



Engine

1-1 Ignition system tool



1-10 Timing tool



1-59 Pulley hold tool



1-65 Pulley puller tool



1-71 Clutch alignment tool



1-72

1-72 **Engine belt tool**



1-117 **Engine valve tool**



1-166 **Seal tool**



1-78 **Hose tool**



1-125 **Cylinder / Piston tool**



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



1-87 **Cooling system tool**



1-131 **Oil filter / Drain plug / Funnel**



1-171 **A/C tool**



1-91 **Tester tool**



1-150 **Fuel tool**



1-176

1-100 **Diesel engine tool**



1-163 **Oxygen sensor / Air bag tool**



1-116

1-166



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 (250mmL)	
	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



ENGINE





63001 / 63002 / 63003

Part no.	Thread		
	mm	packing	g
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



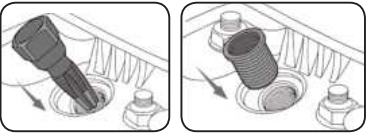
64101

 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

		<i>l</i>		
Part no.	socket	mm	g	pc/box
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

		<i>l</i>		
Part no.	socket	mm	g	pc/box
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

		<i>l</i>		
Part no.	socket	mm	g	pc/box
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

		<i>l</i>		
Part no.	socket	mm	g	pc/box
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

8073...UM		<i>l</i>		
Part no.	socket	mm	g	pc/box
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

8074...UM		<i>l</i>		
Part no.	socket	mm	g	pc/box
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

8073...B		<i>l</i>		
Part no.	socket	mm	g	pc/ctn
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

8073...BM		<i>l</i>		
Part no.	socket	mm	g	pc/ctn
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**

		<i>l</i>		
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**

		<i>l</i>		
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**

		<i>l</i>		
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**

		<i>l</i>		
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

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

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

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

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

Part no.	socket	mm	g	pc/box
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

Part no.	socket	mm	mm	g	pc/box
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-ZYL, 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**

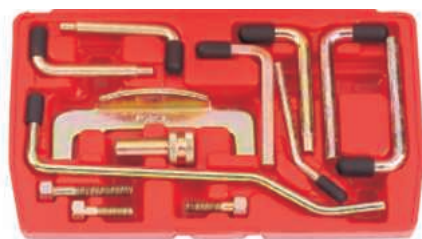
12/11.4/12.4/1.3'

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

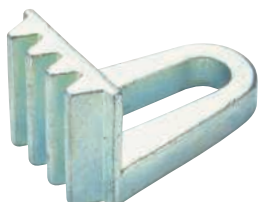
60/3.75/4.75/3.3'

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, Zafira

(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

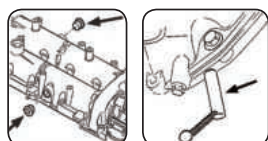
2011-2016 Ampera 2010-2017 Meriva-B

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



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+

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

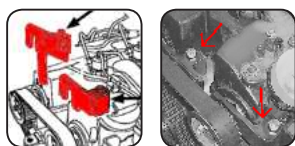
Fiat: 2007-2016 500	2003-2016 Panda
2004-2010 Doblo/Cargo	2003-2011 Punto
2008-2016 Fiorino	2009-2014 Punto Evo
2007-2011 Linea	2008-2016 Qubo
2005-2011 Grande Punto	

Ford: 2009-2015 Ka

Vauxhall/Opel:

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

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



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

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

Nissan:

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

Engine timing tool set for RENAULT

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
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Engine timing tool set for RENAULT

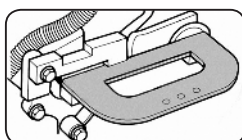
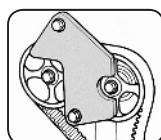
905G20



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

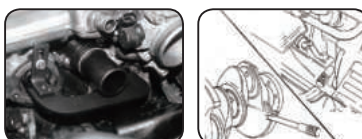
902G5

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



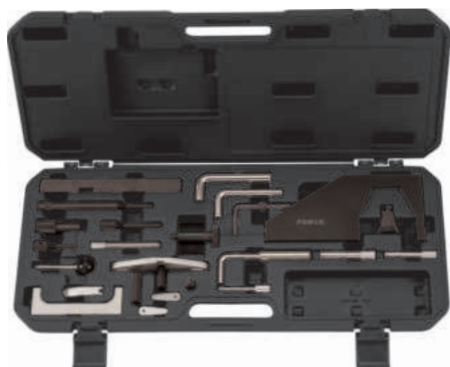
905G8

 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 Focus

2012-2017 C-Max 2012-2017 Grand C-Max

2013-2016 Connect 2015-2017 Mondeo

2012-2016 Courier 2013-2015 Tourneo Connect

2013-2017 Ecosport 2015-2017 Transit Connect

2013-2017 Fiesta



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

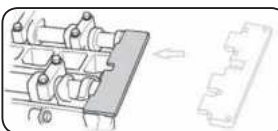
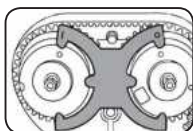


907G21

 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	

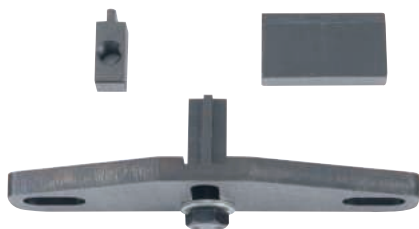


Engine timing tool set for FORD

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



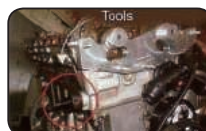
Engine timing tool set for BMW M52, M54, M56



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 sprocket 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

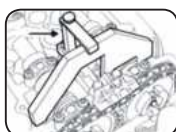


905G17

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



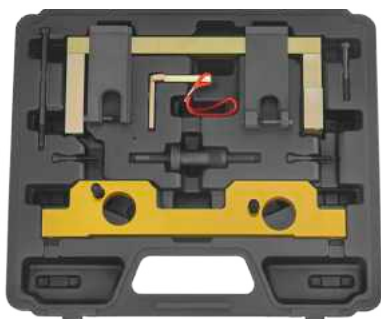
906G8

 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

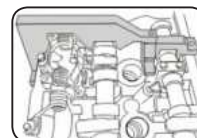


908G16

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

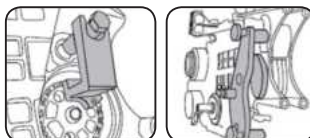


911G11

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



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



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
1985-1992 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
1985-1992 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

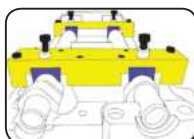
- Special design for positioning the camshaft in TDC position.

- 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

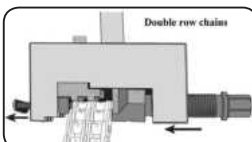
NEW



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

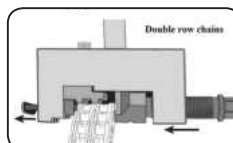
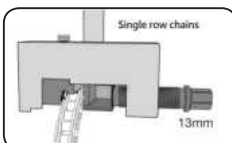
NEW



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

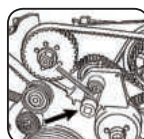
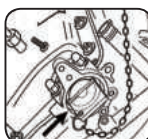


908G5

 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'

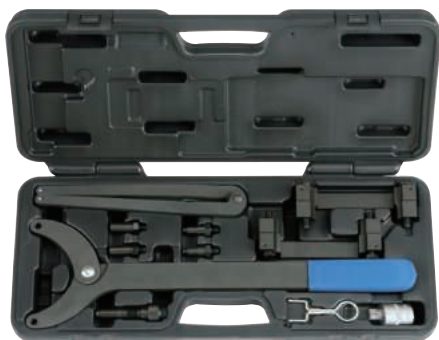


4230g

- 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

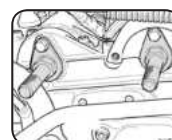
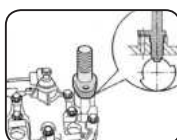


12/8.5/9.5/0.72'



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





906G6

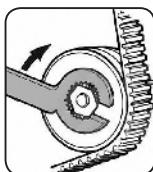


10/15/16/1.31'

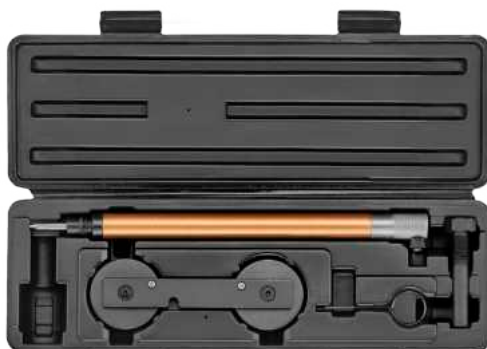


1500g

- 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, BJJ, 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



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, 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, CJK, CJKB, CJXA, CJXB, CJXC, 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 Spaceback
	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



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

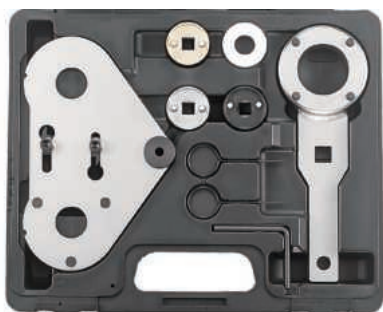
Skoda:	2010-2015 Fabia II	2010-2015 Roomster
	2008-2013 Octavia II	2008-2015 Superb II
	2010-2015 Praktik	2009-2017 Yeti

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 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

Engine timing tool set for VAG



- Engine codes:

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

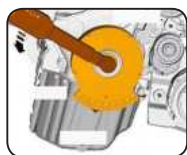
909G10

 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

Timing chain elongation testing gauge for VAG



- Engine codes:

CJZA, CJZB, CJZC, CJZD, CGGA,
CGGB, CHPA, CMBA, CPVA,
CPVB, CRJA, CXSA, CPTA

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
	2012-2015 A1 Sportback
Seat:	2012-2017 Ibiza
	2012-2015 Leon
Skoda:	2010-2015 Fabia II
	2014-2017 Fabia III
	2010-2013 Octavia II
	2010-2015 Octavia III
VW:	2008-2015 Golf VII
	2008-2017 Golf VII Estate
	2012-2018 Jetta

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

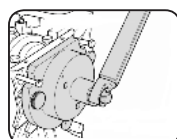
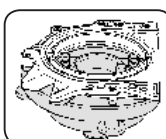


6/11.5/12.0/0.9'



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



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'



 212a



- 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

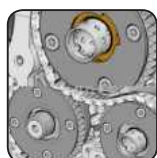


- Special groove nut socket to turn the camshaft adjuster into position.
- Camshaft adjusting socket used to adjust variable valve timing on the exhaust side camshaft to basic position.
- Application: Audi 3.0L 6-cylinder petrol engines in:
Audi: A4 (02-05), A6 (02-04)
- Engine codes: AVK, BBK



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





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
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- 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
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- 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



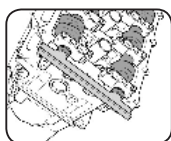
902G16

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



ENGINE



■ 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	

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	

Seat:

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

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	



ENGINE





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



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

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	

Locking tool set for VAG



Contents:

- 1pc Injection pump locking pin
- 1pc Tensioner locking tool
- 1pc Crankshaft locking tool

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

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, CJKK, 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 2014-2017 S1
2007-2017 A3 2013-2017 S3

2007-2017 A4

2007-2017 A5

Seat:

2012-2017 A6 2006-2015 Altea
2014-2017 A7 2010-2013 Exeo
2012-2014 A8 2015-2017 Ibiza
2011-2017 Q3 2007-2017 Leon
2008-2017 Q5 2007-2017 Toledo
2008-2017 TT
2015-2017 Q7

Skoda:

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

VW:

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

Engine timing tool set for PORSCHE Boxster, 911



908G17

3/17.2/18.2/2.2'

5730g

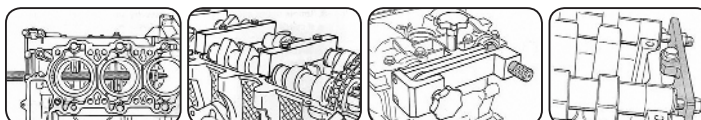
- Comprehensive 8-piece tool kit to establish proper engine timing when performing major engine/ valve train service.

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

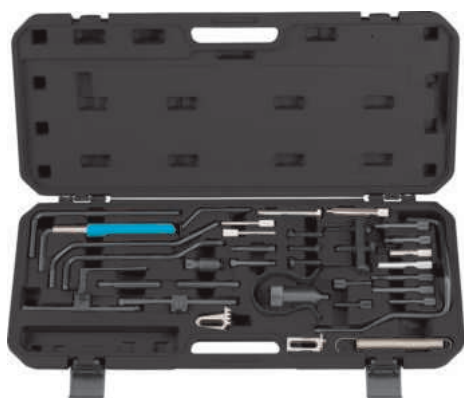
 10/10/11/10.8"

 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, Temptra, 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 Temptra 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 2005-2012 Panda EVO2
2007-2015 500C 2012-2015 Punto
2005-2010 Doblo/Cargo 2009-2012 Punto EVO
2009-2015 Fiorino 2009-2015 Qubo
2007-2012 Grande Punto 2000-2011 Seicento/600
2005-2012 Idea
2007-2011 Linea
2009-2013 Panda/Panda Classic
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 2007-2011 Linea
2004-2010 Doblo/Cargo 2003-2016 Panda
2008-2016 Fiorino 2003-2011 Punto
2005-2011 Grande Punto 2009-2014 Punto Evo
2004-2011 Idea 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'

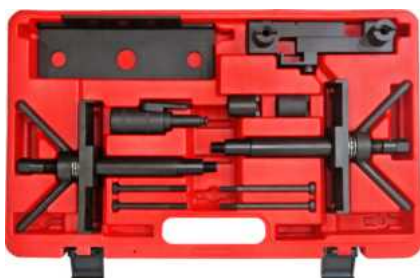


1080g

- 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



ENGINE



■ 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 latches & 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.



ENGINE



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

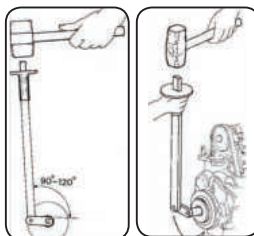


9G0712

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.



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'

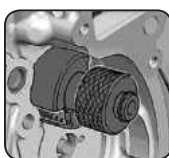
1510g

- 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, 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, CJK, CJKB



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 M10x 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 T50x 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
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- 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

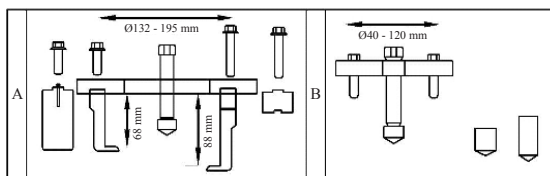


909G2

 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

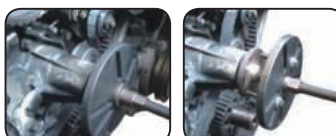


945G1

 6/14.6/15.6/1.3'

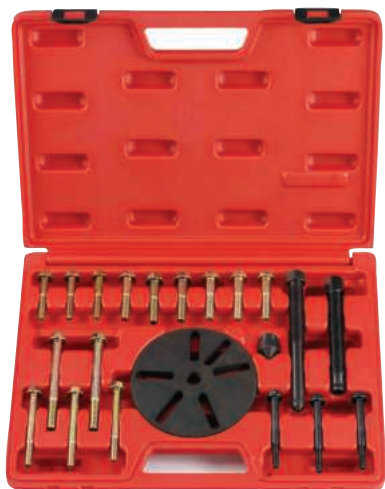
 2430g

- 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:

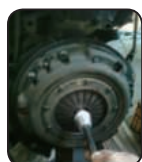
7pc Fractional pilot adapter

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

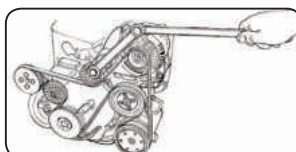


913T1

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

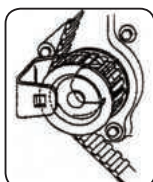


48/13.9/14.9/2.0'



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

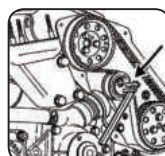
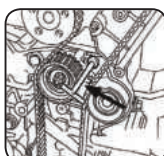


10/14/15/1.2'

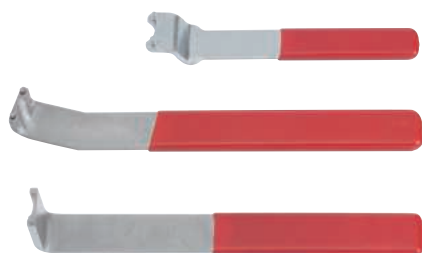


1330g

- 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:

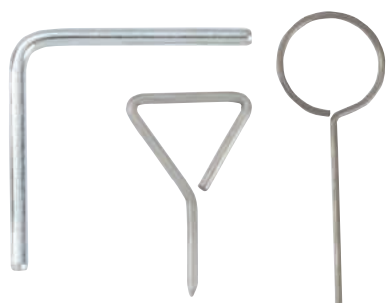
Audi: 80, 100, A3, A4, A6 1.6, 1.8/Turbo, 2.0, 2.0 16v, A3, A4 1.6 (96-)

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

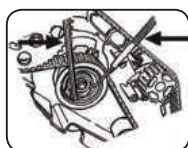
diesel engines: 1.2, 1.4, 1.9, 2.0 TDI PD



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, CJCБ, 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

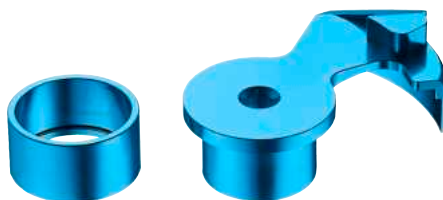
 30/10.8/11.8/0.99'  360g

- 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



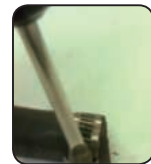
6/15.9/16.9/3.0'



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.





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

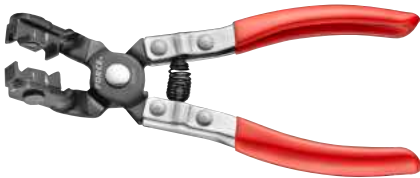


62528	<i>l</i>		
Part no.	mm	packing	g
6252807	180	30/8.4/9.4/0.73'	280
6252809	230	30/13.8/14.8/1'	460

- 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

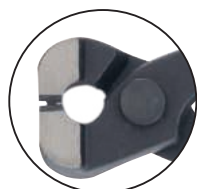
50/13/14/1'

 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



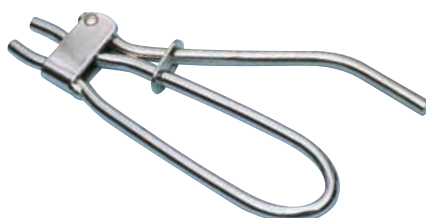
9G0106

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.



ENGINE





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.



Part no.	<i>l</i>
	inch
9G0112A	8
9G0112B	10
9G0112C	12

Locking pinch-off pliers

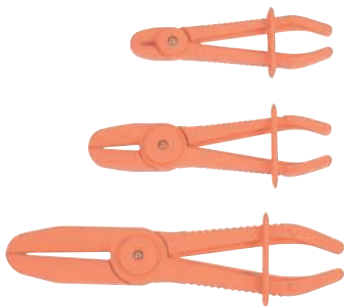


9G0115	1		
Part no.	mm	packing	g
9G0115	280	40/19/20/1.3'	475

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



3pc Hose pinching pliers



903G12	 60/18/19/3.6'	 300g
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- 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°



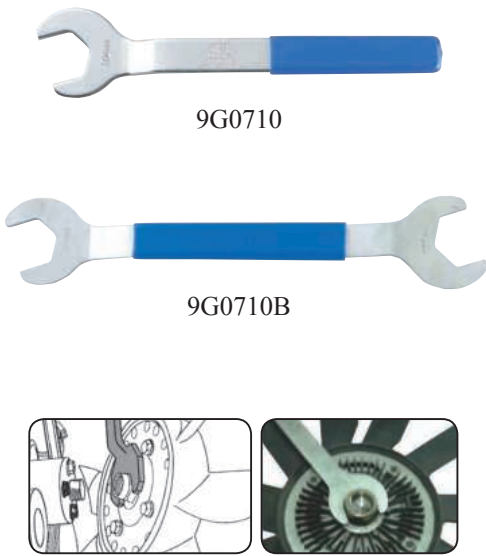
903G18	 24/9/10/2.4'	 375g
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- Made of heat resistant nylon.
- Rounded jaw edges prevent damage to internal hose reinforcement.
- Features locking mechanism for simple one-handed use.
- Suitable for brake, coolant, fuel & vacuum hoses.



ENGINE





9G0710 / 9G0710B

Part no.	Size		
	mm	packing	g
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

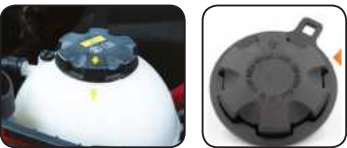
NEW



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



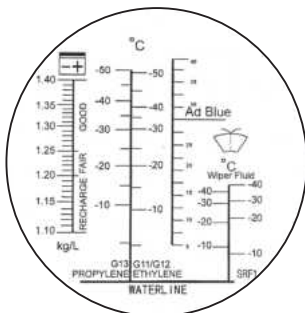
9G0731

 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

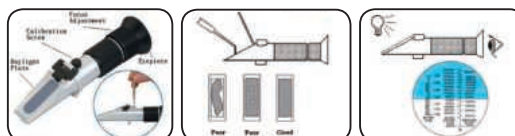


9G0303

40/16/18/1.8'

400g

- Testing range:
Ethylene glycol: -50~0 °C
Propylene glycol: -50~0 °C
Battery fluid: 1.100~1.400 sg
Cleaner: -40~0 °C
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 CO₂ test liquid is checking volume of CO₂ 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 CO₂ 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

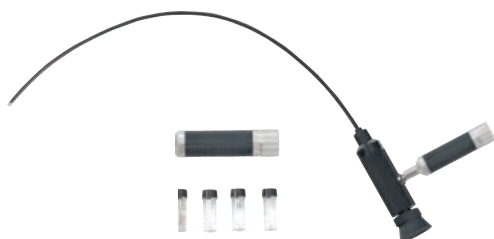
2/8.5/9.5/2.0'

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°)



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 & identify 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

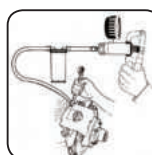


908G8

 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/cm²

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



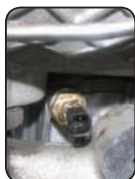
909G1

 8/13.5/14.5/2.0'

 1688g

- Gauge: 0-300 PSI, 0-21 kg/cm², 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, Chrvsier 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 adapters 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, Peufteot, 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 adapters 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
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)



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/cm²
Vacuum: 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



ENGINE



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 jacketed pressure hose assembly.
- Dual scale 0-1,000 psi;
Metric scale 0-70 bar.
13 piece adapter set
(Deere & BMW adapters included)



ENGINE



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 Düse.
- 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, Fiat, 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/cm² (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, Fiat, 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.



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	<i>l</i>
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 dismantling 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: 350mmL
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 1.0 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
 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'

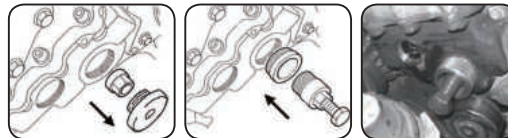
980g

- **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 model 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

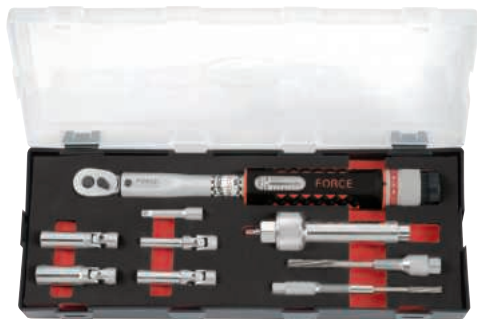
 6/11.1/12.1/1.4'

 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.

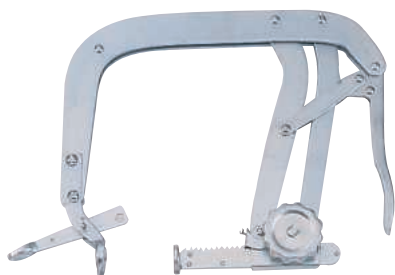


Valve spring compressor

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 adaptor: 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 adaptor: 25 mm, 30 mm
- Jaw opening 35-142 mm, Throat clearance 150 mm.



Valve spring compressor set

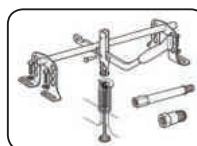
62105

 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 petrol 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 petrol 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/cm².
(85 psi to 100 psi)

Contents:

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



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)



Part no.	size	mm	g	Applications
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

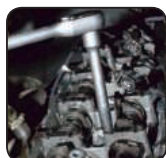


Part no.	size	mm	g	pc/box
34914010V	M10	140	134	10

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



1/2"DR. Star deep socket



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** (#220 grit)
- 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"

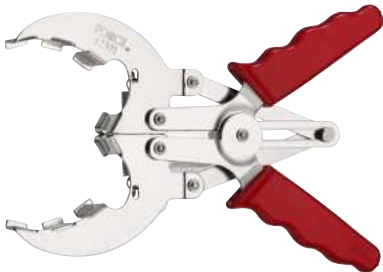
Piston ring compressor



620	$\varnothing$	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

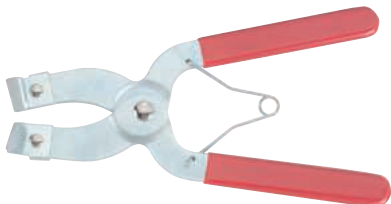


623	w	l		
Part no.	mm	inch	packing	g
62301	55-100	3	50/15.0/16.0/2.2'	330
62302	110-160	3	50/18.5/19.5/3.0'	420
62303	80-120	2.5	50/8.5/9.5/2.2'	170

- **62302** is applied to truck.



Piston ring installer



62002	 144/18/19/2.0'	 135g
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- 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

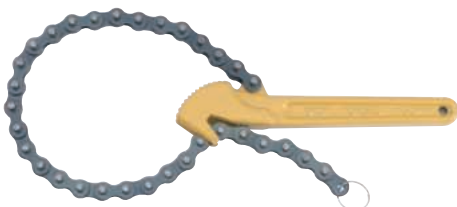
 20/15.7/16.7/1'

 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.



ENGINE





619	<i>l</i>		
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)





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-gripping 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



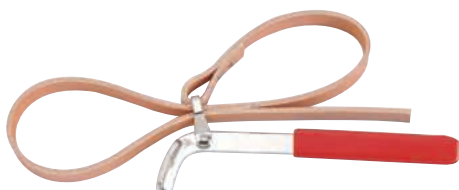
61913

 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.

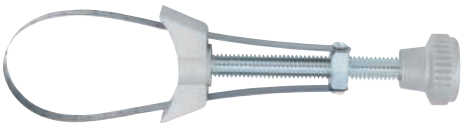




61906	<i>l</i>		
Part no.	mm	packing	g
61906073	2-3/8" to 2-7/8" (60 mm - 73 mm)	36/12.0/13.0/2.6'	335
61906085	2-7/8" to 3-3/8" (73 mm - 85 mm)	36/13.4/14.4/2.6'	372
61906095	3-3/8" to 3-3/4" (85 mm - 95 mm)	36/14.0/15.0/2.6'	389
61906111	3-3/4" to 4-3/8" (95 mm - 111 mm)	36/14.7/15.7/2.6'	408



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



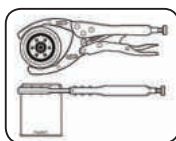
639	Size	<i>l</i>		
Part no.	mm	inch	packing	g
639250	60-90	10	60/21.2/22.0/2.1'	354
639300	85-115	12	60/22.7/23.7/2.5'	379
639365	100-140	14	20/11.0/12.0/1.1'	550



Oil filter master pliers



639230	Size	<i>l</i>		
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
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- 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



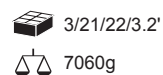
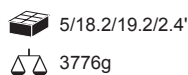
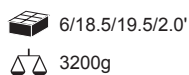
631

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.



61917



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, Saturn, 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, Temptra, 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



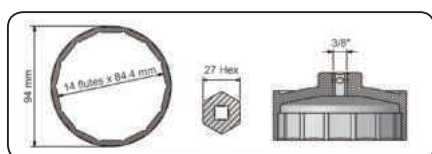
631B02

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



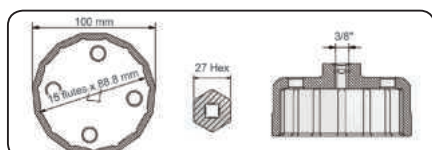
6318514

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



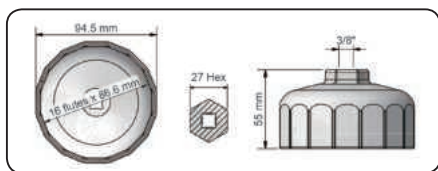
6318915A

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



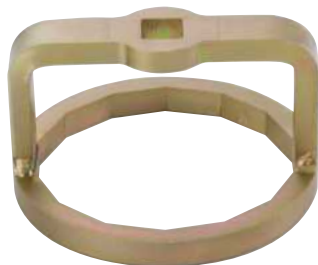
40/9.2/10.2/2.9'



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 10mm 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

915G2

10/20/21/1.3'

750g

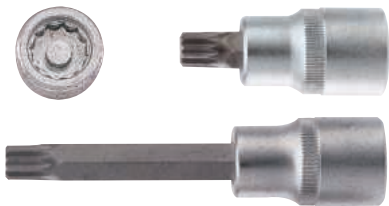


- The drain nut set has different external shape to fit different requirements.
- We offer also the drain nut set without driver.

- 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		<i>l</i>		
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

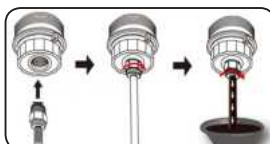
61923

 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.

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



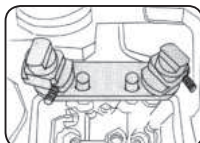
Fuel injector remover / installer tool for BMW N55



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

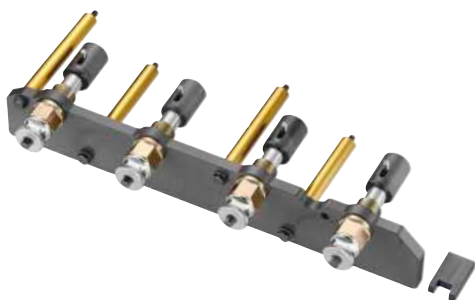
 10/6.32/7.32/0.64'  632g

- 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

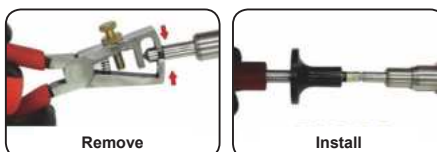


908G10

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

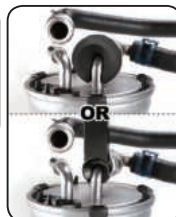


904G24

 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)



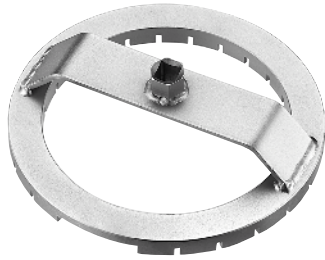
9G0725

 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

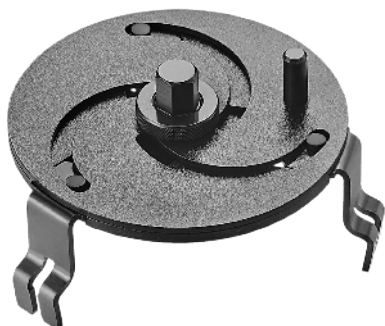
 24/12.0/13.0/2.0'  480g

- 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

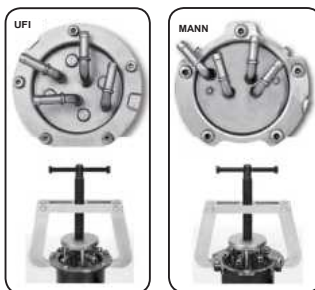
9G0131

 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.

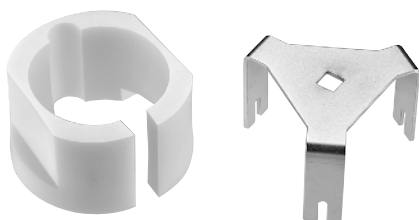


Diesel fuel filter removal tool

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

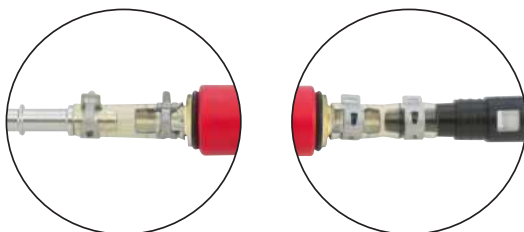


100/14.2/15.2/2.5'



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

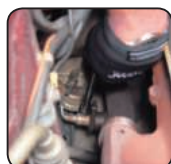


9G1401

 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



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.



ENGINE



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



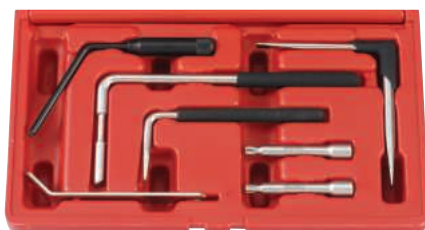
63007

 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'

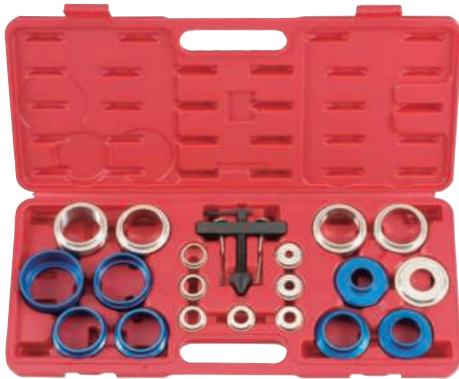


26g

- 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.





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



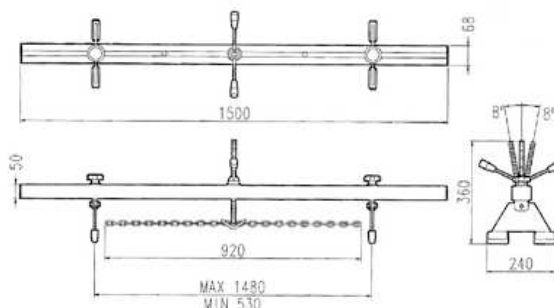
1/12.7/14.2/1.75'



11.5kg



- Straddling 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

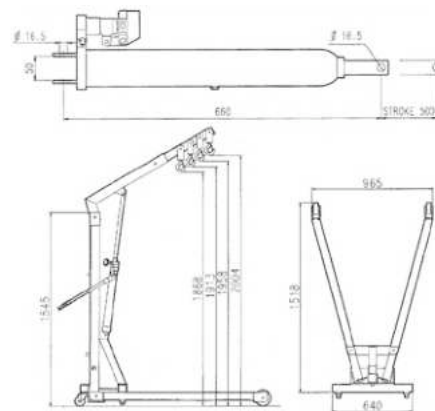


9G0615

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 manoeuvring 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

1

g

pc/box

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.



ENGINE



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/cm²
- Low pressure: 0~350 psi
-1~25 kg/cm²
- Vacuum: 0~76 in/Hg

Aluminum 4-way R134a Auto A/C manifold 80mm gauge set (with 60" hose 1/4" SAE and 2 couplers)


9G4108


8/18.7/19.7/4.85'

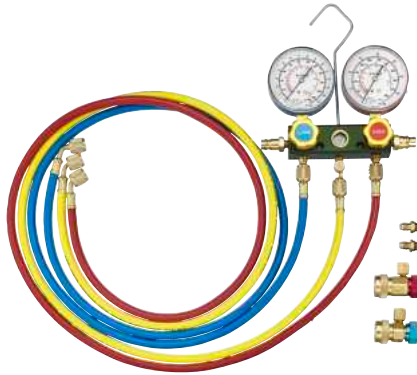


2340g

- 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/cm²
- Low pressure: 0~350 psi
-1~25 kg/cm²
- 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/cm²
- Low pressure: 0~500 psi
-1~35 kg/cm²
- Vacuum: 0~76 in/Hg



ENGINE



Valve core remover & installer tool kit



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 8mm
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

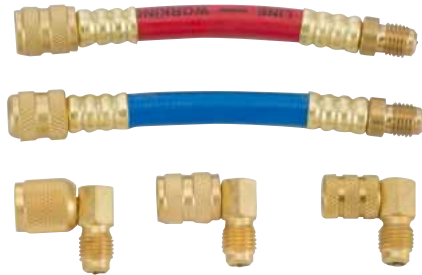


9G4111

 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.



ENGINE



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.



ENGINE

