20/15.0/16.0/0.61' 680g

- Jaws thickness: 1.5 mm
- Depth: 100 mm
- Bearing dimension: 40-90 mm



Bearing puller



666A	Capacity		
Part no.	mm	packing	g
666A035	19-35	60/19.6/20.6/1.4'	280
666A055	24-55	24/19.3/20.3/1.4'	783
666A080	35-80	12/19.3/20.3/1.4'	600



Long jaw bearing puller



66616 20/24/25/1.1' 1200g

- For long distance pulling jobs
- Capacity 10-50 mm
- Alloy steel
- Jaw long 300 mm (SCM415 drop forged HRC 40-42)
- Drop forged hardened 48° - 50°
- Forcing screw (SCM415)
- Stopper cone (S45C)
- Connector (SCM415)

Bearing separator



66618

20/17.0/18.0/1.5' 800g

- This kit is different from other bearing separators. When obstruction is round external dia. and internal dia. of bearing, it can be used on the confined space to damage the protecting cover of bearing and easily remove bearings.
- Adjust range: 20-95 mm
- Bearing range:
  6004-6010 (Jaw size: Ø6/8)
  6201-6206 (Jaw size: Ø5.5/6/8)
  6300-6304 (Jaw size: Ø6/8)



Bearing separator

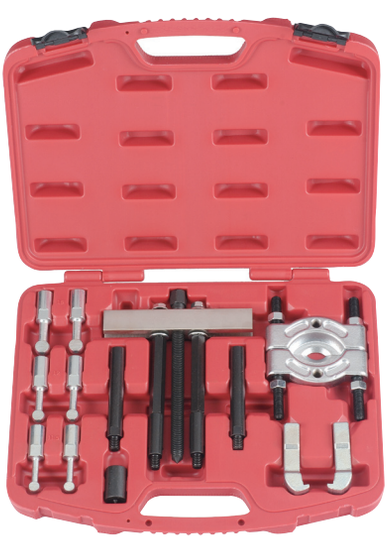


66618M

12/22.0/23.0/1.3' 1700g

- This kit is different from other bearing separators. When obstruction is round external dia. and internal dia. of bearing, it can be used on the confined space to damage the protecting cover of bearing and easily remove bearings.
- Adjust range: 35-120 mm
- Bearing range:
  6207-6211 (Jaw size: Ø11/12.5/15)
  6305-6308 (Jaw size: Ø11/12.5)
  6403-6405 (Jaw size: Ø11/12.5/15)

Unique bearing removal kit



66618MA

5/17.0/18.0/1.2' 2700g

- Three-way operation allows use with traditional bearing separator, internal or external legs or bearing race separator. Bearing race separator application makes this kit ideal for use on “blind” mounted bearings where rear of bearing is not accessible.
- Adjust range: 35-120 mm
- Bearing range:
  6207-6211 (Jaw size: Ø11/12.5/15)
  6305-6308 (Jaw size: Ø11/12.5)
  6403-6405 (Jaw size: Ø11/12.5/15)
- Beam: 30-50 mm
- Legs: 30-90 mm

Hydraulic gear puller set



66622 1/16.5/17.5/1.2' 16.5kg

• For Agriculture / Machine / Garage / Industry use.

Contents:

1pc Hydraulic ram (SCM420 Ø37.7 mm)
1pc Twin head
1pc Triple head
1pc Ram nut (SCM415 HRC 42-45)
1pc Beam (S45C)
3pc 4" Leg (SCM415 HRC 42-45)
3pc 6" Leg (SCM415 HRC 42-45)
3pc 8" Leg (SCM415 HRC 42-45)
1pc Central adaptor (Ø1" x L30 mm S45C)
1pc Ram extension rod (Ø1" x L2" S45C)
1pc Ram extension rod (Ø1" x L4" S45C)
2pc Main rod (Hex bar 19 mm x L8" x Ø15.24 mm - 1.75P)
2pc Extension rod (Hex bar 19 mm x L8" x Ø15.24 mm - 1.75P)
1pc Bearing separator, spread range 75-105 mm
(SCM415 Drop forged HRC 42-45)

6 ways multi purpose hydraulic gear puller



66623 5/24.0/25.0/1.3' 4800g

Contents:

1pc Hydraulic ram (SCM420 Ø37.7 mm)
1pc Combination cross head (S45C)
3pc Combination leg (SCM415 Drop forged HRC 42-45)
6pc Steel plate
6pc Screw / Nut / Washer
1pc Central adaptor (Ø1" x L30 mm S45C)
1pc Ram extension rod (Ø1" x L2" S45C)

Micro 3" jaw lock puller



66617 12/12.0/13.0/0.7' 1420g

- Forcing screw (SCM415)
- Chuck (SCM415)
- 3" Jaw 3 pieces (SCM415)

Hydraulic 6" jaw lock puller



66617A 4/14.0/15.0/0.7' 5500g

- Hydraulic ram (SCM420)
- Chuck (SCM415)
- 6" Jaw 3 pieces (SCM415)

Inside puller



66624 12/19.0/20.0/2.0' 1600g

- Spread: 23-130 mm
- Depth: 140 mm

Outside puller



66625 12/22.0/23.0/1.6' 1.8kg

- Spread: 7-140 mm
- Depth: 147 mm

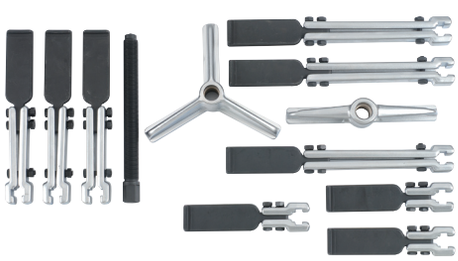
Universal puller set



66626 3/20.5/21.3/1.2' 7200g

Contents:
1pc Beam 2-arm
1pc Beam 3-arm
9pc Pulling legs, length 100/200/250 mm
2pc Spindle

Universal puller set



66627 2/25.0/26.0/1.25' 12.4kg

Contents:
1pc Beam 2-arm
1pc Beam 3-arm
9pc Pulling legs, length 150/220/300 mm
1pc Spindle

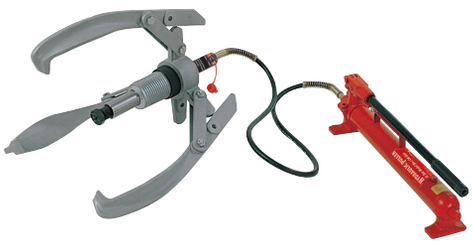
2&3 Jaws gear puller set



66628 6/16.5/17.5/0.93' 2.75kg

Contents:
1pc Beam with 2-arm and 3-arm
6pc Pulling legs, length 130/200 mm
1pc Spindle (219 mm)

Separate hydraulic puller



6590825	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
6590825	25	375-15"	50/540	110	39.82

Hydraulic puller with hydraulic pump



6590850	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
6590850	50	405-16"	50/750	250	91.74
6590850L	50	635-25"	50/1000	250	99.47

Hydraulic puller



65911	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
6591106	6	300-12"	95/235	82	6.25
6591108	8	300-12"	95/235	82	6.85
6591110	10	330-13"	95/235	82	6.25
6591112	12	330-13"	95/235	82	6.85

Hydraulic puller



65912	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
6591206	6	170-7"	95/210	82	6.45
6591208	8	220-9"	95/220	82	7.75
6591210	10	190-8"	95/210	82	6.45
6591212	12	240-10"	95/220	82	7.75

Hydraulic puller



65913	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
6591306	6	170-7"	95/210	82	8.7
6591308	8	220-9"	95/220	82	10.05
6591310	10	190-8"	95/210	82	8.7
6591312	12	240-10"	95/220	82	10.05

Hydraulic puller



65906	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
6590604	4	152-6"	150	55	4.5
6590606	6	152-6"	200	82	5.95
6590606L	6	190-8"	200	82	4.9
6590608	8	190-8"	250	82	8.45
6590608L	8	225-10"	250	82	6.6
6590615	15	225-10"	280	82	8.0
6590615L	15	300-12"	280	82	8.0

Hydraulic puller



6590630	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
6590630	30	375-15"	540	110	35.2

Hydraulic puller



65907	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
6590710	10	182-7"	280	82	7.55
6590710L	10	220-9"	280	82	9.15
6590712	12	220-9"	305	82	10.65
6590712L	12	260-10"	305	82	12.25
6590720	20	260-10"	356	82	13.75
6590720L	20	300-12"	356	82	17.25

Hydraulic puller



6590725	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
6590725	25	300-12"	406	110	22.45
6590725L	25	375-15"	406	110	29.35

Separate hydraulic puller



65908	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
6590815	15	230-9"	50-280	82	14.64
6590815L	15	300-12"	50-350	82	21.12

Puller accessory



659C2	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
659C208	8-12	220-9"	95/220	82	6.0
659C210	6-10	190-8"	95/210	82	4.8

Puller accessory



659C3	Capacity	Reach	Spread	Stroke	
Part no.	ton	mm	mm	mm	kg
659C308	8-12	220-9"	95/220	82	9.0
659C310	6-10	190-8"	95/210	82	7.65

Puller accessory and straightener



659A01

659A02

659A03

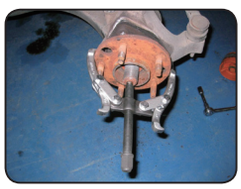
659A	Reach	Spread	Stroke	
Part no.	mm	mm	mm	kg
659A01	150	100/410	82	9.5
659A02	205	100/410	82	9.0
659A03	205/150	100/410	82	10.0

• This puller part converts 6590615 and 6590815 into a hydraulic straightening tool.

Gear puller - 2 Jaw



65901	Size	Capacity	Spread
Part no.	inch	ton	mm
6590103	3"	2	40/75
6590104	4"	4	50/100
6590106	6"	6	70/150
6590108	8"	10	95/200
6590112	12"	15	140/300



Gear puller - 3 Jaw



65902	Size	Capacity	Spread
Part no.	inch	ton	mm
6590203	3"	3	40/75
6590204	4"	6	50/100
6590206	6"	9	70/150
6590208	8"	15	95/200
6590212	12"	22	140/300



Gear puller – 2 Arm



65903	Span width	Capacity	
Part no.	mm	ton	kg
65903065	25-65	1.5	0.4
65903090	30-90	3.0	0.9
65903130	45-130	3.0	1.0
65903160	45-160	4.0	2.8
65903210	45-210	4.0	3.0
65903270	65-270	5.0	7.5
65903340	65-340	5.0	8.2

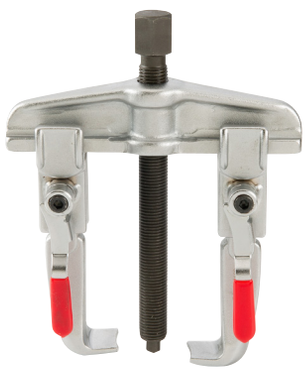
Gear puller - 2 Jaw



65909	Span width	Jaw depth	Capacity	
Part no.	mm	mm	ton	kg
65909090	90	100	3.0	1.1
65909130	130	100	3.0	1.3
65909160	160	150	5.0	3.2
65909200	200	150	5.0	3.6
65909250	250	200	7.5	7.8
65909350	350	200	7.5	9.2
65909520	520	200	10.0	15.2
65909640	640	225	15.0	23.2



Quick-adjusting puller - 2 Arm



65909...Q	Span width	Jaw depth		
Part no.	mm	mm	packing	kg
65909090Q	90	100	10/12.0/13.0/0.87'	1.2
65909130Q	130	100	10/13.8/14.8/1'	1.3
65909160Q	160	150	5/16.0/17.0/0.87'	3.1
65909200Q	200	150	5/18.3/19.3/1'	3.6
65909250Q	250	200	3/21.3/22.3/0.7'	7.3



Gear puller – 3 Arm



65910	Span width	Jaw depth		
Part no.	mm	mm	packing	kg
65910090	90	100	12/17.53/18.53/0.7'	1.5
65910130	130	100	12/19.65/20.65/0.96'	1.7
65910160	160	150	5/20.27/21.27/0.87'	4.1
65910200	200	150	5/22.0/23.0/0.87'	4.4
65910250	250	200	2/18.1/19.1/0.9'	9.1

Quick-adjusting puller - 3 Arm



65910...Q	Span width	Jaw depth		
Part no.	mm	mm	packing	kg
65910090Q	90	100	12/18.7/19.7/0.7'	1.5
65910130Q	130	100	12/20.1/21.1/0.96'	1.7
65910160Q	160	150	5/20.6/21.6/0.87'	4.1
65910200Q	200	150	5/22.3/23.3/1'	4.4
65910250Q	250	200	2/17.6/18.6/0.9'	8.8



Mechanical



6590305



6590309



6590312

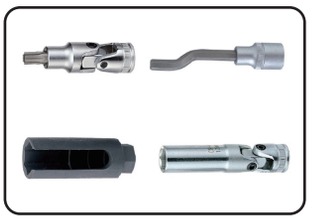
65903	Reach	Spread	Stroke	Max. Output	
Part no.	mm	mm	mm	ton	kg
6590305	40	130	105	3-5	1.95
6590309	50	230	150	5-8	4.75
6590312	120	295	230	5-10	5.95

FORCE Professional Tools

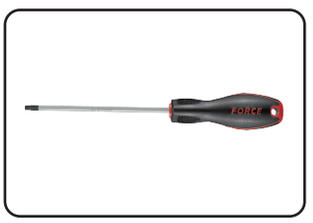


General

8-1 **Socket bit tool / Socket series**



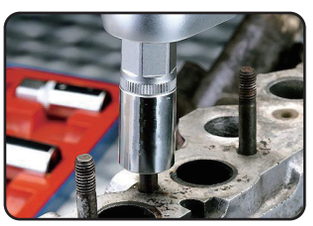
8-13 **Wrench series / Screwdriver**



8-16 **Air hose reel / Air blow gun**



8-19 **Stud extractor**

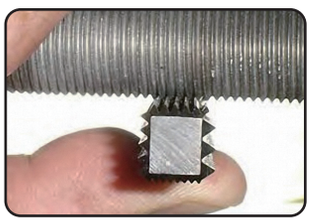


8-21 **Damaged bolt remove / Screw extractor**



8-26

8-27 **Threaded repair / Nut cracker tool**



8-31 **Hammer / Chisel / Pin punch**



8-35 **Riveter tool**



8-38 **Vise**

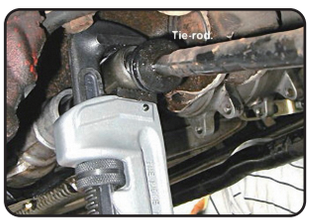


8-40 **Shears / Pliers**



8-48

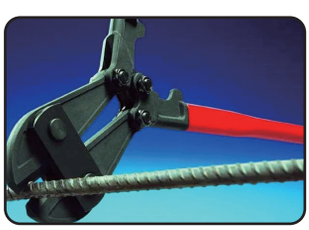
8-49 **Pipe wrench**



8-51 **Tubing cutter / Double flaring tool**



8-57 **Steel wire rope / Bolt cutter**



8-58 **Inspection mirror / Work light**



8-63 **Magentic pick-up / Fender cover / Car seat**



8-65

8-65 **Fender cover / Seat cover**



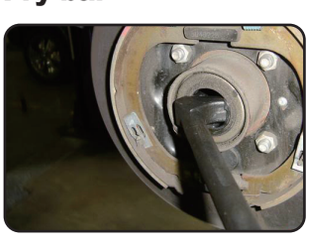
8-66 **Steel creeper / Steel car seat**



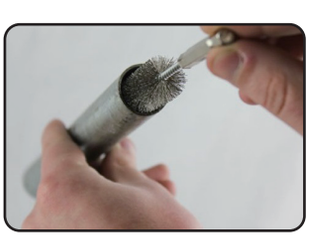
8-67 **Oil pump**



8-68 **Grease gun / Oil can / Pry bar**



8-74 **Brush**



8-75

20pc 1/2"DR. Hex socket bit set



4206 4/13.0/14.0/1.3' 3250g

	10pc	5; 6; 7; 8; 9; 10; 12 mm (55 mmL) 14 mm (65 mmL) 17; 19 mm (70 mmL)
	10pc	5; 6; 7; 8; 10; 11; 12; 13; 14 mm (100 mmL) 17mm (110 mmL)

26pc 1/2"DR. Star socket bit set



4263 4/14.9/15.9/1.3' 3725g

	12pc	T20; T25; T27; T30; T35; T40; T45; T47; T50; T55; T60; T70 (55 mmL)
	14pc	T20; T25; T27; T30; T40; T45; T50; T55; T60; T70; T80; T90; T100 (100 mmL) T60 (140 mmL)

28pc 1/2"DR. Spline socket bit set



4285 4/17.6/18.6/1.3' 4400g

	8pc	M5; M6; M8; M9; M10; M12; M14; M16 (55 mmL)
	15pc	M5; M6; M8; M9; M9.5; M10; M12; M14; M16; M18 (100 mmL) M8; M9; M10; M12; M14 (140 mmL)
	2pc	M14; M16 (55 mmL)
	1pc	M16 (100 mmL)
	2pc	M10 Alternator tools (674)

26pc 1/2"DR. Ribe socket bit set



4265 — 4/15.7/16.7/1.3' — 3925g

1pc	M6 (55 mmL)
15pc	M5; M6; M7; M8; M9; M10; M12; M13; M14; M16 (100 mmL) M8; M9; M10; M12; M14 (140 mmL)
1pc	M10S (140 mmL)
9pc	M5; M6; M7; M8; M9; M10; M12; M14; M16 (63 mmL)

26pc 1/2"DR. Auto special socket bit set



4266 — 4/18.8/19.8/1.3' — 4700g

3pc	11; 13 mm (100 mmL) 10 mm (140 mmL)
3pc	T60; T70 (100 mmL) T60 (140 mmL)
4pc	T-55H (100 mmL) T-70H (105 mmL) T-30H (130 mmL) T-80H (140 mmL)
6pc	M14 (100 mmL) M9 (120 mmL) M8; M9; M10; M12 (140 mmL)
1pc	M16 (55 mmL)
1pc	M16 (100 mmL)
3pc	M13 (100 mmL) M12 (120 mmL) M9 (140 mmL)
1pc	M10S (140 mmL)
2pc	M10 Alternator tools (674)
2pc	T50 Alternator tools (678)

31pc 1/4" Bit set



2311 — 40/12.6/13.6/1.1' — 315g

6pc	1/4" PH.0, PH.1x2, PH.2x2, PH.3 (25 mmL)
6pc	1/4" PZ.0, PZ.1x2, PZ.2x2, PZ.3 (25 mmL)
4pc	1/4" 3; 4; 5; 6.5 mm (25 mmL)
6pc	1/4" 2; 2.5; 3; 4; 5; 6 mm (25 mmL)
8pc	1/4" T-10H, T-15H, T-20H, T-25H, T-27H, T-30H, T-35H, T-40H (25 mmL)
1pc	Magnetic QR 1/4"Hex-1/4"Inhex 2.3" (60 mm)



*With strut to allow one-button opening



10 sets / display box

9pc 1/4" & 3/8" Five-sided star tamperproof socket bit set



3095 — 30/7.0/8.0/0.9' — 233g

7pc	1/4"DR. TS10; TS15; TS20; TS25; TS27; TS30; TS40 (32 mmL)
2pc	3/8"DR. TS45; TS50 (50 mmL)

3/8"DR. Universal star socket bit



336...U

Part no.	Tip	mm	g	pc/box
33645U	T45	65	68	10
33650U	T50	65	70	10

5pc 1/2" Specialty set



4059 20/13/14/1.3' 650g

3pc	M8; M10; M12 (140 mmL)
1pc	8mm (130 mmL)
1pc	8mm (105 mmL) (33410508B)

PH.2 Bits with limiter



121A		l		
Part no.	size	mm	packing	g
121A252	PH.2	25	400/7.8/8.8/1.2'	19.5
121A502	PH.2	50	400/10.2/11.2/1.2'	25.5



Angle drill tool with quick release



827B03 48/18.7/19.7/0.8' 390g

- 1/4" Hex shank.
- 1/4" Bit holder with quick release.
- Adjustable mini handle attached to quick locking sleeve allows user to rotate it 360°.
- Transmit the spinning smoothly at the 90° direction switch.
- Reach most difficult space.

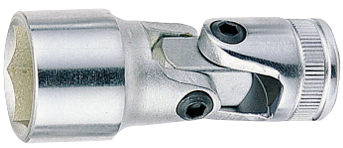
Magnetic screw bit holder



827B02 400/3.2/4.2/0.58' 8g

- Width: 14 mm
- Length: 24 mm

1/4"DR. Universal 6pt. flank socket



80525	socket	mm	g	pc/box
Part no.				
8052506	6	39	22	20
8052507	7	39	24	20
8052508	8	39	24	20
8052509	9	39	24	20

1/4"DR. Universal 6pt. flank deep socket



8052565	socket	mm	g	pc/box
Part no.				
805256505	5	65	29	20
805256506	6	65	31	20
805256507	7	65	36	20
805256508	8	65	38	20
805256509	9	65	38	20
805256510	10	65	44	20
805256511	11	65	49	20
805256512	12	65	49	20
805256513	13	65	50	20

9pc 1/4"DR. Universal deep socekt set

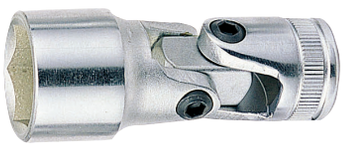
NEW



20919 — 36/14.7/15.7/0.94' — 408g

9pc	5; 6; 7; 8; 9; 10; 11; 12; 13 mm (65 mmL)

3/8"DR. Universal 6pt. flank socket



80535		l		
Part no.	socket	mm	g	pc/box
8053510	10	56	64	10
8053511	11	56	66	10
8053512	12	56	67	10
8053513	13	56	67	10
8053514	14	56	70	10
8053515	15	56	77	10
8053516	16	56	78	10
8053517	17	56	82	10
8053518	18	56	92	10
8053519	19	56	92	10
805353.8	3/8"	56	64	10
805357.16	7/16"	56	66	10
805351.2	1/2"	56	67	10
805359.16	9/16"	56	67	10
805355.8	5/8"	56	78	10
8053511.16	11/16"	56	82	10
805353.4	3/4"	56	92	10

3/8"DR. Universal 6pt. flank deep socket



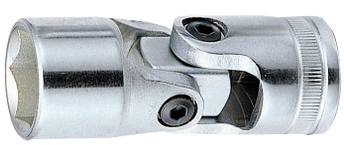
8053585		l		
Part no.	socket	mm	g	pc/box
805358510	10	85	82	10
805358511	11	85	86	10
805358512	12	85	92	10
805358513	13	85	92	10
805358514	14	85	104	10
805358515	15	85	108	10
805358516	16	85	112	10
805358517	17	85	121	10
805358518	18	85	136	10
805358519	19	85	136	10
80535853.8	3/8"	85	82	10
80535857.16	7/16"	85	86	10
80535851.2	1/2"	85	92	10
80535859.16	9/16"	85	92	10
80535855.8	5/8"	85	112	10
805358511.16	11/16"	85	121	10
80535853.4	3/4"	85	136	10

3/8"DR. Universal star socket



80536		l		
Part no.	socket	mm	g	pc/box
8053606	E6	54	52	10
8053607	E7	54	52	10
8053608	E8	54	56	10
8053610	E10	54	56	10
8053611	E11	54	60	10
8053612	E12	54	60	10
8053614	E14	54	62	10
8053616	E16	54	62	10

1/2"DR. Universal 6pt. flank socket



80545		l		
Part no.	socket	mm	g	pc/box
8054513	13	67	131	10
8054514	14	67	136	10
8054515	15	67	136	10
8054516	16	67	137	10
8054517	17	67	137	10
8054518	18	67	144	10
8054519	19	67	151	10
8054520	20	67	151	10
8054521	21	67	151	10
8054522	22	67	155	10
8054524	24	67	168	10
805451.2	1/2"	67	130	10
805459.16	9/16"	67	135	10
805455.8	5/8"	67	136	10
8054511.16	11/16"	67	137	10
805453.4	3/4"	67	151	10
8054513.16	13/16"	67	151	10
805457.8	7/8"	67	153	10
8054515.16	15/16"	67	167	10

1/2"DR. Universal 6pt. flank deep socket



80545108		l		
Part no.	socket	mm	g	pc/box
8054510813	13	108	172	10
8054510814	14	108	179	10
8054510815	15	108	186	10
8054510817	17	108	201	10
8054510819	19	108	222	10
8054510821	21	108	255	10
8054510822	22	108	266	10
8054510824	24	108	283	10
805451081.2	1/2"	108	173	10
805451089.16	9/16"	108	175	10
805451085.8	5/8"	108	179	10
8054510811.16	11/16"	108	192	10
805451083.4	3/4"	108	216	10
8054510813.16	13/16"	108	259	10
805451087.8	7/8"	108	266	10
8054510815.16	15/16"	108	283	10

1/2"DR. Universal star socket



80546		l		
Part no.	socket	mm	g	pc/box
8054608	E8	65	124	10
8054610	E10	65	124	10
8054611	E11	65	125	10
8054612	E12	65	127	10
8054614	E14	65	127	10
8054616	E16	65	133	10
8054618	E18	65	133	10
8054620	E20	65	177	10
8054624	E24	65	177	10

1"DR. Rectangular deep socket



48311021	Size	l		
Part no.	mm	mm	kg	pc/box
48311021	21x28	110	1.44	2

• Special design for railway.

6pc 1/2"DR. Star extra-long deep socket set



40616 10/17.3/18.3/1.2' 1732g

6pc E10; E12; E14; E16; E18; E20 (150 mmL)

1/4"DR. Mixture adjuster



601235 200/5.6/6.6/1.3' 28g

- 1/4" Driver tamperproof mixture adjuster (Double D) for use on Asian and Mikuni carburetors found on Toyota and Mitsubishi cars (35 mmL).

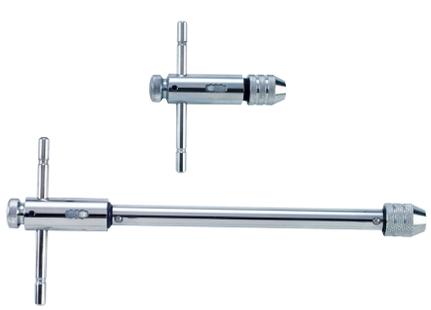
1/4"DR. Mixture adjuster



601250 200/5.6/6.6/1.3' 28g

- 1/4" Driver tamperproof mixture adjuster (fish tail) for use on Nikki and Hitachi carburetors found on Nissan and Subaru cars (50 mmL).

T tap wrench (ratchet type)



881	Tap range	*l*	
Part no.	size	mm	g
8812090	1/8" - 1/4" (3-6 mm)	90	190
8812250	1/8" - 1/4" (3-6 mm)	250	280
8814110	1/4" - 1/2" (6-12 mm)	110	320
8814300	1/4" - 1/2" (6-12 mm)	300	460

6pc Star wrench set



5062 — 30/16.5/17.5/1.4' — 566g

6pc	E6xE8; E7xE11; E10xE12; E14xE18; E16xE22; E20xE24

6pc Extra-long flat ring wrench set



50622 — 12/26.3/27.3/0.99' — 1980g

6pc	10x12; 12x14; 13x15; 14x17; 16x18; 17x19 mm

6pc Extra-long flat ring wrench set



50622A — 12/28.8/29.8/1.1' — 2360g

6pc	8x10; 12x14; 13x15; 16x18; 17x19; 22x24 mm

6pc Extra-long flat ratchet ring wrench set



50623 — 12/20.7/21.7/1.2' — 1742g

6pc	10x12; 12x14; 13x15; 14x17; 16x18; 17x19 mm

6pc S-form ring wrench set



50634 — 10/11.0/12.0/1.1' — 1100g

6pc	10x12; 11x13; 14x15; 16x18;17x19; 22x24 mm

6pc Flare nut wrench set



5066 — 30/20/21/1.3' — 684g

6pc	8x10; 10x11; 10x12; 11x13; 12x14; 17x19 mm

6pc Flare nut wrench set (SAE)



5066S — 30/23.8/24.8/1.5' — 766g

6pc	5/16" x 3/8"; 3/8" x 7/16"; 7/16" x 1/2"; 1/2" x 9/16"; 5/8" x 3/4"; 11/16" x 3/4"

Ratchet flare nut wrench





751...A

Part no.	Size mm	l mm	g	pc/box
75108A	8	137	84	10
75110A	10	137	85	10
75111A	11	138	88	10
75112A	12	138	82	10
75113A	13	140	91	10
75114A	14	140	86	10
75117A	17	186	146	10
75119A	19	189	157	10
75122A	22	232	294	10

9pc Ratchet flare nut wrench set



T50918 — 6/7.8/8.8/0.65' — 1400g

9pc	8; 10; 11; 12; 13; 14; 17; 19; 22 mm

Adjustable spanner wrench



9U0701 48/16.1/17.1/1.1' 335g

- This tool is ideal for adjusting pillow block bearings.
- Also works well on international model “M” water pump or power takeoff on all.
- Adjustable from 1/2" to 2-3/4".



Extra-long spline key M8



76808XL	○	l		
Part no.	Tip	mm	packing	g
76808XL	M8	258	200/24/25/0.96'	115

- For use in hard-to-access areas.

Flexible extension tube

NEW



804...F	Size	l	
Part no.	DR.	mm	g
8043200F	3/8"	200	260
8044200F	1/2"	200	272



- Helps access to hard-to-reach corners.
- Delivers high torsion

18" Flexible extension

8111L	Size	l		
Part no.	DR.	mm-inch	packing	g
8111L	1/4"	450-18"	100/16.8/17.8/0.9'	168

Flexible hex socket driver



648		l	L		
Part no.	size	blade	over	g	pc/ctn
648055	5.5	160	270	190	60
64806	6	160	270	192	60
64807	7	160	270	196	60
64808	8	160	270	198	60
6481.4	1/4"	160	270	192	60
6485.16	5/16"	160	270	198	60

Flexible hex socket driver



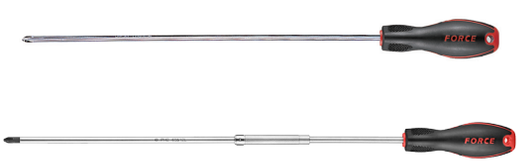
6480607		l	L		
Part no.	size	blade	over	g	pc/ctn
6480607	6x7	160	275	220	60

Flexible hex socket driver



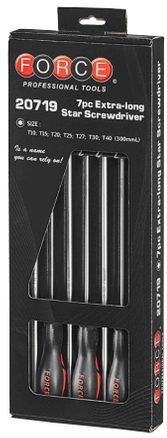
648...L		l	L		
Part no.	size	blade	over	g	pc/box
648055L	5.5	500	630	275	10
64806L	6	500	630	275	10
64807L	7	500	630	275	10
64808L	8	500	630	275	10

Adjustment screwdriver



655			l	L		
Part no.	Tip	size	blade	over	g	pc/box
65511		PH.1	350	450	75	10
65512		PH.2	350	450	75	10
65512L		PH.2	400	515	215	10
65522L		PZ.2	400	515	215	10
655304		4	300	400	65	10
655305		5	300	400	65	10
655306		6	300	400	65	10
655308		8	300	400	70	5
6553065L		6.5	400	515	215	10

7pc Extra-long star screwdriver set



20719 — 10/10.3/11.3/1.3' — 1030g

7pc	T10; T15; T20; T25; T27; T30; T40 (300 mmL)

Spline screwdriver M4



71817004A				
Part no.	Tip	blade	g	pc/box
71817004A	M4	80	35	10

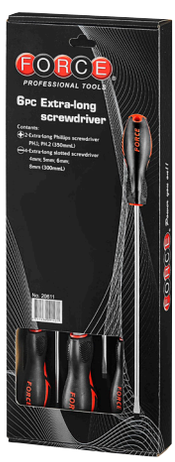
- For removing & fitting the internal covering of tail lamps and dashboards as fitted to the Golf IV & new Audi / VW models.
- For door handle VW Passat and Golf IV.

Five-sided star tamperproof screwdriver



71F					
Part no.	Tip	blade	over	g	pc/box
71F10	TS10	150	255	62	10
71F15	TS15	150	255	62	10
71F20	TS20	150	255	62	10
71F25	TS25	150	255	73	10
71F27	TS27	150	270	104	10
71F30	TS30	150	270	104	10
71F40	TS40	150	280	146	10

6pc Extra-long screwdriver set



20611 — 10/11.5/12.5/2.0' — 1150g

2pc	PH.1; PH.2 (350 mmL)
4pc	4; 5; 6; 8 mm (300 mmL)

Magnetic base



891B01

10/13.7/14.7/0.86' 1370g

• Holding power: 80 kgw



Dial gauge



891A01

50/3.3/4.3/1.3' 64g

• Range: 0-8 mm
• Reading: 0.01 mm



Micrometer



5096P9025

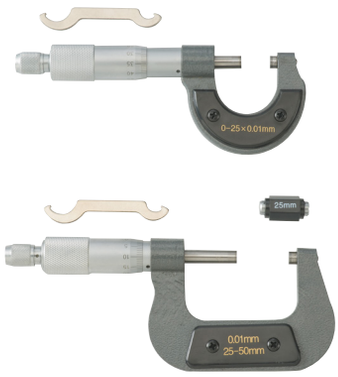


5096P9050~5096P9100

5096P9	Range	
Part no.	mm	packing
5096P9025	0-25	50/15.0/16.0/0.6'
5096P9050	25-50	50/25.0/26.0/0.8'
5096P9075	50-75	30/24.0/25.0/1.2'
5096P9100	75-100	25/20.0/21.0/1.0'

Micrometer

NEW



5096P9...A	Range	
Part no.	mm	packing
5096P9025A	0-25	50/15.0/16.0/0.6'
5096P9050A	25-50	50/25.0/26.0/0.8'
5096P9075A	50-75	30/24.0/25.0/1.2'
5096P9100A	75-100	25/20.0/21.0/1.0'

• Precision: 0.01 mm, reading: 0.001 mm

Auto-rewinder air hose reel



9U0201 3/20.0/21.0/3.0' 6500g

• Size: 330 x 150 x 410 mm
• Inlet / Outlet: 1/4"
• Maximum pressure: 300 PSI
• Hose length: 15 m
• Hose I.D.: 5/16"

Auto-rewinder air hose reel



9U0201A 3/19.0/20.0/3.0' 6335g

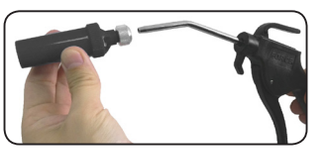
• Size: 330 x 150 x 410 mm
• Inlet / outlet: 1/4"
• Maximum pressure: 300 PSI
• Hose length: 12 m
• Hose I.D.: 3/8"

High-volume air nozzle (slide type)



9U0221 120/3.96/4.96/1.8' 33g

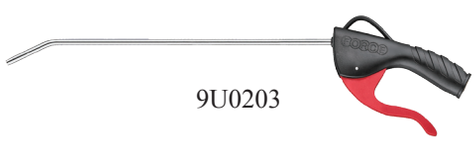
- Equip the nozzle on pipes, in spiral direction, and tighten the bolt and the nozzle onto pipes.
- High-volume air nozzle produces an air volume that triples that of a regular blow gun.
- Inner O-ring attachment design protects the pipes of air blow guns.
- Applicable for any air blow guns with Ø6 mm or Ø8 mm pipes.



Air blow gun



9U0202



9U0203

9U0202 60/10.0/11.0/1.6' 167g
9U0203 50/12.0/13.5/2.9' 240g

- It is suitable for removing and cleaning any kind of chip.

Specification:
- Length: 4" **(9U0202)** / 13" **(9U0203)**
- Working pressure: 78-120 PSI / 5-8 KGS
- Thread type: 1/4"

Extendable air blow gun



9U0204



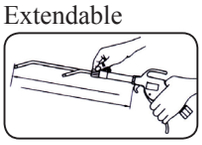
9U0205

9U0204 60/17.0/18.0/2.5' 283g
9U0205 50/13.0/14.0/2.9' 260g

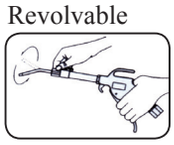
- Special extendable tube and swivel angle can work in any kind of area.

Specification:
- Length: 7" - 12" **(9U0204)** / 13" - 24" **(9U0205)**
- Working pressure: 78-120 PSI / 5-8 KGS
- Thread type: 1/4"

Extendable



Revolvable

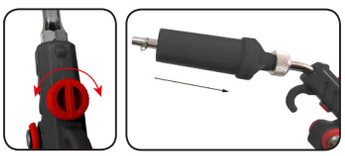


Multi-functional air blow gun



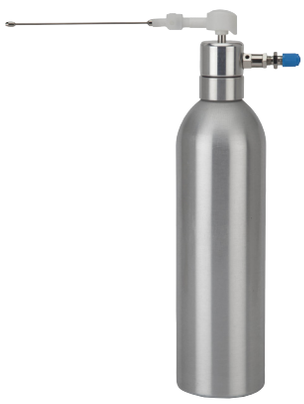
9U0206 80/20.5/22.5/4.7' 256g

- The air nozzle is slidable.
- Air volume regulator:
  Regulating a fixed amount of air volume output.
- Suitable for any industries, such as factories, machine tools, vehicles etc.



Refill pressure sprayer

NEW



9U0207 12/3.5/4.5/1.0' 290g

- Ideal for lubrication, paint, clean dust, antirust, etc.
- Long type nozzle suitable for narrow & difficult space spray.
- Refill pressure with universal adapter for easily to stuff air pressure.
- Build in safety valve pre-setting 90 PSI (6.3 Bar).
- Aluminum canister for long life use.
- Max. Capacity: 650 cc.



Air / Hydraulic pump 1600 c.c.



9U4501 2/15.1/16.1/0.8' 1890g

- Usable oil capacity: 1600 cc
- Rated pressure: 10000 psi

Performance chart											
Pressure (psi)	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
Oil flow (c.c./mon)	1250	913	718	598	513	475	393	315	257	233	193

4pc Stud extractor set



5042 — 20/16.5/17.5/0.82' — 825g

818 06...12	4pc	6; 8; 10; 12 mm

5042S — 20/16.5/17.5/0.82' — 825g

818 1.4...7.16	4pc	1/4"; 5/16"; 3/8"; 7/16"

7pc Stud extractor set



5078 — 12/16.5/16.96/0.62' — 1375g

818 05...14	6pc	5; 6; 7; 8; 10; 12; 14 mm





Stud extractor



818			*l*		
Part no.	Drive	size	mm	g	pc/box
81805	3/8"	5	60	127	10
81806	1/2"	6	60	132	10
81807	1/2"	7	60	130	10
81808	1/2"	8	60	130	10
81810	1/2"	10	68	186	10
81812	1/2"	12	68	184	10
81814		14	68	253	10
8183.16	3/8"	3/16"	60	126	10
8181.4	1/2"	1/4"	60	126	10
8185.16	1/2"	5/16"	60	124	10
8183.8	1/2"	3/8'	68	176	10
8187.16	1/2"	7/16"	68	172	10
8181.2		1/2"	68	196	10

• For remove threaded, broken, rusted, stripped or smooth studs.

Stud extractor



818A 30/16.9/17.9/0.55' 560g

- Socket 1/2"DR. Stud extractor.
- For remove threaded, stripped, rusted, broken and smooth studs.
- Stud range: 6-19 mm (1/4" - 3/4")



Stud extractor



818B		l		
Part no.	DR.	mm	packing	g
818B01	3/8"	55	48/18.0/19.0/1.8'	375
818B02	1/2"	75	48/19.0/20.0/1.8'	395

- For removing threaded, broken, rusted, stripped or smooth studs.
- Stud range: 6-12 mm (1/4" - 1/2")



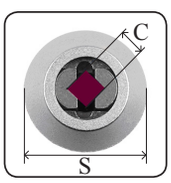
Adjustable tap / extractor holder

NEW



818B		Size (S)	Capacity (C)	
Part no.	DR.	mm	mm	g
818B03	3/8"	34.5	3-8	220
818B05	1/2"	38.5	6-12	265

- Used with reversible ratchet handles or T-handles.
- Chuck mechanism hold compatible tap drills and screw extractors.



6pc 1/2"DR. Twist socket set



906U2 20/19.8/20.8/1.4' 990g

• Remove damaged bolts or rounded fasteners.

Contents:
5pc 1/2"DR. Twist socket (50 mmL)
17; 19; 21; 23; 27 mm
1pc 12 mm Straight rod



12pc 3/8" & 1/2"DR. Twist socket set



912U3 20/15.5/16.5/0.9' 775g

• Remove damaged bolts or rounded fasteners.

Contents:
4pc 3/8"DR. Twist socket
8; 10; 12; 13 mm
6pc 1/2"DR. Twist socket
14; 15; 16; 17; 19; 21 mm
2pc Straight rod

10pc 3/8"DR. Twist socket set



910U2 20/13.5/14.5/0.9' 675g

• Remove damaged bolts or rounded fasteners.

Contents:
9pc 3/8"DR. Twist socket
10; 11; 12; 13; 14; 15; 16 (5/8"); 17; 19 (3/4")
1pc 8 mm Straight rod

1/2"DR. Twist socket

NEW





9US4		l	
Part no.	size	mm	g
9US418	18	38	98
9US420	20	38	102
9US422	22	38	110
9US424	24	38	112
9US428	28	40	130
9US430	30	44	186
9US432	32	44	276
9US433	33	44	266
9US434	34	44	276
9US436	36	44	278

• Remove damaged bolts or rounded fasteners.

12pc Damaged-nut/bolt extractor set

NEW





912U8

100/9.4/11.3/1.69' 65g

• The kit is made up of 12pcs cleverly-designed hexagon bolt and nut extractor adapter caps.
• The caps fit over the rounded-off fixing and make a standard 12 point socket or ring wrench applicable to remove the rounded-off hexagon fitting.
• Size: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.

Bolts & rounded fasteners extractor set





920U3

10/14.4/15.4/1.2' 1440g

• Remove damaged bolts, screws, nuts or rounded fasteners.

Contents:

1pc 3/8"DR. Quick-grip wrench 8-19 mm (5/16" - 3/4")
5pc Screw extractor (63005B)
1/8" (M3) to 1/4" (M6);
1/4" (M6) to 5/16" (M8);
5/16" (M8) to 7/16" (M11);
7/16" (M11) to 9/16" (M14);
9/16" (M14) to 3/4" (M18)
10pc 3/8"DR. Twist socket
8; 10; 11; 12; 13; 14; 15; 16; 17; 19 mm
1pc L type rod 6 mm
1pc Adaptor for 3/8" extension 3/8"(F) x 3/8"(M)
1pc 3/8"DR Extension 6" (150 mm)
1pc 3/8"DR Wobble extension 1.75" (44 mm)

26pc 3/8" Manual impact driver & twist socket set

NEW



3263

12/20.3/21.3/2.2' 1694g

- Instant impact force loosens rusted or frozen fasteners without damaging them.
- This tool set can also be used for tightening bolts or nuts firmly after being reversed in direction.
- Clockwise and counterclockwise drive direction

Contents :

1pc 3/8"DR. Manual impact driver (8173)
9pc 3/8"DR. Twist socket:
10, 11, 12, 13, 14, 15, 16, 17, 19 mm
1pc 8mm Straight rod
1pc Bit holder 3/8"DR. x 5/16"(F)
14pc 5/16" Bit
Phillips PH.2, PH.3 (36mmL)
Pozidriv PZ.2, PZ.3 (36mmL)
Slotted 9, 11 mm (36mmL)
Hex 6, 8, 10 mm (36mmL)
Star T25, T30, T40, T45, T50 (35mmL)

10pc Combination extractor and drill set



910U1

48/16.0/17.0/2.2' 333g

- Contents five spiral extractors #1 through #5 and five mechanic's length hess drill, removes bolts and screws up to 5/8".
- Left hand extractors with right hand drills.

Contents:

5pc Hess drill size
5/64", 7/64", 5/32", 1/4", 19/64"
5pc Screw extractor size
5/64", 7/64", 5/32", 1/4", 19/64"

25pc Screw extractor / drill & guide set

NEW



925U2 24/17/18/1' 696g

- Fluted type extractors that provide a solid grip on broken studs and screws.
- These screw extractors do not expand the screw while turning and their special design ensures a positive grip when driven into the drilled out hole.
- Drill size is stamped on each extractor for ease of identification.
- Range: 1/4" to 5/8" (6 to 16 mm)





5pc Straight flute screw extractor set



905U1 100/17.5/18.5/1.0' 175g

- Made of chrome molybdenum
- Heat treated
- Quick & easy way to remove broken screws, pipes, bolts & studs

Contents:

5pc Screw extractor

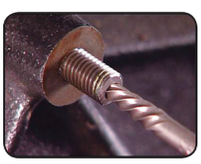
3/16" (M5) to 5/16" (M8)
5/16" (M8) to 3/8" (M10)
3/8" (M10) to 7/16" (M12)
7/16" (M12) to 9/16" (M14)
9/16" (M14) to 5/8" (M16)

5pc Screw extractor set



63005 100/15.3/16.3/1.6' 153g

9UXAM06	1pc	1/8" (M3) to 1/4" (M6)
9UXAM08	1pc	1/4" (M6) to 5/16" (M8)
9UXAM11	1pc	5/16" (M8) to 7/16" (M11)
9UXAM14	1pc	7/16" (M11) to 9/16" (M14)
9UXAM18	1pc	9/16" (M14) to 3/4" (M18)

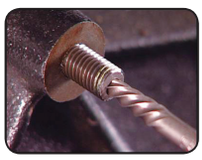


5pc Screw extractor set



63005B 100/15.3/16.3/1.6' 153g

9UXBM06	1pc	1/8" (M3) to 1/4" (M6)
9UXBM08	1pc	1/4" (M6) to 5/16" (M8)
9UXBM11	1pc	5/16" (M8) to 7/16" (M11)
9UXBM14	1pc	7/16" (M11) to 9/16" (M14)
9UXBM18	1pc	9/16" (M14) to 3/4" (M18)



8pc Screw extractor set



63006 24/18.3/19.3/0.7' 744g

9UXAM06	1pc	1/8" (M3) to 1/4" (M6)
9UXAM08	1pc	1/4" (M6) to 5/16" (M8)
9UXAM11	1pc	5/16" (M8) to 7/16" (M11)
9UXAM14	1pc	7/16" (M11) to 9/16" (M14)
9UXAM18	1pc	9/16" (M14) to 3/4" (M18)
9UXAM25	1pc	3/4" (M18) to 1" (M25)
9UXAM28	1pc	1" (M25) to 1-3/8" (M35)
9UXAM32	1pc	1-3/8" (M35) to 2" (M50)

8pc Screw extractor set

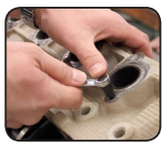


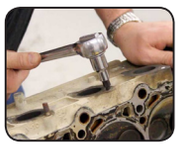
63006B 24/21.5/22.5/0.7' 744g

9UXBM06	1pc	1/8" (M3) to 1/4" (M6)
9UXBM08	1pc	1/4" (M6) to 5/16" (M8)
9UXBM11	1pc	5/16" (M8) to 7/16" (M11)
9UXBM14	1pc	7/16" (M11) to 9/16" (M14)
9UXBM18	1pc	9/16" (M14) to 3/4" (M18)
9UXBM25	1pc	3/4" (M18) to 1" (M25)
9UXBM28	1pc	1" (M25) to 1-3/8" (M35)
9UXBM32	1pc	1-3/8" (M35) to 2" (M50)

8pc Torx plus extractor set







908U2

20/10.0/11.0/0.6' 373g

- Special design of torx plus head, twist body with teeth and tap shape.
- High efficiency to remove damaged objects as below:
  1). Hex inside (not stripped)
  2). Stripped hex inside
  3). Round inside
  4). Stripped round inside
  5). Torx / torx plus / torx security inside
  6). Stripped torx / torx plus / torx security inside 7

Contents: (Application size)

8pc Torx plus extractor
3 mm (3.4 - 4.6 mm), 4 mm (4.3 - 5.9 mm),
5 mm (5.3 - 7.0 mm), 6 mm (6.3 - 8.1 mm),
7 mm (7.4 - 9.2 mm), 8 mm (8.4 - 10.4 mm),
10 mm (10.4 - 12.6 mm), 12 mm (12.4 - 14.0 mm)

9pc Torx plus extractor set



909U1

50/10.0/11.0/0.75' 183g

- Special design of torx plus head, twist body with teeth and tap shape.
- High efficiency to remove damaged objects as below:
  1). Hex inside (not stripped)
  2). Stripped hex inside
  3). Round inside
  4). Stripped round inside
  5). Torx / torx plus / torx security inside
  6). Stripped torx / torx plus / torx security inside 7

Contents: (Application size)

8pc Torx plus extractor
T6 (1.5 - 2.7 mm), T7 (1.7 - 2.9 mm),
T8 (2.0 - 3.4 mm), T9 (2.2 - 3.7 mm),
T10 (2.6 - 4.0 mm), T15 (3.4 - 4.8 mm),
T20 (3.6 - 5.0 mm), T25 (4.2 - 5.8 mm)
1pc Torx plus head

130pc Threaded coil-insert repair kit



9130U1 8/19.5/20.5/1.2' 2437g

Contents:

110pc Screw-coil, material: Stainless Steel SUS304.
each 25pc M5-0.8x1.5D, M6-1.0x1.5D,
M8-1.25 x 1.5D, M10-1.5x1.5D,
10pc M12-1.75x1.5D.
5pc Tap, material: HSS.
M5-0.8, M6-1.0, M8-1.25, M10-1.5, M12-1.75.
5pc Tang puncher, material: Carbon Steel.
M5-0.8, M6-1.0, M8-1.25, M10-1.5, M12-1.75.
5pc Drill, material: HSS.
5.2, 6.3, 8.3, 10.4, 12.4 mm.
5pc Main tool, material: Steel.
M5-0.8, M6-1.0, M8-1.25, M10-1.5, M12-1.75.

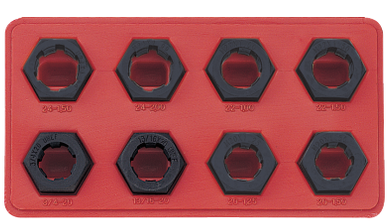
Threaded coil-insert repair kit



929 / 924 / 912 / 910

Part no.	size	pc	packing	g
929U1	M5 x 0.8	29	30/8.2/9.2/1.7'	275
929U2	M6 x 1.0	29	30/9.2/10.2/1.7'	310
929U3	M8 x 1.25	29	30/11.6/12.6/1.7'	390
924U2	M10 x 1.0	24	30/13.8/14.8/1.7'	460
924U3	M10 x 1.25	24	30/13.8/14.8/1.7'	460
924U5	M10 x 1.5	24	30/13.8/14.8/1.7'	460
912U5	M12 x 1.25	12	30/16.5/17.5/1.7'	550
912U6	M12 x 1.5	12	30/16.5/17.5/1.7'	550
912U7	M12 x 1.75	12	30/16.5/17.5/1.7'	550
910U5	M14 x 1.25	10	30/18.6/19.6/1.7'	620
910U6	M14 x 1.5	10	30/18.6/19.6/1.7'	620

8pc Axle spindle rethreading set

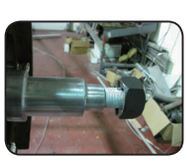


67001 20/12.0/13.0/0.6' 600g

- This set is used to clean or repair axle threads on spindles.
- Use with 1-1/4" socket or wrench.

Contents:

8pc Axle spindle rethreading
M24 x 1.50, M24 x 2.00, M22 x 1.00, M22 x 1.50,
M20 x 1.50, M20 x 1.25, 3/4" x 20 UNEF, 13/16" x 20 UNEF



20pc Master spindle rethreading set



920U1 6/11.3/12.3/1.2' 1883g

- This 20-piece set will repair or renew damaged threads on stub axles / spindles on most vehicles. Dies are made of high tempered steel for strength and durability. All dies have the same 1-1/4" (32 mm) hex size. Stored in high impact blow mold case.

Contents:

7pc Imperial sizes:
11/16" x 24, 3/4" x 16, 3/4" x 20, 13/16" x 20, 27/32" x 20, 7/8" x 14, 1" x 14

13pc Metric sizes:
16 x 1.0, 16 x 1.5, 18 x 1.5, 19 x 1.5, 20 x 1.0, 20 x 1.25, 20 x 1.5, 22 x 1.0, 22 x 1.5, 24 x 1.5, 24 x 2.0, 25 x 1.5, 27 x 2.0

15pc Metric rethreader set



915U1 10/6.2/7.2/0.57' 620g

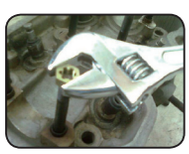
- Seven metric rethreader dies, seven metric rethreader taps, one metric thread file.

Contents:

7pc Rethreader die sizes:
6 x 1.00, 8 x 1.25, 10 x 1.25, 10 x 1.50, 12 x 1.25, 12 x 1.5, 12 x 1.75 mm

7pc Rethreader tap sizes:
6 x 1.00, 8 x 1.25, 10 x 1.25, 10 x 1.50, 12 x 1.25, 12 x 1.5, 12 x 1.75 mm

1pc Metric thread file





43pc UNF, UNC & Metric rethreader set



943U1

6/11.0/12.0/0.7' 1833g

Contents:

21pc Rethreader die sizes:
- 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", UNC
- 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", UNF
- M6 x P1.00, M8 x P1.25, M10 x P1.25, M10 x P1.50, M12 x P1.25, M12 x P1.5, M12 x P1.75 mm

19pc Rethreader tap sizes:
- 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", UNC
- 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", UNF
- M6 x P1.00, M8 x P1.25, M10 x P1.25, M10 x P1.50, M12 x P1.25, M12 x P1.5, M12 x P1.75 mm

2pc UNC and UNF thread file
- Description pitch sizes:
- SAE file: 11, 12, 13, 14, 16, 18, 20, 24
- SAE file: 9, 10, 12, 16, 20, 27, 28, 32

1pc Metric thread file
- Description pitch sizes:
- 0.75, 1.00, 1.25, 1.75, 2.00, 2.50, 3.0 mm

External thread restorer files



66901/66902/66903

72/15.0/16.0/1.2' 208g

- Rostore tool for renewing damaged thread on any diameter bolt, stud, axle of shaft file, both right and left threads.

66901

Description pitch sizes:
Metric file: 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00

66902

Description pitch sizes:
SAE file: 11, 12, 13, 14, 16, 18, 20, 24

66903

Description pitch sizes:
SAE file: 9, 10, 12, 16, 20, 27, 28, 32



External & internal restorer file







9U1101 / 9U1102

120/19.7/20.7/1.7' 164g

- Restorer tool for renewing damaged thread on bolt, stud, axle or shaft of any diameter. File both right and left hand threads.
- Designed for use in hidden & narrow area.

9U1101

Description pitch sizes:
Metric file: 0.80-1.00-1.25-1.50-1.75-2.00-2.50-3.00

9U1102

Description pitch sizes:
SAE file: 24-20-18-16-14-12-11-10

4pc Nut splitter set



672

12/19/20/0.84' 1540g

6720912	1pc	5/16" to 1/2"	(9-12 mm)
6721216	1pc	1/2" to 5/8"	(12-16 mm)
6721622	1pc	5/8" to 7/8"	(16-22 mm)
6722227	1pc	7/8" to 1-1/8"	(22-27 mm)





Universal nut cracker





9U1001

24/15.5/16.5/1.0' 645g

- Splits most stubborn nuts 7/16" (11 mm) through 3/4" (19 mm) across the flats.
- Works in channels not accessible by other tools.
- Parallel action of pusher cracks nuts without damaging bolt threads. Chisel rotates 360° to line up parallel to bolt. Simply tighten the screw until the nut splits.
- With a rugged drop-forged frame.
- Do not use on heat-treated nuts.
- Length: 6-3/4" serviceable product.

Recoilless hammer (head-replaceable)



616A	l		
Part no.	mm	packing	g
616A025	25	51/25.0/27.0/1.18'	389
616A030	30	48/22.0/24.0/1.18'	435
616A035	35	48/28.0/30.0/1.48'	505
616A040	40	24/20.8/21.8/1.00'	606
616A045	45	24/24.0/26.0/1.18'	865
616A050	50	24/27.0/29.0/1.48'	952
616A060	60	18/31.7/32.7/1.52'	1690

- Steel handle with positive plastic grip.
- PU-material strike faces.
- Both strike faces can be repeatedly changed if broken.

Soft face hammer



616A400 48/19.2/20.2/1.62' 400g

- Hammer head: 1 yellow PU+1 white Nylon
- Handle: natural color hickory

Soft face hammer



616A700 24/16.9/17.9/0.91' 700g

- Hammer head: black TPR & transparent yellow acetate head
- Handle: 1.4 mm harden tubular steel handle, PVC ring & A type PVC grip

Sledge hammers



616G	Head weight	Total length	
Part no.	g	mm	packing
616G1250	1250	260	16/22.6/23.6/0.68'
616G1500	1500	280	12/21.6/22.4/0.59'

Brass taper punch 3/8", 5/8" hex



606B200 60/19.8/20.8/0.2' 326g

• Length: 8" (200 mm)

5pc Chisel set



50510 30/26.6/27.6/0.5' 887g

1pc	60210150	Chisel 10 (150 mmL)
1pc	60212150	Chisel 12 (150 mmL)
1pc	60215180	Chisel 15 (180 mmL)
1pc	60219200	Chisel 19 (200 mmL)
1pc	60222200	Chisel 22 (200 mmL)

6pc Pin punch set



50613 30/16.7/17.7/1.3' 540g

1pc	6042140	Pin punch 2 (140 mmL)
1pc	6043150	Pin punch 3 (150 mmL)
1pc	6044190	Pin punch 4 (190 mmL)
1pc	6045200	Pin punch 5 (200 mmL)
1pc	6046210	Pin punch 6 (210 mmL)
1pc	6048215	Pin punch 8 (215 mmL)



Ribbed (Cold) chisel



602...C	Size	l		
Part no.	mm	mm	g	pc/box
60218125C	18	125	90	10
60221150C	21	150	155	10
60226200C	26	200	320	10
60229250C	29	250	470	10
60234300C	34	300	750	5

Ribbed (Cold) chisel with sheath handle



602...Q	Size	l		
Part no.	mm	mm	g	pc/box
60229250Q	29	250	540	10
60234300Q	34	300	820	5

3/4" Manual impact driver

NEW



8176 20/23/24/0.44' 1150g

- Instant impact force loosens rusted or frozen fasteners without damaging them.
- This also can be used for tightening bolts or nuts firmly while being reversible in direction.
- Clockwise and counterclockwise drive direction.



3/8" Manual impact driver

NEW



8173 30/9/10/0.62' 302g

- Forward and reverse drive direction.
- Instant impact force loosens rusted or frozen screws without damaging them.
- Comfortable handle for anti-vibration.
- Length: 145 mmL

13pc Tungsten carbide tipped metal borer set

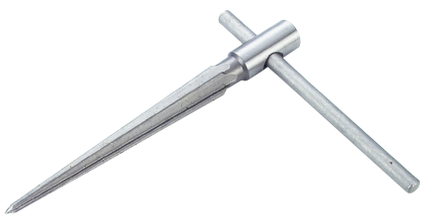


913U1 / 913U2 10/15.7/16.7/1.4' 1570g

- Use the same arbor for saw heads of different sizes.
- Change saw heads with a simple push and turn the fixed screw.
- H.S.S. center drill is replaceable.
- Shank size of the arbor is 3/8".
- Spring can help slug removal.

Contents:
1pc Arbor
1pc Spring
2pc H.S.S center pilot drill 75, 84 mm
2pc Hex key 3, 4 mm
7pc Saw head 19, 22, 25, 28, 30, 32, 35 mm **(913U1)**
7pc Saw head 30, 32, 35, 38, 40, 45, 51 mm **(913U2)**

Tapered reamer



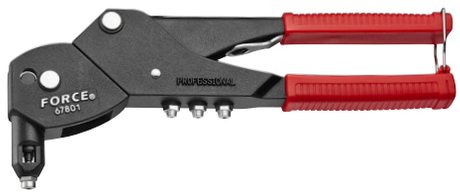
9U0901 240/16.8/17.8/1.4' 70g
9U0902 48/16.6/17.6/1.3' 345g

- Ream, deburr, align, and enlarge holes. T-handle makes turning easy.
- Reamer is made of high-grade heat-treated tool steel for long life.
- To avoid damage tool, it must always be turned clockwise. The use of cutting oil is recommended.

9U0901 Capacity: 1/8" to 3/8" (3 mm to 10 mm)
9U0902 Capacity: 5/32" to 17/32" (4 mm to 31 mm)

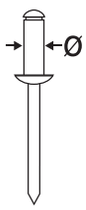


Rivet pliers



67801	l		
Part no.	mm	packing	g
67801	180	20/15.7/16.7/2.1'	785

• Riveting capacity



Rivet material / Rivet diameter	Aluminum
Ø2.4mm or Ø3/32"	▲
Ø3.0/3.2mm or Ø1/8"	▲
Ø4.0mm or Ø5/32"	▲
Ø4.8/5.0mm or Ø3/16"	▲

Grade nut fastener



67802	l		
Part no.	mm	packing	g
67802	280	20/12.6/13.6/1.5'	630

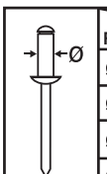
• M6 nozzle included (67802-M6)
• M3, M4, M5 are optional:
(5861-M3, 5861-M4, 5861-M5)

Hand riveter



678260 30/17.3/18.3/1.5' 556g

• Rivet size:
Ø2.4 mm (Ø3/32"); Ø3.0, 3.2 mm (Ø1/8");
Ø4.0 mm (Ø5/32"); Ø4.8, 5.0 mm (Ø3/16")
• High-grade heavy-duty steel plate upper handle with advanced heat treatment, high-strength aluminum body, high-grade steel alloy key parts (jaws, jaw case, fulcrum pin, etc) with advanced heat treatment, PAHs-Free (non-toxic to hand skin) plastic hand grips.
• Riveting capacity



Rivet material / Rivet diameter	Aluminum	Steel	Stainless Steel/Inox
Ø2.4mm or Ø3/32"	▲	■	●
Ø3.0/3.2mm or Ø1/8"	▲	■	●
Ø4.0mm or Ø5/32"	▲	■	●
Ø4.8/5.0mm or Ø3/16"	▲	■	

Heavy-duty 2-handled lever type riveter



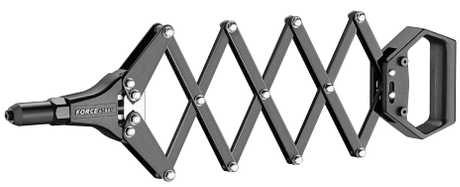
678535 10/17.5/18.5/1.6' 1890g

- Cap: Ø3.0 mm - Ø6.4 mm
- Blind rivets: Ø1/8" - Ø1/4"
- Riveting capacity



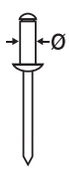
Rivet material / Rivet diameter	Aluminum	Steel	Stainless Steel/Inox
Ø3.0/3.2mm or Ø1/8"	▲	■	●
Ø4.0 mm or Ø5/32"	▲	■	●
Ø4.8 / 5.0mm or Ø3/16"	▲	■	●
Ø6.0mm	▲	■	●
Ø6.4mm or Ø1/4"	▲	■	●

Heavy-duty lazy tong type riveter



678810 10/19.5/20.5/1.4' 1845g

- Cap: Ø3.0 mm - Ø6.4 mm
- Blind rivets: Ø1/8" - Ø1/4"
- Riveting capacity



Rivet material / Rivet diameter	Aluminum	Steel	Stainless Steel/Inox
Ø3.0/3.2mm or Ø1/8"	▲	■	●
Ø4.0 mm or Ø5/32"	▲	■	●
Ø4.8 / 5.0mm or Ø3/16"	▲	■	●
Ø6.0mm	▲		
Ø6.4mm or Ø1/4"	▲		

Hand nut riveter (M3-M8)



678N260 30/17.3/18.3/1.5' 640g

- With 5 short type threaded mandrels M3 - M8.
- With 4 nosepieces M3 - M6 (M8 does not need nosepiece).
- Forged steel upper handle with advanced heat treatment, high strength aluminum body with steel insert design.
- Stroke adjuster design.
- Riveting capacity



Rivet nut material / Rivet nut thread size	Aluminum	Steel	Stainless Steel/Inox
M3x0.5 or 6-32 Rivet Nut	▲	■	●
M4x0.7 or 8-32 Rivet Nut	▲	■	●
M5x0.8 or 10-24, 10-32 Rivet Nut	▲	■	●
M6x1.0 or 1/4-20 Rivet Nut	▲	■	
M8x1.25 or 5/16-18 Rivet Nut	▲		

Heavy-duty hand nut riveter (M4-M10)



678N320

10/17.5/18.5/1.6' 860g

- With 5 short type threaded mandrels M4 - M10 and 5 nosepieces M4 - M10.
- High tension steel short handle with super leverage design, high strength aluminum bodies.
- Special design to solve the headache problem of rivet nut stuck with threaded mandrel.
- Stroke adjuster design with stroke indicator.
- Mandrel length adjustable design.
- Riveting capacity

Thread Size	Rivet nut material / Rivet nut thread size	Aluminum	Steel	Stainless Steel/Inox
	M4x0.7 or 8-32 Rivet Nut	▲	■	●
	M5x0.8 or 10-24, 10-32 Rivet Nut	▲	■	●
	M6x1.0 or 1/4-20 Rivet Nut	▲	■	●
	M8x1.25 or 5/16-18 Rivet Nut	▲	■	
	M10x1.5 or 3/8-16 Rivet Nut	▲		

Professional heavy duty pneumatic rivet gun

NEW

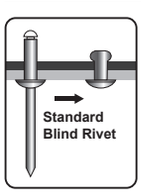


678A01

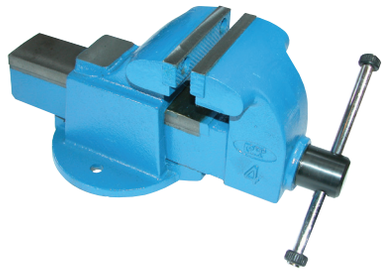
5/14.6/15.6/2.65' 2880g

- Powerful traction force:
  18,200 N (18.2 kN) at 6.2 bar or 4,100 lbf at 90 psi compressed air pressure.
- Long stroke: 18 mm or 0.71"
- Shock-reducer design to minimize tool jumping and hand fatigue.
- Patented rivet-size-hole gauge design to avoid picking blind rivets and working nosepieces of wrong sizes.
- Nosepieces storage design to avoid missing nosepieces.
- Twin air inlet design for right-handed or left-handed users.
- PAHs-free (non-toxic) soft plastic hand grip for safe and comfortable operation.
- Riveting capacity:

Rivet Diameter / Rivet Material	Aluminum	Steel	Stainless Steel/Inox
3.0/3.2 mm or 1/8”	▲	■	●
4.0 mm or 5/32”	▲	■	●
4.8/5.0 mm or 3/16”	▲	■	●
6.0 mm	▲	■	●
6.4 mm or 1/4”	▲	■	●

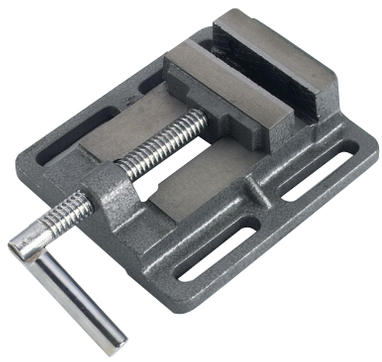


Grey cast iron bench vise (without base)



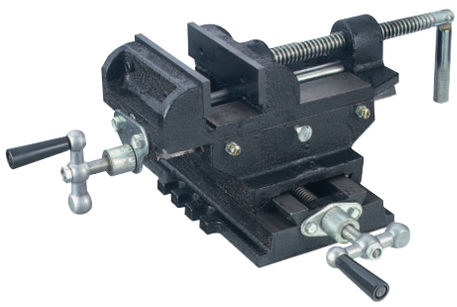
65401	Jaw	Throat	
Part no.	open	depth	packing
6540104	4"	2-5/8"	1/12.2/13.2/0.43'
6540105	5"	3-1/4"	1/13.7/14.7/0.60'
6540106	6"	3-3/4"	1/19.6/20.6/0.82'
6540108	8"	4"	1/26.8/27.8/0.97'

Drilling press vise



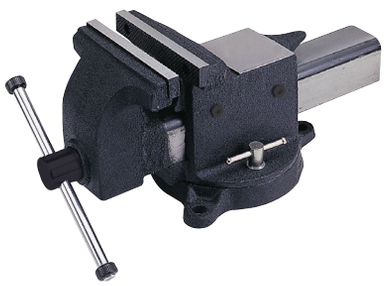
65404	Jaw	Throat	
Part no.	open	depth	packing
6540403	2-3/4"	3/4"	2/4.0/4.2/0.22'
6540404	4"	1"	2/6.5/6.8/0.24'
6540405	5"	1"	2/9.6/10.0/0.43'
6540406	5-1/2"	1"	2/13.6/14.0/0.6'

Cross vise



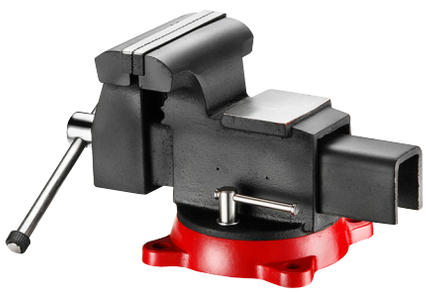
65405	Jaw	
Part no.	open	packing
6540503	3"	1/6.2/7.2/0.31'
6540504	4"	1/10.0/11.0/0.44'
6540505	5"	1/13.5/14.5/0.50'
6540506	6"	1/16.5/17.5/0.65'

Forged steel bench vise



65406	Jaw	Throat	
Part no.	open	depth	packing
6540604	4"	8.4	1/8.4/9.4/0.30'
6540605	5"	12.5	1/11.5/12.5/0.63'
6540606	6"	20.5	1/19.5/20.5/1.02'

Heavy duty bench vise



65402...A	Size		
Part no.	inch	packing	kg
6540204A	4"	1/7.3/8.3/0.36'	7.7
6540205A	5"	1/11.0/12.0/0.48'	11.2
6540206A	6"	1/14.0/15.0/0.57'	14.5
6540208A	8"	1/19.2/20.2/0.91'	19.2
6540210A	10"	1/27.0/29.0/1.40'	25.6



The nut and the base are one-piece forged, instead of being jointed together later by screws.
The strengthened structure ensures the firm and steady joint between the base and the lead screw, and thus the jaws can provide you with powerful and sturdy grip to weighty pieces.

Heavy duty ductile octagonal supporting vise



65407	Size		
Part no.	inch	packing	kg
6540706	6"	1/27.0/28.0/0.85'	28.0
6540708	8"	1/41.0/42.0/1.43'	40.5



The nut fits completely into the jaw. The nut which is not movable mates and works precisely with the lead screw.

Heavy duty ductile square supporting vise



65408	Size		
Part no.	inch	packing	kg
6540804	4"	1/15.0/16.0/0.50'	15.0
6540805	5"	1/17.0/18.0/0.53'	17.0
6540806	6"	1/18.6/19.6/0.60'	18.6



The nut fits completely into the jaw. The nut which is not movable mates and works precisely with the lead screw.

Scriber of wolfram steel



87901	*l*	
Part no.	mm	g
87901	145	20

• Include one tungsten lead and one carbon lead.

Electrician folding knife

NEW



68021 100/8.4/9.4/1.8' 64g

• Length: unfolded 210 mm / folded 122 mm

Ultra-slender utility knife

NEW



5055P403

100/15.2/16.2/1.42' 134g

- Retractable blade can be adjusted to 3 positions, will not slip.
- With double point blades.
- For cutting thin plywood, carton, leather, rubber, carpet, etc.
- Spare blade available, item number: 5055P401-P



Straight shears



5055P1	Cutting length	*l*		
Part no.	mm	mm-inch	packing	g
5055P1	51	254-10"	36/17.0/18.0/1.3'	480
5055P112	70	305-12"	24/21.0/23.0/1.2'	650

Aviation tin snips



Straight cut



Left cut



Right cut

698		Cutting length	*l*	
Part no.	Direction	mm	mm	g
6981250	Straight cut	38	250	400
698L248	Left cut	35	248	400
698R248	Right cut	35	248	400

Hose cutter

NEW



6930240 50/6.3/7.3/1' 100g

- Length: 240 mm
- Size: 6-58 mm O.D.

Stainless steel pvc pipe cutter



65607 30/16.2/17.2/2.2' 540g

- For 40mm O.D. PVC pipe
- Part: Cutting wheel **(65607-B)**
- Weight: 490 g
- Length: 225 mm





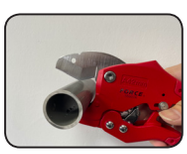
Alloy steel pvc pipe cutter (V-blade)

NEW



65607A 50/22/23/2.3' 373g

- Kit for 42mm O.D. PVC pipe.
- Less effort.
- Quick release open steel blade.
- Locking catch.





Locking pliers (straight jaw)



614A	l		
Part no.	mm-inch	packing	g
614A175	175-7"	40/16.4/17.4/0.96'	380
614A250	250-10"	40/23.2/24.2/1.00'	580

Locking pliers (V-jaw)



614B225	l		
Part no.	mm-inch	packing	g
614B225	225-9"	40/23.0/24.0/1.0'	575

Locking pliers



614	l		
Part no.	mm-inch	packing	g
614125	125-5"	40/7.6/8.6/0.70'	190
614175	175-7"	40/14.8/15.8/0.96'	370
614250	250-10"	40/22.0/23.0/1.1'	550

Long nose locking pliers



615	l		
Part no.	mm-inch	packing	g
615150	150-6"	50/10.3/11.3/1.1'	220
615225	225-9"	50/19.5/20.5/1.2'	390

Adjustable locking pliers



65202	l		
Part no.	mm-inch	packing	g
65202	215-9"	50/20.0/21.0/1.3'	400

- Jaw opening: 3-46 mm
- For clamping plumbing and worn screws.
- Can be adjusted for clamping small to large screws.
- Smooth and fast screw clamping and releasing.
- Materials: Jaw Cr-Mo; Body: Cr-Mo.





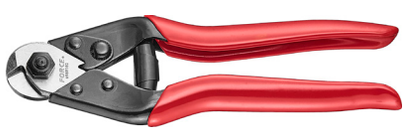
Wire twisting pliers



6958	l		
Part no.	mm	packing	g
6958160	160	48/12.0/15.0/1.0'	237
6958225	225	48/18.2/21.0/1.3'	368



Wire rope cutter



6959180	l		
Part no.	mm	packing	g
6959180	180	60/17.04/18.04/1.8'	284

Parallel jaw lock ring pliers



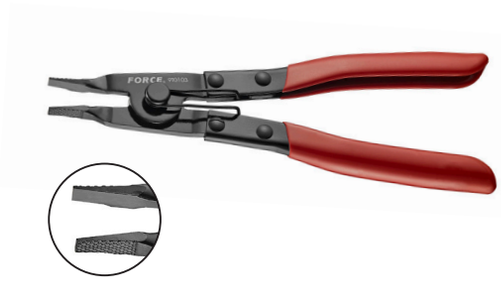
9T0101 36/14.2/15.2/1.7' 395g

- Features heavy drop forged 10” external action lock ring pliers
- Features compound leverage action.
- The thin jaws are notched to securely hold snap rings and they open in a parallel plane.
- Ideal for working on automatic transmissions.
- Spread: 1.1/16" (27 mm)
- Length: 10" (250 mm)





Straight tip lock ring pliers



9T0103 72/20.0/21.0/1.7' 274g

- Features heavy dropforged tips with wider opening for standard transmissions.
- Tip: flat, straight, serrated.
- Spread: 24 mm
- Length: 220 mm

Angled tip lock ring pliers



9T0104 72/20.0/21.0/1.7' 276g

- Features heavy dropforged tips with wider opening for standard transmissions.
- Tip: flat, angled, serrated.
- Spread: 24 mm
- Length: 220 mm

Internal lock ring pliers



9T0105 36/14.6/15.6/0.9' 400g

- Wide flat jaws designed for easy removal of lock rings on transmissions, differentials, shafts etc.
- Spring return handles.

Snap ring pliers (internal 90° bent tip)



609...ABC	Capacity	Tip	l		
Part no.	mm	mm	mm-inch	packing	g
60905ABC	8-25	1.3	140-5.5"	30/3.3/4.3/0.44'	80
609ABC	19-60	1.9	180-7"	30/5.0/6.0/0.73'	174
60909ABC	40-100	2.3	230-9"	30/11.3/12.3/1.2'	331
60912ABC	85-165	3.2	310-12"	36/18.0/19.0/1.7'	399

• 60912ABC is without a spring.

Snap ring pliers (external 90° bent tip)



609...ABO	Capacity	Tip	l		
Part no.	mm	mm	mm-inch	packing	g
60905ABO	8-25	1.3	140-5.5"	30/3.4/4.4/0.44'	80
609ABO	19-60	1.9	180-7"	30/5.5/6.5/0.73'	200
60909ABO	40-100	2.3	230-9"	30/12.1/13.1/1.2'	314
60912ABO	85-165	3.2	310-12"	36/18.0/19.0/1.7'	447

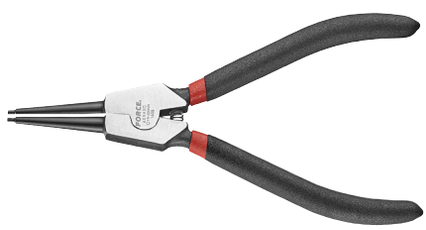
Snap ring pliers (internal straight tip)



609...ASC	Capacity	Tip	l		
Part no.	mm	mm	mm-inch	packing	g
60905ASC	8-25	1.3	140-5.5"	30/3.28/4.28/0.44'	80
609ASC	19-60	1.9	180-7"	30/5.0/6.0/0.73'	180
60909ASC	40-100	2.3	230-9"	30/11.4/12.4/1.2'	325
60912ASC	85-165	3.2	310-12"	36/19.5/20.5/1.2'	403

• 60912ASC is without a spring.

Snap ring pliers (external straight tip)



609...ASO	Capacity	Tip	l		
Part no.	mm	mm	mm-inch	packing	g
60905ASO	8-25	1.3	140-5.5"	30/3.4/4.4/0.44'	80
609ASO	19-60	1.9	180-7"	30/5.6/6.6/0.73'	194
60909ASO	40-100	2.3	230-9"	30/12.1/13.1/1.2'	311
60912ASO	85-165	3.2	310-12"	36/20.5/21.5/1.65'	438.5

Internal snap ring pliers (long arm)



9U0102 48/11.5/12.5/2.0' 240g

- Special design for the retaining ring in the deep hole.
- The most deep size: 56 mm

3pc Heavy-duty lock ring pliers set



903U1 36/21.5/23.0/1.4' 545g

- Serrated angled flat tips retaining screws.
- Designed for heavy-duty service on external lock rings used in truck and tractor transmissions.
- Replaceable tips.
- Extra leverage from long spring loaded handles.
- Spread: 3" (75 mm)
- Length: 14" (355 mm)



4pc Internal-external snap ring pliers set



904U3 60/12.0/14.0/2.5' 200g

- Effective range: 10-50 mm (3/8" - 2")
- Includes four pieces exchangeable tips
- 2pc Straight tips
- 1pc 90° angled tips
- 1pc 45° angled tips
- Jaws can be exchanged easily for 6 internal-external different purposes.



12pc Internal-external circlip pliers set



912U1

6/19.8/20.8/2.3' 3300g

- Feature replaceable points and spring ratchet locking mechanism to securely hold against circlip tension.
  Internal: 3-1/16" to 6-1/4"
  External: 3-1/2" to 6-1/2"
- Tip diameter: 0.12" (3 mm)
  Spread: 3-1/4" (85 mm)
  Length: 16" (400 mm)

20pc Internal-external circlip pliers set



920U2

10/13.5/15.0/1.6' 1.35kg

- Feature replaceable tips and spring ratchet locking mechanism to securely hold against tension.
  Offset tips make it easier to facilitate circlip.
- Internal: 3-1/16" to 6-1/4"
  External: 3-1/2" to 6-1/2"
- Replaceable tips:

Qty	Tip size	Tip angle
2	0.108	0°
2	0.108	15°
2	0.108	45°
2	0.108	90°
2	0.120	0°
2	0.120	15°
2	0.120	45°
2	0.120	90°

10pc Universal locking tool set



910U3

10/13.1/14.1/1.3' 1310g

- The multipurpose 9-1/2" pliers with five attachments.
- Parts are interchangeable depending on the desired functions and purpose.

Pipe wrench



684	Jaw opening	l		
Part no.	mm	mm	packing	g
68408	27	175	36/14.0/15.0/0.40'	390
68410	33	245	24/17.7/18.7/0.65'	697
68412	42	275	24/25.6/26.6/1.20'	986
68414	48	315	12/16.8/17.8/0.60'	1345
68418	60	400	12/25.0/26.0/1.20'	2045
68424	73	540	6/20.9/21.9/1.00'	3329
68436	102	770	3/19.5/20.5/0.92'	6280
68448	141	1030	2/19.8/20.8/1.30'	9650



Aluminum pipe wrench



684...A	Jaw opening	l		
Part no.	mm	mm	packing	g
68410A	33	245	24/11.0/12.0/0.4'	460
68412A	42	290	24/17.0/18.0/0.4'	700
68414A	48	325	24/21.5/22.5/0.5'	895
68418A	60	405	12/18.0/19.0/0.9'	1500
68424A	73	555	6/14.0/15.0/0.7'	2330
68436A	102	775	3/14.0/15.0/1.1'	4660
68448A	141	1055	2/16.7/17.7/1.0'	7940



Pipe wrench



684C	Size	Working capacity	l		
Part no.	inch	mm	mm-inch	packing	g
684C14	1	0-44	350-14"	20/15.8/16.8/0.78'	790
684C17	1-1/2	0-58	440-17"	16/23.2/24.2/1.70'	1450
684C22	2	0-76	560-22"	8/18.8/19.8/1.60'	2350

90° Corner pipe wrench

NEW



684D	Size	Working capacity	l		
Part no.	inch	mm	mm-inch	packing	g
684D13	1	0-42	340-13.4"	20/15.8/16.8/0.50'	790
684D17	1-1/2	0-60	440-17.0"	10/14.5/15.5/0.62'	1450
684D22	2	0-70	560-22.0"	10/23.5/24.5/0.96'	2350

Pipe torque wrench



647P	Torque	Jaw opening	l		
Part no.	Nm	mm	mm	packing	kg
647P210	40-210	48	590	8/18/19/2.1'	3.0
647P350	70-350	63	825	6/24/25/2.46'	3.7
647P500	100-500	63	920	4/18.8/19.8/2'	4.3

• Accuracy: ±6%

Pipe gripping pliers



6957240	l		
Part no.	mm	packing	g
6957240	240	40/14.5/15.5/1.2'	500

10pc Tubing cutter & double flaring tool set



656A

10/17.3/18.3/1.0' 1730g

• This 2-in-1 flaring tool set is designed to withstand the high pressures necessary to double flare soft steel tubing, as well as, single flare soft copper, aluminum and brass tubing. Automotive 45°.

Contents:
1pc Flaring tool
1pc Flare bar
7pc Adaptor 3/16"; 1/4"; 5/16"; 3/8"; 7/16"; 1/2"; 5/8"
1pc Heavy duty tube cutter: 1/8" - 1/18"

656AM

10/17.3/18.3/1.0' 1730g

Changed item
1pc Flare bar
7pc Adaptor 4; 4.75; 6; 8; 10; 12; 14 mm
1pc Heavy duty tube cutter: 4-28 mm





7pc Double flaring tool kit



656F

10/11.0/12.0/1.0' 1100g

• This 45° double flaring tool is designed for S.A.E. size tubing and will withstand pressure that is necessary for double flare tubing up to 1 mm wall thickness. Tool can be used as a single flaring tool.

Contents:
1pc Flaring tool
1pc Flare bar
5pc Adaptor 3/16", 1/4", 5/16", 3/8"; 1/2"

10pc Tubing cutter and double flaring tools kit



656

12/18.5/19.5/1.2' 1542g

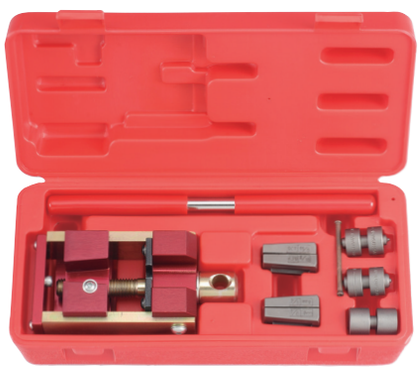
Contents:
1pc Flaring screw
1pc Tubing cutter.
1pc 9/16" Screen bar.
7pc Adaptor 3/16"; 1/4"; 5/16"; 3/8"; 7/16"; 1/2"; 5/8"

656M

12/18.5/19.5/1.2' 1542g

Changed item
7pc Adaptor 4; 6; 8; 10; 12; 14; 16 mm

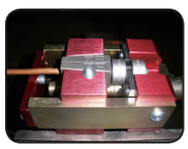
Professional universal flaring tool



906T2

4/16.8/17.8/1.1' 4200g

- Tool works in two steps for thin walled steel, aluminum or copper pipes.
- For dimensions of 3/16" (4.75 mm) and 1/4" (6 mm)
- Fast manual flaring tool with minimal material wastage.



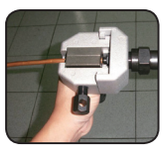
Hydraulic flaring tool kit



656B

6/15.0/16.0/1.5' 2330g

- SAE: 3/16"; 1/4"
- DIN: 3/16"; 1/4"





Hydraulic flaring tool kit



656BM

6/15.3/16.3/1.4' 2585g

- Use in-site on the vehicle and suitable for producing SAE (3/16" & 1/4") and DIN 45 degree (3/16" & 1/4") flares.
- Capable of working on steel brake pipes.
- 4.75; 5; 6 mm



Universal hydraulic flaring tool set



656B01

2/13.0/14.0/1.2' 6664g

- A quality flaring tool set containing a hydraulic flaring tool capable of 6 tons of pressure and a range of dies and adaptors suitable for:
  1). Push connect: 1/4", 5/16", 3/8", 1/2"
  2). GM fuel line flare: 5/16", 3/8"
  3). 45° & Double flare: 3/16", 1/4", 5/16", 3/8", 1/2"
  4). Metric bubble flare: 4.75, 6, 8, 10 mm
  5). GM-TC: 3/8", 1/2"

45˚ Eccentric flaring tool for R410A

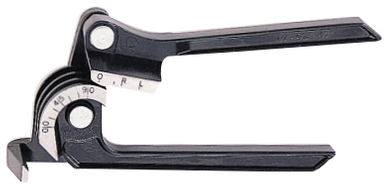


65641

8/12.0/13.0/1.5' 1385g

- Engineered to create stronger flare joints for high pressure R410A systems.
- Unique clutch driven feed screw and faceted cone produce uniform, clean flare walls without thin spots or galling.
- For 45˚ flaring of 1/4"; 5/16"; 3/8"; 1/2"; 5/8"; 3/4" O.D. tubing.

3-in-1 Tubing bender



653	Application		
Part no.	size	packing	g
65301	6; 8; 10 mm	50/17.4/18.4/2.0'	348
65302	1/4"; 5/16"; 3/8"	50/19.5/20.5/2.0'	390





180° 3-in-1 Tube bender



653180 20/10.9/11.9/2.0' 545g

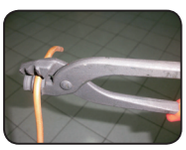
- Quality aluminum body
- Three size tube bender
  Inch: 1/4", 5/16", 3/8"
  Metric: 6 mm, 8 mm, 10 mm

Breakline bending pliers



65303 30/14/15/1' 420g

- Size: 3/16", 1/4"



Tubing bending pliers



65305 30/18.0/19.0/1.8' 600g

- For bending brass, copper, aluminum and steel tubing.
- Tubing bender pliers feature one rollers.
- One roller accepts 3/16"; 1/4"; 5/16"; 3/8"
  (4.8; 6.4; 7.9; 9.5 mm) O.D. tubing.

Tube straightener tool



65306 2/14.5/15.5/0.9' 6526g

- Straighten coils of brake pipe quickly and easily.
- For use on most types of tubing including soft metal tube, copper and stainless steel.
- Size ranges from 3/16" to 1/2" (4.75-12.7 mm)

Iron pipe cutter



65605 6/18.6/19.6/1.9' 3100g

- For 1/2" - 2" (12-50 mm) O.D. iron pipe
- Part: Cutting wheel **(65605-B)**
- 43 cm

Telescopic tubing cutter

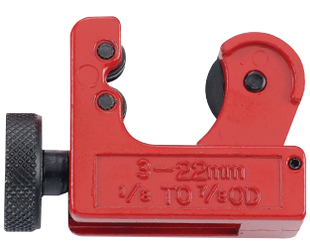


65601 60/17.0/18.0/2.1' 283g

- Hardened cutting wheel.
- Tapered burr remover.
- Cuts copper, brass, aluminum & mild steel tubing 1/8" to 1-1/8" (3-29 mm) outside diameter.



Mini tubing cutter



65602 100/13.5/14.5/2.2' 135g

- Range: O.D. 1/8" to 7/8" (3-22 mm).
- Small size allows use in restricted areas.



Professional tubing cutter



65604 60/16.8/17.8/1.8' 280g

- Solid and durable
- Aluminum alloy body
- High grade SUJ2 steel blade
- With deburring reamer.
- Capacity: 3-28 mm (1/8" to 1-1/8")
- For copper, brass and aluminum tubing.

Telescopic tubing cutter



65608 60/17.0/18.0/2' 270g

- For 1/8" to 1-1/4" (3-32 mm) O.D. tube,sk-2 (1+1)

Ratchet tube cutter



656	Capacity		
Part no.	ø mm	packing	g
65631	8-28	36/16.5/17.5/2.14'	392
65632	28-67	12/13.0/13.5/0.84'	1036

- Quick and easy ratchet mechanism make it easy and comfortable to use even in narrow spaces.
- 65631 can cut copper pipe up to 1.5 mm.
- 65632 can cut stainless pipe up to 3 mm.

Exhaust pipe and tubing cutter



65603 30/17.6/18.6/1.1' 586g

- Cuts thin-walled steel and copper tubing from Ø20 mm to Ø75 mm (3/4" - 3").
- Cuts quickly and easily.
- Fitted with 7 cutting blades for fast, clean cutting.



Inside / Outside deburring tool



65304 80/5.3/6.3/2' 54g

- 3/16" to 1-1/2" O.D, plastic body



Steel wire rope cutter



6927310 20/14.0/15.5/1.4' 700g

- For cutting steel wire rope up to 7 mm and mild steel rod up to 5 mm.
- For cutting copper and aluminum cable up to 60 mm^2.
- Length: 310 mm.

Steel wire rope cutter



6927600 10/17.0/20.5/2.2' 1700g

- For cutting steel wire rope up to 14 mm and mild steel rod up to 9 mm.
- For cutting copper and aluminum cable up to 150 mm^2.
- Length: 600 mm.

Bolt cutter



9U0501	Cutting capacity		l		
Part no.	HRC15° (m/m)	HRC35° (m/m)	mm-inch	packing	g
9U050112	5Ø	4Ø	300-12"	20/16.6/17.6/2.1'	830
9U050114	7Ø	5Ø	355-14"	20/24.0/25.0/1.9'	1200
9U050118	8Ø	6Ø	455-18"	15/24.2/25.2/2.3'	1150
9U050124	10Ø	8Ø	610-24"	8/19.0/20.0/2.7'	2375
9U050130	13Ø	10Ø	762-30"	6/23.8/24.8/2.1'	3790
9U050136	16Ø	11Ø	863-36"	5/29.0/30.0/1.8'	5830
9U050142	18Ø	13Ø	1066-42"	3/28.0/29.0/2.0'	9330

Multi-function magnetic pick-up



617

100/8.9/9.9/1.1' 89g

- Magnetic pick-up tool in telescopic extended, maximum 63 cm extension.
- Take off the cap of bottom, the needle point head can be used for making when draw a line or clean the narrow slot and small hole.
- Attach a fully adjustable mirror for inspection.
- All-in-one handy tool with pocket clip.
- Length: 235 mm



Multi-function inspection tool



617A

40/19.2/20.2/0.8' 480g

Contents:

1pc Aluminum interchangeable handle
1pc Inspection mirror
1pc 6-lbs Magnetic retriever
1pc 10" Flexible adapter
1pc 9" 135 degree bended adapter
1pc 8" Straight adapter
1pc UV light
1pc LED light



3-in-1 Magnetic flexible pickup tool with light & mirror



617L

48/17/18/2.6' 333g

- Positive action turn on/off switch
- Magnetic pick-up 5 lbs. (2.3 kgw)
- Flexible shank of dia. 8.3 mm and length 560 mm (22")
- Oval glass mirror of dia. 39 mm
- Inspection light is operated with 3pc micro alkaline, LR44 batteries.

Infrared thermometer



9U0401 24/5.4/6.4/2.0' 175g

- Laser indicator.
- Changeable between: °C and °F
- Temperature range: -20 to 500°C
- Operating temperature: 0 to 50°C
- Storage temperature: -20 to 50°C
- Precision: ±2.5% or 3°C
- Distance-to-Spot: 10:1
- Power supply: 9V battery

LED White light, clip-type (360° rotation)



68601 120/7.32/8.32/1.9' 61g

- 3 LEDS.





Limber magnetic LED light



68602 120/10.2/11.7/3.5' 85g

- 3 LEDS.



10W LED working light



68608 20/12.0/13.0/1.6' 490g

- Size: 330 x 95 x 100 mm
- Charging time: 3.5-4 hours
- Input power: AC 100-240V, DC 12V-24V
- Battery: 3.6 V 2250 mAh NI-MH
- Working time: 4 hours when fully charged
- Activetime: 2.5 hours





Ultra COB LED slim light (lumen-adjustable switch)



68611 20/6.5/7.5/1.2' 325g

- Specifications:
  - A. LED Max power: 15W LED COB light
  - B. Li-ion rechargeable battery: 3.7V 2200mAh
  - C. Charger input: AC100-240V 50/60Hz
  - D. Power output: 5.0V 1000mAh
  - E. Charger time: 3.5-4.0 hours
  - F. Avtive time: 2.5 hours
  - G. Storage temperature: -20°C to 70°C
  - H. Operation temperature: -5°C to 50°C
  - I. Product size: 375(L) x 40(W) x 30(H) mm
- Features:
  1. Micro adjustment lumen switch
  2. Foldable base with powerful magnet
  3. Swivel hanging hook
  4. Built-in 2200 mAh LI-ion battery
  5. For full light-approx 2.5 hours working hours, for semi light-approx 10 working hours
  6. 4 hours charging time:
     in charging -red indicator flash,
     charged completed-blue indicator light on,
     low battery -yellow indicator flash
  7. Comes with 5V 1A USB charger & USB cable



LED COB Slim work light (nature white + yellow light)

NEW



68611Y

20/9.9/10.7/2' 378g

- Lumen switch: turn for on/off, and then turn right or left for necessary light.
- Function switch available aside.
- Swivel base with powerful magnet.
- Swivel hanging hook.
- Application: lighting / polishing / waxing.
- Charging battery - use USB charger and USB cord connect to the USB charging port and then plug into socket for re-charging.
- Built-in 3350 mAh Li-ion battery capacity.
- LED Max power:
  nature white: 620 lumens 10W COB LED
  yellow light: 600 lumens 10W COB LED
  nature white + yellow light: 770 lumens 20W COB LED
- Charging time: 3.5 hours.
- Active time: more than 3 hours.
- Charger input: AC100-240V 50/60Hz.

LED COB Slim work light (nature white + UV light)

NEW



68611U

20/9.9/10.7/2' 378g

- Lumen switch: turn for on/off, and then turn right or left for necessary light.
- Function switch available aside.
- Swivel base with powerful magnet.
- Swivel hanging hook.
- Application : lighting / A/C refrigerant / coolant leak.
- Charging Battery – use USB charger and USB cord connect to the USB charging port and then plug into socket for re-charging.
- Built-in 3350 mAh Li-ion battery capacity.
- LED Max power:
  nature white: 620 lumens 10W COB LED
  UV light: 4.822
- Charging time: 3.5 hours.
- Active time: more than 3 hours.
- Charger input: AC100-240V 50/60Hz.

5W COB LED pen light



68612

100/8.0/9.0/1.4' 82g

- Size: 165 x 25 x 30 mm
- 5W LED COB light
- 360 degree of rotation
- Clip with magnet

2-IN-1 LED Focus adjustable flashlight / COB work light

NEW



68611S 50/11.4/12.4/1.3' 145g

- Lumen switch: turn for on/off, and then turn right or left for necessary light.
- Focus adjustable.
- Swivel base with powerful magnet.
- Charging battery-use USB charger and USB cord connected to the USB charging port and then plug into socket for re-charging.
- Built-in 2200 mAh Li-ion battery capacity.
- LED Max power: 400 Lumens 8W COB LED + 3W tip light.
- Charger time: 3.5-4.0 hours.
- Active time: more than 3 hours.
- Charger input: AC100-240V 50/60Hz.
- Product size: 230(L) x 30(W) x 40(H) mm.

Flash light with zoom in/out function

NEW



68607A 30/3.7/4.7/0.4' 122g

- Bulb type: CREE XPE LED
- Battery: AAA x 3pc or 18650 x 1pc (not included)
- Size: Ø34 x Ø27 x 116 mmL
- Three light modes: High / Low / Strobe
- Lumen: High - 240 lumen,
  Low - 100 lumen

20W LED Flash light

NEW



68613 30/6/7/0.66' 200g

- Size: 162 x 43 x 32 mm
- Lumen: 2200 / 1600 / 1100 lm
- Features 5 adaptable settings:
  High, Medium, Low, Strobe, SOS
- Working time:
  1 Hour (High) / 2 Hours (Medium) / 3 Hours (Low)
  based on 2600mAh Li battery.
- Charging time: Input 1A maximum 3 hours
- Battery: (not included)
  AAA x 3pcs or 18650 x 1pc or 26650 x 1pc
- Power: 20W
- Bulb type: P70 LED

EZ-release magnetic pick-up



88011

12/8.0/9.0/2.1' 660g

- 680 mmL (26-3/4")
- Capacity: 8 LBS (3.63 kg)

Functions:

- EZ- Release magnetic pick up tool has a magnetic device that is able to attract any metallic items or spare parts laying on the floor without having to go through the trouble and pick them up one by one.



Midi EZ-release magnetic pick-up



88012

24/15.1/16.6/2.5' 630g

- 110 x 110 x 190 mm
- Capacity: 10 LBS (4.54 kg)

Functions:

- Easy pick-up and release of metallic materials.
- Just squeeze the handle to quickly release material.



Heavy-duty flexible magnet pick-up tool



61701

100/19.0/20.0/3.1' 190g

- Flexible shank diameter 8.5 mm; 440 mmL
- With plastic PVC grip
- Magnetic capacity: 3.5 Lbs (1.6 Kgw)
- Overall length: 535 mm (21")

Flexible magnet pick-up tool



61702 72/11.0/12.0/1.8' 150g

- Flexible shank diameter 5.0 mm; 400 mmL
- With plastic PP grip
- Magnetic capacity: 1.5 Lbs (0.7 Kgw)
- Overall length: 510 mm (20")

Telescopic magnetic pick-up tool



88902 200/12.0/13.0/1.2' 60g

- 7-section extension rod.
- Length: 135-650 mm.
- Magnetic capacity: 3.5 LBS (1.6 kg).
- With pocket clip.

Demagnetizer / Magnetizer



88601 120/16.6/17.6/1.3' 140g

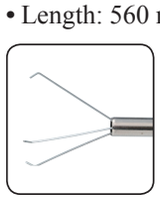
- Size: 5 cm x 5 cm x 3 cm

3-Claw pick-up tool



88901 150/15.1/16.1/1.2' 100g

- Length: 560 mmL



Magnetic fender cover with 4 pockets



88801 17/16.7/17.7/4.0' 980g

- Size: 110cm x 56cm
- Front cover made with PVC Sponge leather, backing is TR/BRUSH which does not damage or scratch any surface
- Top row includes STRONG magnets, which attract and stay on any metal surface easily.
- Easy to open and fold into compact size.
- The magnets are removable and replaceable before and after washing the fender cover.



Magnetic fender cover w/o pockets



88802 18/13.2/14.2/4.0' 734g

- Size: 110cm x 56cm
- Front cover made with PVC Sponge leather, backing is TR/BRUSH which does not damage or scratch any surface
- Top row includes STRONG magnets, which attract and stay on any metal surface easily.
- Easy to open and fold into compact size.
- The magnets are removable and replaceable before and after washing the fender cover.



Magnetic fender cover w/o pockets



88803 18/10.2/11.2/4.0' 566g

- Size: 80 x 60 cm
- Front cover made with PVC Sponge leather, backing is TR/BRUSH which does not damage or scratch any surface
- Top row includes STRONG magnets, which attract and stay on any metal surface easily.
- Easy to open and fold into compact size.
- The magnets are removable and replaceable before and after washing the fender cover.



Magnetic fender cover w/o pockets



88804 18/11.9/12.9/4.0' 660g

- Size: 108 x 39 cm
- Front cover made with PVC Sponge leather, backing is TR / BRUSH which does not damage or scratch any surface
- Top row includes STRONG magnets, which attract and stay on any metal surface easily.
- Easy to open and fold into compact size.
- The magnets are removable and replaceable before and after washing the fender cover.



Seat cover



G81 50/17.3/18.3/1.5' 350g

- Size: 140 x 70 cm

Steel creeper



9U0311 1/7.8/8.8/1.8' 8kg

- Six wheels make the movements easily.
- The pillow is removable and replaceable.
- Size: 93 x 50 x 12 cm

Steel car seat



9U0312 1/5.8/6.5/1.1' 7.5kg

- Size: 40 x 30 x 30 mm
- Tools not included.

Steel car seat



9U0313 1/6.0/6.7/1.08' 6kg

- Strong and stable frames.
- Plastic corner for protection

Oil barrel pump



887P01 10/22.3/23.3/1.9' 2230g

- Two-piece telescopic suction tube fits 15 to 55 gallon drums.
- Tube adjusts from 19-9/32" to 35" (490 mm to 890 mm)
- Dispenses approximately 350 c.c. per stroke.
- 2" and 1-1/2" NPT bung nuts are equipped.



Oil bucket pump



887P02 4/13.0/14.0/4.0' 3250g

- For transferring of transmission, differential and heavier oils.
- Fits 25-50 lb (5-gallon pail) original refinery and 12" I.D. (300 mm) clamp-on-carry bucket.
- Dispenses approximately 2 oz. (59 c.c.) per stroke.
- 5 ft. Oil-resistant hose.

Aluminum rotary pump



887P03 6/17.5/18.5/1.4' 2915g

- 887P03 with aluminum alloy body, PPS rotor, PPS vane, FKM seal, spout and suction tube is plate.
- Application: gasoline, diesel fuel, kerosene, lubricant, ethyl alcohol.
- Capacity: 280 CC / rotation.



Lever type grease gun



887120 40/24.2/25.9/1.6' 566g

- Electroplated finish for long service life
- Short-stroke "lever action" for easy use
- Uses 120 c.c. bulk grease.

Air grease gun combination kit



887		l		
Part no.	size	mm	packing	g
88701	14 o.z. / 400 c.c.	380	8/18.2/21.1/2.0'	2600
88701L	16 o.z. / 500 c.c.	380	8/19.6/22.7/2.0'	2775

Contents:

1pc Air grease gun
1pc 1/4" Quick release coupler
1pc 1/4" Hose fitting
1pc Metallic bend spout
1pc 9" High pressure nylon hose
1pc Manual operated gun head

Features:

- 360°angle-free rotating & continuous flow.
- Where there is no air source or air hose can't reach, you can change the air gun head to the hand-operated gun head to proceed lubrication by manual operation.

Lever type grease gun



88704 w/Metallic bant spout



88704H9 w/Flexible hose 9"

88704 / 88704H9 20/23.0/26.9/2.3' 1136g

- Electroplated finish for long service life
- Short-stroke “lever action” for easy use
- Vented head cap for easy filling
- Use standard 14 oz. grease cartridge
- 3-ways loading: Standard 14 oz. crtridge, pressure filler and bulk 400 c.c.

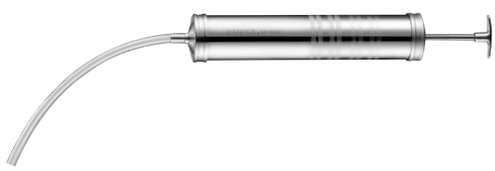
Hand grease gun (400c.c.)



887400P 12/17.0/18.0/1.6' 1330g

- Chrome-plated finish for long service life.
- Pistol grip "lever action" for easy use.
- Vented head cap & positive lock for easy filling.
- Knurled thick wall barrel for secure grip.
- Uses standard 14oz. grease cartridge.
- Working Pressure: 4300 P.S.I.
- 100mm straight pipe with standard coupler.
- Pistol type with 4-1/2" metal spout.

Oil suction gun (500c.c.)



887A500 20/17.0/18.0/1.4' 850g

- Perfect for removing or replacing oil in engine/transmissions/differentials gearbox sumps/crankcases, enables easy access to awkward locations.
- Ideal for vehicle & machinery use
- Knurled thick wall barrel for secure grip
- 10" Flexible hose
- Capacity bulk: 20oz / 550cc

Metal oil can (350ml)



887C01 48/15.4/16.4/4.4' 316g

- Angled spout enables lubricating in difficult-to-access locations.
- Robust pump provides trickle feed supply.
- Material of container: steel
- Material of pump: copper
- Volume of container: 350 ml

Metal oil can with flexible spout (350ml)



887C02 48/16.2/17.2/4.4' 316g

- Flexible spout enables lubricating in difficult-to-access locations.
- Robust pump provides trickle feed supply.
- Material of container: steel
- Material of pump: copper
- Material of flex spout: PVC
- Volume of container: 350 ml



Plastic oil can with flexible spout (500ml)



887C03 25/4.9/5.9/2.5' 220g

- Flexible spout enables lubricating in difficult-to-access locations.
- Robust pump provides trickle feed supply.
- Material of container: HDPE
- Material of pump: copper
- Material of flex spout: PVC
- Volume of container: 500 ml

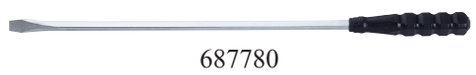
Flexible metal funnel



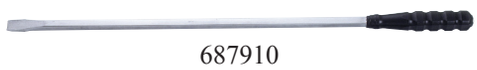
887D01 10/3.4/4.4/2.6' 340g

- Galvanized steel funnel with metallic flexible spout with mesh filter.
- For filling oil easily at inaccessible area.
- Tube length: 370 mm

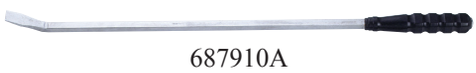
Jumbo pry bar



687780



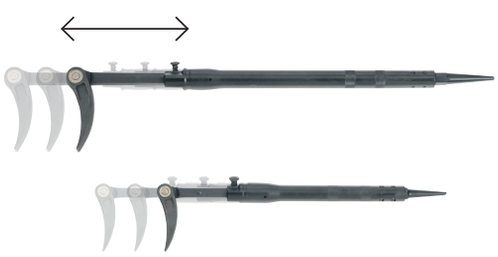
687910



687910A

687	l		
Part no.	mm-inch	packing	g
687780	780-30.7"	20/20.0/21.0/0.80'	1085
687910	910-36.0"	12/22.0/23.0/0.50'	1830
687910A	910-36.0"	12/22.0/23.0/0.59'	1830

Free long pry bar



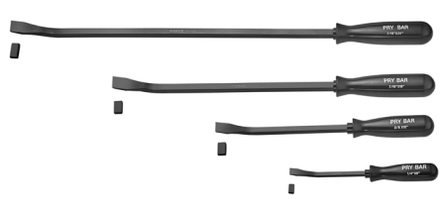
68790/68755		l	l	Moment		
Part no.	Slide shank	Min.	Max.	kgf.m	packing	kg
68790	16mm Hex	65.5cm 25.8"	90.5cm 35.6"	50	8/16.0/16.8/1.6'	2.0
68755	13mm Hex	42.0cm 16.5"	55.5cm 21.8"	35	20/18.0/19.0/0.94'	0.9

- Auto repair tool.
- Machine repair tool.
- Space saving.
- Easy to carry and store.
- Any end part can be made available at your request.





4pc Pry bar set



904U5 12/18/19/1.7' 1290g

1pc	904U508	8" (200mm)
1pc	904U512	12" (300mm)
1pc	904U518	18" (450mm)
1pc	904U524	24" (600mm)



4pc Jumbo heavy duty pry bar set



904U2 — 2/17.5/18.5/1.4' — 8730g

	1pc	904U2-2470	24"x70°
	1pc	904U2-2490	24"x90°
	1pc	904U2-3600	36" straight
	1pc	904U2-3635	36"x35°

- Extra large handles allow use of both hands for increased leverage
- Textured handle grips for secure hold
- Chrome molybdenum steel shafts
- Hardened and tempered for maximum strength
- Heavy duty 5/8" bar stock
- Go-through shafts with steel end caps

Pry bar



687450



687445

687	*l*		
Part no.	mm-inch	packing	g
687450	450-17.72"	40/26.5/27.5/0.7'	923
687445	445-17.5"	20/17.6/18.6/0.7'	846

- Material: S45C

4pc Pry bar set



904U620
904U616
904U612
904U606

904U6 — 10/17.0/18.0/1.1' — 1700g

	1pc	904U606	6" (150 mm)
	1pc	904U612	12" (300 mm)
	1pc	904U616	16" (400 mm)
	1pc	904U620	20" (500 mm)

Crowbar with crook beak



687400H — 40/18.6/19.6/0.47' — 465g

- Bending tool
- Length: 400 mm (16")
- Bended head, hexagonal shank

Brush Assortment



938U1

4/5.8/6.8/1.0' 1458g

- For professional cleaning and deburring of cylinders, tubes, bushings, etc.
- Also for use on electric and air-powered drills.

Contents:

12pc Nylon brushes:
Ø 8-9-10-11-12-13-14-15-16-17-18-19 mm (938U1-N 08...19)
12pc Steel brushes:
Ø 8-9-10-11-12-13-14-15-16-17-18-19 mm (938U1-S 08...19)
12pc Brushes with brass coating:
Ø 8-9-10-11-12-13-14-15-16-17-18-19 mm (938U1-B 08..19)
1pc 1/4" handle with adapter and quick lock (8148)
1pc Magentic QR 1/4"Hex-1/4"Inhex 6" (150 mm) (812150Q)

Brass & nylon scrape brushes



9U3001

240/8.7/9.7/2.1' 36g

- Length: 3" (75 mm)

Wire brush



9U3003

120/7.7/8.7/2.1' 64g

- Length: 8.7" (220 mm)

13pc Extra long combination wrench set



51313 4/13.4/14.4/1.17' 3360g

	13pc	8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 22; 24 mm

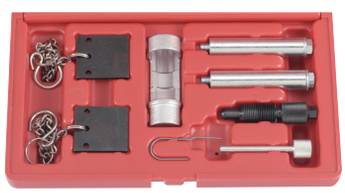
Long combination wrench



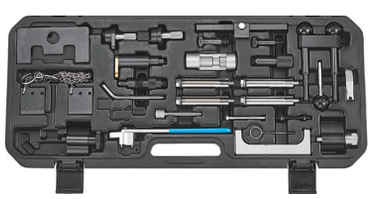
755...L		l		
Part no.	size	mm	packing	g
75506L	6	128	1000/20.0/21.0/0.61'	20
75507L	7	138	600/14.4/15.4/0.50'	24
75508L	8	148	400/12.8/13.8/0.70'	32
75509L	9	160	400/14.0/15.0/0.70'	35
75510L	10	167	400/16.0/17.0/0.70'	40
75511L	11	186	200/12.0/13.0/0.57'	60
75512L	12	196	200/16.0/17.0/0.59'	80
75513L	13	205	200/20.0/21.0/0.70'	100
75514L	14	223	200/24.0/25.0/0.62'	120
75515L	15	233	100/14.0/15.0/0.42'	140
75516L	16	243	150/24.0/25.0/0.67'	160
75517L	17	262	100/20.0/21.0/0.62'	200
75518L	18	272	100/22.0/23.0/0.62'	220
75519L	19	281	100/24.0/25.0/0.96'	240
75520L	20	301	50/14.0/15.0/0.63'	280
75521L	21	301	50/15.0/16.0/0.63'	300
75522L	22	319	50/16.0/17.0/0.82'	320
75523L	23	329	50/17.0/18.0/0.82'	340
75524L	24	339	40/18.8/19.8/0.77'	470
75525L	25	358	40/19.5/20.5/0.77'	488
75526L	26	358	40/21.0/22.0/0.77'	525
75527L	27	388	30/21.0/22.0/0.97'	700
75528L	28	388	30/21.5/22.5/0.97'	717
75529L	29	404	30/23.0/24.0/0.97'	767
75530L	30	404	30/24.6/25.6/0.97'	820
75531L	31	431	20/22.0/23.0/0.69'	1100
75532L	32	431	20/22.0/23.0/0.69'	1100
75533L	33	471	20/22.0/23.0/0.76'	1100
75534L	34	471	20/24.0/25.0/0.76'	1200
75535L	35	510	10/12.5/13.5/0.58'	1250
75536L	36	510	10/13.0/14.0/0.58'	1300



908G5 P.1-35
Engine timing tool set for VW/AUDI



928G1 P.1-36
Engine timing tool set for VAG



929G1 P.1-36
Engine timing tool set for VAG



910G5 P.1-37
Engine timing tool set for AUDI



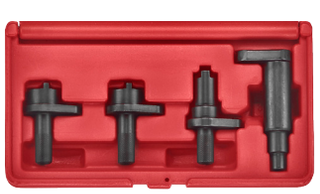
913G7 P.1-37
Engine timing tool set for AUDI



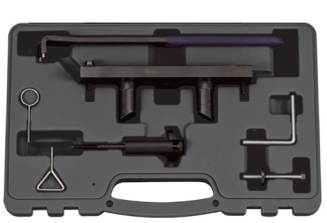
902G18 P.1-37
Camshaft clamp for AUDI



904G15 P.1-38
Engine timing tool set for VAG



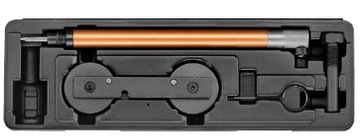
907G13 P.1-38
Engine timing tool set for VAG



906G6 P.1-39
Engine timing tool set for VW



904G16 P.1-39
Engine timing tool set for VAG



914G5 P.1-40
Engine timing tool set for VW / AUDI



908G13 P.1-40
Engine timing tool set for VW



908G18 P.1-41

Engine timing tool set for VAG



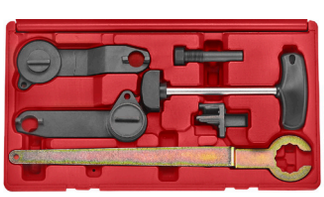
904G20 P.1-41

Engine timing tool set for VAG



906G10 P.1-42

Engine timing tool for VAG



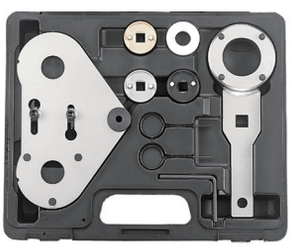
910G9 P.1-42

Engine timing tool set for VAG 1.6 / 2.0TDI



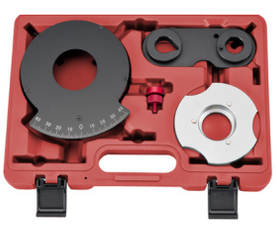
909G10 P.1-43

Engine timing tool set for VAG



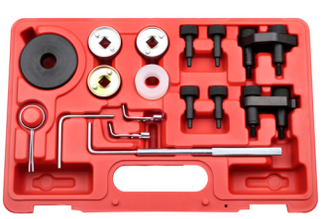
904G21 P.1-43

Timing chain elongation testing gauge for VAG



916G8 P.1-44

Engine timing tool set for VAG



904G17 P.1-44

3-In-1 Bosch VE fuel injection pump adapter timing tool for VW / AUDI



9G0129 P.1-44

Crankshaft seal installer tool for VAG



9G0129A P.1-45

Crankshaft seal remove / installing tool for VAG



902G13 P.1-45

Camshaft central valve tool for VW / AUDI



9G1210 P.1-45

Camshaft adjusting socket for AUDI



9G0618 P.1-46
Camshaft adapter socket for VAG



9G0811 P.1-35
Timing chain tensioning socket for VW / AUDI 4.0L



9G0812 P.1-35
Timing chain tensioning socket for VW / AUDI 3.0L



9G1216 P.1-46
Camshaft holding bracket for VAG



9G1209 P.1-47
Camshaft alignment plate for VW



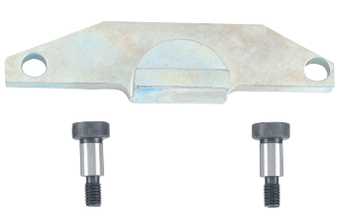
902G6 P.1-47
Camshaft alignment tool for AUDI



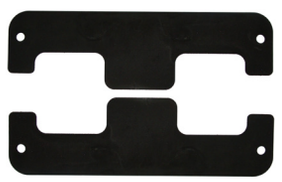
9G1206 P.1-47
Camshaft locking tool for VAG



903G10 P.1-48
Camshaft locking tool for VAG



902G15 P.1-48
Engine timing tool set for VW/AUDI



902G16 P.1-48
Engine timing tool set for AUDI



902G17 P.1-49
Engine timing tool set for AUDI



902G19 P.1-49
Engine timing tool set for VAG



9G0807 P.1-49

Engine timing tool for VAG



9G1302 P.1-50

Crank locking pin for AUDI



9G1303 P.1-50

Crank locking pin for VAG



9G1305 P.1-51

Crank locking pin for VAG



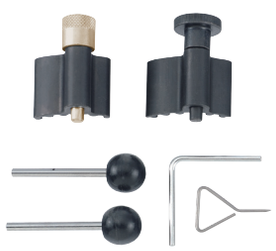
9G1306 P.1-51

Crank locking pin for VAG



906G4 P.1-52

Timing tool set for VAG



9G1208 P.1-53

Crankshaft locking tool for VAG



9G1301 P.1-53

Crankshaft locking tool for VAG



902G2 P.1-53

Locking tool set for VAG



905G26 P.1-54

Vibration damper holding tool for VAG



9G0616 P.1-62

Counter hold tool for VAG



9G0607 P.1-63

Belt pulley holder for VAG



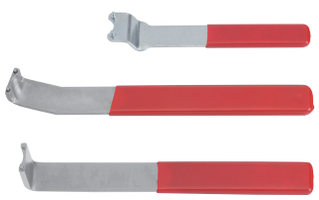
9G0608 P.1-63

Belt pulley holder for VW



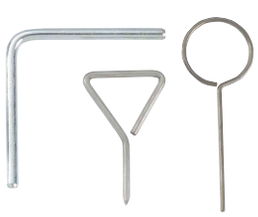
903G15 P.1-74

Adjusting tensioner belt set for VAG



903G8 P.1-74

Belt tension locking pins for VAG



902G4 P.1-75

Tensioner adjusting tool for VAG



9G0704 P.1-65

Reaction wrench



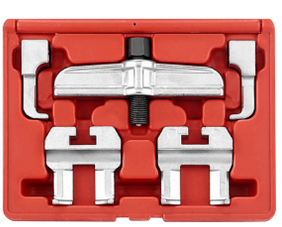
9G0705 P.1-65

Reaction wrench (1/2” DR.)



905G4 P.1-66

Camshaft drive belt pulley puller



9G1221 P.1-66

Balancer shaft puller for VAG 1.8 / 2.0



67402 P.1-67

VW / AUDI V-belt pulley remover



34914010V P.1-126

1/2"DR. M10S Cylinder head bolt tool



904T5 P.1-9

4pc VW, AUDI Ignition coils puller set



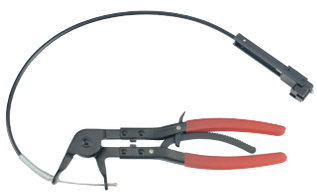
9G3103 P.1-9

Ignition coil puller for VAG



9G0208 P.1-80

Hose clamp pliers (for VW, AUDI 2.0)



62530 P.1-27

Hose clamp pliers (for VAG)



62532 P.1-82

Hose clamp removal tool



902G29 P.1-83

Intake manifold release tool for VAG



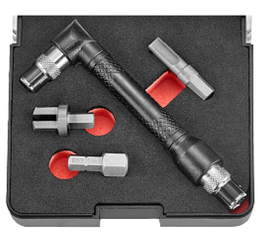
61930 P.1-145

Assembly tool for plastic oil drain plug (VAG group)



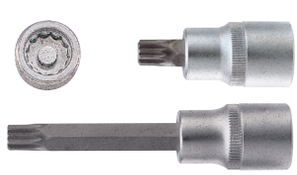
904G22 P.1-146

Plastic oil drain plug driver tool set



348...T P.1-145

1/2" DR. Drain nut socket bit (M16H)



61925 P.1-147

Oil filter drain tool for VAG



906G12 P.1-149

Oil funnel set for VAG



912G6 P.1-108

VW, AUDI Diesel & Gas injection remover tool (TDI & FSI)



9G0721 P.1-157

Fuel tank locking ring tool for VW/AUDI



9G0726 P.1-159

Fuel filter cover mounting tool for VW/AUDI/SKODA/SEAT



9G0131 P.1-159

Fuel filter cover mounting tool for VAG



9G0736 P.1-155

Fuel return line tool for VAG



9G0711 P.1-160

Fuel pump wrench



902G25 P.1-72

Clutch centering disc for VAG



61937 P.1-158

Diesel filter wrench for VW / VOLVO



9B0402 P.3-14

Calipers brake pad screw socket for PORSCHE & AUDI



9B0402A P.3-14

Caliper brake pad socket 15mm x 10pt.



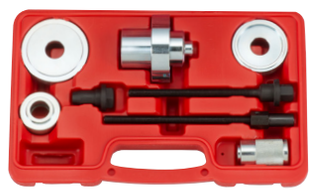
9B0402B P.3-15

Caliper brake pad socket 20mm x 10pt.



907T6 P.3-41

Bush remover / installer for VW



921T1 P.3-41

21pc Compact wheel hub/ bearing kit, Ø 62mm, Ø 66mm, Ø 72mm



917T3 P.3-42

Wheel hub and wheel bearing extraction & installation set for VW-T5



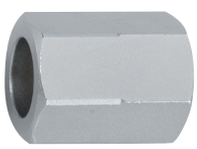
905T4 P.3-41

5pc VW/AUDI Rear suspension tool



62821 P.3-62

Audi ball joint tool



9T1481 P.3-68

Strut nut socket for VW/AUDI



904T1 P.3-68

Drive nut set



914B1 P.3-12

Brake calliper guidance thread repair set



905T11 P.3-85

VW / AUDI 7-Speed DSG clutch installer and remover



909T9 P.3-85

VW / AUDI 7 Speed DSG clutch installer & remover



9G4601 P.3-86

7-Speed DSG mechatronic unit remover for VW / AUDI / SEAT



9T0207 P.3-86

DSG Transmission filter wrench for VAG - short version



9T0207L P.3-86

DSG Transmission filter wrench for VAG



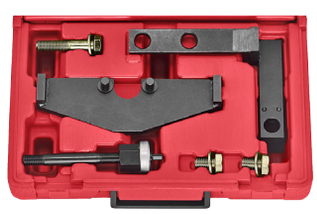
905G1 P.1-21

Engine timing tool set for BMW M52, M54, M56



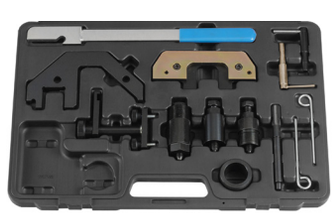
907G6 P.1-21

Engine timing tool set for BMW Mini



913G6 P.1-21

Engine timing tool set for BMW M41, M51, M47, M57



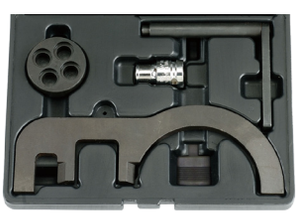
905G17 P.1-22

Engine timing tool set for BMW M47, M57



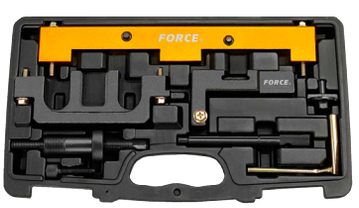
904G11 P.1-22

Engine timing tool set for BMW N47, N47S, N57



908G9 P.1-22

Engine timing tool set for BMW N42, N46, N46T



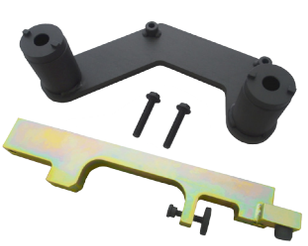
918G3 P.1-23

Engine timing tool set for BMW N42, N46



902G28 P.1-23

Engine timing tool set for BMW N47, N47S



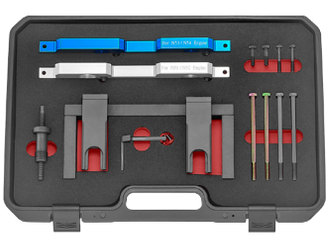
906G5 P.1-23

Engine timing tool set for BMW N40, N45, N45T



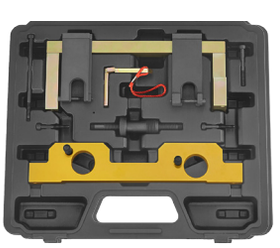
912G5 P.1-24

Engine timing tool set for BMW N51, N52, N53, N54



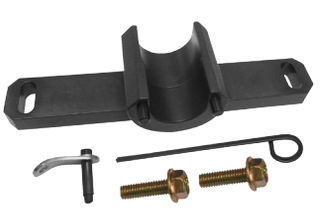
908G15 P.1-25

Engine timing tool set for BMW N20, N26



905G23 P.1-25

Balance shaft & oil pump alignment kit for BMW N20,N26



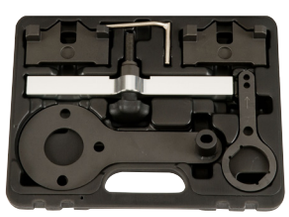
905G19 P.1-24

Engine timing tool set for BMW N62, N73



906G8 P.1-25

Engine timing tool set for BMW N63, N74



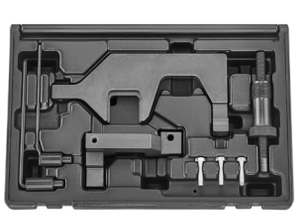
912G12 P.1-24

Engine timing tool set for BMW M60, M62 (VANOS)



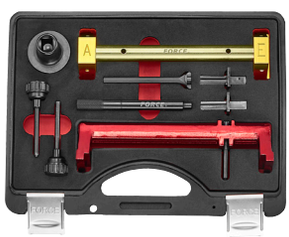
908G16 P.1-26

Engine timing tool set for BMW N13, BMW MINI N18



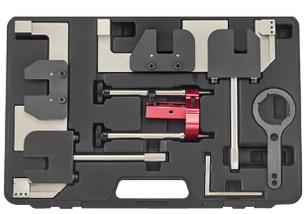
907G20 P.1-26

Engine timing tool set for BMW S54



905G28 P.1-26

Camshaft alignment tool for BMW S63



912G15 P.1-27

Engine timing tool set for BMW S65



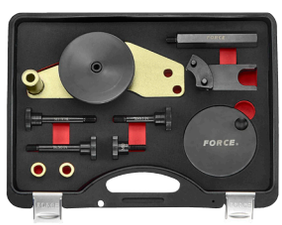
911G10 P.1-27

Engine timing tool set for BMW B38, B46, B48



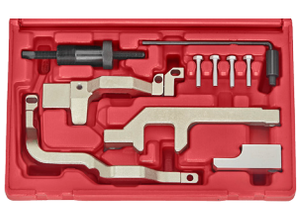
911G11 P.1-28

Vacuum pump sealing cover remover and installer set for BMW N53, N54, N55



910G8 P.1-28

Engine timing tool set for BMW MINI/CITROEN/PEUGEOT



905G12 P.1-29

Engine timing tool set for BMW BMW MINI/CITROEN/PEUGEOT



9G1220 P.1-59

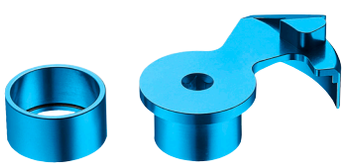
Crankshaft harmonic balancer holder tool for BMW



905G25 P.1-59
Crankshaft pulley holder for BMW N47, N57



9G0813 P.1-77
V-Belt installation tool for BMW



904G7 P.1-112
Diesel injection pump puller set for BMW



9G1501 P.1-112
Diesel injection pump puller for BMW



674 P.1-68
2pc M10 Alternator tools



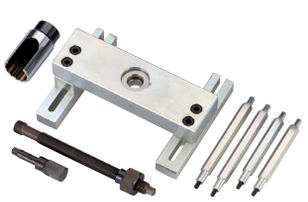
9G0710 / 9G0710B P.1-87
Viscous fan spanner



9G0730 P.1-87
Radiator / Coolant cap wrench for BMW



908G11 P.1-106
Diesel injectors remover for BMW



9G0405 P.1-121
Valve pressure spring installer / remover for BMW N20, N55



9G0406 P.1-122
Valve pressure spring installer / remover for BMW N51, N52



903G26 P.1-122
Valve spring combination tool for BMW B38, B48



54615012B P.1-126
1/2"DR. Star deep tool (E12)



9G0717 P.1-150

Oil cooler line pliers for BMW



9G0127 P.1-151

Fuel injector remover/installer tool for BMW N55



9G0128 P.1-151

Fuel injector remover/installer tool for BMW N20, N55



9G0130 P.1-151

Fuel injector remover/installer tool for BMW N63



6318716 P.1-141

Oil filter wrench for BMW



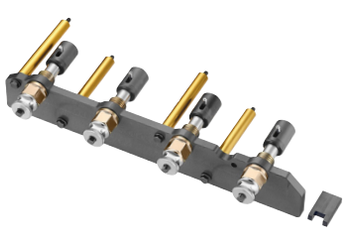
904G22 P.1-146

Plastic oil drain plug driver tool set



9G0132 P.1-152

Fuel injector remover/installer for BMW B36, B38, B48



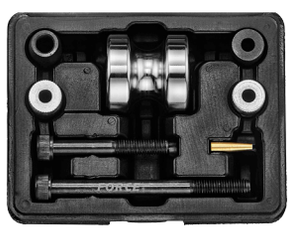
908G10 P.1-152

Fuel injector seal installer/remover for BMW



908G19 P.1-153

Fuel injector and seal tool kit for BMW



9G0725 P.1-156

Fuel tank lid remover/installer for BENZ (W211, W203) / BMW (E36, E46)



9G0722 P.1-157

Fuel tank locking ring tool for BMW/MINI/PORSCHE



9G0718 P.1-161

BMW line disconnect tool



9G0719 P.1-161

BMW line disconnect tool



905G15 P.1-29

Fly wheel holder tool for BMW



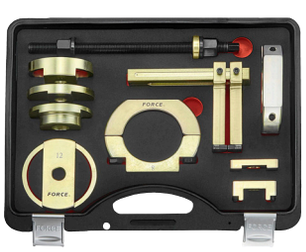
903T5 P.3-38

Swing arm sleeve tool set for BMW



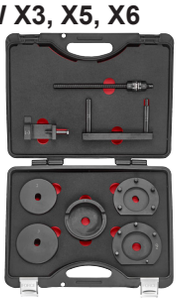
910T2 P.3-38

Rear suspension bush remover / installer for BMW



909T10 P.3-37

Transmission rubber mount bush remover / installer for BMW X3, X5, X6



906T8 P.3-39

Differential rear bush removal/ installation tool kit for BMW



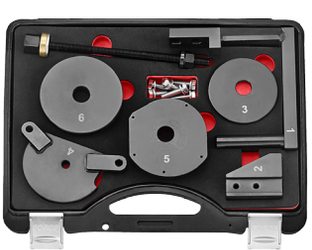
902T2 P.3-84

Camber adjustment tool for BMW rear axles



913T3 P.3-85

Transmission rubber mount bush installer & remover



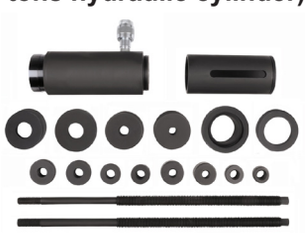
907T7 P.3-38

Differential front bush removal/ installation tool kit for BMW



919T2 P.4-20

Truck spring pin metal bush remove/install set (17 tons hydraulic cylinder)



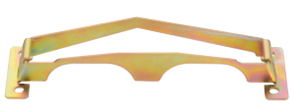
904G18 P.1-30

Engine timing tool set for BENZ M271



9G1218 P.1-30

Engine timing tool set for BENZ M111



906G7 P.1-31

Engine timing tool set for BENZ



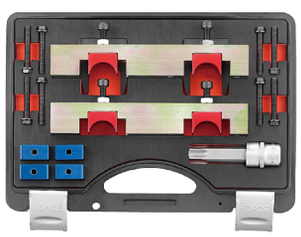
9G1215 P.1-31

BENZ flywheel locking tool



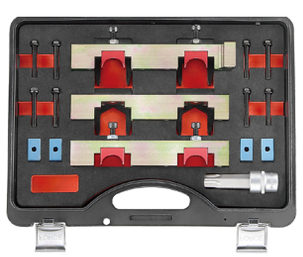
915G6 P.1-32

Engine timing tool set for BENZ M133, M270



916G7 P.1-32

Engine timing tool set for BENZ M133, M270, M274



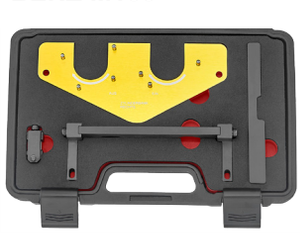
903G21 P.1-33

Engine timing tool set for BENZ M651



904G19 P.1-33

Engine timing tool set for BENZ M156



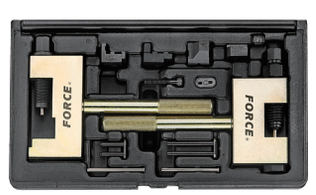
9G0810 P.1-34

Belt tensioner tool for BENZ



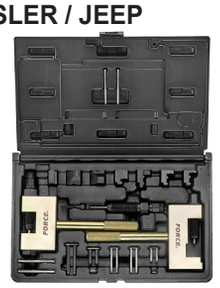
912G13 P.1-34

Diesel engine timing chain tool kit for MERCEDES BENZ / CHRYSLER / JEEP



922G7 P.1-34

Diesel engine timing chain tool kit for MERCEDES BENZ / CHRYSLER / JEEP



674 P.1-68

2pc M10 Alternator tools



678 P.1-68
2pc T50 Alternator tools



907G3 P.1-64
7pc BENZ & BMW Fan service wrench set



9G1219 P.1-59
Crankshaft pulley holder tool for BENZ M272, M273



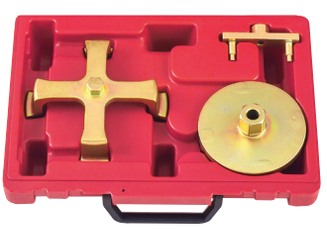
9G1803/9G1804 P.1-149
Transmission oil gauge



9G1805/9G1806 P.1-150
Oil gauge



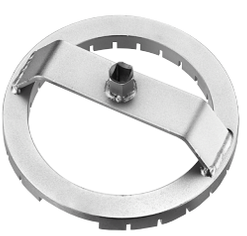
903U2 P.1-156
3pc Fuel tank cap wrench for BENZ



9G0725 P.1-156
Fuel tank lid remover/installer for BENZ (W211, W203)/ BMW (E36, E46)



9G0720 P.1-157
Fuel tank lid wrench for BENZ (W164, W166, W251)



903G19 P.1-105
Diesel injector nozzle extractor set



903G17 P.1-107
Injector nozzle extractor with spindle



903G25 P.1-153
Injector nozzle tool set for BENZ



9G0121 P.1-110
33 Teeth socket diesel injection pump for Mercedes



9G0122 P.1-110

Diesel pre-chamber collar nut socket for Mercedes



909G5 P.1-108

Injector extractor with slide hammer for DB CDI-engines



61935 P.1-141

Oil filter wrench for BENZ/DODGE/JEEP



6318514 P.1-140

Oil filter wrench for MERCEDES-BENZ



62820 P.3-61

1/2" DR. BENZ (W163, W164) Pin wrench socket



902B1 P.3-35

2pc Wheel stud alignment guide tool set



902B2 P.3-35

2pc Wheel stud alignment guide tool set



908B3 P.3-35

8pc Wheel stud alignment guide tool set



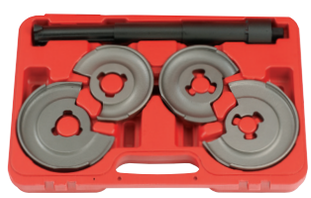
9T0206 P.3-30

Wheel nut socket for Mercedes Benz



905T3 P.3-66

Spring compressor for MERCEDES



9T0307 P.3-36

BENZ Bush remover / installer



9T0304 P.3-69

BENZ W220 Shock absorber service tool set



9T0311 P.3-36

BENZ Axles wheel bearing extractor / installer



912T7 P.3-36

Rear sub-frame bush remover / installer for BENZ



921T2 P.3-37

Sub-frame bush remover / installer for BENZ



909T8 P.3-36

Differential bush remover / installer for BENZ



9T1401 P.3-69

BENZ (W203) Strut nut socket



9T1402 P.3-69

BENZ (W220) Strut nut socket



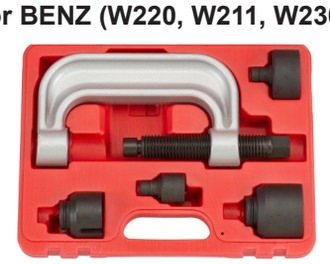
905T7 P.3-60

5pc 1/2"DR. Drive tooth socket for MERCEDES



905T10 P.3-61

Ball-joint installer/remover for BENZ (W220, W211, W230)



927T1 P.3-43

Professional wheel bearing tool set for BENZ



9T1407 P.4-2

BENZ Axle nut socket 95mm



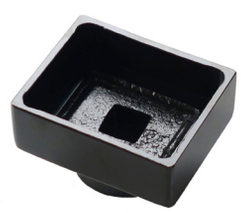
9T1408 P.4-2

BENZ Rear axle nut socket 105-125 mm



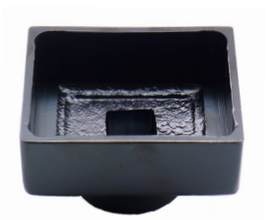
9T1424 P.4-3

BENZ & MAN Clamp nut socket 56mm



9T1425 P.4-3

BENZ & MAN Clamp nut socket 60mm



9T1426 P.4-2

BENZ & MAN Rear axle nut socket 80-95 mm



9T1427 P.4-3

BENZ & MAN Rear axle nut socket 95-115 mm



6281842 P.4-4

3/4"DR. BENZ & MAN Pitman arm puller 42mm



46611030 P.4-1

3/4"DR. BENZ Star impact socket (E30)



61939 P.4-4

BENZ Truck filter wrench 46mm



9T1426 P4-2

BENZ & MAN Rear axle nut socket 80-95 mm



9T1427 P4-3

BENZ & MAN Rear axle nut socket 95-115 mm



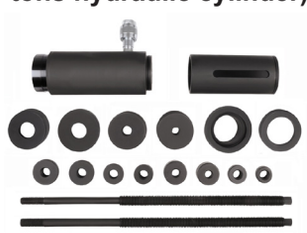
9T1424 P4-3

BENZ & MAN Clamp nut socket 56mm



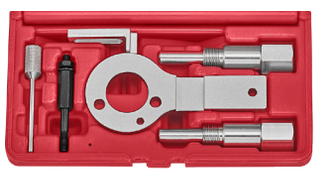
919T2 P.4-20

Truck spring pin metal bush remove/install set (17 tons hydraulic cylinder)



905G16 P.1-13

Engine timing tools set for VAUXHALL / OPEL diesel 1.9 2.0 CDTI



908G12 P.1-15

Engine timing tool set for RENAULT / NISSAN / OPEL 2.0 DCI / CDTI



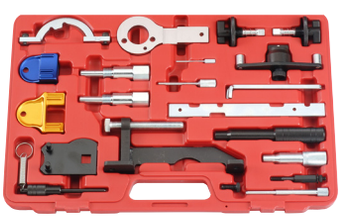
88442 P.1-96

11pc Deluxe noid lite / IAC test kit plus one fibre optic noid lite extension



920G2 P.1-27

Engine timing tool set for VAUXHALL / OPEL



906G9 P.1-70

Puller, Harmonic damper pulley (CHRYSLER, GM)



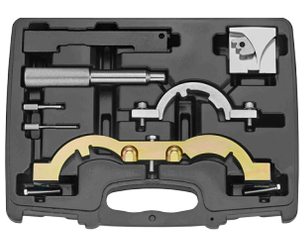
907G12 P.1-65

Power steering pump pulley kit



907G18 P.1-13

Engine timing tool set for VAUXHALL / OPEL 1.0, 1.2, 1.4, 1.6



9G0802 P.1-73

Belt tensioning adjuster



9G0710B P.1-87

Viscous fan spanner



904G5 P.1-14

Engine timing tool set for VAUXHALL / OPEL / SUZUKI / FIAT 1.3 CDTI



9G0803 P.1-73

Belt tensioning adjuster



63303 P.1-160

Diesel injection priming tool



908T6 P.3-40

Rear suspension tool for GM VECTRA



908T7 P.3-40

Rear axle bush installation / removal tool set for VAUXHALL / OPEL VECTRA



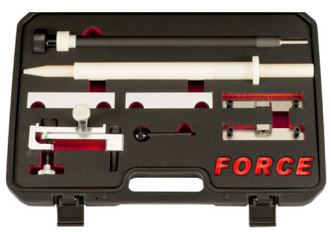
65014 P3-13

1/2"DR. Pentagon socket 14mm



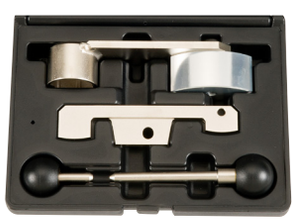
908G17 P.1-54

Engine timing tool set for PORSCHE Boxster, 911



903G22 P.1-55

Engine timing tool set for PORSCHE



9G0809 P.1-75

Pneumatic chain tensioner for PORSCHE



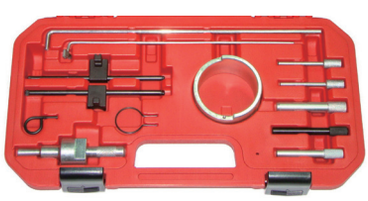
935G1 P.1-55

Engine timing tool set for CITROEN / PEUGEOT



911G7 P.1-56

Engine timing tool set for CITROEN / PEUGEOT



910G3 P.1-105

Diesel injector nozzle extractor set (PSA HDI engines)



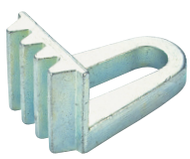
9G0123 P.1-111

Diesel fuel filter socket (HDi engines)



9G0605 P.1-12

Flywheel holding tool



904G13 P.1-104

4pcs Injection nozzle socket



9G0727 P.1-158

Fuel filter wrench 108mm



61938 P.1-146

Plastic oil drain plug driver tool for FORD / PEUGEOT / CITROEN



904G22 P.1-146

Plastic oil drain plug driver tool set



65019 P.3-13

1/2"DR. Pentagon socket 19mm



920T2 P.3-43

Professional wheel bearing tool set for PEUGEOT / CITROEN / RENAULT



9T1482 P.3-62

Lower ball joint socket for PEUGEOT / CITROEN



9T0319 P.3-47

Wheel bearing circlip pliers



9G0619 P.1-61

Camshaft pulley holder for SUBARU



9G0620 P.1-61

Camshaft pulley holder for SUBARU



9G0621 P.1-61

3 in 1 Camshaft pulley holder for SUBARU



903G28 P.1-89

Vacuum-type cooling system filler kit for Tesla



902T5 P3-10

Brake pressure bleeder adapter set for TESLA



917G1 P.1-15

Engine timing tool set for RENAULT



905G20 P.1-15

Engine timing tool set for RENAULT



908G12 P.1-15

Engine timing tool set for RENAULT / NISSAN / OPEL 2.0 DCI / CDTI



911G5 P.1-14

Engine timing tool set for RENAULT / VAUXHALL / OPEL / NISSAN



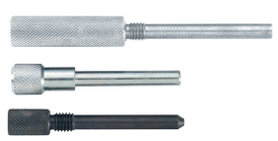
902G5 P.1-16

Engine timing locking tools for RENAULT



903G5 P.1-16

Engine timing tool set for RENAULT 1.5, 1.9 DCI



907G15 P.1-16

Engine timing tool set for RENAULT 1.8 / 2.0 16V



9G0727 P.1-158

Fuel filter wrench 108mm



65019 P.3-13

1/2"DR. Pentagon socket 19mm



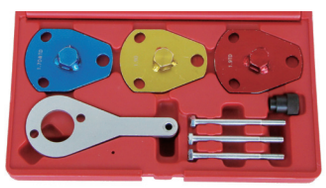
920T2 P.3-43

Professional wheel bearing tool set for PEUGEOT / CITROEN / RENAULT



907G16 P.1-57

Engine timing tool set for FIAT



910G7 P.1-27

Engine timing tool set for FIAT / ALFA ROMEO



903G23 P.1-57

Engine timing tool set for FIAT / ALFA ROMEO



910G10 P.1-58

Engine timing tool set for FIAT / ALFA ROMEO



9G0123 P.1-111

Diesel fuel filter socket (HDi engines)



934G1 P.1-56

Engine timing tool set for FIAT



Ford

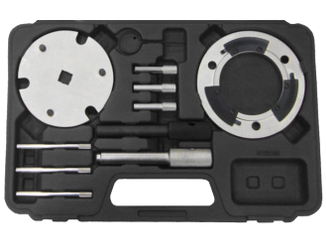
905G8 P.1-17
Timing locking tools for FORD



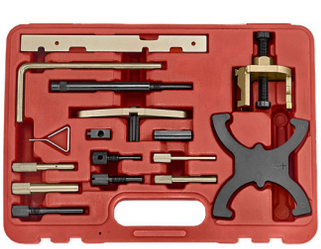
922G2 P.1-17
Engine timing tool set for FORD / MAZDA



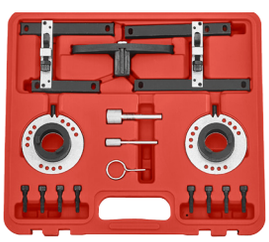
911G6 P.1-17
Engine timing tool set for FORD



916G5 P.1-18
Engine timing tool set for FORD



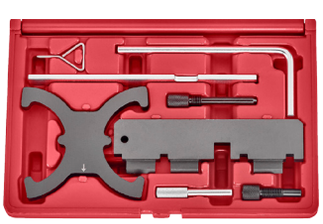
916G6 P.1-18
Engine timing tool set for FORD 1.0 Ecoboost



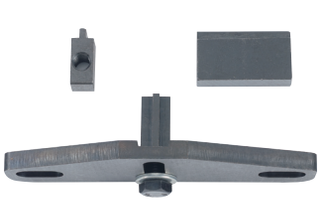
905G22 P.1-19
Engine timing tool set for FORD 2.0 Ecoboost



907G21 P.1-19
Engine timing tool set for FORD 1.6 Ecoboost



903G11 P.1-20
Engine timing tool set for FORD



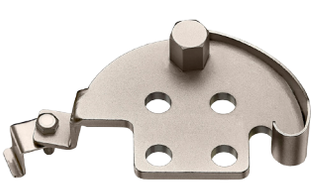
904G6 P.1-20
Engine timing tool set for FORD / MAZDA / VOLVO



907G12 P.1-65
Power steering pump pulley kit



9G0814 P.1-77
FORD / VOLVO Stretchy belt fitting kit



9G0729 P.1-83
Heater hose disconnect tool for FORD



9G0710 / 9G0710B P.1-87

Viscous fan spanner



9G0731 P.1-87

Radiator / Coolant cap wrench for FORD / LAND ROVER / MAZDA / VOLVO



63302 P.1-160

Fuel transfer tool



9G0123 P.1-111

Diesel fuel filter socket (HDi engines)



9G0123A P.1-111

Diesel fuel filter socket for FORD



61927 P.1-138

Oil filter wrench -27mm



904G22 P.1-146

Plastic oil drain plug driver tool set



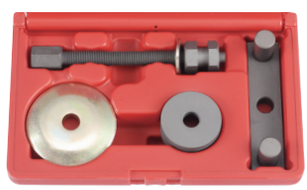
61938 P.1-146

Plastic oil drain plug driver tool for FORD / PEUGEOT / CITROEN



905T5 P.3-39

Sub frame bush remover (FORD MONDEO)



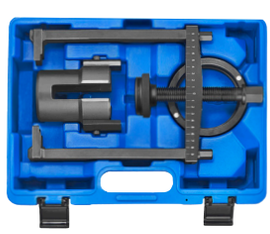
904T10 P.3-39

Rear trailing arm bushing remover / installer for FORD / MAZDA / VOLVO



903T8 P.3-40

Rear trailing arm bush remover / installer for FORD / VOLVO



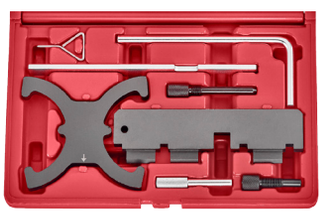
913T2 P.3-42

Wheel hub and wheel bearing extraction & installation set for FORD / VOLVO / MAZDA



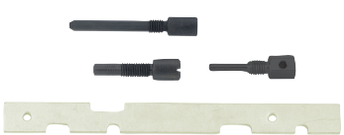
907G21 P.1-19

Engine timing tool set for FORD 1.6 Ecoboost



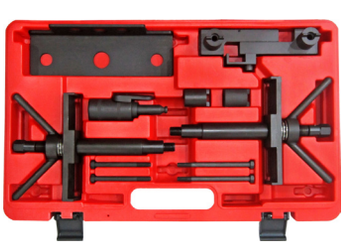
904G6 P.1-20

Engine timing tool set for FORD / MAZDA / VOLVO



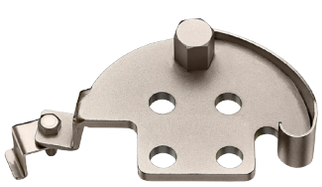
912G10 P.1-58

Engine timing tool for VOLVO



9G0814 P.1-77

FORD / VOLVO Stretchy belt fitting kit



9G0731 P.1-87

Radiator / Coolant cap wrench for FORD / LAND ROVER / MAZDA / VOLVO



9G0123 P.1-111

Diesel fuel filter socket (HDi engines)



61937 P.1-158

Diesel filter wrench for VW / VOLVO



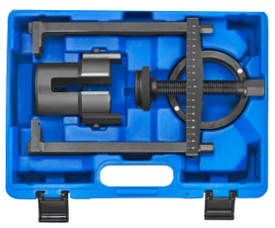
904T10 P.3-39

Rear trailing arm bushing remover / installer for FORD / MAZDA / VOLVO



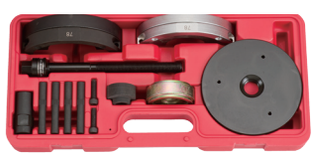
903T8 P.3-40

Rear trailing arm bush remover / installer for FORD / VOLVO



913T2 P.3-42

Wheel hub and wheel bearing extraction & installation set for FORD / VOLVO / MAZDA



9K0102 P4-14

1/2"DR. VOLVO Camshaft rotator tool



9K0103 P4-14

VOLVO Flywheel turning tool



9T1440 P4-15

VOLVO / SCANIA Wheel shaft cover socket 115 mm



9T1441 P4-15

VOLVO Truck axle nut socket 105mm



9T1442 P4-15

VOLVO Truck axle nut socket 95mm



9T1443 P4-16

VOLVO King pin upper cover socket 80mm



9T1445 P4-16

VOLVO Rear wheel shock absorber spring washer removal socket



9T1446 P4-16

VOLVO Front wheel shock absorber spring washer removal socket



9T1447 P4-17

VOLVO Truck shock absorber upper base nut extractor / installer



9T1448 P4-17

VOLVO Truck front / rear brake shoe lining inside caliper



9T1449 P4-17

VOLVO Truck fan bearing base socket



62115 P4-18

VOLVO (FM12) valve spring compressor tool



VOLVO

IVECO

SCANIA

904T9 P4-18

VOLVO (FM12) truck injector sleeve remover / installer set



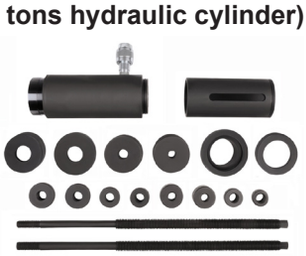
9G0735 P4-18

VOLVO Radiator quick adaptor



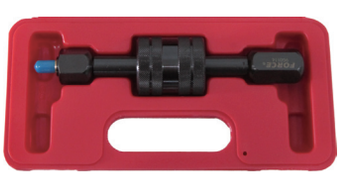
919T2 P.4-20

Truck spring pin metal bush remove/install set
(17 tons hydraulic cylinder)



9G0114 P4-28

Diesel injector puller



9T1405 P4-1

IVECO Axle nut socket 110mm



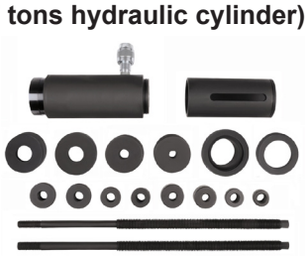
9T1406 P4-1

IVECO Axle nut socket 98mm



919T2 P.4-20

Truck spring pin metal bush remove/install set
(17 tons hydraulic cylinder)



9T1422 P4-10

SCANIA Front wheel nut socket 80mm



9T1423 P4-10

SCANIA Front wheel nut socket 100mm



9T1421 P4-11

SCANIA Transmission clutch front main shaft socket



9T1436 P4-11

3/4"DR. SCANIA Front - wheel shock absorber spring socket



9T1437 P4-11

3/4"DR. SCANIA Rear axles damper rod socket



9T1438 P4-12

3/4"DR. SCANIA Rear wheel shock absorber spring socket



6281858 P4-12

3/4"DR. SCANIA Pitman arm puller 58mm



466110 P4-12

3/4"DR. SCANIA Star impact socket
Size: E28; E32



9K0101 P4-13

1/2"DR. SCANIA Truck camshaft rotator tool



9G0733 P4-13

SCANIA Radiator quick adapter



9T1439 P4-13

Caliper adjuster socket 24mm



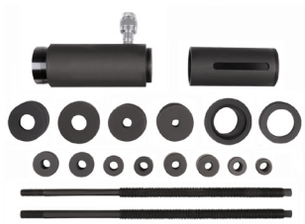
9T1440 P4-15

VOLVO / SCANIA Wheel shaft cover socket 115 mm



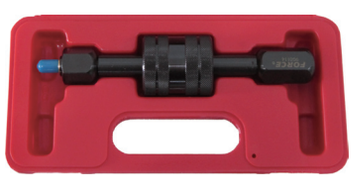
919T2 P.4-20

Truck spring pin metal bush remove / install set
(17 tons hydraulic cylinder)



9G0114 P4-28

Diesel injector puller



MAN

9T1425 P4-3

BENZ & MAN Clamp nut socket 60mm



6281842 P4-4

3/4"DR. BENZ & MAN Pitman arm puller 42mm



9T1410 P4-4

MAN TGA Drive axle nut socket 133-145 mm



9T1409 P4-5

MAN TGA Front axle nut socket 133-145 mm



9T1411 P4-5

MAN TGA Front axle nut socket 101-110 mm



9T1412 P4-5

MAN Truck transmission socket 53.5mm



9T1429 P4-6

MAN Front wheel hub extractor tool 115mm



6281867 P4-6

3/4"DR. MAN Pitman arm puller 67mm



466110 P4-6

3/4"DR. MAN Star impact socket for HGV Cylinder head bolt Size: E18; E20; E22; E24



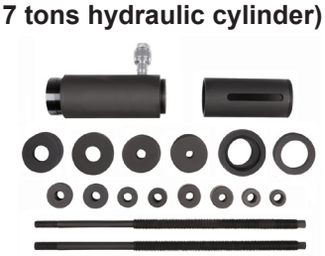
793A6 P4-25

3/4"DR. Slugging wrench for brake caliper screw Size: E18; E20; E24



919T2 P.4-20

Truck spring pin metal bush remove / install set (17 tons hydraulic cylinder)



9T1417 P4-7

BPW Rear hubcap nut socket 111mm



9T1420 P4-7

BPW Rear hubcap nut socket 95mm



9T1416 P4-7

BPW Rear hubcap nut socket 120mm



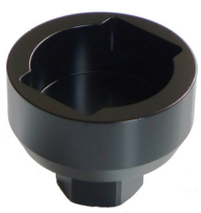
9T1418 P4-8

BPW Rear hubcap nut socket 109mm



9T1419 P4-8

BPW Axle nut socket 65mm



9T1430 P4-8

BPW Axle extractor 135mm



9T1431 P4-9

BPW Axle extractor 136mm



9T1432 P4-9

BPW Axle extractor 155mm



9T1433 P4-9

BPW Axle extractor 125mm



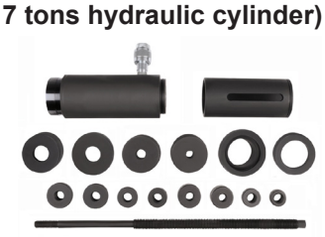
9T1435 P4-10

3/4"DR. Wheel capsule and axle nut socket



919T2 P.4-20

Truck spring pin metal bush remove / install set (17 tons hydraulic cylinder)







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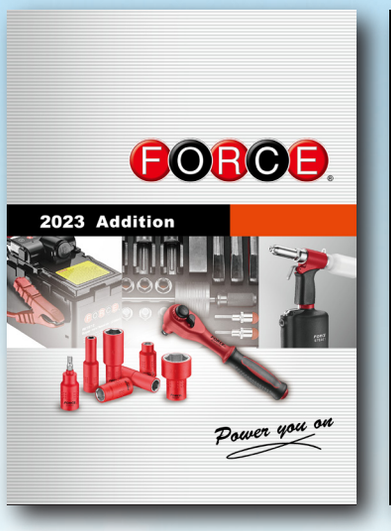


2023 Addition

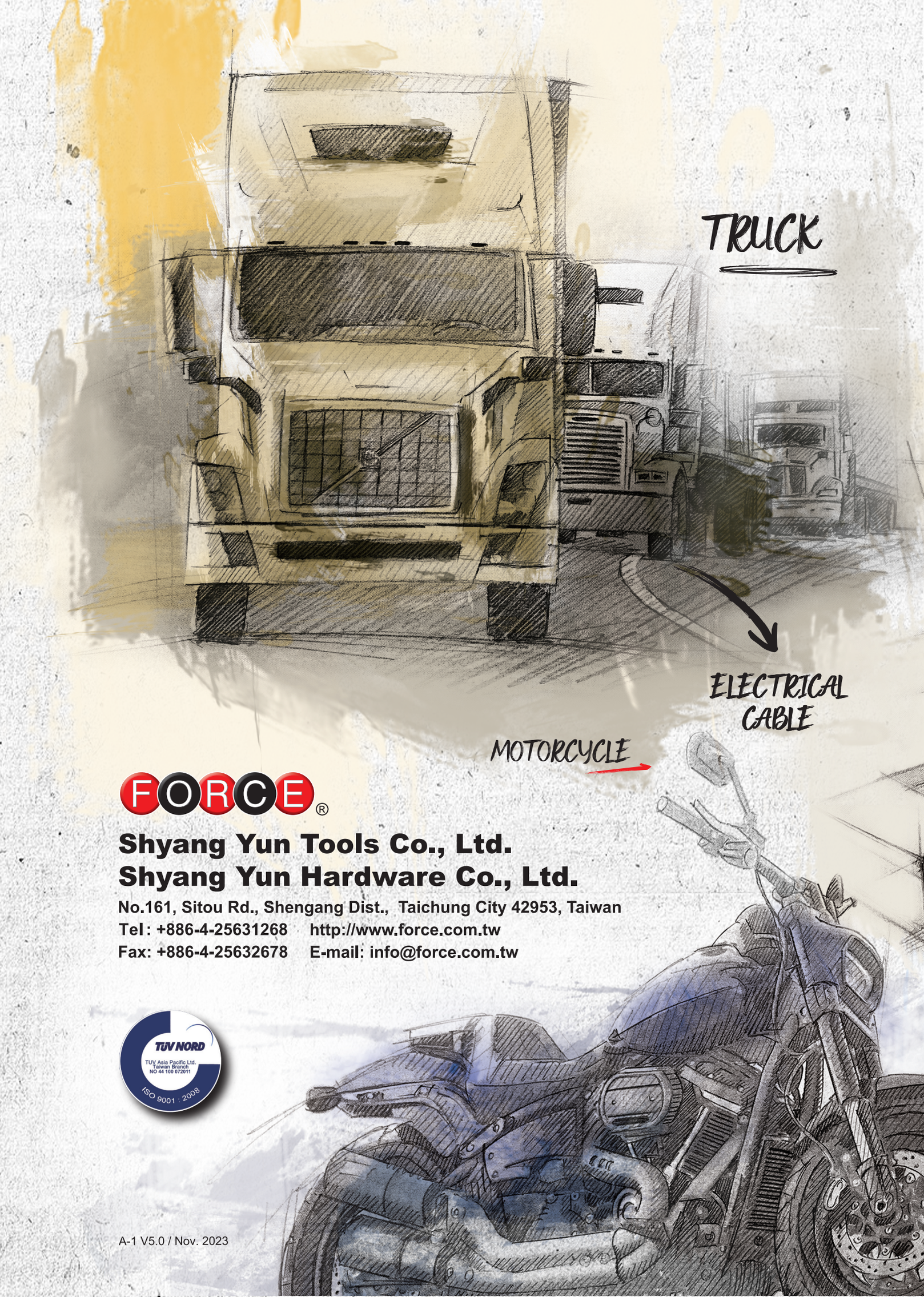


Tool storage V6



2020 Tool Assembly





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