



BRILLIANT[®]
TOOLS

powered by **KSTOOLS**



ENGINE ADJUSTMENT TOOLS

CATALOG 2022



**WORK
BRILLIANT**

THE POWER BEHIND OUR BRAND

Who decides for BRILLIANT TOOLS, decides also for KS TOOLS. The DNA from 30 years of perfection is in every single tool from BRILLIANT TOOLS.

The result: a high-quality tool assortment at a sensationally favorable price-performance ratio. From this benefit ambitious do-it-yourselfers as well as professionals from the handicraft and automotive sector.

OUR CUSTOMERS: ALL THOSE WHOSE HEART BEATS FOR QUALITY

Whether do-it-yourselfers, craftsmen or mechanics:
The BRILLIANT TOOLS product range offers professional
tools for almost all purposes.

Whether for DIY projects or in the hard everyday work
in the workshop or on assembly: Working with
BRILLIANT TOOLS is guaranteed to pay off.



OUR ASSORTMENT: HUGE

For the hard working day or for the hobby workshop; no matter whether you are a do-it-yourselfer, a craftsman mechanic or all at the same time: In the assortment of BRILLIANT TOOLS you will find the right tools for your the right tools for your project!

BRILLIANT TOOLS AT A GLANCE:

MORE THAN
1.500
TOOLS

clearly arranged
in our versatile
assortment

UP TO
63 %
SAVING

due to the smart
reduction to the
essentials

VIA
5.000
DEALERS

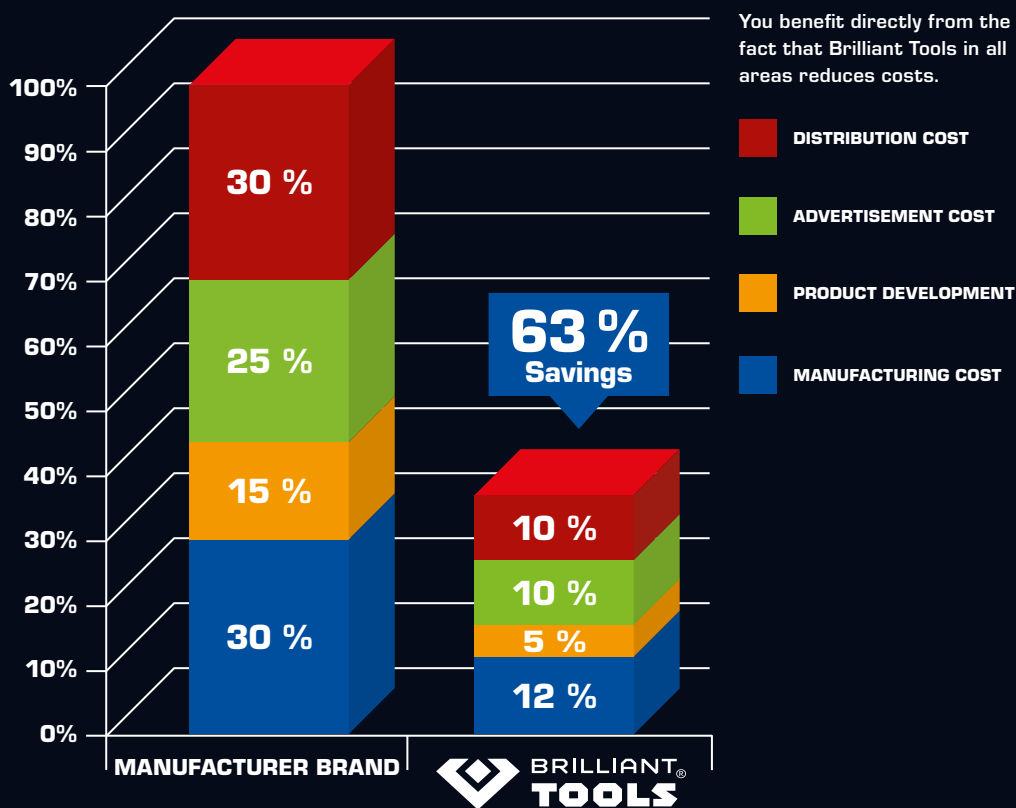
carry BRILLIANT TOOLS
articles in their
assortment

VIA
85.000
ARTICLE IMAGES

for best information.
What you see,
you get

OUR RECIPE FOR SUCCESS. THE SMART REDUCTION TO THE TO THE ESSENTIALS: QUALITY.

BRILLIANT TOOLS does not need a large distribution structure and extravagant marketing activities. Our target group is happy to do without. Instead, our customers buy at a favorable price, without having to lower their quality expectations.



PRODUCTION: INTERNATIONAL QUALITY: MADE IN GERMANY

Our tools are at home all over the world. Because in many countries very good tool manufacturers produce with tradition. Real professionals, from whom we manufacture with a clear conscience.

Function and quality are always guaranteed "made in Germany" - you can rely on that.



OUR LOGISTICS: MIGHTY OUR PACE: RECORD-BREAKING

BRILLIANT TOOLS benefits from day one from the logistics of KS TOOLS in Heusenstamm. Our Tools are within a very short time used all over the world, for this we rely on the latest logistic technology.

ABOUT
1.000

APPLICATION, EXPLANATION AND
UNBOXING VIDEOS

WEBSITE IN
28
LANGUAGES

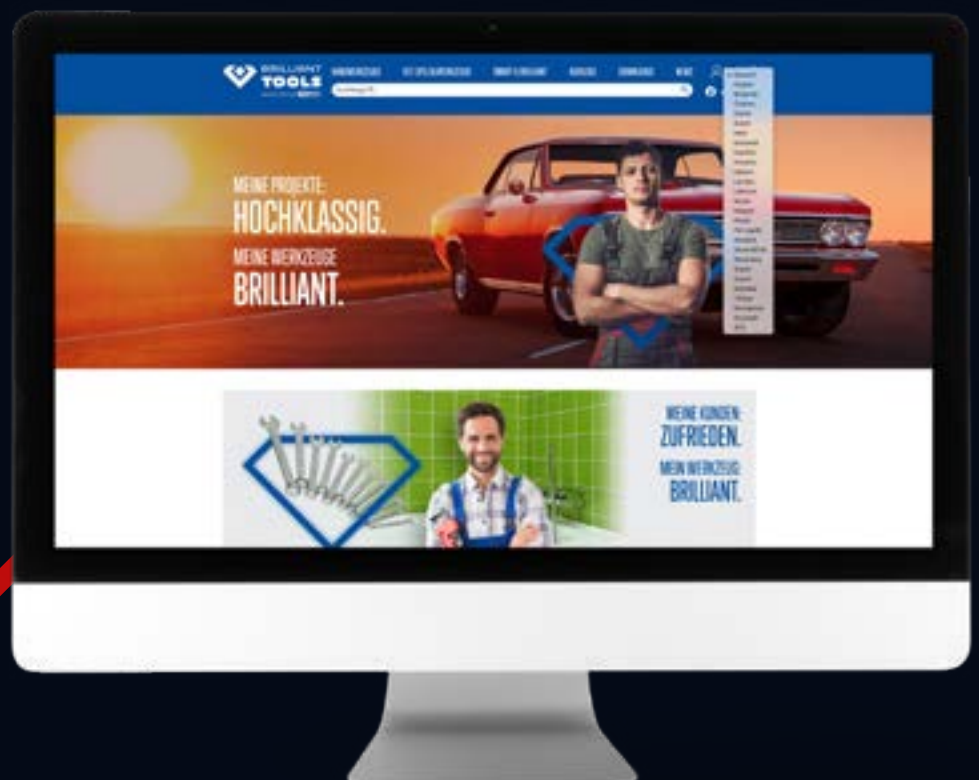
ABOUT
2.500

360° VIDEOS THAT YOU CAN
CONTROL HORIZONTALLY
AND VERTICALLY

DIGITIZATION: PERFECT INFORMATION CONTENT: OUTSTANDING

100% information: 7 days a week, 24 hours a day.
No matter at what time of day or night - you can
access to our products, images and video data base
at any time. Because we make tools and love data, but
above all we love satisfied customers. That is why no
question remains unanswered.

BRILLIANT TOOLS are manufactured all over the world
and distributed internationally. That is why it is a
matter of that we speak the language of our customers.
language of our customers. And that literally: Our
website offers 28 languages. This means that we can be
sure that our customers understand us as well as we
understand their wishes.
















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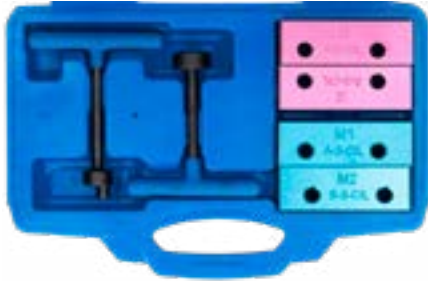
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ALFA ROMEO



ART.NR	ITEM NAME	PRICE
BT591250	Engine adjustment tool set for Alfa Romeo 1.4, 1.6, 1.8, 2.0 Twin-Spark	49,00 €

DESCRIPTION

For adjusting engine timing when replacing the toothed belt, repairing the cylinder head, replacing the cylinder head seal, etc.

Suitable for Alfa Romeo models 145, 146, 147, 155, 156, 166, Spider, GTV

Fits Twin Spark engines 1.4, 1.6, 1.8, 2.0 I 16V Twin Cam, engine code 162.01, 322.01, 323.01, 323.10 /335.03, 671.06, 672.04, 676.01

DELIVERY SCOPE

- Tool for toothed belt tensioner, use as OEM 1822149000
- Tool for balance shaft, use as OEM 1822154000
- Camshaft interlock (purple), use as OEM 1825042000
- Camshaft interlock (blue), use as OEM 1825041000



ART.NR	ITEM NAME	PRICE
BT591350	Engine adjustment tool set for Fiat, Lancia, Alfa Romeo	249,00 €

FOR THE FOLLOWING MODELS

Alfa Romeo 145 1.4, 1.6 16V Step A – 146 1.4, 1.6 16V Step A – 147 1.6 16V Step A – 147 105 PS – 147 1.6 eco 103 PS – 155 1.4, 1.6 16V Step A – 156 1.6 16V Step A – 156 1.8, 2.0 16V – 156 2.0 JTS – 166 2.0 – GTV 2.0 JTS – Spider GT 2.0 JTS 16V 165 PS

Lancia K5 2.0 20V, 4-cylinder, VIS engines start from year of construction 1996 onwards, Delta 1.8 16V Step A, Dedra 1.8 16V Step A, Y10 1.4 12V

Fiat Bravo 1.4 12V, 2.0 20V – Brava 1.4 12V, 2.0 20V – Marea 2.0 20V, Coupe 1.8 16V, Barchetta 1.8 16V, Punto 1.8 16V

DESCRIPTION

Special insert, drive square socket 12.5 mm (1/2") for dismantling the phaser

23 precisely fitting locking devices for the feed and discharge camshaft

prevent the camshafts start from twisting after assembly and position them in assembly position for the toothed belt.

The locking devices are labelled with numbers and additionally colour-coded to avoid confusion

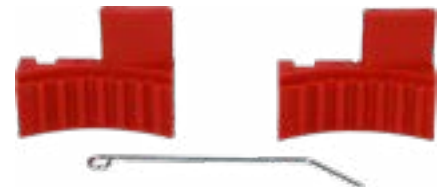
The OT point adjustment mandrel and a micrometer clock (not scope of delivery) makes a precise alignment of the crankshaft possible

DELIVERY SCOPE

Cam shaft locking devices, use as OEM 1 825 041 000, 1 825 042 000, 1 860 096 100, 1 860 819 000, 1 860 847 000, 1 860 892 000, 1 860 899 000, 1 870 797 000

Bracket for dial gauge for adjusting the piston OT (requires dial gauge), use as 1 860 895 000, 1 895 879 000, 1 825 013 000

Insert for phaser, use as OEM 1 822 110 000, 1 852 161 000



ART.NR	ITEM NAME	PRICE
BT595703	Camshaft locking tool for Opel 1.6, 1.8	7,00 €

DESCRIPTION

Contains important tools for inspecting and adjusting the engine timing

Suitable for Opel Astra G/H, Corsa D, Insignia, Meriva, Signum, Tigra, Vectra C, Zafira B (2003-2012) with engine codes A16LET, A16XER, Z16LEL, Z16LER, Z16LET, Z16XE, Z16XE1, Z16XEP, Z16XER, Z18XER, A18XER

Also suitable for Alfa Romeo 159, Fiat Croma with engine code 939A4.000

DELIVERY SCOPE

- Camshaft interlock, use as OEM KM-6340, EN-6340, 2000012100
- Tensioning element interlock, use as OEM KM-6333, EN-6333



ART.NR	ITEM NAME	PRICE
BT591215	Engine adjustment tool set for Alfa Romeo 2.0 JTS	31,00 €

FOR THE FOLLOWING MODELS

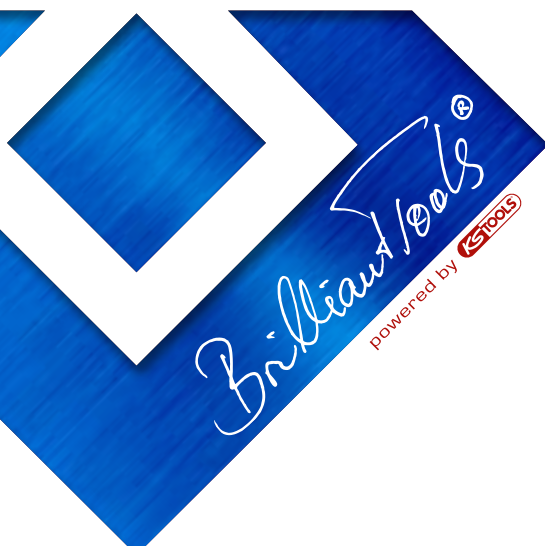
Alfa Romeo 156, GT, GTV, Spider 2.0 JTS (165 PS) with engine codes: 937A1000, 932A2000

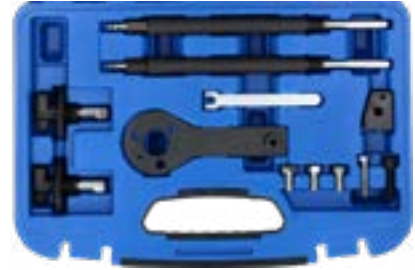
DESCRIPTION

For checking and adjusting the camshaft timing
Needed when replacing the toothed belt

DELIVERY SCOPE

- Balance shaft belt clamping tool, use as OEM 1822154000
- Toothed belt clamping tool, use as OEM 1822149000
- Intake camshaft locking block, use as OEM 1860856001
- Exhaust camshaft locking block, use as OEM 1860831002





ART.NR	ITEM NAME	PRICE
BT594450	Engine adjustment tool set for Fiat, Opel, Alfa 1.9, 2.4 16V Diesel	40,00 €

ART.NR	ITEM NAME	PRICE
BT592700	Engine adjustment tool set for Alfa Romeo, Fiat 1.4 MultiAir	69,00 €

ART.NR	ITEM NAME	PRICE
BT591320	Engine adjustment tool set for Fiat, Alfa Romeo, Lancia 1.2 16V, 1.4 16V, T-Jet	35,00 €

FOR THE FOLLOWING MODELS

Opel 1.9 CDTi Z19DT, Z19DTH, Z19DTJ

Alfa-Romeo 1.9 and 2.4 L diesel with engine code: 323.02, 371.01, 342.02, 325.01, 362.02, 182B9.000, 937A2.000, 937A3.000, 192A5.000, 192B1.000, 937A4.000, 937A5.000, 939A2.000, 939A1.000, 939A7.000, 939A8.000, 839A6.000, 841C.000

Fiat 1.9 and 2.4 L diesel with engine code: 182B4.000, 182B9.000, 185A6.000, 186A6.000, 186A8.000, 186A9.000, 188A2.000, 188A7.000, 188B2.000, 192A1.000, 192A3.000, 192A5.000, 192A8.000, 192A9.000, 192B4.000, 192B5.000, 198A2.000, 198A3.000, 198A6.000, 199A5.000, 223A7.000, 937A5.000, 939A1.000, 939A2.000, 939A3.000, 939A7.000

DESCRIPTION

For adjusting the engine timing e.g. when replacing the toothed belt, repairing the cylinder head, etc.

DELIVERY SCOPE

Crankshaft interlock, use as OEM Opel EN-4678B, Fiat 1.860.905.000, 1.860.905.010

Flywheel interlock, use as OEM Fiat 1.860.898.000

Camshaft interlock, use as OEM Opel EN-46789, Fiat 1.870.896.900

Marking mandrel Ø 3.7mm x 70mm, use as OEM Opel KM 6130, KM 6349

FOR THE FOLLOWING MODELS

Alfa Romeo Giulietta, Mito, Fiat Punto, Punto Evo 1.4 (Turbo) MultiAir (105/135/163/170PS)

Engine codes: 940A2.000, 940A2.000, 955A8.000, 955A8.000, 940A2.000, 955A8.000, 955A2.000, 955A7.000, 955A6.000, 955A8.000

DESCRIPTION

For adjusting the engine timing when replacing the toothed belt

DELIVERY SCOPE

Camshaft adjustment tool including 3 fastening screws, use as OEM 2000034400

Crankshaft locking tool including 4 fastening screws, use as OEM 2000004500

Tension roller key, use as OEM 1860987000

FOR THE FOLLOWING MODELS

Adjustment tool for piston height, use as OEM 1.860.992.000

DESCRIPTION

For adjusting engine timing when replacing the toothed belt, repairing the cylinder head, replacing the cylinder head seal, etc.

Suitable for Alfa Romeo, Fiat and Lancia 1.2 16V, 1.4 16v, 1.4 T-Jet

Engine codes e.g. 169A3000, 179B9000, 182B2000, 188A5000, 192B2000, 198A1000, 198A4000, 199A6000, 199A8000, 843A1000

DELIVERY SCOPE

Crankshaft interlock (with screws M6x30 and 3 pcs M8x16), use as OEM 2.000.004.500

Camshaft adjustment tools (1 pair), use as OEM 1.860.985.000

Adjustment tool for piston height, use as OEM 1.860.992.000

Adjustment spanner for toothed belt tensioner, use as OEM 1.860.987.000

Interlock tool for camshaft sprockets (with M8x30 screw), use as OEM 2.000.015.800





FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591245	Camshaft locking tool set for Alfa Romeo, Lancia 3.0 V6 24V	34,00 €

FOR THE FOLLOWING MODELS
Alfa Romeo, Lancia 3.0L V6 24V

DESCRIPTION
For checking and adjusting the camshaft timing
Use as OEM 1825040000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 1-cylinder
Camshaft adjustment tool for exhaust cam 1-cylinder
Camshaft adjustment tool for intake cam 6-cylinder
Camshaft adjustment tool for exhaust cam 4-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591235	Camshaft locking tool set for Alfa Romeo 2.0l 16V JTS	17,00 €

FOR THE FOLLOWING MODELS
Alfa Romeo 147, 156, 166, GTV, Spider GT with 2.0 16V JTS (165 PS) engine

DESCRIPTION
For checking and adjusting the camshaft timing
Use as OEM 1870859000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 2-cylinder
Camshaft adjustment tool for exhaust cam 3-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591240	Camshaft locking tool set for Alfa Romeo 1.8l, 2.0l 16V	17,00 €

FOR THE FOLLOWING MODELS
Alfa Romeo 147, 156 1.8 16V (140 PS), 1.8 16V (144 PS), 2.0 16V (150 PS), 2.0 16V (155 PS)

DESCRIPTION
For checking and adjusting the camshaft timing
Use as OEM 1825041000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 2-cylinder
Camshaft adjustment tool for exhaust cam 3-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591225	Camshaft locking tool set for Fiat, Lancia 1.8l 130 hp	17,00 €

FOR THE FOLLOWING MODELS
Fiat, Lancia 1.8L 16V 130PS

DESCRIPTION
For checking and adjusting the camshaft timing
Use as OEM 1860847000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 2-cylinder
Camshaft adjustment tool for exhaust cam 3-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591230	Camshaft locking tool set for Alfa Romeo 1.6l 16V	17,00 €

FOR THE FOLLOWING MODELS
Alfa Romeo 145, 146, 147, 156 1.6 16V (Step "A")

DESCRIPTION
For checking and adjusting the camshaft timing
Use as OEM 1870734000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 2-cylinder
Camshaft adjustment tool for exhaust cam 3-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591220	Camshaft locking tool set for Alfa Romeo 147 1.6 105 hp	17,00 €

FOR THE FOLLOWING MODELS
Alfa Romeo 147 1.6 105 PS

DESCRIPTION
For checking and adjusting the camshaft timing
Needed when replacing the toothed belt

DELIVERY SCOPE
Intake and exhaust camshaft locking block, use as OEM 1870797000



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591210	Camshaft locking tool set for Alfa Romeo 1.6I ECO	17,00 €

FOR THE FOLLOWING MODELS

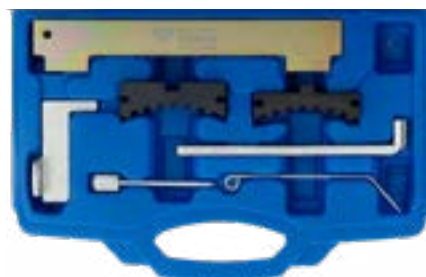
Alfa Romeo 147 (937) 1.6L 77KW ECO Twin Spark

DESCRIPTION

For adjusting and checking the engine timing
Use as OEM 1870797000

DELIVERY SCOPE

Camshaft adjustment tool for intake cam 3-cylinder
Camshaft adjustment tool for exhaust cam 2-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591300	Engine adjustment tool set for Opel 1.6, 1.8	33,00 €

DESCRIPTION

Contains tools for locking the camshaft and crankshaft
Suitable for 1.6 and 1.8 L engines with toothed belt control, installed in models start from Opel, Vauxhall, Chevrolet, Fiat, Alfa Romeo (2003-2012), e.g. Astra G, H, Corsa D, Insignia, Meriva, Signum, Vectra C, Zafira B (2003-2011)

Suitable for Chevrolet Cruze, Orlando 1.4 1.6 1.8 and Fiat Croma, Alfa Romeo 159 with 939A4.000 engines
Use as OEM tools KM-6628-A, 2000012000, KM-6340, 2000012100, KM-6333, KM-6625, 2000012800, KM-6349, KM 6130, KM-911



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles start from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt
Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm
Single camshaft locking tool with short and long locking screw

1/4" 6,3 mm

BT020023
EAN 4042146774281
1/4 mm socket set,
23 pcs



12x		4 • 4,5 • 5 • 5,5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 mm
4x		T15 • T20 • T25 • T30
2x		PH1 • PH2
2x		PZ1 • PZ2
1x		110 mm
1x		100 mm
1x		25 mm

23
pcs.



20,- €

AUDI



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT551340	Alignment and O-ring assembly set for VAG pump/nozzle unit	60,00 €

FOR THE FOLLOWING MODELS

5-cylinder and 10-cylinder VW Phaeton, Touareg from year of construction 2003 onwards, T5 from year of construction 2004 onwards, etc.

4-cylinder VW Golf, Touareg, Audi A3 from year of construction 2004 onwards, etc.

DESCRIPTION

Enables precise positioning of the pump/nozzle unit and damage-free fitting of the O-rings

An incorrectly installed pump/nozzle unit entails a risk of damage to the cylinder head and the pump/nozzle unit itself

DELIVERY SCOPE

Adjustment gauge, steel, use as OEM T10210

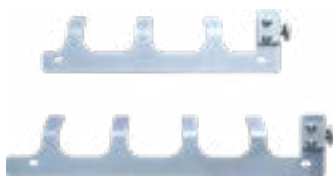
O-ring fitting sleeve, brass, use as OEM T10056/1

O-ring fitting sleeve, brass, use as OEM T10056/2

O-ring fitting sleeve, brass, use as OEM T10056/3

O-ring fitting sleeve, brass, use as OEM T10164/1

O-ring fitting sleeve, brass, use as OEM T10164/2



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT551350	Setting gauges for VAG pump-nozzle-units on 3- and 4-cylinder engines	90,00 €

DESCRIPTION

For adjusting the pump/nozzle units

Suitable for 3-cylinder and 4-cylinder engines and for pump/nozzle units with old and new solenoid valve nut



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear

Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly

Continuous adjustment range of the gripping arms from 42 – 82 mm

Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm

6-groove puller body with adjusting disc

Spindle, M14 x 1.5, 19 mm hex, with centring cone



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591040	Camshaft locking tool for VAG W8 and W12	40,00 €

DESCRIPTION

For aligning the camshafts

Suitable for V6 R32 3.2L FSI W8 and 6.0L W12

2 alignment rules

Use as OEM T10068, T10068A



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT561006	ignition coil extractor for VAG	23,00 €

DESCRIPTION

For pulling off ignition coils on VAG models from year of construction 2013 onwards

Pin-shaped for insertion into the ignition coil fixing hole

Suitable for 4-cylinder 1.2, 1.4, 1.8, 2.0 FSI, TFSI engines, installed in e.g. VW Golf, Audi A3, Seat Leon, Skoda Octavia

Use as OEM T10530



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT541061	Bit insert, length 54 mm, 12.5 mm square drive (1/2") for VAG Polydrive	4,00 €

DESCRIPTION

Special insert for loosening and tightening the fixing screw of the camshaft adjuster for VAG 4-cylinder fuel injection engine (2.0 l direct injection engine)

Special spline profile

Use as OEM: T40080

With knurled grip

Dimensions: M10

DELIVERY SCOPE

3 special inserts, 10 mm (3/8") drive

Special insert for camshaft control valves, use as OEM T10352, OEM T10352/1, OEM T10352/2



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT595850	Camshaft control valve inserts for VAG 1.8, 2.0 TFSI, TSI	14,00 €

FOR THE FOLLOWING MODELS

Audi A3, A4, A5, Q5, TT, Seat Altea, Leon, Toledo, Exeo, Skoda Octavia II, Superb II, Yeti, Volkswagen Eos, Golf, Jetta, Passat, Scirocco, Sharan, Tiguan

DESCRIPTION

For fitting/removal of the 4/3-way central valve of the camshaft adjustment

Suitable for 1.8, 2.0 L 4-cylinder fuel injection and direct injection engines with timing chain.



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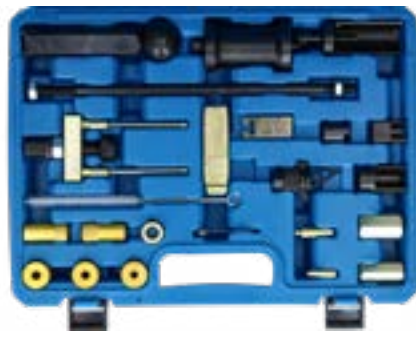
ART.NR	ITEM NAME	PRICE
BT591080	Engine adjustment tool set for VAG	10,00 €

DESCRIPTION

VAG 2.0 L TDI and some 1.9L TDI with oval crankshaft wheel

DELIVERY SCOPE

Interlock tool for crankshaft wheel, use as OEM T10100
Interlock mandrel for pump wheel, use as OEM 3359
Interlock plate for tensioning roll, use as OEM T10008



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT551360	FSI nozzle assembly/disassembly kit	89,00 €

DESCRIPTION

Suitable for VW, Audi, Seat, Skoda with petrol direct injection and engines with a pump/nozzle unit

Use as tools OEM T10133 + T10163

DELIVERY SCOPE

Puller for dismantling FSI nozzles, use as T10133/1
Extractor claw for dismantling FSI nozzles, use as T10133/2
Slide hammer, use as T10133/3
Assembly cone for fitting the combustion chamber sealing rings, use as T10133/5
Calibration sleeves for fitting the combustion chamber sealing rings, use as T10133/6, T10133/7, T10133/8
Fitting mandrel for fitting the FSI nozzles, use as T10133/9
Puller for removing pump/nozzle units



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT606004	Special spanner for exhaust gas temperature sensor for VAG, SW 19 mm	28,00 €

DESCRIPTION

For assembling/disassembling exhaust gas temperature sensors

Suitable for e.g. the following VAG engines: 1.8 TFSI, 2.0 TFSI, 2.0 FSI, 1.6 CRTdi, 2.0 common rail

Spanner width 19 mm

Use as OEM T10395/8, T10395/9, T10395/10



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT561005	Ignition coil disassembly tool for VAG	16,00 €

DESCRIPTION

For disassembling ignition coils mounted directly on the spark plug

Suitable for e.g. the following models from year of construction 2013 onwards: VW Golf, Audi A3, Seat Leon, Skoda Octavia with FSI engines 1.2, 1.4, 2.0 with timing chain



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591960	Vibration damper tool set for VAG 1.8, 2.0 TFSI	145,00 €

ENGINE CODES

Engine codes for 1.8L TFSI: BZB, CDAA, BPU, BYT, CABA, CABB, CDHA, CDHB, CABD, DAJB, CJSA, CJSB, CJEB, CJEE, CJED, CYGA, CDAC, CJSK, CGYA, DAJA

Engine codes for 2.0L TFSI: CAWB, CCZA, CBFA, CCTA, CDNB, CDNC, CDND, CJXA, CJXE, CJXH, CHHB, CHHA, CULA, CFKA, DEDA, CHJA, CAWA, CCZC, CCZD, CPSA, CJKA, CJKB, CESA, CETA, CFPA, CNCD, CPLA, CYRB, CYRC, CNCE, CYNB, CYPB, CULB, CULC, CNCB, CWZA, CJXF, CJXC, CJXB, CJXG, CHHC, CCZB

DESCRIPTION

Prevents the timing chain sprocket from turning when the vibration damper is being removed or installed

Suitable for Volkswagen, Audi, Skoda and Seat models with 1.8 and 2.0L TFSI engine with chain drive

DELIVERY SCOPE

Vibration damper holding tool, use as OEM T10531/1
Crankshaft wheel clamping bolt, use as OEM T10531/2
Nut for crankshaft wheel holding tool, use as OEM T10531/3
Adapter piece for crankshaft wheel holding tool, use as OEM T10531/4



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597152	Locking tool for crankshaft timing belt pulleys for VAG	5,00 €

DESCRIPTION

VAG 1.2, 1.4, 1.9 L TDI with round crankshaft wheel
Use as OEM T10050



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597151	Locking tool for crankshaft timing belt pulleys for VAG	6,00 €

DESCRIPTION

VAG 2.0 L TDI and 1.9 L with oval crankshaft wheel
Use as OEM T10100



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597100	Engine adjustment tool set for VAG	11,00 €

DESCRIPTION

VAG 1.2 1.4 1.9 L TDI with round crankshaft wheel

DELIVERY SCOPE

Interlock tool for crankshaft wheel, use as OEM T10050
Interlock mandrel for pump wheel, use as OEM 3359
Interlock plate for tensioning roll, use as OEM T10008



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597450	Engine adjustment tool set for VAG	40,00 €

FOR THE FOLLOWING MODELS

VW Passat, Sharan
AUDI A4, A6, A8, Allroad (1997-2006), A8
SKODA Superb 2.5 (2002-2006)

ENGINE CODES

AFB, AKN, AKE, AYM, BAU, BCZ, BDG, BDH, BFC

DESCRIPTION

For inspecting and adjusting the camshaft control times

DELIVERY SCOPE

Interlock plate with chain, use as OEM 3458
Special spanner, spanner width 22 mm, 1/2" drive, use as OEM 3078
Propping aid for front masks, use as OEM 3369
Crankshaft locking pin, use as OEM 3242
Marking pin of injection pump wheel, use as OEM 3359



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591090	camshaft adjustment tool set for VAG	42,00 €

FOR THE FOLLOWING MODELS

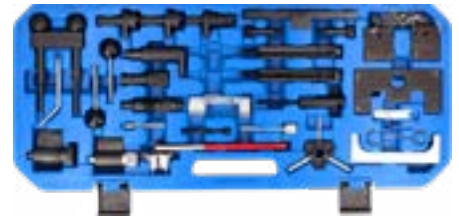
Installed in e.g. the following models: Audi A1 (2013-), A3 (2013-), Q3 (2014-), Volkswagen Passat (2012), Golf (2012-), Polo (2015-), Seat Leon (2014-), Ibiza (2013-), Skoda Superb (2015-)

DESCRIPTION

For fixing the camshafts in place when checking and adjusting the valve timing
Suitable for 1.2, 1.4 TSi, TFSi engines with active cylinder management ACT or COD
Engine codes: CPTA, CZEA

DELIVERY SCOPE

Camshaft adjustment tool, use as OEM T10504
Camshaft adjustment pin, use as OEM T10504/1
Camshaft testing pin, use as OEM T10504/2



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597800	Engine adjustment tool set for VAG	139,00 €

FOR THE FOLLOWING MODELS

1.9L, 2.0L TDI pump/nozzle
1.9L TDI
2.5L V6-TDI
3.3L V8-TDI
1.2L 3-cylinder and 1.4, 1.6L petrol engines

ENGINE CODES

OE-Code Audi: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123
OE-Code Seat: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123
OE-Code Skoda: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123
OE-Code Volkswagen: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123

DELIVERY SCOPE

Camshaft adjustment gauge (e.g. VW 1.9 l TDI)
Toothed belt pulley interlock tool (e.g. VW, Skoda 1.9L, 2.0L TDI pump/nozzle)
Camshaft interlock tool (e.g. VW, Audi 2.5L V6 TDI)
3-way adjustable toothed belt tension roller spanner (universal, for VW, Audi)
Interlock mandrel for injection pump wheel (e.g. VW, Audi, Seat, Skoda amongst others)
Retaining plate for toothed belt tensioning device (VW, Skoda 4-cylinder TDI pump/nozzle)
Open plug-in unit SW22 for assembly and disassembly of diesel injection nozzles
Camshaft adjustment tools, use as OEM T10123, T10120, 3458, 3418, 2065A, 3366, T10098, 3418
Crankshaft adjustment tools, use as OEM T10121, 3242, T10050, T10100
Tensioning roller interlock tools, use as OEM T10060A, T10020, T10008, T40011
Injection pump interlock tools, use as OEM 3359, 2064



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591011	Camshaft fixing tool for Audi, VW	39,00 €

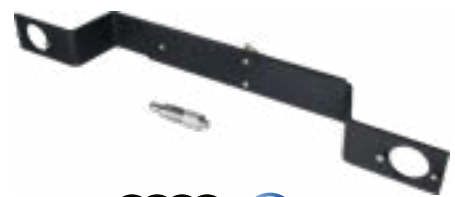
DESCRIPTION
 Needed for changing the toothed belt in Audi and VW models with 2-valve V6 engines, e.g. Audi 80, 90, A4, A6 1994-97 ABC, AFC engine
 The camshaft cannot turn while the toothed belt is being fitted
 The fixing hook ensures a secure fit
 Easy, accurate fitting of the toothed belt



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591015	Camshaft retainer for Audi 8-cylinder engines	44,00 €

DESCRIPTION
 Suitable for Audi A4 models up to 2001 and A6 up to 1998 with 8-cylinder engines
 For checking the engine timing or adjusting the camshafts
 Use as OEM T40046



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT596007	Camshaft fixing tool for VAG, adjustable, 12V, 30V	75,00 €

FOR THE FOLLOWING MODELS
 Needed for changing the toothed belt in Audi and VW models with the following engines: AUDI A4 2.4 2.8 year of construction 1997, 2002, A6 2.4 year of construction 1997, 2002, A6 2.8 year of construction 1997, 2002, A8 2.8 year of construction 1997, 2002, S4 2.7 Turbo year of construction 1997, 2001, Volkswagen with ACK, ALG, APR, AQD engines, Passat 2.4 year of construction 1996, 2002, Passat 2.8 30v year of construction 1996, 2001, 2-valve V6 engines e.g. Audi 80, 90, A4, A6 year of construction 1994, 1997 ABC, AFC engine

DESCRIPTION
 Large range of use thanks to adjustable camshaft fixing tool, use as OEM 3391 or OEM 3243
 Crankshaft locking bolt, use as OEM 3242
 The camshaft cannot turn while the toothed belt is being fitted
 Easy, accurate fitting of the toothed belt



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591010	Camshaft fixing tool for Audi, VW	39,00 €

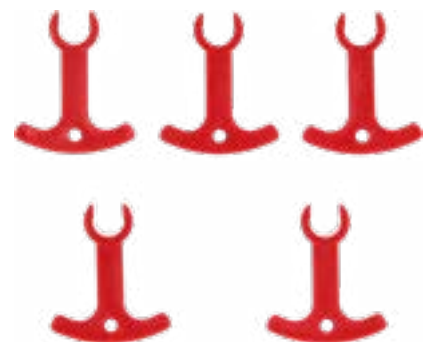
DESCRIPTION
 Needed for changing the toothed belt in Audi and VW models with the following engines: AUDI A4 2.4 2.8 year of construction 1997, 2002, A6 2.4 year of construction 1997, 2002, A6 2.8 year of construction 1997, 2002, A8 2.8 year of construction 1997, 2002, S4 2.7 Turbo year of construction 1997, 2001 or Volkswagen with ACK, ALG, APR, AQD engines, and Passat 2.4 year of construction 1996, 2002, Passat 2.8 30v year of construction 1996, 2001
 The camshaft cannot turn while the toothed belt is being fitted
 Easy, accurate fitting of the toothed belt



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591110	Camshaft adjustment tools for Audi V8 4.2	47,00 €

FOR THE FOLLOWING MODELS
 Suitable for vehicles with 4.2L V8 engines AUDI A6 (2005, 2006), A8 (2004, 2006), Quattro (2003, 2005), S4 (2004, 2009), VW Phaeton (2004, 2006) with engine code BNK, BFM, BGK, BAS, BHF, BGH
DESCRIPTION
 For adjusting the camshafts
 Use as OEM T40047
 Enables correct adjustment of the Hall sensor covers; incorrect adjustment can lead to rough idling and slow responses



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591020	Camshaft spacers for VAG	25,00 €

DESCRIPTION
 For positioning the camshaft slide elements
 Suitable for 4-cylinder petrol direct injection, 2.0 turbo, 4-valve engines, e.g. in the Audi A4 up to year of construction 2008, Audi G5 up to year of construction 2009
 Use as OEM T40191



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT595800	Engine adjustment tool set for Volkswagen 1.2	11,00 €

DELIVERY SCOPE
 Can also be used as a replacement for Art. BT597800
 Use as OEM T10123



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591018	Front mask propping aid for Audi A4	17,00 €

DESCRIPTION
 For pushing the front mask into the service position, e.g. for Audi A4, Passat from 1997 onwards
 Allows for timing belt changes or the renewal of the water pump
 Use as T10093



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT595850	Camshaft control valve inserts for VAG 1.8, 2.0 TFSI, TSI	14,00 €

FOR THE FOLLOWING MODELS

Audi A3, A4, A5, Q5, TT, Seat Altea, Leon, Toledo, Exeo, Skoda Octavia II, Superb II, Yeti, Volkswagen Eos, Golf, Jetta, Passat, Scirocco, Sharan, Tiguan

DESCRIPTION

For fitting/removal of the 4/3-way central valve of the camshaft adjustment

Suitable for 1.8, 2.0 L 4-cylinder fuel injection and direct injection engines with timing chain.



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591019	Camshaft assembly tool for VAG 6 and 8-cylinder TDI	119,00 €

DESCRIPTION

For installing the camshaft in the cylinder head

Suitable for the following VAG models: VW Tiguan 2008, Passat CC 2009, Touareg 2003, Phaeton 2003, Audi A3 2004, A4 2001, A4 2008, A5 2008, Q5 2008, A6 2005, Q7 2007, A8 2003

6-cylinder TDI common rail 2.7, 3.0 4-valve engines

8-cylinder TDI common rail 4.0 4-valve engines

Use as VAG OEM T40095



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591030	Engine adjustment tool set for VAG	59,00 €

FOR THE FOLLOWING MODELS

Audi A3 1.8 Turbo (AGN AGU AJQ APG APP AQA ARX ARY ARZ AUM AUQ) 1996-2003, A3 1.6 FSI (BAG) 2003-2006, S3 1.8 Turbo (AMK APY BAM) 1996, A4 1.8 Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006, A6 1.8 Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006, Cabriolet 1.8 (ADR) 1997-2000, TT 1.8 Turbo (AJQ APP APX AUM AUG BAM) 1998-2006

Volkswagen Beetle 1.8 Turbo (AVC) 1999-2006, Touran 1.6 FSI (BAG BLP) 2003-2007, Golf 1.8 Turbo (AGN AGU AQA ARZ AUM AUQ) 1997-2005, Bora 1.8 Turbo (AGN AGU AQA ARZ AUM AUQ) 1997-2005, Passat 1.8 Turbo (ADR AEB ANB APT APU ARG AWT) 1996-2005, Sharan 1.8 Turbo (AJH AWC) 1997-2007

Skoda Octavia 1.8 FSI Turbo (AGN AGU ARX ARZ AUM) 1996-2005, Octavia 1.8 Turbo 20V RS (AUQ) 2000-2006, Octavia 1.6 FSI (BLF) 2004-2007

DESCRIPTION

Suitable for 1.8 L turbo and 1.6 L FSI engines

DELIVERY SCOPE

Counter support for crankshaft, use as OEM 3036

Camshaft fixing tool, use as OEM T10171

Counter support for drive sprockets of oil pump gear, camshaft, vibration damper, use as OEM T10172

Adapter pieces for counter support, use as OEM T10172

Chain tensioner bracket for installation and removal of the chain tensioner, use as OEM T20018, 3366

Tension roller element fixing pin, use as OEM T40011



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591014	Timing chain adjustment spanner for VAG	28,00 €

DESCRIPTION

Needed for tensioning the timing chain

Suitable for Audi A6 from year of construction 2005 onwards, 4,2L direct injection, 8-cylinder, 4-valve

Use as OEM T40079



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591150	Engine adjustment tool set for Audi 2.4, 2.8, 3.0 TFSI	49,00 €

DESCRIPTION

For adjusting the engine timing when replacing the cylinder head seal, camshaft etc.

Suitable for e.g. Audi A6, Q5

DELIVERY SCOPE

2 camshaft interlocks, use as OEM T40133

Crankshaft locking pin, use as OEM T40069

Chain tensioner interlock, use as OEM T40071

Crankshaft turning tool, use as OEM T40058



ART.NR	ITEM NAME	PRICE
BT597010	Engine adjustment tool set for VAG FSI, TSI 1.4, 1.6 (with timing chain)	29,00 €

FOR THE FOLLOWING MODELS

Audi A3 (2003-2010)
Seat Ibiza, Leon, Altea
Skoda Octavia (2004-2009), Fabia (2007-2009), Superb (2009-2010), Roomster (2006-2009)
Volkswagen Golf (2003-2009), Golf Plus (2005-2009), Jetta (2006-2009), Passat (2005-2009), Polo (2002-2008), Scirocco (2009-2010), Tiguan (2007-2009), Touran (2003-2009), Eos (2006-2009)

ENGINE CODES

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

DESCRIPTION

For checking and adjusting the timing
Needed e.g. when replacing the timing chain
Suitable for VAG FSI and TFSI 1.4 and 1.6 L engines

DELIVERY SCOPE

Camshaft locking device, use as OEM T10171
Dial gauge bracket, use as OEM T10170
Crankshaft interlock, use as OEM T10340
Hydraulic tensioner interlock, use as OEM T40011



ART.NR	ITEM NAME	PRICE
BT597500	Engine adjustment tool for VAG 1.2, 1.4, 1.6 FSI, 1.4 TSI	73,00 €

FOR THE FOLLOWING MODELS

Audi A1, A3, A3 Sportback, A3 Cabriolet
Seat Altea, Altea XL, Ibiza, Ibiza Sport Coupe, Leon, Toledo
Skoda Fabia, Fabia, Octavia, Rapid, Roomster, Yeti
VW New Beetle, Caddy, Golf, Golf Plus, Golf Cabriolet, Golf Variant, Jetta, Polo, Touran

ENGINE CODES

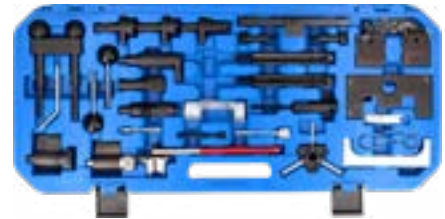
AXU, BAG, BKG, BLF, BLN, BLP, BMY, BTS, BLG, BWK, CAVA, CAVB, CAVC, CAVD, CAVF, CAXA, CAXC, CDGA

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Camshaft locking device, use as OEM T10171
Dial gauge, use as OEM T10170 (dial gauge holder with 274 mm total length, exterior thread M14 x 1.25 mm)
Crankshaft interlock, use as OEM T10340
Hydraulic tensioner interlock, use as OEM T40011 (8 mm tension shaft)
Precision dial gauge for locating the piston OT (resolution: 0.01 mm / measuring range: 0-8 mm / diameter: 41 mm)
2x crankshaft wheel locking pin, use as OEM T10341 (two guide bolts with 135 mm length, 24 mm long exterior thread M8 x 1.25 mm, reciprocal external hex with 6 mm width between flats)
Camshaft interlock, use as OEM T10414



ART.NR	ITEM NAME	PRICE
BT597800	Engine adjustment tool set for VAG	139,00 €

FOR THE FOLLOWING MODELS

1.9L, 2.0L TDI pump/nozzle
1.9L TDI
2.5L V6-TDI
3.3L V8-TDI
1.2L 3-cylinder and 1.4, 1.6L petrol engines

ENGINE CODES

OE-Code Audi: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123
OE-Code Seat: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123
OE-Code Skoda: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123
OE-Code Volkswagen: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123

DELIVERY SCOPE

Camshaft adjustment gauge (e.g. VW 1.9 l TDI)
Toothed belt pulley interlock tool (e.g. VW, Skoda 1.9L, 2.0L TDI pump/nozzle)
Camshaft interlock tool (e.g. VW, Audi 2.5L V6 TDI)
3-way adjustable toothed belt tension roller spanner (universal, for VW, Audi)
Interlock mandrel for injection pump wheel (e.g. VW, Audi, Seat, Skoda amongst others)
Retaining plate for toothed belt tensioning device (VW, Skoda 4-cylinder TDI pump/nozzle)
Open plug-in unit SW22 for assembly and disassembly of diesel injection nozzles
Camshaft adjustment tools, use as OEM T10123, T10120, 3458, 3418, 2065A, 3366, T10098, 3418
Crankshaft adjustment tools, use as OEM T10121, 3242, T10050, T10100
Tensioning roller interlock tools, use as OEM T10060A, T10020, T10008, T40011
Injection pump interlock tools, use as OEM 3359, 2064



ART.NR	ITEM NAME	PRICE
BT596004	Tensioning spanner for VAG	13,00 €

DESCRIPTION

For adjusting the tensioner pulley
Use as OEM T10020



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT596003	camshaft locking tool	11,00 €

FOR THE FOLLOWING MODELS

VAG 1.4i, 1.6i 16V

ENGINE CODES

ARC, AUB, AJA, AUS, APE, ATN, AVY, AFK, AHW, APE, AGQ, AJV, AKG, AZD

DESCRIPTION

For adjusting the camshaft e.g. when replacing the toothed belt

Use as OEM T10016

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591200	engine adjustment tool set for VAG	59,00 €

DESCRIPTION

suitable for 2.0 L FSI and TFSI engines, e.g. Golf, Touran, Audi A3, engine codes AWA, BMB, AXW

DELIVERY SCOPE

Marking mandrel, use as OEM T10060A

Marking pins, use as OEM T10115

Marking pins, use as OEM T40011

Chain adjuster, use as OEM 3366

Camshaft mount, use as OEM T10252

Tensioning bolt, use as OEM T10092

Two hole nut screw driver, use as OEM T10020

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT595950	engine adjustment tool set for Audi A4, A6, A8	105,00 €

FOR THE FOLLOWING MODELS

Suitable for Audi A4, A6, A8 with engine code ASN, AVK, BBJ

DESCRIPTION

Needed for replacing the toothed belt and carrying out servicing work on the engine

Easy assembly of the toothed belt as camshaft and crankshaft are fixed

DELIVERY SCOPE

2 camshaft fixer, use as OEM T40030

Crankshaft interlock, use as OEM T40026

Tension roller key, use as OEM 3387

Insert for basic setting of the camshaft adjuster, use as OEM T40028

Fixing pins for tensioning element, use as OEM T40011

BT023002
EAN 4042146777770
Reversible ratchet set, 2 pcs

2
pcs.

1/2"
12,5 mm

2K



29,- €



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597400	engine adjustment tool set VAG 2.7, 3.0 TDI	79,00 €

FOR THE FOLLOWING MODELS

Suitable for Audi A4, A5, A6, AB, Q5, Q7 and VW Touareg, Phaeton with engine code ASB, BKN, BKS, BMK, BMZ, BNG, BPP, BSG, BUG, BUN, CAMA, CAMB, CANA, CANB, CANC, CAND, CAPA, CARA, CARB, CASA, CASB, CASC, CATA, CCMA, CCWA, CCWB, CDYA, CDYB, CDYC, CEXA, CGKA, CGKB

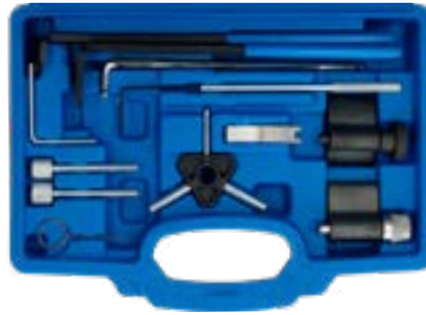
DESCRIPTION

For locking the camshaft/crankshaft and fixing the tensioners

Needed for replacing the timing chain or carrying out other work on engine timing

DELIVERY SCOPE

- Camshaft blocking, use as OEM T40062
- Camshaft tool, use as OEM T40061
- Swivel adapter for crankshaft, use as OEM T40049
- Marking mandrel for injection pump, use as OEM 3359
- Swivel adapter for crankshaft, use as OEM T40058
- 2 camshaft interlocks, use as OEM T40060
- Crankshaft marking mandrel, use as OEM 3242
- 2 chain tensioner interlocks



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597700	engine adjustment tool set for VAG	45,00 €

FOR THE FOLLOWING MODELS

Audi A1 (2010-2012), A2 (2001-2006), A3 (2001-2012), A4/Allroad (1999-2012), A5 (2008-2012), A6/Allroad (1998-2011), TT (2008-2010), Q5 (2008-2012)

Seat Alhambra (1999-2010), Altea/Altea XL (2004-2012), Arosa (1999-2005), Cordoba (2002-2009), Ibiza (2002-2010), Leon (2000-2012), Toledo (2004-2011)

Skoda Fabia (2000-2007), Fabia II (2007-2012), Octavia (2000-2010), Octavia II (2004-2012), Roomster (07-12), Superb (2002-2008), Superb II (2008-2012), Yeti (2009-2012)

VW Amarok (2010-2012), Beetle (2000-2011), Bora (1998-2008), Caddy/Maxi (2003-2012), Eos (06-10), Fox (2005-2011), Golf (1998-2012), Golf Plus (2005-2012), Jetta (2005-2011), Lupo (1999-2005), Passat/CC (1998-2012), Polo (1999-2012), Scirocco (2008-2012), Sharan (1999-2010), Tiguan (2007-2012), Touran (2003-2012), Transporter (2003-2012)

Dodge Caliber (2006-2011)
Ford Galaxy (1999-2006)
Mitsubishi Grandis (2005-2010), Lancer (2005-2010), Outlander (2007-2010)

DESCRIPTION

For inspecting and adjusting the camshaft control times
1.2, 2.0 TDI PD, 1.2, 1.6, 2.0 TDI CR



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597650	engine adjustment tool set for VAG 1.7, 1.9 D, SDI, TDI, 1.6, 1.8, 1.8T, 2.0	61,00 €

FOR THE FOLLOWING MODELS

VW Beetle (1998-2002), Bora (1994-2005), Caddy (1996-2004), Golf (1994-2005), Lupo (1998-2005), Passat (1996-2000), Polo (1995-2006), Sharan (1995-2000), Touran (2003-2008), Transporter (1990-2003)

Audi 80 (1991-1996), A3 (1996-2003), S3 (1999-2003), A4 (1995-2001) Cabriolet (1991-2000), A6 (1994-2002), TT (1998-2005)

Seat Alhambra (1996-2000), Arosa (1998-2005), Altea (2004-2008), Cordoba (1993-2006), Ibiza (1993-2006), Inca (1994-2004), Leon (1999-2005), Toledo (1994-2005)

Skoda Fabia (1999-2006), Felicia (1995-2001), Octavia (1996-2006), Superb (2002-2008)

ENGINE CODES

Diesel: 1.7 SDI: AHB, AHG, AKU, AKW, 1.9D: 1Y, AAZ, ABL, AEF, 1.9 SDI: EAF, AEY, AGD, AGP, AGM, ASX, ASY, AYQ, 1.9 TDI: 1Z, AAZ, AFF, AFN, AGR, AHF, AHH, AHU, ALE, ALH, ASV, AVG

Petrol: 1.6: 1F, ABM, ADA, ADP, AEH, AEK, AFT, AHL, AKL, AKS, ALZ, ANA, APF, ARM, AJR, AVU, AYD, BFG, BFS, BFQ, BGU, BSE, BSF, 1.8: ABS, ADR, ADZ, AGN, AJP, APG, APT, APX, ARG, 1.8T: AEB, AGU, AJH, AJL, AJQ, AMK, ANB, APP, APU, APY, AQA, AGX, ARX, ARY, ARZ, AUM, AVC, AVVC, AWV, AWU, AUQ, AYP, BAM, 1.8 16v: ADL, 2.0: 2E, AAC, AAE, ABF, ABK, ABT, ACE, ADY, AEG, AGG, AKT, APK, AGY, ATM, ATU, AWF, AWG, AXA, AZH, AZJ, AZL, AZM, BEH, 2.0 16v: ABF, 2.0FSI/TFSI: AXW, AXX, BGB, BHD, BLR, BLY, BMB, BPJ, BPY, BWA

DESCRIPTION

For inspecting and adjusting the camshaft control times
Use as 3359, 2064/15-046/U20003/U40074, 2065A/U40021, T20038/MP1-312/T10098, MP1302/V159, T10020, T10092, T40011, 3366/T20044



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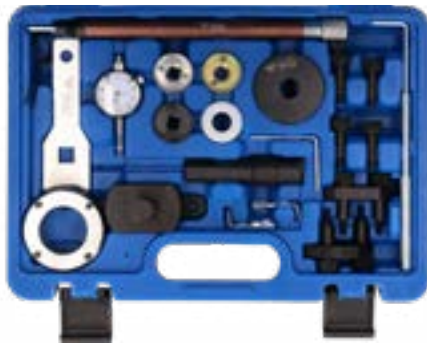
ART.NR	ITEM NAME	PRICE
BT596005	tension pulley spanner, 12-point, SW 32 mm	6,00 €

FOR THE FOLLOWING MODELS

Audi 100 from 1991 onwards, A4, A6 2.5 TDI 5-cylinder
VW Polo Diesel, Lupo from 1999 onwards, LT and T4 2.5 TDI

DESCRIPTION

For actuating the automatic tension roller while replacing the toothed belt



FITS FOR: 

ART.NR	ITEM NAME	PRICE
BT597760	engine adjustment tool set for VAG 1.8, 2.0 FSI, TFSI	190,00 €

DESCRIPTION
For checking and adjusting the engine timing
Suitable for 1.8, 2.0L VAG engines with engine code BYT, BZB, CABA, CABB, CABD, CADA, CAEA, CAEB, CAWA, CAWB, CBFA, CCTA, CCZA, CCZB, CCZC, CCZD, CDAA, CDAB, CDHA, CDHB, CDNB, CDNC, CDND, CESA, CETA, CFKA, CFPA, CGYA, CHHA, CHHB, CJBA, CJEB, CJK, CJKB, CJSA, CJSB, CNCD, CPLA, CPSA
Installed e.g. in Audi A4, A5 (from 2008 onwards), A6 (from 2012 onwards)

DELIVERY SCOPE
Crankshaft counter support tool, use as OEM T10355
Crankshaft thrust piece, use as OEM T10368
Crankshaft thrust piece, use as OEM T10354
Camshaft interlock bolt (4x), use as OEM T40196
Chain adjuster interlocking clamp (2x), use as OEM T40267
Drive sprocket blocking tool (2x), use as OEM T40271, T20208
Camshaft valve tool, use as OEM T10352
Camshaft valve tool, use as OEM T10352/1
Camshaft valve tool, use as OEM T10352/2
Tensioning marking pin, use as OEM T10060A
Tensioning marking pin (2x), use as OEM T40011
Marking pin for oil pump, use as OEM T40265



FITS FOR:    

ART.NR	ITEM NAME	PRICE
BT591070	engine adjustment tool set for VAG 1.6, 2.0 CR TDI	79,00 €

FOR THE FOLLOWING MODELS
Audi A1, A3 (8P), A4 (8B), A5A6 (C6, C7), TT (8J), Q3, Q5
Skoda Fabia II, Roomster, Praktik, Oktavia II, Suberb II, Yeti
Seat Ibiza (6J), Leon III, Exeo, Altea, Alhambra II
Volkswagen Golf V, VI und Plus, Eos, Polo V Jetta V und VI, Scirocco III, Beetle II, Caddy II, Passat B6, B7 und CC, Touran, Sharan II, T5, Amarok

ENGINE CODES
Engine codes CAYB, CAYC, CBAB, CBBB, CBAA, CFFB, CAGA, CAHA, CAGB, CAHB, CAGC, FCA, CAAA, CAAB, CAAC, CCHA, CAVA, CBAB, CBDA, CBDD, CBAC, CBDA, CBDC, etc.

DESCRIPTION
Contains important tools for checking and adjusting the timing after replacing the toothed belt
Also suitable for earlier pump/nozzle engines

DELIVERY SCOPE
Injection pump interlock, use as OEM T20102, U40074, 3359
Crankshaft interlock, use as OEM T10050, T10100
Ball head hexagon socket 6 mm, use as OEM T10264
2.5 mm tension roller locking pin, use as OEM T10265
3.9mm tension roller locking pin, use as OEM T40098
Toothed belt pulley holding tool, use as OEM T10051
Puller for toothed belt pulley, use as OEM T10052
Oil pump/balance shaft adjustment tool, use as OEM T10255



FITS FOR:   

ART.NR	ITEM NAME	PRICE
BT597050	engine adjustment tool set for Audi, VW V6 TDI	10,00 €

FOR THE FOLLOWING MODELS
Volkswagen Passat 2.5 V6 TDI
Audi A4 2.5 V6 TDI
Audi A6 2.5 V6 TDI
Audi A8 2.5 V6 TDI
Skoda Superb 2.5 V6 TDI

ENGINE CODES
Engine code: AFB, AKN, AKE, AYM, BAU, BCZ, BDG, BDH, BFC

DESCRIPTION
For locking the crankshaft/camshaft, and for carrying out work on the engine control, e.g. replacing the toothed belt, removing the cylinder heads etc.

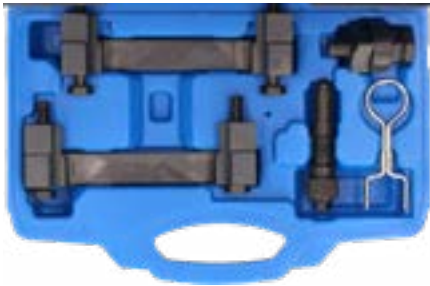
DELIVERY SCOPE
Crankshaft fixing mandrel, use as OEM 3242
Camshaft interlock plates, use as OEM 3458



FITS FOR:  

ART.NR	ITEM NAME	PRICE
BT591086	balancer shaft pulser for Audi, VW	23,00 €

DESCRIPTION
Makes it easier to remove balancer shafts
Suitable for vehicles and engines with 4 cylinders 1.8, 2.0 L fuel injection engines with timing chain: Volkswagen Golf (from 2004 onwards), Passat (from 2006 onwards), Passat CC (from 2009 onwards), Tiguan (from 2008 onwards), Eos (from 2006 onwards), Audi A3 (from 2004 onwards), A4 (from 2008 onwards), A5 (from 2008 onwards), TT (from 2007 onwards)
Use as OEM T10394
Internal thread M8 x 1.25 mm for hammer
Ideal as supplemental equipment for Art. BT551360



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591100	engine adjustment tool set for VAG 2.4, 2.8, 3.0 FSI	47,00 €

DESCRIPTION

For checking and adjusting the control times
Suitable for Audi V6, V8 and V10 engines with chain

DELIVERY SCOPE

- Camshaft interlock, use as OEM T40070
- Crankshaft fixing mandrel, use as OEM T40069
- Locking pin for chain adjuster, use as OEM T40071
- Swivel adapter for crankshaft, use as OEM T40058



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591050	engine adjustment tool set for VAG 2.8, 3.0 FSI	89,00 €

DESCRIPTION

For checking and adjusting the control times
Suitable for Audi V6, V8 and V10 engines with chain



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591084	crankshaft lathe tool for VAG	3,00 €

DESCRIPTION

Makes it easier to turn the crankshaft e.g. when checking the timing
Suitable for Audi A6 up to year of construction 2005, Audi A8 up to year of construction 2003 with 6- and 8-cylinder engines 2.4L, 3.2L FSI, 6- and 8-cylinder TDI common rail
Use as OEM T40058



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591088	drive gear fixing tool for VAG 3.6 FSI	10,00 €

DESCRIPTION

For fixing the high-pressure pump driving toothed wheel
Needed for adjusting the valve timing
Suitable for VAG 3.6L 6-cylinder 4-valve engines, installed in the Volkswagen Passat (357), (3C2), (3C5) from 2006 onwards, Touareg (7L6), (7LA) from 2006 onwards, Audi Q7 (4LB) from 2007 onwards
Engine codes: BLV, BHL, BHK
Use as OEM T10332



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597150	engine adjustment tool set for VAG 1.4, 1.6, 1.9, 2.0 SDI, TDI	18,00 €

FOR THE FOLLOWING MODELS

- Audi A2 1.4 TDI (2002, 2006), A3 1.9, 2.0 TDI (2002, 2008), A4 1.6 TDI (2002, 2005), A4 1.9, 2.0 TDI (2004, 2008)
- Seat Altea 1.9 SDI, TDI (2005, 2008), Leon 1.9, 2.0 TDI (2005, 2008), Toledo 1.9 SDI, TDI (2005, 2008) engine codes: BJB, BKC, BLS, BMM, BXE
- Skoda Fabia 1.4 TDI (2003, 2006), OctaviaII 2.0 TDI (2003, 2006), engine codes: AMF, AZV, BKD
- Volkswagen Beetle 1.9 TDI (2002, 2008), Bora 1.9 TDI (2002, 2008), Fox 1.4 TDI (2002, 2008), Golf 1.9, 2.0 TDI (2002, 2008), Lupo 1.4 TDI (2002, 2008), Polo 1.4, 1.9 TDI (2002, 2008), Sharan 1.9 TDI (2002, 2008) engine codes: AJM, AMF, ANU, ARL, ASZ, ATD, AUJ, AVB, AVF, AVX, AXR, BAY, BMS, BNM, BNV, BWV

DESCRIPTION

For adjusting and checking the engine timing when replacing the toothed belt, camshaft etc.

DELIVERY SCOPE

- Crankshaft interlock, use as OEM T10100
- Pump wheel/camshaft interlock, use as OEM 3359, T20102, 9882, MB995206
- Crankshaft interlock, use as OEM T10050, 9883, 310-085, 23-059, MB995209
- 4 mm marking pin, use as OEM T10115, 303-1054, MB995208
- Auxiliary belt locking pin, use as OEM T10060A, T40098



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT542078	crankshaft seal assembly device for VAG petrol & diesel engines	149,00 €

FOR THE FOLLOWING MODELS

Suitable for VAG vehicles Volkswagen Golf, Touran and Audi A3, A4 1.4i Turbo, 1.4 & 1.6 petrol direct injection, 1.9, 2.0 SDI, 2.0 common rail diesel engines

DESCRIPTION

For fitting the radial sealing ring on the transmission
Attempting to fit the sealing ring without this tool may lead to leaks, destruction of the new sealing ring, and poor engine running
Use as OEM T10134



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591087	camshaft turning insert for VAG 1.8, 2.0 TFSI	9,00 €

DESCRIPTION

For turning and holding the camshaft adjuster when working on the timing chain
Suitable for 1.8, 2.0 TFSI engines (3rd generation), installed in e.g. the following models: Audi A3 (from 2012 onwards), A4 (from 2008 onwards), A5 (from 2009 onwards), A5 Coupe (from 2008 onwards), Q5 (from 2008 onwards), Seat Alhambra (from 2008 onwards), Exeo (from 2009 onwards), Altea (from 2009 onwards)
Use as OEM T40266



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT542070	crank/camshaft radial seal extraction set for VAG	189,00 €

DESCRIPTION

For removing radial sealing rings
Grips the seal from the inside with its conical profile
Suitable for most commercially available sealing rings
Suitable for most VAG petrol engines e.g. VW Lupo and Polo 1.4i, VR6, Audi V6, etc.
Contains the following extractors: 5 short extractors, Ø 25, 32, 35, 27, 55 mm
1 long extractor, Ø 32 mm



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591089	drive gear fixing tool for VAG 3.6 FSI	6,00 €

DESCRIPTION

For fixing the high-pressure pump driving toothed wheel
Needed for adjusting the valve timing
Suitable for VAG 3.6L 6-cylinder 4-valve engines, installed in the Volkswagen Passat (357), (3C2), (3C5) from 2006 onwards, Touareg (7L6), (7LA) from 2006 onwards, Audi Q7 (4LB) from 2007 onwards
Engine codes: BLV, BHL, BHK
Use as OEM T10363



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591260	camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt
Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm
Single camshaft locking tool with short and long locking screw



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591094	crankshaft locking tool for VAG 1.4, 1.6, 2.0 TDI (EA288)	31,00 €

FOR THE FOLLOWING MODELS

For the following vehicles: 1.4 TDI Audi A1, 1.4 TDI Seat Ibiza, Toledo IV, 1.4 TDI Skoda Fabia III, Rapid (2012), 1.4 TDI VW Polo V, 1.6 TDI Audi A1, A3 8V, A4 B9, Q2, o 1.6 TDI Seat Leon III, Toledo IV, Ateca, 1.6 TDI Skoda, Octavia III, Rapid (2012), Superb III, Karoq, o 1.6 TDI VW Beetle, Golf VII, Jetta VI, Tiguan, Touran II, T-Roc, Passat B8, CC, Scirocco III, 2.0 TDI Audi A3 8V, A4 B9, Q2, 2.0 TDI Seat Leon III, Ateca, Alhambra II, 2.0 TDI Skoda Octavia III, Superb III, Kodiak, Karoq, 2.0 TDI VW Beetle, Golf VII, Jetta VI, Tiguan, Tiguan II, Touran II, T-Roc, Sharan II, Passat B8, CC, Scirocco III, Arteon, T6, Caddy, Crafter, Amarok

DESCRIPTION

For adjusting and locking the crankshaft e.g. when working on the camshaft drive or replacing the cylinder head seal
Suitable for: TDI common rail engines in the EA288 series
Use as OEM T10490



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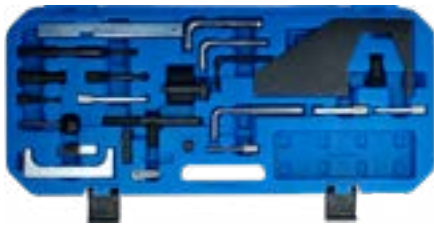
ART.NR	ITEM NAME	PRICE
BT596002	universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear
Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly
Continuous adjustment range of the gripping arms from 42 – 82 mm
Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm
6-groove puller body with adjusting disc
Spindle, M14 x 1.5, 19 mm hex, with centring cone



ART.NR	ITEM NAME	PRICE
BT593100	engine adjustment tool set for Ford	109,00 €

FOR THE FOLLOWING MODELS

Suitable for the following Ford engines: 1.4, 1.6 16V, 1.7, 1.8 16V, 2.0 16V (including Zetec), 1.4, 1.6, 1.8, 1.9 D/TD/TDCi

DESCRIPTION

Contains tools for: Locking the flywheel
Locking the crankshaft, pump shaft
Locking the injection pump shaft
Removing the crankshaft pulley
Tensioning the toothed belt
Adjustment gauge for positioning the camshaft and pump shaft in relation to the crankshaft
Use as OEM 21-162, 21-162B, 303-367, 303-376, 23-059, 310-085, 21-168, 303-393, 23-020, 23-047, 23-020, 21-163, 303-620, 23-019, 21-210, 303-507, 21-251, 303-698, 21-262, 303-734, 23-029, 303-1061, 23-058, 310-084, 21-105, 21-262, 303-734, 21-168, 303-393, 21-263, 303-735, Mazda 49JE01061, Audi 3359, T10008, T10050, 2065A, Seat 3359, T10008, T10050, 2065A, Skoda 3359, T10008, T10050, 2065A, Volkswagen 3359, T10008, T10050, 2065A



ART.NR	ITEM NAME	PRICE
BT546003	crankshaft radial seal assembly tool for VAG 2.0 TFSI	7,00 €

DESCRIPTION

For fitting the front crankshaft radial sealing ring
Suitable for 4-cylinder 2.0L TFSI petrol engines, e.g. installed in the Audi A3



ART.NR	ITEM NAME	PRICE
BT595920	camshaft assembly tool set for VAG and Porsche	549,00 €

FOR THE FOLLOWING MODELS

Suitable for the following diesel vehicles (TDI CR) from 2003 onwards: Audi, Porsche, Seat, Skoda, Volkswagen with 1.2, 1.6, 2.0, 2.7, 3.0, 4.0, 4.2 common rail engines

ENGINE CODES

Engine codes ASB, ASE, BKN, BKS, BMK, BNG, BPP, BSG, BTR, BUG, BUN, BVN, CAAA, CAAB, CAAC, CAAD, CAAE, CAGA, CAGB, CAGC, CAHA, CAHB, CAMA, CAMB, CANA, CANB, CANC, CAND, CAPA, CARA, CASA, CASB, CASC, CASD, CATA, CAYA, CAYB, CAYC, CAYD, CAYE, CBAA, CBAB, CBAC, CBBA, CBBB, CBDA, CBDB, CBDC, CCFA, CCFC, CCHA, CCHB, CCLA, CCMA, CCWA, CCWB, CDBA, CDCA, CDSB, CDTA, CDTB, CDUC, CDUD, CDYA, CDYB, CDYC, CEGA, CEXA, CFCA, CFFA, CFFB, CFFD, CFFE, CFFB, CFFC, CFFD, CFHA, CFHB, CFHC, CFHD, CFHE, CFHF, CFJA, CFWA, CGKA, CGKB, CGLA, CGLB, CGLC, CGLD, CGLE, CGQB, CJAA, CJCA, CJCB, CJCC, CJCD, CJGA, CJGC, CJGD, CJMA, CKDA, CKTB, CKTC, CKUB, CKUC, CKVB, CKVC, CLAA, CLAB, CLCA, CLCB, CLJA, CLLA, CLNA, CLZB, CMEA, CMFA, CMFB, CMGB, CMHA, CNEA, CNFA, CNRB, CRCA, CSHA, M05/9D (CAS), M05/9E, M05/9E (CRCA), M05/9E (CRCB)

DESCRIPTION

For installing the camshafts in the correct position
Needed when installing new or existing camshafts; attempting installation without this tool may lead to damage on the camshaft bearing bridge and the cylinder head

DELIVERY SCOPE

Mounting device including pre-assembled parts, use as OEM T40094
Camshaft clamp, use as OEM T40095
2 alignment clamps, use as OEM T40096, T40096/1
4 camshaft brackets for mounting device, use as OEM T40094/1, T40094/2, T40094/9, T40094/10
Interlock for camshaft bracket, use as OEM T40094/11



ART.NR	ITEM NAME	PRICE
BT595910	timing chain test tool set for VAG 1.2, 1.4 TFSi	149,00 €

FOR THE FOLLOWING MODELS

Audi: A1 (2012-2015), A1 Sportback (2012-2015), A3 (2013-2015), A3 (2013-2015), A3 Sportback (2012-2015)

Seat: Ibiza (2012-2017), Leon (2012-2015), Toledo (2012-2017)

Skoda: Fabia II (2010-2015), Fabia III (2014-2017), Octavia II (2010-2013), Octavia III (2010-2015), Praktik (2010-2015), Roomster (2010-2015), Rapid (2015-2017)

Volkswagen: Golf VI & VII (2008-2015), Golf VII Kombi (2008-2017), Jetta (2012-2017), Polo (2012-2017), Sportsvan (2014-2017)

DESCRIPTION

For checking the timing chain elongation on VAG 1.2 and 1.4L TFSi engines

Prevents costly repairs at a later stage due to the timing chain slipping

DELIVERY SCOPE

Timing chain test tool set, use as OEM T10550
Comprises the following tools: Camshaft fixing tool, use as OEM T10550/1; indicator, use as OEM T10550/2; scale sleeve with crankshaft pulley plate, use as OEM T10550/3

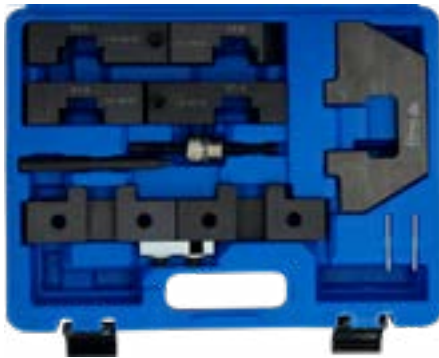


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BMW



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591900	Engine adjustment tool set for BMW 1.6	249,00 €

FOR THE FOLLOWING MODELS

For BMW models 116 1.6 i E81, E87, 316 1.6 i E46, E90 316 1.6 Ci, E46 316 1.6 ti E46

DESCRIPTION

Suitable for timing-chain-driven engines with Vanos, engine code N40, N45, N45T (B16)

DELIVERY SCOPE

- Crankshaft adjusting pin, use as OEM 119190
- Timing chain tensioning tool, use as OEM 119340, 119341
- Camshaft adjustment tool (intake), use as OEM 117252
- Camshaft adjustment tool (exhaust), use as OEM 117251
- Vanos adjustment tool, use as OEM 117260



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591651	Camshaft locking tool for BMW	17,00 €

DESCRIPTION

Suitable for BMW engines in the M57, M57TU, M57T2N47, M47TU, M47T2 series
Also suitable for structurally identical engines in the Range Rover 2.5 DT, Freelander 2.0 TD4, Omega B Y25DT



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591580	Engine adjustment tool set for BMW, MINI, PSA	69,00 €

FOR THE FOLLOWING MODELS

BMW 1.6 (N40, N45, N45T, B16, B16A, B16AC) 1.8, 2.0 (N42, N46, N46T) 2.0, 3.0 (N51, N52, N52K, N53, N54)

PSA 1.4, 1.6 16V (EP3, EP6, EP6DT, EP6DTS)

MINI 1.4, 1.6 (N12, N14)

DESCRIPTION

- For aligning new and old versions of balance shafts
- Prevents non-concentric engine running due to incorrectly aligned balance shafts
- Needed when changing the timing chain, replacing the crankshaft sealing ring, replacing the cylinder head seal etc.
- Use as OEM 115140, 119280, 119330

DELIVERY SCOPE

- Balance shaft fixing tool (old and new version)
- Crankshaft counter support
- Locking pin for chain tensioner



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591515	Balance shaft adjustment tool for BMW N40, N42, N45, N46	11,00 €

DESCRIPTION

For aligning the balance shafts



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT541120	Camshaft assembly tool for BMW N51, N52	249,00 €

DESCRIPTION

- For assembling the discharge camshaft bearing strip
- Needed when replacing the camshaft
- For use in combination with tool Art. BT592000

DELIVERY SCOPE

- Hold-down tool, 2-cylinder, use as OEM 114 461
- 2 M7 screws, use as OEM 114 462
- 6 pressure pieces, use as OEM 114 463



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT551008	Injection pump wheel assembly tool for BMW	15,00 €

FOR THE FOLLOWING MODELS

Suitable for series E46 (318D-320D) (1988, 2005) and E60, E61 (318TD-320TD-525D-530D-530-535) (2000, 2006)

ENGINE CODES

Suitable for BMW engines M47, M47T2, M47TU, M57, M57TU

DESCRIPTION

Holds the gear in place while the injection pump is installed



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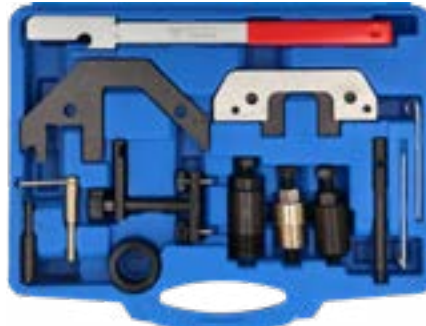
ART.NR	ITEM NAME	PRICE
BT591560	Engine adjustment tool set for BMW M62 Vanos	379,00 €

DESCRIPTION

For inspecting and adjusting the engine control times
Suitable for e.g. engine series: M62B35, M62B44, M62TUB44

DELIVERY SCOPE

- Vanos valve insert, use as OEM 11 6 420
- Chain tensioning aid, use as OEM 11 7 380
- Turning tool, use as OEM 11 6 440
- Sensor wheel tool set, use as OEM 11 6 450, consisting of: Sensor wheel tool for cylinders 1 to 4, use as OEM 11 6 451; sensor wheel tool for cylinders 5 to 8, use as OEM 11 6 452
- Camshaft interlock for cylinders 1 to 4, use as OEM 11 2 445, 11 2 441
- Camshaft interlock for cylinders 5 to 8, use as OEM 11 2 442, 11 2 446
- Chain tensioner, use as OEM 11 3 390
- Crankshaft interlock, use as OEM 11 2 300



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591650	Engine adjustment tool set for BMW Diesel	129,00 €

FOR THE FOLLOWING MODELS

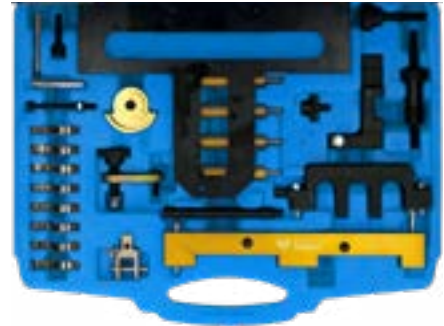
BMW 1, 3, 5, 6, 7, X3, X 5 (series E34-36-38-39-66-83-90-91-92-93)
Land Rover, Range Rover, Freelander
Rover 75, MG, MG ZT
Vauxhall, Opel Omega-B

ENGINE CODES

M41, M51, M47 M47 TU/T2, M57 TU/T2 2.0i/3.0i (1998-2008)
204D3, Td4, Td 6
M47R

DELIVERY SCOPE

- Timing chain counter support, use as OEM BMW 113360, Range Rover LRT-12-115
- Camshaft alignment tool, use as OEM BMW 116321 (116320), Opel KM6267
- Securing bracket alignment tool, use as OEM BMW 116322 (116320)
- Injection pump extractor (long), use as OEM BMW 135120
- Injection pump extractor, use as OEM BMW 135120, Range Rover LRT-12-119
- Injection pump extractor (short), use as OEM BMW 135191, 135192 (135190), Opel KM6270
- Threaded ring, use as OEM BMW 135191, 135192 (135190), Opel KM6270
- Camshaft securing bridge, use as OEM BMW 113320, Rover LRT-12-112
- Crankshaft marking pin, use as OEM BMW 115180
- Crankshaft marking pin, use as OEM BMW 116080
- Tension roller marking pins, use as OEM BMW 113340, Range Rover LRT-12-114, Opel KM-823
- Crankshaft marking pin, use as OEM BMW 112300, Range Rover LRT-12-108



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592100	Engine adjustment tool set for BMW petrol engines	199,00 €

FOR THE FOLLOWING MODELS

BMW 1, 3, 5, X3, Z4 (series E87-46-60-85-83-90-91)

ENGINE CODES

N42, N46, B18-A, B20-A/B

DESCRIPTION

For e.g. installing and removing the camshafts
Checking and adjusting the engine timing

DELIVERY SCOPE

- Clips for intermediate lever, use as OEM 119310
- Bearing bridge clamp, use as OEM 119320
- Knurled screw, use as OEM 119302
- Bracket of eccentric shaft, use as OEM 119301
- Camshaft interlock, use as OEM 119290
- Camshaft interlock (intake), use as OEM 119302
- Clamping tool, use as OEM 119340
- Torsion spring holder, use as OEM 119390
- Camshaft sensor tool, use as OEM 119350
- Retaining screw, use as OEM 119390
- Camshaft key, use as OEM 119270
- Crankshaft marking mandrel (straight), use as OEM 112300
- 3x assembly bolts, use as OEM 119320
- Retaining screw, use as OEM 119290
- Camshaft interlock, use as OEM 119290
- Crankshaft marking mandrel (bent), use as OEM 119190
- Assembly bolt, use as OEM 119320
- Balance shaft rule, use as OEM 119330



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591830	Engine adjustment tool set for BMW, M52, M54, M60, M62	269,00 €

FOR THE FOLLOWING MODELS

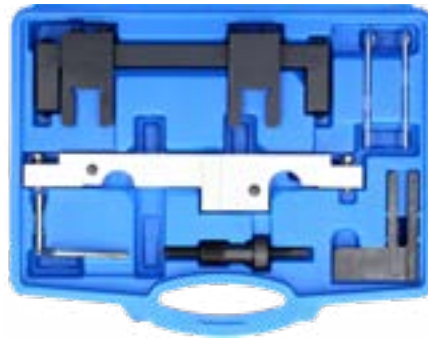
320 E46, 323 E46, 325 E46, 328 E46, 330 E46, 520 E39, 520 E60, 520 E39, 523 E39, 525 E39, 525 E60, 528 E39, 530 E34, 540 E34, 535 E39, 530 E39, 530 E60, 728 E38, 730 E65, 730 E35, 730 E32, 735 E38, 740 E32, 740 E38- X3 E83, X5 E53, Z3, Z4 E85

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Camshaft adjustment tool (M52, M54), use as OEM 11 6 150
 Vanos inspection gauge (M52, M54), use as OEM 11 3 450
 Locking block cylinder 1-4 (M60, M62), use as OEM 11 2 445 or OEM 11 2 441
 Locking block cylinder 5-8 (M60, M62), use as OEM 11 2 442 or OEM 11 2 446
 Chain tensioner (M52, M54), use as OEM 11 4 220
 Chain tensioner (M60, M62), use as OEM 11 4 230
 Crankshaft interlock use as OEM 11 2 300
 Test adapter (M52, M54)
 Chain tensioner pin (M60, M62)



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591570	Engine adjustment tool set for BMW N43	149,00 €

FOR THE FOLLOWING MODELS

1-Series E81, E82, E87, E88 (2006, 2012)
 3-Series E90, E91, E92, E93 (2006, 2012)
 5-Series E60, E61 (2007, 2010)

ENGINE CODES

Engine codes: N43 (B16A/AA), N43 (B20A), N43 (B20AA), N43 (B20AY), N43 (B20KO), N43 (B20UO)

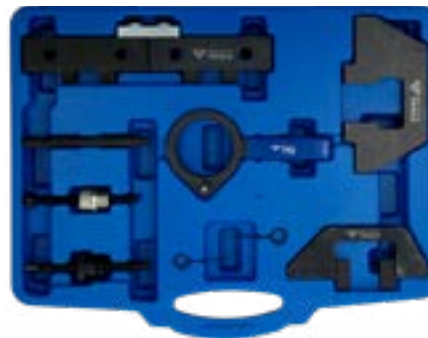
DESCRIPTION

For checking and adjusting the engine timing

Use as OEM tools 113340, 118690, 118691, 118692, 118693, 119340, 119341, 119342, 118710, 118711, 118712, 118700, 115120

DELIVERY SCOPE

Tool for chain tensioner
 Cam shaft fixing tool
 Balance shaft fixing tool
 Crankshaft fixing tool



FITS FOR:



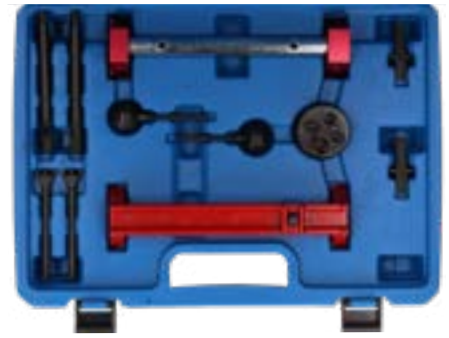
ART.NR	ITEM NAME	PRICE
BT591950	Engine adjustment tool set for BMW M42, M50	179,00 €

DESCRIPTION

For adjusting the camshaft e.g. after replacing the timing chain and cylinder head seal
 Suitable for BMW engines in the M42 and M50 series
 Use as OEM 113240 and 112300

DELIVERY SCOPE

Camshaft interlock
 Flywheel interlock



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592260	Engine adjustment tool set for BMW S54	169,00 €

FOR THE FOLLOWING MODELS

BMW M3 Cabriolet (2000-2006), Sports Coupe (1999-2006), CSL Sport Coupe (2003-2004)

DESCRIPTION

For checking and adjusting the camshaft timing when installing the Vanos adjustment unit on S54 engines
 Use as OEM 119140, 119130, 119170, 117340, 115100, 17160, 112300, 110480



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591580	Engine adjustment tool set for BMW, MINI, PSA	69,00 €

FOR THE FOLLOWING MODELS

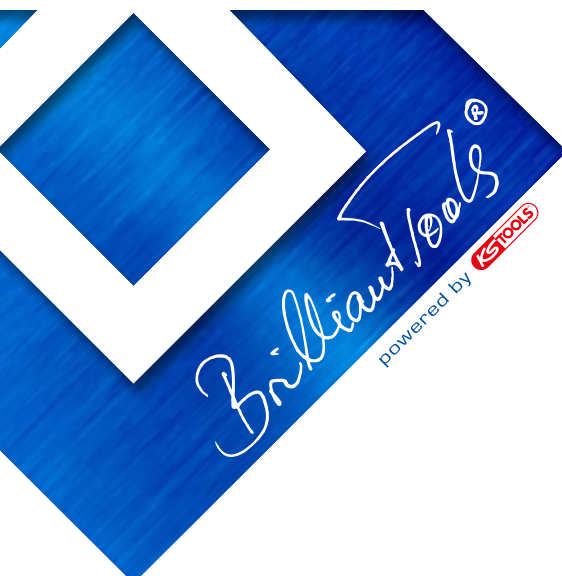
BMW 1.6 (N40, N45, N45T, B16, B16A, B16AC) 1.8, 2.0 (N42, N46, N46T) 2.0, 3.0 (N51, N52, N52K, N53, N54)
 PSA 1.4, 1.6 16V (EP3, EP6, EP6DT, EP6DTS)
 MINI 1.4, 1.6 (N12, N14)

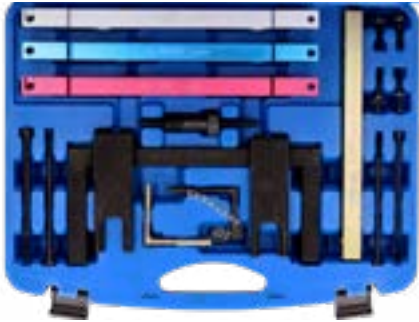
DESCRIPTION

For aligning new and old versions of balance shafts
 Prevents non-concentric engine running due to incorrectly aligned balance shafts
 Needed when changing the timing chain, replacing the crankshaft sealing ring, replacing the cylinder head seal etc.
 Use as OEM 115140, 119280, 119330

DELIVERY SCOPE

Balance shaft fixing tool (old and new version)
 Crankshaft counter support
 Locking pin for chain tensioner





FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592000	engine adjustment tool set for BMW N51, N52, N52K, N53, N54, N55	269,00 €

FOR THE FOLLOWING MODELS

E60 523i, 523Li, 525i, 525Li, 525xi, 528i, 528xi, 530i, 530Li, 530xi, 535i, 535xi
 E61/E63 523i, 525i, 525xi, 530i, 530xi, 535xi, 630i
 E64/E65 630i, 730i
 E66/E70 730Li, X5 3.0Si
 E81/E82 130i, 135is
 E93 325i, 328i, 330i, 335i
 E83 X3 2.5i, 2.5Si, 3.0i, 3.0S
 E85/E86 Z4 2.5i, 2.5Si, 3.0i, 3.0Si, Z4 3.0Si
 E87/E90 130i, 323i, 325i, 325xi, 328i, 328xi, 330i, 330xi, 335i, 335xi
 E91 323i, 325i, 325xi, 328i, 328xi, 330i, 330xi, 335i, 335xi
 E92 323i, 325i, 325xi, 328i, 328xi, 330i, 330xi, 335i

DESCRIPTION

Contains important tools for e.g. installing and removing the camshafts, replacing the toothed belt, checking and adjusting the timing

DELIVERY SCOPE

Flywheel docking tool, use as OEM 110300
 Camshaft fixing tool, use as OEM 114280, 114281, 114282, 114283
 Camshaft sensor wheel retainer, use as OEM 118520
 Camshaft sensor wheel retainer, use as OEM 114290



FITS FOR:



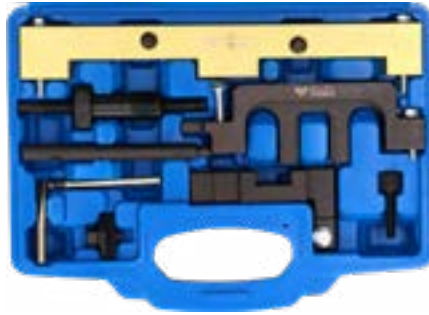
ART.NR	ITEM NAME	PRICE
BT596000	Engine adjustment tools for BMW	15,00 €

ENGINE CODES

M50, M52 TU, M54, S50, S52

DESCRIPTION

For turning the drive sprocket during dismantling and installation of the Vanos adjusting unit
 Use as OEM 11 5 490



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592200	Engine adjustment tool set for BMW N42, N46, N46T	79,00 €

FOR THE FOLLOWING MODELS

E81 (116i, 118i, 120i) E87 (118i, 120i)
 E88 (120i) E46 (316i, 316ti, 316i, 318ci, 318ti)
 E90 (318i, 320i) E91 (318i, 320i) E92 (320i)
 E93 (320i) E60 (520i) E83 (X3 2.0) E85 (Z4 2.0)

DESCRIPTION

For adjusting/checking the engine timing and Vanos unit

DELIVERY SCOPE

Clamping tool, use as OEM 119340
 Sensor wheel adjustment tool, use as OEM 119350
 E-camshaft interlock, use as OEM 119292
 A-camshaft interlock, use as OEM 119291
 Flywheel interlock, use as OEM 115120
 Camshaft alignment, use as OEM 119270
 Screw for interlock tool, use as OEM 119293
 Crankshaft locking bolt, use as OEM 119190



ART.NR	ITEM NAME	PRICE
BT551376	Petrol injection nozzle tool for BMW	65,00 €

DESCRIPTION

For installing and removing petrol injection nozzles
 Suitable for BMW straight-six turbo engines with petrol direct injection from 2009 onwards
 use as BMW OEM 13 0 270



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591810	Engine adjustment tool set for BMW N62, N73	189,00 €

FOR THE FOLLOWING MODELS

E60, E61, E63, E64, E65, E66, E53
 540i, 545i, 550i, 645i, 650i, 735i, 740i, 745i, 750i, 760i, X5

ENGINE CODES

With engines of the following series: N62 B40A, B44A, B48B (year of construction 2003, 2010), N62 B44A, B48B (year of construction 2003, 2010), N62 B36A, B40A, B44A, B48B, N73 B60A (year of construction 2002, 2008), N62 B44A, B48A (year of construction 2003, 2007)

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Holder, Timing chain tensioner, Intake camshaft interlock, Discharge camshaft interlock, Crankshaft interlock, Graduated disc segment, Spacer, Socket, Special ring with indicator, Crankshaft marking pin



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591520	Engine adjustment tool set for BMW N13, N18	119,00 €

FOR THE FOLLOWING MODELS

114i (F20) (N13B16) from 07/2012 onwards
 116i (F20) (N13B16) from 09/2011 onwards
 316i (F30) (N13B16) from 11/2012 onwards
 118i (F20) (N13B16) from 09/2011 onwards
 320i EfficientDynamics (F30) (N13B16) from 11/2012 onwards

DESCRIPTION

For checking and adjusting the camshaft timing e.g. when working on the valve train, replacing the cylinder head seal etc.

Use as BMW OEM 11 7 440, 11 9 340, 49 6 709, 11 9 590, 2299362



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593750	Engine adjustment tool set for MINI	145,00 €

FOR THE FOLLOWING MODELS

Suitable for the following models: MINI One, Cooper, Cooper S, Cooper S JC Cooper S JCW (series R50, 52, 53, 55, 56, 57)

ENGINE CODES

For engine codes W10, W11, N14

DESCRIPTION

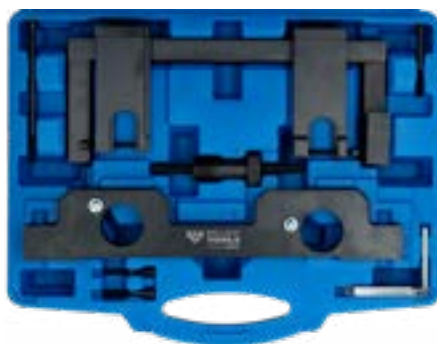
For working on intake and exhaust camshafts

DELIVERY SCOPE

Fixing of camshafts, use as OEM 119551 and 119552

Fixing of crankshaft, use as OEM 119590

Tools for chain tensioner, use as OEM 119340



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591750	Engine adjustment tool set for BMW N20, N26	179,00 €

FOR THE FOLLOWING MODELS

For the following BMW models: 320i (F30) (2.0 l N20B20) from 2012, 328i (F30) (2.0 l N20B20) from 2012 onwards, X1 xDrive20i, sDrive20i (E84) (2.0 l N20B20) 2010-2012

DESCRIPTION

For checking and adjusting the camshaft timing e.g. when working on the valve train, replacing the cylinder head seal etc.

Use as OEM 119340, 2212830, 2212831, 2219548



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591830	Engine adjustment tool set for BMW, M52, M54, M60, M62	269,00 €

FOR THE FOLLOWING MODELS

320 E46, 323 E46, 325 E46, 328 E46, 330 E46, 520 E39, 520 E60, 520 E39, 523 E39, 525 E39, 525 E60, 528 E39, 530 E34, 540 E34, 535 E39, 530 E39, 530 E60, 728 E38, 730 E65, 730 E35, 730 E32, 735 E38, 740 E32, 740 E38- X3 E83, X5 E53, Z3, Z4 E85

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Camshaft adjustment tool (M52, M54), use as OEM 11 6 150

Vanos inspection gauge (M52, M54), use as OEM 11 3 450

Locking block cylinder 1-4 (M60, M62), use as OEM 11 2 445 or OEM 11 2 441

Locking block cylinder 5-8 (M60, M62), use as OEM 11 2 442 or OEM 11 2 446

Chain tensioner (M52, M54), use as OEM 11 4 220

Chain tensioner (M60, M62), use as OEM 11 4 230

Crankshaft interlock use as OEM 11 2 300

Test adapter (M52, M54)

Chain tensioner pin (M60, M62)



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591556	Balancing shaft fixing tool for BMW	9,00 €

DESCRIPTION

For fixing/adjusting the balancing shafts

L-shaped with 9 mm slit

Use as OEM 118700



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591550	Engine adjustment tool set for BMW N47, N47S, N57	35,00 €

FOR THE FOLLOWING MODELS

Installed in the following vehicles: 116d 118d 120d 123d, product line E81 E82 E87 E88 F20, 316d 318d 320d 325d 330d product line E90 E91 E92 E93 F30, 520d 525d 530d 530d GT 535d 535d GT M550d, product line E60 E61 F07 F10 F11, 640d product line F12, 730d 740d 750d, product line F01, X1 1.8d 2.0d 2.3d, product line E84, X3 1.8d 2.0d 3.0d, 3.5d product line E83 F25, X5 3.0d 4.0d M5.0d, product line E70, X6 3.0d 4.0d M5.0d, product line E71

DESCRIPTION

For adjusting and checking the engine timing
Used when installing or removing the camshaft, replacing the timing chain, replacing the cylinder head seal

DELIVERY SCOPE

Crankshaft lathe tool, use as OEM 116480
Camshaft interlock, use as OEM 118760
Sprocket support sleeve, use as OEM 118740, 118741, 118742
Crankshaft gear locking pin, use as OEM 115320

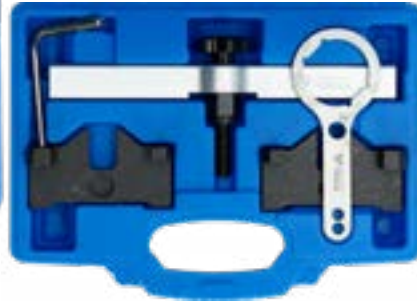


FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591822	Crankshaft holding tool for BMW N47, N57	12,00 €

DESCRIPTION

For holding the crankshaft in place
Use as OEM 114320
Required when replacing the secondary drive chain
Supplementary tool for engine adjustment tool set for BMW Art. BT591550



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591850	Engine adjustment tool set for BMW N63	119,00 €

DESCRIPTION

For adjusting the engine timing when replacing the timing belt, repairing the cylinder head, replacing the cylinder head seal, etc.

DELIVERY SCOPE

Crankshaft interlock, use as OEM 118570, 119190
Camshaft interlock, use as OEM 119890
Knurled screw, use as OEM 119891
Hold-down bar, use as OEM 119892
Snap gauge for intake and discharge camshaft, use as OEM 119893
Spacer, use as OEM 119894



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591824	Crankshaft counter holder for BMW M52TU, M54, M56	89,00 €

DESCRIPTION

For holding the crankshaft pulley while loosening or tightening the middle pulley screw
Enables safe, damage-free assembly/disassembly
Use with 12.5 mm (1/2") ratchet, slide grip etc.



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591823	Crankshaft turning tool for BMW M52, M54, M56	12,00 €

DESCRIPTION

For holding the crankshaft pulley while loosening or tightening the middle pulley screw
Enables safe, damage-free assembly/disassembly
Use as OEM 116480



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591840	Crankshaft counter holder for BMW M52TU, M54, M56	129,00 €

DESCRIPTION

For holding the crankshaft pulley while loosening or tightening the middle pulley screw
Enables safe, damage-free assembly/disassembly



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ART.NR	ITEM NAME	PRICE
BT591870	Engine adjustment tool set for MINI, Citroen, Peugeot 1.6L diesel	15,00 €

FOR THE FOLLOWING MODELS

BMW MINI, MINI Clubman, series R55, R56, R57
Citroen C2, C3, C4, C5, Grand Picasso, Berlingo (MK3), Xsara Picasso
Peugeot 206, 206cc, 207, 207cc, 1007, 307, 308, 308cc, 3008, 5008, Partner (MK3)

ENGINE CODES

Engine codes: BMW: W16D16 (9HZ), W16D16UO, PSA: 9HZ, 9HX, 9HY (DV6TED4)

DESCRIPTION

For adjusting and checking the engine timing
Suitable for the following models with a 1.6L diesel engine

DELIVERY SCOPE

Crankshaft marking pin, use as OEM PSA 0194A, BMW 119790
Marking pins for camshaft and high-pressure pump, use as OEM PSA 0194B, BMW 110300
Flywheel interlock, use as OEM PSA 0194C, BMW 119850, 119851, 119852



ART.NR	ITEM NAME	PRICE
BT591880	Engine adjustment tool set for BMW, Land Rover V8	179,00 €

FOR THE FOLLOWING MODELS

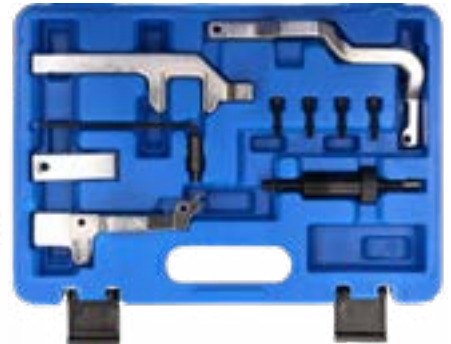
BMW 530i (1994, 1995), 540i (1997, 2003), 740i (1993, 1995), 740iL (1993, 2001), 840Ci (1995, 1996), X5 (2000, 2003)
Range Rover with M60, M62 and M62TU V8 engines

DESCRIPTION

For adjusting and checking the engine timing
Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Discharge camshaft adjustment tool (cylinders 1-4), use as OEM BMW 112445, Rover LRT 12-223/2
Intake camshaft adjustment tool (cylinders 1-4), use as OEM BMW 112441, Rover LRT 12-223/1
Intake camshaft adjustment tool (cylinders 5-8), use as OEM BMW 112442, Rover LRT 12-223/3
Discharge camshaft adjustment tool (cylinders 5-8), use as OEM BMW 112446, LRT 12-223/4
Fixing tools for camshaft adjuster (A-D)
Crankshaft locking pin, use as OEM 112300
Timing chain tensioner, use as OEM 113390



ART.NR	ITEM NAME	PRICE
BT593800	Engine adjustment tool set for MINI, PSA	119,00 €

FOR THE FOLLOWING MODELS

MINI One, Cooper HB, Cooper (R55-56) N12 engine
Citroen C4 (year of construction 2008, 2009), C4 Picasso (year of construction 2008, 2009)
Peugeot 207 (year of construction 2006, 2009), 207CC (year of construction 2007, 2009), 308 (year of construction 2001, 2009)
Engines: 1.4, 1.6 VTi, EP3 (8FS) EP6 (5FW), EP6C 1.6 THP, EP6DT (5FX) EP6DTS (5FY)

DESCRIPTION

Needed when replacing the cylinder head seal and when working on the engine timing

DELIVERY SCOPE

Crankshaft fixer, use as OEM 119590, 0197-BZ
Camshaft fixer, use as OEM 119540, 0197-A1, 0197-A3
Chain tensioner, use as OEM 119340, 0197-M



ART.NR	ITEM NAME	PRICE
BT591825	Timing chain tensioning tool for BMW N63	75,00 €

DESCRIPTION

Needed for adjusting the engine timing
Calibrating the timing without this tool may result in faulty settings
Use as OEM 119900





FITS FOR:

ART.NR	ITEM NAME	PRICE
BT671050	Drive shaft retractor set	89,00 €

FOR THE FOLLOWING MODELS

- M16 x 1.5 mm: for Subaru
- M20 x 1.5 mm: for VW Beetle, Touareg, Porsche Cayenne
- M22 x 1.5 mm: for BMW E30, E46
- M24 x 1.5 mm: for BMW E36, Mercedes W203
- M27 x 1.5 mm: for BMW E32, E34, E38, E39, X5
- M30 x 1.5 mm: for BMW E32, E34, E36

DESCRIPTION

For pulling the drive shaft into the wheel hub
In a standardised industrial bearing
Contains 6 pulling sleeves with various threads



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593750	Engine adjustment tool set for MINI	145,00 €

FOR THE FOLLOWING MODELS

Suitable for the following models: MINI One, Cooper, Cooper S, Cooper S JC Cooper S JCW (series R50, 52, 53, 55, 56, 57)

ENGINE CODES

For engine codes W10, W11, N14

DESCRIPTION

For working on intake and exhaust camshafts

DELIVERY SCOPE

Fixing of camshafts, use as OEM 119551 and 119552
Fixing of crankshaft, use as OEM 119590
Tools for chain tensioner, use as OEM 119340



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT541060	Camshaft assembly tool for BMW N53, N54	125,00 €

DESCRIPTION

For holding down the valve springs when fitting the camshafts
Prevents breakage of the camshaft

DELIVERY SCOPE

Camshaft assembly tool, use as OEM 11 8 550, consisting of:
Valve spring hold-down device, use as OEM 11 8 551
Fixing bolt, use as OEM 11 8 552



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591500	Engine adjustment tool set for BMW M60, M62	109,00 €

DESCRIPTION

For adjusting the camshaft e.g. after replacing the timing chain and cylinder head seal
Suitable for BMW engines in the M60 and M62 series
Use as OEM 112441, 112442, 112445, 112446, 112300, 113390

DELIVERY SCOPE

Camshaft interlock
Flywheel interlock



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591860	Balancing shaft locking tool for BMW N20	37,00 €

DESCRIPTION

For locking the balancing shaft and securing the sprocket
Needed e.g. when carrying out repairs on the chain drive

DELIVERY SCOPE

1 balancing shaft fixing mandrel, use as OEM 2212825
1 sprocket holder, use as OEM 2318117
2 screws PH3 M6 x 1.0 drive external hex SW 10 (length: 26mm)



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT641060	Flywheel locking tool for Citroen, Fiat, Peugeot	4,00 €

FOR THE FOLLOWING MODELS

for Citroen, Fiat, Peugeot
Also suitable for structurally identical engines in BMW, Renault, Mercedes-Benz

DELIVERY SCOPE

Flywheel interlock, use as OEM BMW 119260, Renault MOT 582-01, PSA 0153A, 6012T, 9765.54, Fiat 1860161000, 1867030000, Mercedes-Benz 607589014000

CHEVROLET



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593815	Engine adjustment tool set for Opel, Saab, Buick, Cadillac, Chevrolet 2.8, 3.6 V6	54,00 €

FOR THE FOLLOWING MODELS

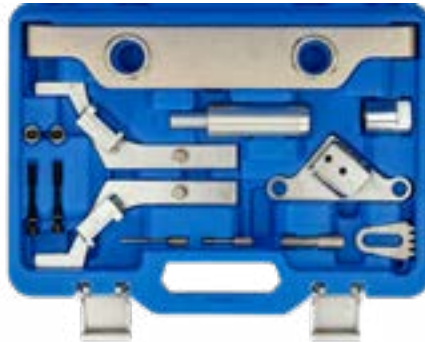
Buick Enclave 3.6, engine code: LY7
 Cadillac SRX, STS, CTS 3.6, engine code: LY7, LLT
 Chevrolet Camaro 2.8, engine code: LTT, LFX
 Opel Insignia 2.8 V6 Turbo, engine code: LAU/A28NER
 Opel Antara 3.2 V6 (from 2007 onwards), engine code: Z32SE
 Saab 9-5 2.8 (2009-2013), engine code: LAU/A28NER

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Camshaft adjustment tools, use as OEM EN-48383-1, EN-48383-2, EN-48383-3
 Flywheel locking tools, use as OEM EN-46106
 Crankshaft turning tool, use as OEM EN-46111



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593870	Engine adjustment tool set for Opel, Saab, Chevrolet 2.0, 2.4	209,00 €

FOR THE FOLLOWING MODELS

Opel Astra, Insignia, Antara
 Chevrolet Captiva, HHR, Malibu
 Saab 9-5
 With engines: OPC, OPC/VXR, Turbo, E85, Turbo T-B

ENGINE CODES

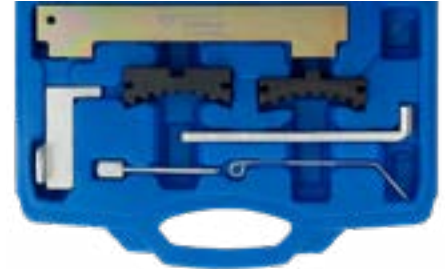
2.0L > LHU, A20NFT, LTG, A20NHT, LDK, A20NHT
 2.4L > A24XE, A24XF, LE5, LE9

DESCRIPTION

For adjusting the engine timing when replacing the timing chain etc.
 Suitable for 2.0 L and 2.4 L petrol turbo engines with dual camshafts

DELIVERY SCOPE

Crankshaft wheel alignment tool, use as OEM EN-48585
 Flywheel locking tool, use as OEM EN-43653, J43653
 Tensioning element locking pin, 2.5 mm, use as OEM EN-955-10, KM 955
 Tensioning element locking pin, 4.0 mm, use as OEM EN-955-20, KM 955-20
 Tensioning tappet resetting tool, use as EN-45027-1, J-45027-1
 Tensioning tappet holder, use as OEM J45027-2, EN45027-2, EN-45027
 Camshaft interlock (left-hand side), use as OEM EN-49212, EN-49212-1
 Camshaft interlock (right-hand side), use as OEM EN-49212, EN-49212-2
 Camshaft adjuster holding tool, use as OEM EN-48953



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591300	Engine adjustment tool set for Opel 1.6, 1.8	33,00 €

DESCRIPTION

Contains tools for locking the camshaft and crankshaft
 Suitable for 1.6 and 1.8 L engines with toothed belt control, installed in models from Opel, Vauxhall, Chevrolet, Fiat, Alfa Romeo (2003-2012), e.g. Astra G, H, Corsa D, Insignia, Meriva, Signum, Vectra C, Zafira B (2003-2011)
 Suitable for Chevrolet Cruze, Orlando 1.4 1.6 1.8 and Fiat Croma, Alfa Romeo 159 with 939A4.000 engines
 Use as OEM tools KM-6628-A, 2000012000, KM-6340, 2000012100, KM-6333, KM-6625, 2000012800, KM-6349, KM 6130, KM-911



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594300	Engine adjustment tool set for Opel, Chevrolet 2.0 CDI	32,00 €

DESCRIPTION

For replacing the toothed belt and checking the timing
 Holds the camshaft and crankshaft in the correct position
 Suitable for 2.0 L common rail diesel engines with engine code Z20DM, Z20DMH, LLWZ20DMH, RA420, Z20SI, Z20S3, Z20S4, Z20S5

DELIVERY SCOPE

Camshaft interlock, use as OEM EN-48245
 Crankshaft interlock, use as OEM EN-48246





INNOVATIVE TOOLS FOR SMART SCREWDRIVERS

CHRYSLER



FITS FOR: Mercedes-Benz CHRYSLER

ART.NR	ITEM NAME	PRICE
BT593560	Engine adjustment tool set for Mercedes-Benz, Chrysler	71,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz 190, C, CLK, E, S, SL, SLK, G, M, Vito, Sprinter, Viano, PT Cruiser, Grand Cherokee

Petrol engines: 1.8, 2.0, 2.2, 2.3, 2.5, 2.8, 3.0, 3.2, 3.3, 4.2, 5.0, 6.0 with engine code 102, 111, 104 (apart from AMG), 119, 120

Diesel engines: 2.0D, 2.2D, 2.3D, 2.5D, 2.5DT, 2.9D, 2.9TD, 3.0D, 3.0DT, 3.5D, 3.5DT, 2.0 CDI, 2.2 CDI, 2.3 CDI, 2.7 CDI, 3.2 CDI, 3.5 CDI, 3.9 CDI, 4.0 CDI, 2.2 CRD, 2.7 CRD • with engine code 601, 604, 605, 611, 646, 612, 602, 603, 606, 612, 613, 646, 647, 648, 628, 603, 613, 628, 648, 646, 602, 603, EDJ

DESCRIPTION

Contains tools for adjusting the camshaft and blocking the crankshaft (flywheel)

DELIVERY SCOPE

Flywheel blocking tool, including 2x M6 x 90mm, use as OEM 601589024000, 8933

Flywheel blocking tool, use as OEM 112589034000

Camshaft locking pin set, use as OEM 602589004000, 8929



FITS FOR: CHRYSLER Jeep

ART.NR	ITEM NAME	PRICE
BT593890	Engine adjustment tool set for Chrysler 2.5 CRD	54,00 €

FOR THE FOLLOWING MODELS

Chrysler Voyager, Grand Voyager R2516C, R2516L, R2816K engines

Jeep Cherokee (year of construction 2001, 2008) 2.5, 2.8 engines

LDV Maxus (year of construction 2005, 2008) VM2516L engines

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Camshaft locking pin (intake), use as OEM VM1052

Camshaft locking pin (exhaust), use as OEM VM1053

Flywheel locking pin (Voyager, Grand Voyager 2.5, 2.8 and LDV Maxus), use as OEM VM1068, VM1089

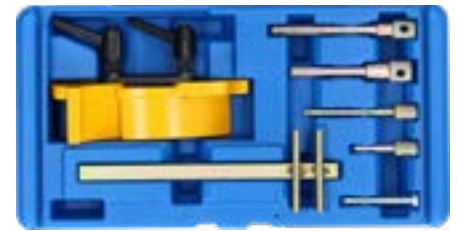
Flywheel locking pin (Jeep Cherokee 2.8), use as OEM VM1080

Flywheel locking pin (Jeep Cherokee 2.5), use as OEM VM8873

Tensioning spanner, use as OEM VM9660

Balance shaft locking pin

Flywheel locking pin



FITS FOR: RENAULT OPEL VOLVO MITSUBISHI CHRYSLER

ART.NR	ITEM NAME	PRICE
BT594570	Engine adjustment tool set for Renault, Opel, Volvo, Mitsubishi, Chrysler	41,00 €

FOR THE FOLLOWING MODELS

Renault: Clio (1990-2013), Espace, Grand Espace (1996-2002), Extra, Rapid, Express (1991-2002), Kangoo (1998-2009), Laguna (1994-2001), Megane (1995-2003), Scenic (1996-2003), Modus, Grand Modus II (2004-2013), Safrane (1992-2001), Trafic (1997-2000), Master II (2000-2003), Twingo (2000-2013), Wind (2011-2013)

Opel: Arena (1997-2001), Movano-A (1999-2006), Vivaro (2001-2007)

Volvo: S40 (1996-2004), V40 (1996-2004)

Mitsubishi: Carisma (2001-2005), Space Star (2000-2006)

Chrysler: Cherokee (1984-1995), Wrangler (1988-1995)

ENGINE CODES

E7F 1.2: 700, 704, 706, 708, 750

D4F 1.2 16v: 702, 704, 706, 708, 712, 714, 716, 722, 728, 730, 740, 742, 764, 772, 780, 782, 784, 786

E7J 1.4: 601, 624, 626, 634, 635, 710, 711, 716, 718, 719, 754, 756, 757, 764, 780

F3P 1.8: 674, 676, 678, 710, 712, 714, 720, 724, 755, 758, 8670, Q7, R7, S724

F7P 1.8 16v: 720, 722

F8Q 1.9D/Di/Turbo: 600, 606, 620, 622, 624, 630, 632, 644, 646, 648, 662, 672/676, 678, 680, 682, 684, 692/696, 714, 722, 724, 730, 732, 776, 784, 786, 788, 790, B640

F9Q 1.9D dTi: F9Q1, F9Q2, 710, 716, 717, 720, 722, 730, 731, 734, 736, 744, 760, 762, 770, 774, 780, 782, 790 D4192T, D4191T2 D4192T3, D4192T4

F3R 2.0: 611, 722, 723, 742, 750, 751, 752, 768, 769, 791, 796, 797, 798

J7R 2.0: 732, 733, 734, 735

F7R 2.0 16V: 700, 714, D710

J7T 2.2 16V: 760, 761

G8T 2.2D/Turbo: 706, 714, 716, 740, 752, 760, 790, 792, 794

DESCRIPTION

For adjusting the engine timing on Renault petrol and diesel engines

DELIVERY SCOPE

Camshaft locking tool, adjustable for DOHC engines

Injection pump wheel fixing mandrel, use as OEM Mot.910

Tension roller key, use as OEM Mot1135-01

Crankshaft fixing mandrel, use as OEM Mot.1318

Crankshaft fixing mandrel, use as OEM Mot.1054

Crankshaft fixing mandrel, use as OEM Mot.910





ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt

Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm

Single camshaft locking tool with short and long locking screw



FITS FOR: **Universal**

ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear

Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly

Continuous adjustment range of the gripping arms from 42 – 82 mm

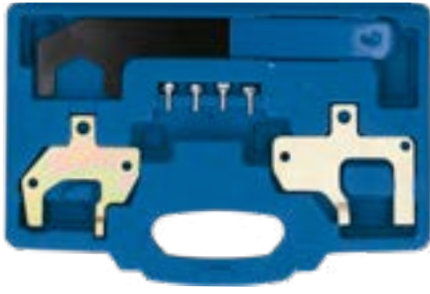
Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm

6-groove puller body with adjusting disc

Spindle, M14 x 1.5, 19 mm hex, with centring cone



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593660	Engine adjustment tool set for Mercedes-Benz M112 + M113	71,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz C-Klasse 240, 280 (202) (1997-)
 Mercedes-Benz C-Klasse 240, 320 (203) (2000-)
 Mercedes-Benz CL 500 (215) (1999-2006)
 Mercedes-Benz CLK 320, 430 (208) (1997-2003)
 Mercedes-Benz CLK 240, 320, 500, 55AMG (209) (2002-2006)
 Mercedes-Benz E-Klasse 240, 280, 320, 430 (210) (1997-2002)
 Mercedes-Benz E-Klasse 240, 320, 500, E55AMG (211) (2003-2006)
 Mercedes-Benz M-Klasse ML320, 350, 430, 500, 55AMG (163) (1997-2005)
 Mercedes-Benz M-Klasse 500 (164) (2005-2007)
 Mercedes-Benz S-Klasse 280, 320, 350, 430, 500 (220) (1998-2005)
 Mercedes-Benz SL 280, 320, 500 (129) (1998-2002)
 Mercedes-Benz SL 350, 500, 55AMG (230) (2001-2008)
 Mercedes-Benz SLK 320K (170) (2000-2004)
 Mercedes-Benz SLK 55AMG (171) (2004-2010)
 Mercedes-Benz R-Klasse 500 (2006-2007)
 Mercedes-Benz Viano 3.0, 3.2, 3.5 (2003-2008)
 Mercedes-Benz Vito 123 (639) (2004-2008)
 Chrysler Crossfire (SRT-6) (2003-2007)

DESCRIPTION

Needed when working on the timing chain or adjusting the engine timing

Holds the left and right camshafts in the adjustment position

DELIVERY SCOPE

Camshaft interlock (right-hand side), use as OEM 112589003200

Camshaft interlock (left-hand side), use as OEM 112589013200

Camshaft spanner, use as OEM 112589000100



FITS FOR: Chrysler Jeep

ART.NR	ITEM NAME	PRICE
BT593670	engine adjustment tool set for Chrysler, Jeep, Dodge 2.8l Diesel	54,00 €

FOR THE FOLLOWING MODELS

Grand Voyager
 Jeep Cherokee
 Wrangler
 Dodge Nitro

ENGINE CODES

Engine codes: VM64C, ENS, ENS (51C), 49C, 50C, ENS VM10D, ENS VM11D

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Camshaft locking tool, use as OEM VM9991

Crankshaft locking tool, use as OEM VM9992

OUR PLANS: BIG.
OUR GROWTH: RAPID

CITROËN

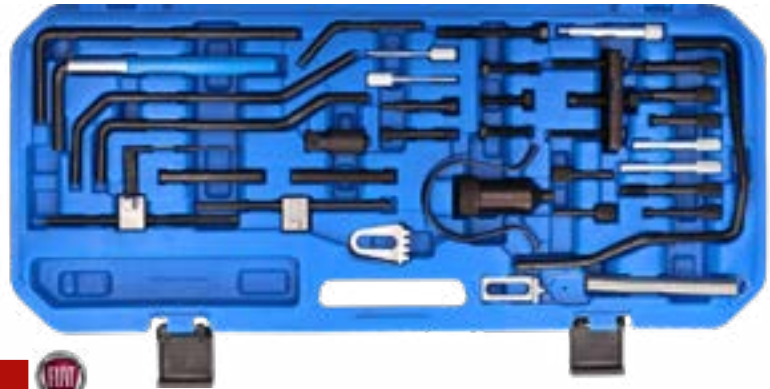


ART.NR	ITEM NAME	PRICE
BT595700	Camshaft locking tool set for VAG, Ford, Opel, Saab	34,00 €

DESCRIPTION
Universal set for a wide range of models

DELIVERY SCOPE

- Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.8, 2.0, use as OEM KM-852, 18G1570
- Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.4, 1.6, use as OEM KM-853
- Right camshaft with Saab 900, 900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-2
- Left camshaft with Saab 900.900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-1
- Crankshaft toothed belt pulley interlock tool for TDI pump-injection engines with VW, Audi, Skoda, Seat and Ford, use as VAG T10050
- Flywheel interlock tools for Citroën, Fiat and Peugeot, use as OEM 153A, 6012T, 9765.54
- Flywheel holder unit for Isuzu 1.5 and 1.7 diesel, Opel 1.6, 1.7 diesel engines, Opel 1.2, 1.4, 1.6, 1.8, 2.0 OHC petrol engines, use as OEM KM-517-B



ART.NR	ITEM NAME	PRICE
BT592250	Engine adjustment tool set for PSA	99,00 €

FOR THE FOLLOWING MODELS

- Petrol 1.0, 1.1, 1.4, 1.5, 1.6, 1.6 16V, 1.8, 1.8 16V, 1.9, 2.0, 2.0 16V, 2.0 Turbo
- Diesel 1.4D, 1.4HDI, 1.5D, 1.7D, 1.7TD, 1.9D, 1.9TD, 2.0Hdi, 2.1TD, 2.1TD, 2.2D, 2.5TD, 2.2Hdi
- Suitable for structurally identical engines in Toyota and Fiat

ENGINE CODES

- 159A, 161A, 171B, 171C, 171D, 180A, 180Z, 3FZ (EW12J4), 4HX (DW12ATED), 4HZ (DW12ATED) 6FZ (EW7J4), A8A, A9A, AJZ, B1A /E /F, B2C, B4A, B6D, B6E, BAY, BDY, BFZ, C1A, CDY, CDZ, D2A /C /E /F, D6A /B /D /E, D8A /B /C, D9B, DDZ, DFZ, DHV /W /X /Y, DJ5 (T9A), DJ5T (T8A), DJY, DJZ, DKZ, EW10J4D, EW7J4, H1A, HDY, HDZ, K1A, K1F, K1G, K2A, K2B, K2D, K3A, K6B, KDX, KDY, KDZ, KFW, KFX, KFY, KFZ, L6A, LFW, LFX, LFY (XU7JP4), LFZ, M4A, NFU, NFX (TU5J4/L3), P8A, P8B, P8C, P9A, PHZ (XUD11), R2A, R6A, R6D, RDZ, RFR, RFN (EW10J4), RFS, RFT, RFU, RFV, RFW, RFX, RFY, RFZ, RGX, RGY, RHW (DW10ATED4), RHY (DW10ATD), RHZ (DW10ATED/L), RLZ(EW10J4D), T8A/THZ (DJ5T), T9A (DJ5), THX (DJ5TED), THY (DK5ATE), TU1/2/3/5/9, TU1/3/5 (HFY, HFZ, KFX, NFZ), TU5J4/L3 (NFX), TU5JP4 (NFU), WJY (DW8B), WJZ (DW8), XU10J2C/Z, XU10J2C/TE/L3, XU10J2TE/Z, XU10J4R/S (RFV/R6E/RFS), XU10J4RS (RFS), XU10J4RS (RFS), XU10-R2A, R5A, R6A, RDZ, XU5-171B, 180A, B1E, XU5-B6D/E, B1A, B1E, B2A, B2B, BDY, BDZ, XU5JP (BFZ), XU7JP4 (LFY), XU7-L6A, LFW, LFX, LFZ, XU9.D2H, D6A, D6B, D6D, DDZ, DKZ, DFZ, XU9-D2A/D, XU9J4, XUD 11 BTE (P8C), XUD11A, XUD11ATE, XUD7 (A9A), XUD7TE, XUD9 (DHY), XUD9A (D9B/DJY), XUD9AU (D8C), XUD9SD (DHW), XUD9TF (D8B), XUD9UTF (DHX), XUD9Y (DJZ)

DESCRIPTION

For adjusting the engine timing e.g. when replacing the toothed belt

DELIVERY SCOPE

- Clamping tool, use as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0188Q1, 0132X1Z, 0132X
- Camshaft adjustment pin 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ
- 2 crankshaft/camshaft adjustment pins, use as OEM 0153ZY, 4507-TB, 0153AB, 9041-TZ, 0132R, 9767.27
- Flywheel locking pins, use as OEM 4507-TL, 0189C

Adjustment tool, angled, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N

DELIVERY SCOPE

- Bolts M8 x 35 mm / M8 x 40 mm / M8 x 70 mm
- Flywheel adjustment pin, 7 mm, use as OEM 7017-TR
- Flywheel adjustment pin, 8 mm, use as OEM 1 860 863 000, OUT0000127, 0153N, 0288D, 7099-TM, 0188Y, 0188D
- Flywheel adjustment pin with spring, use as OEM 0188X, 0189X
- Camshaft adjustment pin, use as OEM 18G 1580, 11 9 790, 5711-TD, 21-260, 07744-1110400, 303-732, 4527-T.52, 07744-00104-00, 1 860 617 000, 0132AB, 999 7169, 0178D
- Injection pump adjustment pin, use as OEM 0188H
- Crankshaft/camshaft adjustment pin, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01 061, 21-263
- Injection pump adjustment pin, use as OEM 4527-T.51
- Camshaft adjustment pin (CA1), use as OEM 4533-TAC1, 0132AJ1
- Camshaft adjustment pin (CA2), use as OEM 0132AJ2, 2000 023 000, 0188M, 4533-TAC2
- 2 camshaft adjustment pins, use as OEM 9041-TZ, 5711-TC
- Camshaft adjustment pin, use as OEM 0189A, 1 871 008 100
- Camshaft adjustment pin, use as OEM 0189AZ
- Intake camshaft adjustment pin (VTC), use as OEM 0189L
- Tension lever, use as OEM 5711-TE, 0178E, 0188J/J1
- Flywheel locking tool, use as OEM 0188F, 0134Q, 1 870 765 001, 1 870 827 000, 0134AF, 9044-T, 1 871 000 400
- Hdi tension lever, use as OEM 0188J2
- Tensioning spanner, 8 mm, use as OEM 7017-TW
- Toothed belt retaining clip, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100
- Flywheel locking tool, use as OEM 1 867 030 000, 0153A, 9765.54, 6012T, 1 860 161 000
- Roller extractor, use as OEM 0174, 0188P, 018892, 7015-T



ART.NR	ITEM NAME	PRICE
BT592860	Engine adjustment tool set for Ford TDCi, PSA HdI, Mazda D 1.4, 1.6	5,00 €

FOR THE FOLLOWING MODELS

Citroen 1.4HDi DV4TD (8HT/8HW/8HX/8HZ), 1.4HDi DV4TED4 (8HV/8HY), 1.6HDi DV6TED4 (9HY/9HZ), 1.6HDi DV6ATED4 (9HW/9HX), 1.6HDi DV6UT-ED4(9HU)
 Mazda 1.4CITD F6JA, F6JB 1.6CITD Y6
 Peugeot 1.4HDi DV4TD (8HT/8HW/8HX/8HZ), 1.4HDi DV4TED4 (8HV/8HY), 1.6HDi DV6TED4 (9HY/9HZ), 1.6HDi DV6ATED4 (9HW/9HX), 1.6HDi DV6UT-ED4(9HU)
 Ford 1.4TDCi F6JA, F6JB, F6JC, F6JD 1.6TDCi G8DA, G8DB, HHDA 1.6TDCi HHDB, HHJA, HHJB, HHJD
 Volvo 1.6D D4164T

DESCRIPTION

For adjusting the engine timing when replacing the camshaft, cylinder head seal etc.

DELIVERY SCOPE

Flywheel locking bolt, use as OEM PSA 0194-C, Ford 303-734 (21-262), Volvo 999-7169, Mazda 49 JE02 020
 Crankshaft and high-pressure pump wheel locking pin, 2 pcs, use as OEM PSA 0194-A, Ford 303-732 (21-260), Volvo 999-7233, Mazda 49 JE02 018
 Crankshaft and high-pressure pump wheel locking pin, 2 pcs, use as OEM PSA 0194-A, Ford 303-732 (21-260), Volvo 999-7233, Mazda 49 JE02 018



ART.NR	ITEM NAME	PRICE
BT592300	Engine adjustment tool set for PSA 1.8, 2.0 16V petrol	45,00 €

FOR THE FOLLOWING MODELS

Citroen C5 1.8, 2.0 HPi (2002, 2005) Xsara 2.0 16V (2002, 2005) Xsara, Picasso 1.8, 2.0 16V (2002, 2005)
 Peugeot 406 1.8 16V (2000, 2004), 807 2.0 16V (2002, 2005)
 Engine codes 6FZ (EW7J4) FRN (EW10J4, L4, 5) RLZ (EW10D)

DESCRIPTION

Contains important tools for checking and adjusting the engine timing when replacing the toothed belt and carrying out repairs on the engine

DELIVERY SCOPE

Tension roller locking tools, use as OEM 0189S2
 Tool for tensioner, use as OEM 0178E, 5711TE, 178J/J2
 Tools for tensioner, use as OEM 0188J2
 Adjustment tools for tensioning unit, use as OEM 0189S1
 Locking pins, use as OEM 0132AB, 0194A, 0178D
 Locking pin, use as OEM 0194B
 Locking pin, use as OEM 0188M
 Locking pin, use as OEM 0189B
 Flywheel locking tools, use as OEM 0189R
 Interlock for tensioning unit, use as OEM 7017TR, 0153U
 Adjustment tools for crankshaft wheel, use as OEM 0188AH



ART.NR	ITEM NAME	PRICE
BT592520	Engine adjustment tool set for Fiat Ducato, Peugeot Boxer, Citroën Jumper 2.3 D JTD, 3.0 JTD, HDi	50,00 €

FOR THE FOLLOWING MODELS

Citroen Relay/Jumper III
 Fiat Ducato
 Iveco Daily (03-10), Daily/EcoDaily (2009-2011)
 Peugeot Boxer III (2006-2012)
 2.3D, 2.3 JTD F1AE0418A, F1AE0481B, F1AE0481C, F1AE0418D, F1AE0481F, F1AE0481FA, F1AE0481G, F1AE0481H, F1AE0481HA, F1AE0481N, F1AE-0481UA.F1AE0481VA
 3.0JTD F1CE0481A, F1CE0481B, F1CE0481D, F1CE0481F, F1CE0481H, F1CE3481M
 3.0HDi F30DTE, F1CE0481D, F1CE3481DM, F1CE3481N

DESCRIPTION

Use as OEM Fiat 99360187, 99360614, 99360615, 1860617000, 1860815000, 20000180200, Citroën/Peugeot 0191-2A, 0191-2B, 0191-2J, 0191-2K

DELIVERY SCOPE

2 camshaft fixing mandrels
 1 crankshaft fixing mandrel

**OUR CUSTOMERS:
 EVERYONE WHOSE HEART BEATS FOR QUALITY.**



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593750	Engine adjustment tool set for MINI	145,00 €

FOR THE FOLLOWING MODELS

Suitable for the following models: MINI One, Cooper, Cooper S, Cooper S JC Cooper S JCW (series R50, 52, 53, 55, 56, 57)

ENGINE CODES

For engine codes W10, W11, N14

DESCRIPTION

For working on intake and exhaust camshafts

DELIVERY SCOPE

Fixing of camshafts, use as OEM 119551 and 119552

Fixing of crankshaft, use as OEM 119590

Tools for chain tensioner, use as OEM 119340



FITS FOR:
IVECO

ART.NR	ITEM NAME	PRICE
BT594460	Engine adjustment tool set for PSA 2.5, 2.8 l diesel	12,00 €

FOR THE FOLLOWING MODELS

Citroen, Peugeot, Fiat, Iveco Traffic (1980-2000), Master (1980-2007), Mascot (1999-2007)

Fiat, PSA, Renault Daily (1991-2005), Turbo Daily (1994-2000), Relay, Jumper (2001-2002) Boxer (2000-2006), Arena (1997-2001), Movano (1998-2003)

DESCRIPTION

Use as OEM Fiat 1 870 667 000, 1 870 765 001, 1 860 617 000, Renault MOT861, MOT1054, MOT863, Opel KM6031, Ford 21-260, 303-732, Peugeot 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Citroen 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Mazda 49 JE 02018, 0991246510, Volvo 999-7169

DELIVERY SCOPE

2 locking bolts

Flywheel locking bolt

Holding tool for toothed belt tensioner



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591580	Engine adjustment tool set for BMW, MINI, PSA	69,00 €

FOR THE FOLLOWING MODELS

BMW 1.6 (N40, N45, N45T, B16, B16A, B16AC) 1.8, 2.0 (N42, N46, N46T) 2.0, 3.0 (N51, N52, N52K, N53, N54)

PSA 1.4, 1.6 16V (EP3, EP6, EP6DT, EP6DTS)

MINI 1.4, 1.6 (N12, N14)

DESCRIPTION

For aligning new and old versions of balance shafts

Prevents non-concentric engine running due to incorrectly aligned balance shafts

Needed when changing the timing chain, replacing the crankshaft sealing ring, replacing the cylinder head seal etc.

Use as OEM 115140, 119280, 119330

DELIVERY SCOPE

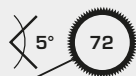
Balance shaft fixing tool (old and new version)

Crankshaft counter support

Locking pin for chain tensioner

BT022992
EAN 4042146844960
1/2" telescopic reversible ratchet

22,- €





FITS FOR:



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592320	Balance shaft adjustment tool set for Land Rover, Citroen, Mitsubishi, Peugeot, Ford 2.2 DOHC diesel engines	42,00 €

FOR THE FOLLOWING MODELS

Land Rover Discovery, Discovery Sport, Freelander 2, eD4, TD4, TD4e (2009-2015) engine codes: 224DT, DW12CTED4/224DT, DW12BTED4/224DT

Citroen C5, C5 II, C5 III, C6, C8, C-Crosser HDi (200-2015) engine codes: 4HX (DW12CTED4), 4HP (DW12BTED4), 4HX (DW12TED4), 4HW (DW12TED4/L4)

Mitsubishi Outlander Di-D, Di-DC (2007-2013) engine codes: 4HK, 4HN

Peugeot 4007, 407, 607, 807, 406, 508, 607, HDi, GT HDi (2000-2015) engine codes: DW12MTED4 (4HK), DW12MTED4 (4HN), DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HT), DW12TED4/L4 (4HW), DW12BTED4 (4HS), DW12ATED (4HZ), DW12ATED4 (4HX), DW12ATED (4HZ), DW12CTED4 (4HL)

Ford Galaxy, Mondeo, S-Max, TDCI, TCI (2008-2015) engine codes: KNBB, KNBA, KNWA, G4BA

DESCRIPTION

For adjusting the balance shaft

DELIVERY SCOPE

Balance shaft fixing tool, use as OEM 303-1329

Balancing tool, use as OEM 303-1330

Balance shaft adjustment tool, use as OEM 303-1328, 0190D

ART.NR	ITEM NAME	PRICE
BT597940	Engine adjustment tool set for Peugeot, Citroën, PSA	89,00 €

FOR THE FOLLOWING MODELS

Citroën AX, Berlingo, BX, C5, C15, C25, Dispatch, Evasion, Jumper, Jumpy, Relay, Saxo, Synergie, Visa, Xsara, Xantia, XM, XJR, ZX, etc.

Peugeot 106, 205, 306, 405, 406, 605, 806, J5, Boxer, Expert, Partner, Solara, Talbot Express, Talbot Horizon, etc.

PSA petrol engines 1.9, 1.1, 1.4, 1.6, 1.8, 1.9, 2.0, 1.6, 1.8, 2.0, 2.2 16V (turbo and dual camshafts)

PSA diesel engines 1.4, 1.5, 1.7, 1.8, 1.9, 2.1, 2.5 D, TD, TDI, 1.4, 1.6, 2.0, 2.2 HDI

Suitable for structurally identical engines in Fiat, Ford, Nissan, Renault, Rover, Toyota, etc.

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Flywheel adjustment pin with spring, use as OEM 0188X, 0189X

Tensioning spanner, 8 mm, use as OEM 7017-TW

Flywheel fixing mandrel, 7 mm, use as OEM 7017-TR

Angled adjustment pin, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N

Clamping tool, use as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0132X

Camshaft marking mandrel, use as OEM 0189A, 1 871 008 100

Hdi tension roller lever, use as OEM 0188J2

Tension roller lever, use as OEM 5711-TE, 0178E, 0188J/J1

Flywheel disc extractor, use as OEM 0174.0188P, 018892, 7015-T

Toothed belt retaining clamp, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100

Flywheel retainer, use as OEM 0195K, 4507-TL

Clamping tool, use as OEM 0189S1

Flywheel retainer, use as OEM 1867030000, 0153A, 9765.54, 6012T, 1860161000

Tension lever, use as OEM 0189S2

Angled locking pin, 5 mm

Flywheel fixing mandrel (for automatic transmission), use as OEM 0189R

Camshaft marking mandrel, use as OEM 0189AZ

Crankshaft retainer, use as OEM 0288D, 0188Y, 7014

Flywheel fixing mandrel (manual transmission), use as OEM 0189C

Flywheel interlock, use as OEM 0188F, 0134Q, 1870765001.1870827000, 0134AF, 9044-T, 1871000400

Camshaft marking mandrel (CA1), use as OEM 4533-TAC1, 0132AJ1

Camshaft and crankshaft retainer, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01061, 21-263

Camshaft marking mandrel (CA2), use as OEM 0132AJ2, 2000023000, 0188M, 4533-TAC2

Marking mandrel for injection pump, use as OEM 4527-TS1

Injection pump fixing mandrel, use as OEM 0188H, 1 860 965 000

Flywheel fixing mandrel, use as OEM 49JE02020, 0194C, 21-262, 999-7121, 999-7169, 303-734

2 camshaft and crankshaft marking mandrels, use as OEM 4507-TB.7014-TN, 0132-R, 0153-AB, 0158-G

2 camshaft and crankshaft interlocks, use as OEM KM-955, 7014-TM

2 camshaft marking mandrels, use as OEM 9041-TZ, 5711-TC

2 crankshaft fixing mandrels, use as OEM 5711-TD, 119790, 0194A, 1860617000, 303-732, 07744-00104-00, 49JE02018, 0178D, 9997169, 4527-TS2, 21-260, 999-7169, 0132AB

Camshaft fixing mandrel, use as OEM 0189L

Screw M8 x 80 mm

Pin for clamping device, 3 mm, use as OEM 0153AL, 4200TA

Centring clip for crankshaft pulley, use as OEM 0188AH

Crankshaft marking mandrel, 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593750	Engine adjustment tool set for MINI	145,00 €

FOR THE FOLLOWING MODELS

Suitable for the following models: MINI One, Cooper, Cooper S, Cooper S JCW Cooper S JCW (series R50, 52, 53, 55, 56, 57)

ENGINE CODES

For engine codes W10, W11, N14

DESCRIPTION

For working on intake and exhaust camshafts

DELIVERY SCOPE

Fixing of camshafts, use as OEM 119551 and 119552
Fixing of crankshaft, use as OEM 119590
Tools for chain tensioner, use as OEM 119340



FITS FOR:

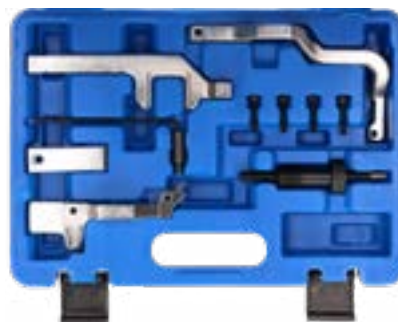
ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear
Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly
Continuous adjustment range of the gripping arms start from 42 – 82 mm
Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm
6-groove puller body with adjusting disc
Spindle, M14 x 1.5, 19 mm hex, with centring cone



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593800	Engine adjustment tool set for MINI, PSA	119,00 €

FOR THE FOLLOWING MODELS

MINI One, Cooper HB, Cooper (R55-56) N12 engine
Citroen C4 (year of construction 2008, 2009), C4 Picasso (year of construction 2008, 2009)
Peugeot 207 (year of construction 2006, 2009), 207CC (year of construction 2007, 2009), 308 (year of construction 2001, 2009)
Engines: 1.4, 1.6 VTI, EP3 (8FS) EP6 (5FW), EP6C 1.6 THP, EP6DT (5FX) EP6DTS (5FY)

DESCRIPTION

Needed when replacing the cylinder head seal and when working on the engine timing

DELIVERY SCOPE

Crankshaft fixer, use as OEM 119590, 0197-BZ
Camshaft fixer, use as OEM 119540, 0197-A1, 0197-A3
Chain tensioner, use as OEM 119340, 0197-M



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles start from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt
Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm
Single camshaft locking tool with short and long locking screw



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597990	Engine adjustment tool set for Peugeot, Citroën 1.0, 1.2 Vti	105,00 €

FOR THE FOLLOWING MODELS

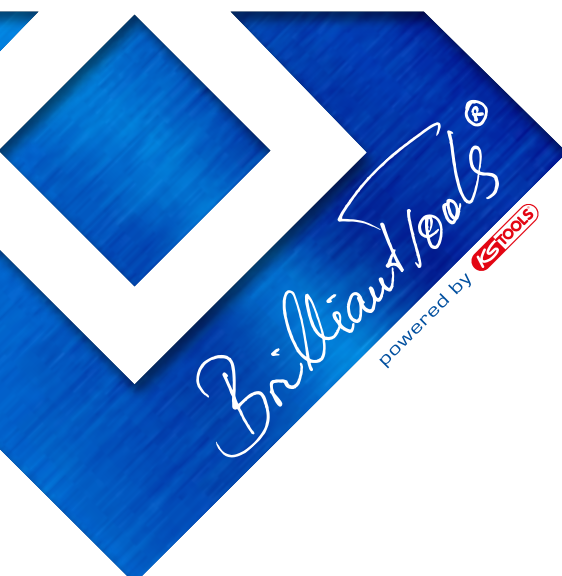
Peugeot 208, 2008 (2012 to 2014)
Citroen C3 (III)

ENGINE CODES

EBO (ZMZ), EB2 (HMZ)

DESCRIPTION

For checking and adjusting the engine timing
Needed e.g. when working on the valve train and replacing the cylinder head seal





FITS FOR:



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593160	Engine adjustment tool set for Jaguar, Land Rover, Ford, Citroën 2.0, 2.2, 2.4, 3.2 diesel	105,00 €

FOR THE FOLLOWING MODELS

Ford Mondeo (2000 - 2007), Transit (2000 - 2011)
 Citroën Relay (2006 - 2011), Jumper III
 Fiat Ducato (2006 - 2011)
 Jaguar X-Type (2001 - 2010)
 Land Rover Defender (2007 - 2011)
 LDV Convoy (2002 - 2006)
 with DURATORQ (PUMA) diesel engines

ENGINE CODES

2.0L engine code ABFA, D3FA, D5BA, D6BA, F3FA, F1FA, FMBA, HJBA, HJBB, HJBC, HJBE, N7BA, N7BB
 2.2L (with chain-driven high-pressure pump), engine code QJBA (BG), QJBB, QJBC, QJBD
 2.2L (high-pressure pump driven via camshaft), engine code 4HM, 4HU, 4HV, P8FA, P22DTE, QVFA, QWFA
 2.4L with engine code 244DT, DOFA, D2FA, D2FB, D4FA, F4FA, FXFA, H9FA, H9FB, HE FA, HFFA, JXFA, PHFA, ZSD 424
 3.2L with engine code SAFA (timing only)

DESCRIPTION

For checking and adjusting the engine timing
 Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Engine cover adjustment tool, use as OEM 303-682
 Tool for engine cover/crankshaft radial sealing ring, use as OEM 303-679A
 High-pressure pump wheel holding tool, use as OEM 303-1151
 High-pressure pump wheel disassembly tool, use as OEM 303-249
 Flywheel locking bolt, use as OEM 303-675
 Flywheel locking bolt, use as OEM 303-698
 Locking pin set, 3 pcs, 6 mm
 Tensioner locking pin, 2 mm

ART.NR	ITEM NAME	PRICE
BT593180	Engine adjustment tool set for Jaguar, Land Rover 2.7, 3.0 TD V6	67,00 €

FOR THE FOLLOWING MODELS

Citroën C5 III (2007 - 2009), C6 (2005 - 2009)
 Jaguar S-Type (2004 - 2008), XF (2008 - 2012), XJ (2010 - 2012), XJ6 (2005 - 2010)
 Range Rover Sport (2005 - 2009)
 Peugeot 407 (2004 - 2009), 407 Coupe (2006 - 2009), 607 (2004 - 2011) 2.7TD V6, TDVi (276DT) 2.7D HDi (DT17BTED4) (JHZ) 3.0D HDi (D20CTED4) (X8Z) 3.0D SD V6, TD V6 (306DT) (AJ-V6D)

DESCRIPTION

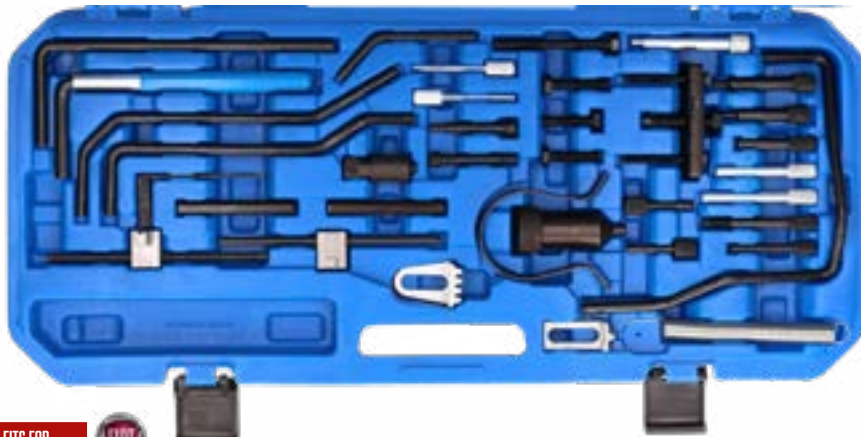
For checking and adjusting the engine timing
 Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Flywheel interlock (manual), use as OEM (Rover) 303-1116
 Flywheel interlock (automatic), use as OEM (Rover) 303-1117
 Camshaft sprocket adjustment pin, use as OEM (Rover) 303-1132
 Camshaft sprocket adjustment pin, 2 pcs, use as OEM (Rover) 303-1126, (PSA) 0195H
 Water pump locking pin, use as OEM (PSA) 0195-C
 Flywheel locking tool, use as OEM (PSA) 0195-K
 Toothed belt retaining clip, use as OEM (PSA) 0188-K



FIAT



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592250	Engine adjustment tool set for PSA	99,00 €

FOR THE FOLLOWING MODELS

Petrol 1.0, 1.1, 1.4, 1.5, 1.6, 1.6 16V, 1.8, 1.8 16V, 1.9, 2.0, 2.0 16V, 2.0 Turbo

Diesel 1.4D, 1.4HDI, 1.5D, 1.7D, 1.7TD, 1.9D, 1.9TD, 2.0Hdi, 2.1TD 2.1TD, 2.2D, 2.5TD, 2.2Hdi

Suitable for structurally identical engines in Toyota and Fiat

ENGINE CODES

159A, 161A, 171B, 171C, 171D, 180A, 180Z, 3FZ (EW12J4), 4HX (DW12ATED), 4HZ (DW12ATED) 6FZ (EW7J4), A8A, A9A, AJZ, B1A /E /F, B2C, B4A, B6D, B6E, BAY, BDY, BFZ, C1A, CDY, CDZ, D2A /C /E /F, D6A /B /D /E, D8A /B /C, D9B, DDZ, DFZ, DHV /W /X /Y, DJ5 (T9A), DJ5T (T8A), DJY, DJZ, DKZ, EW10J4D, EW7J4, H1A, HDY, HDZ, K1A, K1F, K1G, K2A, K2B, K2D, K3A, K6B, KDX, KDY, KDZ, KFW, KFX, KFY, KFZ, L6A, LFW, LFX, LFY (XU7JP4), LFZ, M4A, NFU, NFX (TU5J4/L3), P8A, P8B, P8C, P9A, PHZ (XUD11), R2A, R6A, R6D, RDZ, RFR, RFN (EW10J4), RFS, RFT, RFU, RFV, RFW, RFX, RFY, RFZ, RGX, RGY, RHW (DW10ATED4), RHY (DW10ATD), RHZ (DW10ATED/L), RLZ(EW10J4D), T8A/THZ (DJ5T), T9A (DJ5), THX (DJ5TED), THY (DK5ATE), TU1/2/3/5/9, TU1/3/5 (HFY, HFZ, KFX, NFZ), TU5J4/L3 (NFX), TU5JP4 (NFU), WJY (DW8B), WJZ (DW8), XU10J2C/Z, XU10J2CTE/L3, XU10J2TE/Z, XU10J4R/S (RFV/R6E/RFS), XU10J4RS (RFS), XU10J4RS (RFS), XU10-R2A, R5A, R6A, RDZ, XU5-171B, 180A, B1E, XU5-B6D/E, B1A, B1E, B2A, B2B, BDY, BDZ, XU5JP (BFZ), XU7JP4 (LFY), XU7-L6A, LFW, LFX, LFZ, XU9.D2H, D6A, D6B, D6D, DDZ, DKZ, DFZ, XU9-D2A/D, XU9J4, XUD 11 BTE (P8C), XUD11A, XUD11ATE, XUD7 (A9A), XUD7TE, XUD9 (DHY), XUD9A (D9B/DJY), XUD9AU (D8C), XUD9SD (DHW), XUD9TF (D8B), XUD9UTF (DHX), XUD9Y (DJZ)

DESCRIPTION

For adjusting the engine timing e.g. when replacing the toothed belt

DELIVERY SCOPE

Clamping tool, use as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0188Q1, 0132X1Z, 0132X

Camshaft adjustment pin 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ

2 crankshaft/camshaft adjustment pins, use as OEM 0153ZY, 4507-TB, 0153AB, 9041-TZ, 0132R, 9767.27

Flywheel locking pins, use as OEM 4507-TL, 0189C

Adjustment tool, angled, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N

Bolts M8 x 35 mm / M8 x 40 mm / M8 x 70 mm

Flywheel adjustment pin, 7 mm, use as OEM 7017-TR

Flywheel adjustment pin, 8 mm, use as OEM 1 860 863 000, OUT0000127, 0153N, 0288D, 7099-TM, 0188Y, 0188D

Flywheel adjustment pin with spring, use as OEM 0188X, 0189X

Camshaft adjustment pin, use as OEM 18G 1580, 11 9 790, 5711-TD, 21-260, 07744-1110400, 303-732, 4527-T.S2, 07744-00104-00, 1 860 617 000, 0132AB, 999 7169, 0178D

Injection pump adjustment pin, use as OEM 0188H

Crankshaft/camshaft adjustment pin, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JED1 061, 21-263

Injection pump adjustment pin, use as OEM 4527-T.S1

Camshaft adjustment pin (CA1), use as OEM 4533-TAC1, 0132AJ1

Camshaft adjustment pin (CA2), use as OEM 0132AJ2, 2000 023 000, 0188M, 4533-TAC2

2 camshaft adjustment pins, use as OEM 9041-TZ, 5711-TC

Camshaft adjustment pin, use as OEM 0189A, 1 871 008 100

Camshaft adjustment pin, use as OEM 0189AZ

Intake camshaft adjustment pin (VTC), use as OEM 0189L

Tension lever, use as OEM 5711-TE, 0178E, 0188J/J1

Flywheel locking tool, use as OEM 0188F, 0134G, 1 870 765 001, 1 870 827 000, 0134AF, 9044-T, 1 871 000 400

Hdi tension lever, use as OEM 0188J2

Tensioning spanner, 8 mm, use as OEM 7017-TW

Toothed belt retaining clip, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100

Flywheel locking tool, use as OEM 1 867 030 000, 0153A, 9765.54, 6012T, 1 860 161 000

Roller extractor, use as OEM 0174, 0188P, 018892, 7015-T



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592700	Engine adjustment tool set for Alfa Romeo, Fiat 1.4 MultiAir	69,00 €

FOR THE FOLLOWING MODELS

Alfa Romeo Giulietta, Mito, Fiat Punto, Punto Evo 1.4 (Turbo) MultiAir (105/135/163/170PS)

Engine codes: 940A2.000, 940A2.000, 955A8.000, 955A8.000, 940A2.000, 955A8.000, 955A2.000, 955A7.000, 955A6.000, 955A8.000

DESCRIPTION

For adjusting the engine timing when replacing the toothed belt

DELIVERY SCOPE

Camshaft adjustment tool including 3 fastening screws, use as OEM 2000034400

Crankshaft locking tool including 4 fastening screws, use as OEM 2000004500

Tension roller key, use as OEM 1860987000



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592520	Engine adjustment tool set for Fiat Ducato, Peugeot Boxer, Citroën Jumper 2.3 D JTD, 3.0 JTD, HDi	50,00 €

FOR THE FOLLOWING MODELS

Citroen Relay/Jumper III
Fiat Ducato
Iveco Daily (03-10), Daily/EcoDaily (2009-2011)
Peugeot Boxer III (2006-2012)
2.3D, 2.3 JTD F1AE0418A, F1AE0481B, F1AE0481C, F1AE0418D, F1AE0481F, F1AE0481FA, F1AE0481G, F1AE0481H, F1AE0481HA, F1AE0481N, F1AE0481UA, F1AE0481VA
3.0JTD F1CE0481A, F1CE0481B, F1CE0481D, F1CE0481F, F1CE0481H, F1CE3481M
3.0HDi F30DTE, F1CE0481D, F1CE3481DM, F1CE3481N

DESCRIPTION

Use as OEM Fiat 99360187, 99360614, 99360615, 1860617000, 1860815000, 20000180200, Citroën/Peugeot 0191-2A, 0191-2B, 0191-2J, 0191-2K

DELIVERY SCOPE

2 camshaft fixing mandrels
1 crankshaft fixing mandrel



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594460	Engine adjustment tool set for PSA 2.5, 2.8 l diesel	12,00 €

FOR THE FOLLOWING MODELS

Citroen, Peugeot, Fiat, Iveco Traffic (1980-2000), Master (1980-2007), Mascot (1999-2007)
Fiat, PSA, Renault Daily (1991-2005), Turbo Daily (1994-2000), Relay, Jumper (2001-2002) Boxer (2000-2006), Arena (1997-2001), Movano (1998-2003)

DESCRIPTION

Use as OEM Fiat 1 870 667 000, 1 870 765 001, 1 860 617 000, Renault MOT861, MOT1054, MOT863, Opel KM6031, Ford 21-260, 303-732, Peugeot 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Citroen 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Mazda 49 JE 02018, 0991246510, Volvo 999-7169

DELIVERY SCOPE

2 locking bolts
Flywheel locking bolt
Holding tool for toothed belt tensioner



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591310	Engine adjustment tool set for Alfa Romeo, Lancia, Fiat 0.9	33,00 €

FOR THE FOLLOWING MODELS

Alfa Romeo Mito start from 2012 onwards
Fiat 500 start from 2010 onwards
Fiat Panda start from 2012 onwards
Fiat Punto start from 2012 onwards
Lancia Ypsilon start from 2012 onwards

DESCRIPTION

For adjusting the engine timing, e.g. when replacing the timing chain, repairing the cylinder head, etc.

DELIVERY SCOPE

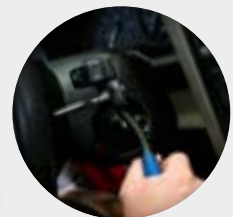
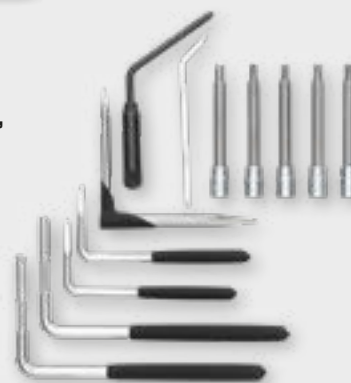
Crankshaft locking mandrel, use as OEM 2000035300
Pulley locking mandrel, use as OEM 2000035200
Camshaft interlock plate, use as OEM 2000035100

12 pcs.

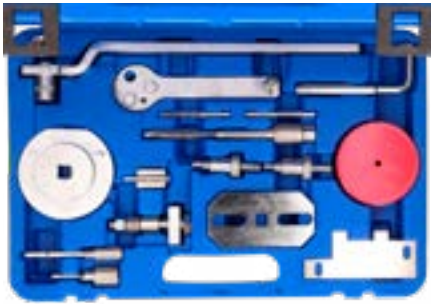
Volkswagen | Audi | BMW | Mercedes
Opel | Renault | Seat | Škoda



BT511150
EAN 4042146778753
Air bag removal tool set,
12 pcs



22,- €



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592750	Engine adjustment tool set for Fiat, PSA	169,00 €

DESCRIPTION

For checking and adjusting the engine timing
Suitable for Fiat engines: 2.2 JTD 4HV - 2.3 JTD F1AE0481D 120PS - 2.3 JTD F1AE0481D 127PS - 3.0 JTD
Suitable for PSA engines: Puma 22DT 4HV 100PS - Puma 22DT 4HV 120PS - F30DT

DELIVERY SCOPE

- Crankshaft sealing ring installation and dismantling tool, use as OEM 2000016900, 303-679 / 303-679A, 0198D
- Crankshaft fixing tools, use as OEM 2000018700, 303-1587
- Holding/lathe tools for crankshaft, use as OEM 2000018400 / 2000010000, 303-1177
- Flywheel docking tool, use as OEM 2000019200
- Centring of control housing, use as OEM 2000017000, 303-682, 0198G
- Crankshaft fixing mandrel, use as OEM 2000017100, 303-698 / 21-251, 0198A
- Camshaft wheel fixing mandrel, use as OEM 2000016500, 0198.B2
- Holding and lathe tools for crankshaft, use as OEM 1860815000, 0191-2K
- Oil pump gauge, use as OEM 2000016700, 303-705 / 303-1093, 0198H
- Tools for water sensor, use as OEM 2000017300
- Flywheel docking tool, use as OEM 1860846000
- Crankshaft fixing mandrel, use as OEM 99360615, 2000018200, 0191-2A
- Camshaft fixing tools, use as OEM 99360614, 0191-2B
- Camshaft fixing tools, use as OEM 1860617000, 2000018200



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594450	Engine adjustment tool set for Fiat, Opel, Alfa 1.9, 2.4 16V Diesel	40,00 €

FOR THE FOLLOWING MODELS

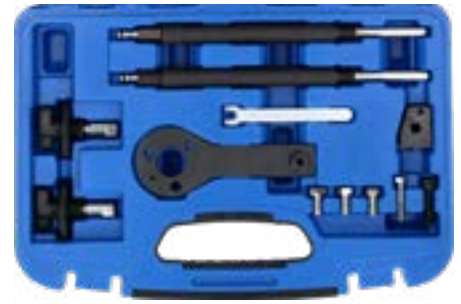
Opel 1.9 CDTi Z19DT, Z19DTH, Z19DTH
Alfa-Romeo 1.9 and 2.4 L diesel with engine code: 323.02, 371.01, 342.02, 325.01, 362.02, 182B9.000, 937A2.000, 937A3.000, 192A5.000, 192B1.000, 937A4.000, 937A5.000, 939A2.000, 939A1.000, 939A7.000, 939A8.000, 839A6.000, 841C.000
Fiat 1.9 and 2.4 L diesel with engine code: 182B4.000, 182B9.000, 185A6.000, 186A6.000, 186A8.000, 186A9.000, 188A2.000, 188A7.000, 188B2.000, 192A1.000, 192A3.000, 192A5.000, 192A8.000, 192A9.000, 192B4.000, 192B5.000 198A2.000, 198A3.000, 198A6.000, 199A5.000 223A7.000, 937A5.000, 939A1.000, 939A2.000 939A3.000, 939A7.000

DESCRIPTION

For adjusting the engine timing e.g. when replacing the toothed belt, repairing the cylinder head, etc.

DELIVERY SCOPE

- Crankshaft interlock, use as OEM Opel EN-46788, Fiat 1.860.905.000, 1.860.905.010
- Flywheel interlock, use as OEM Fiat 1.860.898.000
- Camshaft interlock, use as OEM Opel EN-46789, Fiat 1.870.896.900
- Marking mandrel Ø 3.7mm x 70mm, use as OEM Opel KM 6130, KM 6349



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591320	Engine adjustment tool set for Fiat, Alfa Romeo, Lancia 1.2 16V, 1.4 16V, T-Jet	35,00 €

FOR THE FOLLOWING MODELS

Adjustment tool for piston height, use as OEM 1.860.992.000

DESCRIPTION

For adjusting engine timing when replacing the toothed belt, repairing the cylinder head, replacing the cylinder head seal, etc.

Suitable for Alfa Romeo, Fiat and Lancia 1.2 16V, 1.4 16v, 1.4 T-Jet

Engine codes e.g. 169A3000, 179B9000, 182B2000, 188A5000, 192B2000, 198A1000, 198A4000, 199A6000, 199A8000, 843A1000

DELIVERY SCOPE

- Crankshaft interlock (with screws M6x30 and 3 pcs M8x16), use as OEM 2.000.004.500
- Camshaft adjustment tools (1 pair), use as OEM 1.860.985.000
- Adjustment tool for piston height, use as OEM 1.860.992.000
- Adjustment spanner for toothed belt tensioner, use as OEM 1.860.987.000
- Interlock tool for camshaft sprockets (with M8x30 screw), use as OEM 2.000.015.800

BT511045
EAN 4042146778715
Panel/trim removal tool set,
6 pcs

6
pcs.

4 + 8 + 10 mm

25,- €



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592530	Engine adjustment tool set for Fiat, Peugeot, Citroën 1.8, 2.0 8V petrol	10,00 €

DESCRIPTION

For checking and adjusting the engine timing
Suitable for engine codes LFW, RFU, RGX, RFW
Use as OEM 0132Q, 0132QZ, 0132Z, 0132R, 1053AA, 1053AB, 1053ZY, 0153G, 4507TA, 4507TB, 5711TA, 7014TN, 9767.27, 7014TM, 0132X, 0132X1Z, 4507T, 4507TJ, 1860755000, 1860161000, KM955

DELIVERY SCOPE

Crankshaft interlock, 6 mm
Camshaft interlock, 10 mm
Camshaft locking pins, 2x
Tool for toothed belt tensioner



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592540	Engine adjustment tool set for Fiat, Ford, Opel, Suzuki 1.3 diesel	45,00 €

FOR THE FOLLOWING MODELS

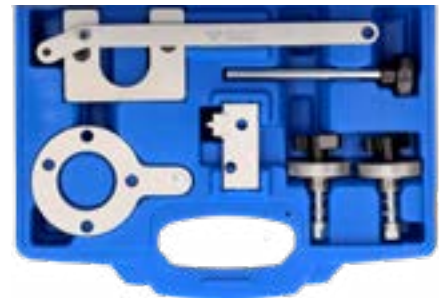
Fiat Punto 1.3 JTD Multi-Jet 188A9.000, 2003 – 2007, Panda 1.3 JTD Multi-Jet 169A1.000, 188A8.000, 2003 – 2009, Idea 1.3 JTD Multi-Jet 199A3.000, 188A9.000, 2004 – 2006, Doblo 1.3 JTD Multi-Jet 188A9.000, 2004 – 2006, Doblo Cargo 1.3 JTD 188A9.000, 2004 – 2006
Opel/Vauxhall Agila 1.3 CDTi Z13DT, 2003 – 2008, Corsa-C 1.3 CDTi Z13DT, 2003 – 2007, Combo-C 1.3 CDTi Z13DT, 2003 – 2009, Corsa-D 1.3 CDTi Z13DTH, Z13DTJ, 2006 – 2009, Astra-H 1.3 CDTi Z13DTH, 2004 – 2009, Tigra-B 1.3 CDTi Z13DT, 2004 – 2009, Meriva 1.3 CDTi Z13DT, Z13DTJ, 2004 – 2009
Suzuki: Ingis 1.3 CDTi Z13DT, 2003 – 2009, Wagon R 1.3 CDTi Z13DT, 2003 – 2009, Swift 1.3 CDTi Z13DT, 2003 - 2010
Ford Ka 1.3 TDCi

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Counter-support spanner for crankshaft pulley, use as Fiat OEM 1871000200 - Ford OEM 303-1469 - Opel/Vauxhall OEM KM-662-C
Crankshaft adjustment tool, use as Opel/Vauxhall OEM EN 46785, OEM KM 955 - Suzuki 09912-38300
Camshaft adjustment tool, use as Fiat OEM 1871000900, 1860985000 - Ford OEM 303-1472 - Opel/Vauxhall OEM EN 46781 - Suzuki OEM 09917-68610
Chain tension lever, use as Fiat OEM 1870900400
Crankshaft interlock tool, use as Fiat OEM 1870900300 - Ford OEM 303-1468
Crankshaft adjustment tool, Fiat 8 mm



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592650	Engine adjustment tool set for Fiat 1.3 Multijet	45,00 €

FOR THE FOLLOWING MODELS

Fiat 500, Albea (TR), Doblo (Cargo), Fiorino, Grande Punto, Idea, Linea, Panda, Punto Evo
Lancia Musa, Ypsilon
Suzuki Splash, Swift, Wagon R+ Ignis
Opel Agila, Agila B, Astra-H, Astra-J, Combo-C, Corsa-C, Corsa-D, Meriva-A, Meriva-B, Tigra-B

ENGINE CODES

169A1.000, 188A8.000, 188A9.000, 199A2.000, 199A3.000, 199A9.000, 199B1.000, 199B2.000, 223A9.000
D13A, Z13DT, Z13DTJ, A13DTC, A13DTE, A13DTR, D13A, LDV/ A13DTC, LSF/A13DTE, Y13DT, Y13DTH, Z13DT, Z13DTi, Z13DTH, Z13DTJ, Z13DTR

DESCRIPTION

For checking and adjusting the engine timing



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592560	Engine adjustment tool set Fiat 1.7, 1.9 Diesel	119,00 €

FOR THE FOLLOWING MODELS

Suitable for Fiat models 1.7D / TD, Tipo 1.9D, Ducato 1.9D / TD, Tempra 1.9TD with adjustable camshaft sprocket

ENGINE CODES

176B3.000, 176A3.000, 176A5.000, 149B1.000, 160A6.000, 160A7.000, 160D1.000, 230A2.000, 230A3.000, 230A4.000, 280 A1.000

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Camshaft retainer, use as OEM 1860932000
Camshaft retainer, use as OEM 1860934000
Camshaft retainer, use as OEM 1860931000
Crankshaft retainer, use as OEM 1860933000



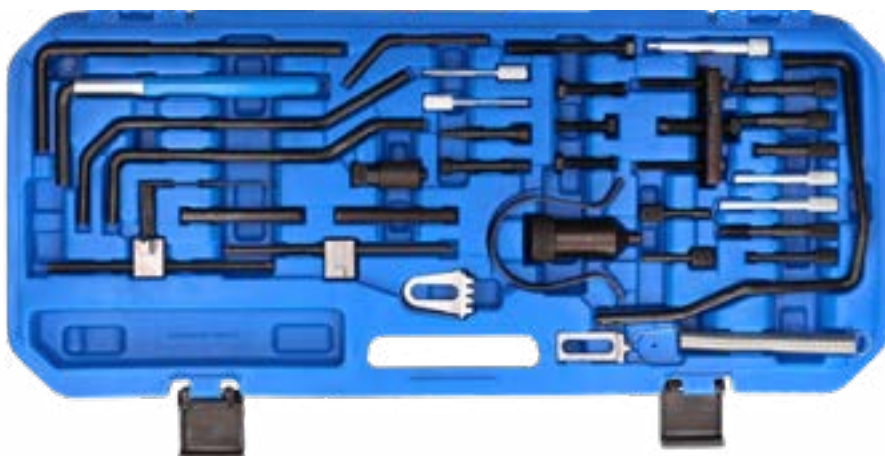
FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591300	Engine adjustment tool set for Opel 1.6, 1.8	33,00 €

DESCRIPTION

Contains tools for locking the camshaft and crankshaft
Suitable for 1.6 and 1.8 L engines with toothed belt control, installed in models start from Opel, Vauxhall, Chevrolet, Fiat, Alfa Romeo (2003-2012), e.g. Astra G, H, Corsa D, Insignia, Meriva, Signum, Vectra C, Zafira B (2003-2011)
Suitable for Chevrolet Cruze, Orlando 1.4 1.6 1.8 and Fiat Croma, Alfa Romeo 159 with 939A4.000 engines
Use as OEM tools KM-6628-A, 2000012000, KM-6340, 2000012100, KM-6333, KM-6625, 2000012800, KM-6349, KM 6130, KM-911



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592250	Engine adjustment tool set for PSA	99,00 €

FOR THE FOLLOWING MODELS

Petrol 1.0, 1.1, 1.4, 1.5, 1.6, 1.6 16V, 1.8, 1.8 16V, 1.9, 2.0, 2.0 16V, 2.0 Turbo
 Diesel 1.4D, 1.4HDI, 1.5D, 1.7D, 1.7TD, 1.9D, 1.9TD, 2.0Hdi, 2.1TD 2.1TD, 2.2D, 2.5TD, 2.2Hdi
 Suitable for structurally identical engines in Toyota and Fiat

ENGINE CODES

159A, 161A, 171B, 171C, 171D, 180A, 180Z, 3FZ (EW12J4), 4HX (DW12ATED), 4HZ (DW12ATED) 6FZ (EW7J4), A8A, A9A, AJZ, B1A /E /F, B2C, B4A, B6D, B6E, BAY, BDY, BFZ, C1A, CDY, CDZ, D2A /C /E /F, D6A /B /D /E, D8A /B /C, D9B, DDZ, DFZ, DHV /W /X /Y, DJ5 (T9A), DJ5T (T8A), DJY, DJZ, DKZ, EW10J4D, EW7J4, H1A, HDY, HDZ, K1A, K1F, K1G, K2A, K2B, K2D, K3A, K6B, KDX, KDY, KDZ, KFW, KFX, KFY, KFZ, L6A, LFW, LFX, LFY (XU7JP4), LFZ, M4A, NFU, NFX (TU5J4/L3), P8A, P8B, P8C, P9A, PHZ (XUD11), R2A, R6A, R6D, RDZ, RFR, RFN (EW10J4), RFS, RFT, RFU, RFV, RFW, RFX, RFY, RFZ, RFX, RGY, RHW (DW10ATED4), RHY (DW10ATD), RHZ (DW10ATED/L), RLZ(EW10J4D), T8A/THZ (DJ5T), T9A (DJ5), THX (DJ5TED), THY (DK5ATE), TU1/2/3/5/9, TU1/3/5 (HFY, HFZ, KFX, NFZ), TU5J4/L3 (NFX), TU5JP4 (NFU), WJY (DW8B), WJZ (DW8), XU10J2C/Z, XU10J2CTE/L3, XU10J2TE/Z, XU10J4R/S (RFV/R6E/RFS), XU10J4RS (RFS), XU10J4RS (RFS), XU10-R2A, R5A, R6A, RDZ, XU5-171B, 180A, B1E, XU5-B6D/E, B1A, B1E, B2A, B2B, BDY, BDZ, XU5JP (BFZ), XU7JP4 (LFY), XU7-L6A, LFW, LFX, LFZ, XU9.D2H, D6A, D6B, D6D, DDZ, DKZ, DFZ, XU9-D2A/D, XU9J4, XUD 11 BTE (P8C), XUD11A, XUD11ATE, XUD7 (A9A), XUD7TE, XUD9 (DHY), XUD9A (D9B/DJY), XUD9AU (D8C), XUD9SD (DHW), XUD9TF (D8B), XUD9UTF (DHX), XUD9Y (DJZ)

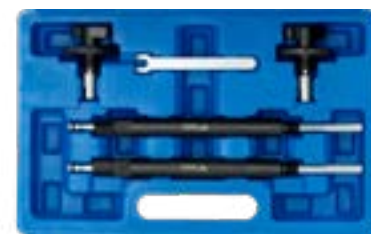
DESCRIPTION

For adjusting the engine timing e.g. when replacing the toothed belt

DELIVERY SCOPE

Clamping tool, use as OEM 4507-TJ, 9767.89, 0188G1, 0132X1Z, 0188G1, 0132X1Z, 0132X
 Camshaft adjustment pin 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ
 2 crankshaft/camshaft adjustment pins, use as OEM 0153ZY, 4507-TB, 0153AB, 9041-TZ, 0132R, 9767.27
 Flywheel locking pins, use as OEM 4507-TL, 0189C
 Adjustment tool, angled, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N

Bolts M8 x 35 mm / M8 x 40 mm / M8 x 70 mm
 Flywheel adjustment pin, 7 mm, use as OEM 7017-TR
 Flywheel adjustment pin, 8 mm, use as OEM 1 860 863 000, OUT0000127, 0153N, 0288D, 7099-TM, 0188Y, 0188D
 Flywheel adjustment pin with spring, use as OEM 0188X, 0189X
 Camshaft adjustment pin, use as OEM 18G 1580, 11 9 790, 5711-TD, 21-260, 07744-1110400, 303-732, 4527-T.S2, 07744-00104-00, 1 860 617 000, 0132AB, 999 7169, 0178D
 Injection pump adjustment pin, use as OEM 0188H
 Crankshaft/camshaft adjustment pin, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JED1 061, 21-263
 Injection pump adjustment pin, use as OEM 4527-T.S1
 Camshaft adjustment pin (CA1), use as OEM 4533-TAC1, 0132AJ1
 Camshaft adjustment pin (CA2), use as OEM 0132AJ2, 2000 023 000, 0188M, 4533-TAC2
 2 camshaft adjustment pins, use as OEM 9041-TZ, 5711-TC
 Camshaft adjustment pin, use as OEM 0189A, 1 871 008 100
 Camshaft adjustment pin, use as OEM 0189AZ
 Intake camshaft adjustment pin (VTC), use as OEM 0189L
 Tension lever, use as OEM 5711-TE, 0178E, 0188J/J1
 Flywheel locking tool, use as OEM 0188F, 0134Q, 1 870 765 001, 1 870 827 000, 0134AF, 9044-T, 1 871 000 400
 Hdi tension lever, use as OEM 0188J2
 Tensioning spanner, 8 mm, use as OEM 7017-TW
 Toothed belt retaining clip, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100
 Flywheel locking tool, use as OEM 1 867 030 000, 0153A, 9765.54, 6012T, 1 860 161 000
 Roller extractor, use as OEM 0174, 0188P, 018892, 7015-T



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592600	Engine adjustment tool set for Fiat 1.2 16V	49,00 €

FOR THE FOLLOWING MODELS

Fiat 500 1.2 (2007), Brava 1.2, Bravo 1.2 16V (1995-2002), Grande Punto 1.2, Idea 1.2, Idea 1.2 16V, Marea 1.2, Marea Weekend, Marengo 1.2, Palio Weekend 1.2 16V (1993-1999), Punto 1.2 (1993-1999), Punto Classic 1.2 16V (1999), Stilo 1.2
 Lancia Ypsilon 1.2 16V (1996 - 2003)

ENGINE CODES

Engine codes: 17689.000, 169A4.000, 182B2.000, 188A5.000

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Measurement adapter for piston height (2 x), use as OEM 1860992000
 Camshaft adjustment tools (2 x), use as OEM 1860985000
 Tension roller key, use as OEM 1860987000



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592660	Camshaft interlock tool for Fiat, Alfa, Lancia	12,00 €

DESCRIPTION

Suitable for Fiat DOHC 1.6L 12V/16V petrol engines, installed in the Fiat models Brava, Bravo, Coupe, Marea, StiloWeekend, Multipla, Palio



ART.NR	ITEM NAME	PRICE
BT595700	Camshaft locking tool set for VAG, Ford, Opel, Saab	34,00 €

DESCRIPTION
Universal set for a wide range of models
DELIVERY SCOPE
Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.8, 2.0, use as OEM KM-852, 18G1570
Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.4, 1.6, use as OEM KM-853
Right camshaft with Saab 900, 900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-2
Left camshaft with Saab 900.900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-1
Crankshaft toothed belt pulley interlock tool for TDI pump-injection engines with VW, Audi, Skoda, Seat and Ford, use as VAG T10050
Flywheel interlock tools for Citroen, Fiat and Peugeot, use as OEM 153A, 6012T, 9765.54
Flywheel holder unit for Isuzu 1.5 and 1.7 diesel, Opel 1.6, 1.7 diesel engines, Opel 1.2, 1.4, 1.6, 1.8, 2.0 OHC petrol engines, use as OEM KM-517-B



ART.NR	ITEM NAME	PRICE
BT592800	Engine adjustment tool set for Fiat, Lancia	149,00 €

DESCRIPTION
For checking and adjusting the engine timing
Locking the flywheel
Locking the crankshaft
Locking the camshaft
Locking the injection pump shaft
Removing the crankshaft pulley
Spannen des Zahnriemens



ART.NR	ITEM NAME	PRICE
BT592700	Engine adjustment tool set for Alfa Romeo, Fiat 1.4 MultiAir	69,00 €

FOR THE FOLLOWING MODELS
Alfa Romeo Giulietta, Mito, Fiat Punto, Punto Evo 1.4 (Turbo) MultiAir (105/135/163/170PS)
Engine codes: 940A2.000, 940A2.000, 955A8.000, 955A8.000, 940A2.000, 955A8.000, 955A2.000, 955A7.000, 955A6.000, 955A8.000

DESCRIPTION
For adjusting the engine timing when replacing the toothed belt

DELIVERY SCOPE
Camshaft adjustment tool including 3 fastening screws, use as OEM 2000034400
Crankshaft locking tool including 4 fastening screws, use as OEM 2000004500
Tension roller key, use as OEM 1860987000



ART.NR	ITEM NAME	PRICE
BT591350	Engine adjustment tool set for Fiat, Lancia, Alfa Romeo	249,00 €

FOR THE FOLLOWING MODELS
Alfa Romeo 145 1.4, 1.6 16V Step A – 146 1.4, 1.6 16V Step A – 147 1.6 16V Step A – 147 105 PS – 147 1.6 eco 103 PS – 155 1.4, 1.6 16V Step A – 156 1.6 16V Step A – 156 1.8, 2.0 16V – 156 2.0 JTS – 166 2.0 – GTV 2.0 JTS – Spider GT 2.0 JTS 16V 165 PS
Lancia K5 2.0 20V, 4-cylinder, VIS engines start from year of construction 1996 onwards, Delta 1.8 16V Step A, Dedra 1.8 16V Step A, Y10 1.4 12V
Fiat Bravo 1.4 12V, 2.0 20V – Brava 1.4 12V, 2.0 20V – Marea 2.0 20V, Coupe 1.8 16V, Barchetta 1.8 16V, Punto 1.8 16V

DESCRIPTION
Special insert, drive square socket 12.5 mm (1/2") for dismantling the phaser
23 precisely fitting locking devices for the feed and discharge camshaft
prevent the camshafts start from twisting after assembly and position them in assembly position for the toothed belt.
The locking devices are labelled with numbers and additionally colour-coded to avoid confusion
The OT point adjustment mandrel and a micrometer clock (not scope of delivery) makes a precise alignment of the crankshaft possible

DELIVERY SCOPE
Cam shaft locking devices, use as OEM 1 825 041 000, 1 825 042 000, 1 860 096 100, 1 860 819 000, 1 860 847 000, 1 860 892 000, 1 860 899 000, 1 870 797 000
Bracket for dial gauge for adjusting the piston OT (requires dial gauge), use as 1 860 895 000, 1 895 879 000, 1 825 013 000
Insert for phaser, use as OEM 1 822 110 000, 1 852 161 000



ART.NR	ITEM NAME	PRICE
BT592801	Tightening wrench for Fiat	6,00 €



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592550	Engine adjustment tool for Fiat for 1.6 16V	79,00 €

FOR THE FOLLOWING MODELS

Fiat Stilo 1.6 16V, Brava, Bravo, Marea, Weekend, Stilo, Multipla, Palio Weekend (1995-2004)

ENGINE CODES

178B3.000, 182A4.000, 182A6.000, 182B6.000

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Camshaft interlock tool, intake side, use as OEM 1860874000

Camshaft interlock tool, exhaust side, use as OEM 1860874000

Tension roller interlock, use as OEM 1860876000, including M8 to M10 adapter for models start from 2000 onwards

Dial gauge adapter for determining OT on the first cylinder with M14 thread, total length 270mm, use as OEM 1860895000 / 1895879000 / 1825013000



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592570	Engine adjustment tool set for Fiat 1.4 12V	46,00 €

FOR THE FOLLOWING MODELS

Fiat: Brava, Bravo, Marea, Weekend
Lancia Ypsilon

ENGINE CODES

Engine code: 182 A3.000, 182 A5.000

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Camshaft adjustment tool, use as OEM 1860899000

Crankshaft adjustment tool, use as OEM 1860901000

Pin for crankshaft adjustment tool, use as OEM 1860901000



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592575	Camshaft locking block for Fiat, Lancia 1.4 12V	12,00 €

FOR THE FOLLOWING MODELS

Fiat Bravo, Brava, Lancia Y10 1.4 12V

ENGINE CODES

Engine code: 182A3.000, 182A5.000

DESCRIPTION

For locking the camshafts when adjusting the engine timing

Use as OEM 1860899000



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592580	Camshaft locking tool set for Fiat 2.0 20V	17,00 €

FOR THE FOLLOWING MODELS

Fiat Bravo, Brava, Marea 2.0 20V, 5-Zylinder

DESCRIPTION

For checking and adjusting the engine timing

Use as OEM 1860892000

DELIVERY SCOPE

Camshaft adjustment tool for intake cam 3-cylinder

Camshaft adjustment tool for exhaust cam 2-cylinder



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591225	Camshaft locking tool set for Fiat, Lancia 1.8l 130 hp	17,00 €

FOR THE FOLLOWING MODELS

Fiat, Lancia 1.8L 16V 130PS

DESCRIPTION

For checking and adjusting the camshaft timing

Use as OEM 1860847000

DELIVERY SCOPE

Camshaft adjustment tool for intake cam 2-cylinder

Camshaft adjustment tool for exhaust cam 3-cylinder



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592585	Camshaft locking tool set for Fiat, Lancia 1.8, 115 hp	17,00 €

FOR THE FOLLOWING MODELS

Fiat Bravo, Brava, Marea 1800 16V, 115 PS

Lancia Delta, Dedra 1800 16V, 115 PS

DESCRIPTION

For checking and adjusting the engine timing

Use as OEM 1860875000

DELIVERY SCOPE

Camshaft adjustment tool for intake cam 2-cylinder

Camshaft adjustment tool for exhaust cam 3-cylinder



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592590	Camshaft locking tool set for Fiat, Lancia 1.8 16V	17,00 €

FOR THE FOLLOWING MODELS

Fiat Coupe, Barchetta, Punto (HJT), Barchetta (HJT)

Lancia Delta, Dedra Step"A"

DESCRIPTION

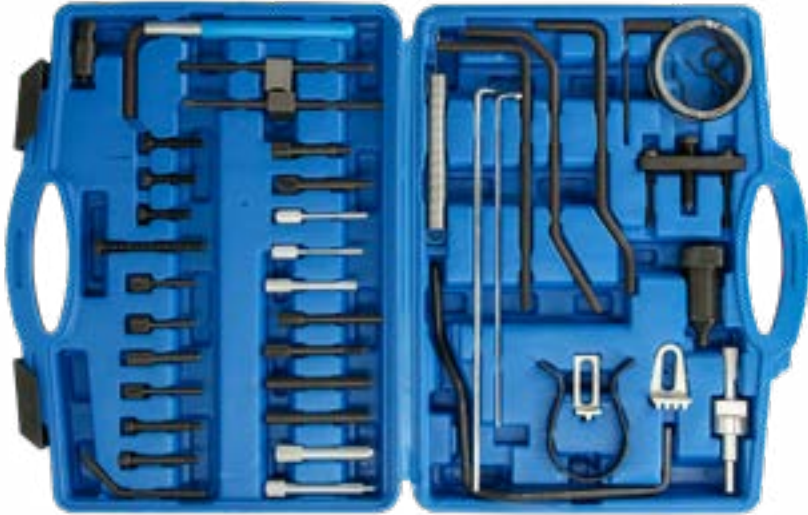
For checking and adjusting the engine timing

Use as OEM 1870697000

DELIVERY SCOPE

Camshaft adjustment tool for intake cam 2-cylinder

Camshaft adjustment tool for exhaust cam 3-cylinder



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT597940	Engine adjustment tool set for Peugeot, Citroën, PSA	89,00 €

FOR THE FOLLOWING MODELS

Citroën AX, Berlingo, BX, C5, C15, C25, Dispatch, Evasion, Jumper, Jumpy, Relay, Saxo, Synergie, Visa, Xsara, Xantia, XM, XJR, ZX, etc.

Peugeot 106, 205, 306, 405, 406, 605, 806, J5, Boxer, Expert, Partner, Solara, Talbot Express, Talbot Horizon, etc.

PSA petrol engines 1.9, 1.1, 1.4, 1.6, 1.8, 1.9, 2.0, 1.6, 1.8, 2.0, 2.2 16V (turbo and dual camshafts)

PSA diesel engines 1.4, 1.5, 1.7, 1.8, 1.9, 2.1, 2.5 D, TD, TDI, 1.4, 1.6, 2.0, 2.2 HDI

Suitable for structurally identical engines in Fiat, Ford, Nissan, Renault, Rover, Toyota, etc.

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Flywheel adjustment pin with spring, use as OEM 0188X, 0189X

Tensioning spanner, 8 mm, use as OEM 7017-TW

Flywheel fixing mandrel, 7 mm, use as OEM 7017-TR

Angled adjustment pin, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N

Clamping tool, use as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0132X

Camshaft marking mandrel, use as OEM 0189A, 1 871 008 100

Hdi tension roller lever, use as OEM 0188J2

Tension roller lever, use as OEM 5711-TE, 0178E, 0188J/J1

Flywheel disc extractor, use as OEM 0174.0188P, 018892, 7015-T

Toothed belt retaining clamp, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100

Flywheel retainer, use as OEM 0195K, 4507-TL

Clamping tool, use as OEM 0189S1

Flywheel retainer, use as OEM 1867030000, 0153A, 9765.54, 6012T, 1860161000

Tension lever, use as OEM 0189S2

Angled locking pin, 5 mm

Flywheel fixing mandrel (for automatic transmission), use as OEM 0189R

Camshaft marking mandrel, use as OEM 0189AZ

Crankshaft retainer, use as OEM 0288D, 0188Y, 7014

Flywheel fixing mandrel (manual transmission), use as OEM 0189C

Flywheel interlock, use as OEM 0188F, 0134Q, 1870765001, 1870827000, 0134AF, 9044-T, 1871000400

Camshaft marking mandrel (CA1), use as OEM 4533-TAC1, 0132AJ1

Camshaft and crankshaft retainer, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01061, 21-263

Camshaft marking mandrel (CA2), use as OEM 0132AJ2, 2000023000, 0188M, 4533-TAC2

Marking mandrel for injection pump, use as OEM 4527-TS1

Injection pump fixing mandrel, use as OEM 0188H, 1 860 965 000

Flywheel fixing mandrel, use as OEM 49JE02020, 0194C, 21-262, 999-7121, 999-7169, 303-734

2 camshaft and crankshaft marking mandrels, use as OEM 4507-TB, 7014-TN, 0132-R, 0153-AB, 0158-G

2 camshaft and crankshaft interlocks, use as OEM KM-955, 7014-TM

2 camshaft marking mandrels, use as OEM 9041-TZ, 5711-TC

2 crankshaft fixing mandrels, use as OEM 5711-TD, 119790, 0194A, 1860617000, 303-732, 07744-00104-00, 49JE02018, 0178D, 9997169, 4527-TS2, 21-260, 999-7169, 0132AB

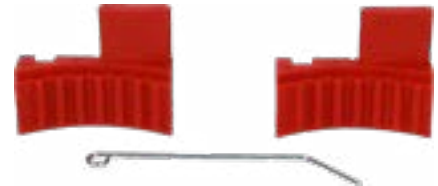
Camshaft fixing mandrel, use as OEM 0189L

Screw M8 x 80 mm

Pin for clamping device, 3 mm, use as OEM 0153AL, 4200TA

Centring clip for crankshaft pulley, use as OEM 0188AH

Crankshaft marking mandrel, 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT595703	Camshaft locking tool for Opel 1.6, 1.8	7,00 €

DESCRIPTION

Contains important tools for inspecting and adjusting the engine timing

Suitable for Opel Astra G/H, Corsa D, Insignia, Meriva, Signum, Tigra, Vectra C, Zafira B (2003-2012) with engine codes A16LET, A16XER, Z16LEL, Z16LER, Z16LET, Z16XE, Z16XE1, Z16XEP, Z16XER, Z18XER, A18XER

Also suitable for Alfa Romeo 159, Fiat Croma with engine code 939A4.000

DELIVERY SCOPE

Camshaft interlock, use as OEM KM-6340, EN-6340, 2000012100

Tensioning element interlock, use as OEM KM-6333, EN-6333



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592578	Camshaft locking tool for 1.3l PSA Diesel	16,00 €

DESCRIPTION

For holding the camshaft when loosening and tightening the bolts on the camshaft sprocket

Needed when working on the camshaft drive

Suitable for Citroën, Peugeot, Fiat, Ford, Alfa Romeo 1.3 JTD

Recommended accessory for BGS engine adjustment set Art. BT592540

Use as Ford OEM 303-1475 / Fiat OEM 1871008600

FORD



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593050	engine adjustment tool set for Ford	14,00 €

DESCRIPTION

Suitable for petrol engines 1.25 L, 1.4 L, 1.6 L, 1.8 L, 2.0 L, e.g. for Zetec, Zetec SE, etc.

DELIVERY SCOPE

Crankshaft interlocks, use as OEM 303-748, 999-7152 21-259, 303-574, 21-163, 303-620, 49J E02 024, 999-7201, 303-507, 21-210
Camshaft rule, use as 303-376, 303-376B, 999-7151



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT595700	camshaft locking tool set for VAG, Ford, Opel, Saab	34,00 €

DESCRIPTION

Universal set for a wide range of models

DELIVERY SCOPE

Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.8, 2.0, use as OEM KM-852, 18G1570
Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.4, 1.6, use as OEM KM-853
Right camshaft with Saab 900, 900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-2
Left camshaft with Saab 900.900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-1
Crankshaft toothed belt pulley interlock tool for TDI pump-injection engines with VW, Audi, Skoda, Seat and Ford, use as VAG T10050
Flywheel interlock tools for Citroen, Fiat and Peugeot, use as OEM 153A, 6012T, 9765.54
Flywheel holder unit for Isuzu 1.5 and 1.7 diesel, Opel 1.6, 1.7 diesel engines, Opel 1.2, 1.4, 1.6, 1.8, 2.0 OHC petrol engines, use as OEM KM-517-B



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592900	engine adjustment tool set for Ford Focus	41,00 €

DESCRIPTION

For replacing the toothed belt in Ford Focus 1.6 TI-VCT engines, engine code HXDA (2003-2007) and 2.0 TDCI engine code G6DA, G6DB, G6DC 2003-2007

DELIVERY SCOPE

Holder for camshaft wheel, use as OEM 303-1097
Locking pin for tension roller, use as OEM 303-1054
Locking pin for flywheel, use as OEM 303-1059, 303-1270, 0188X, 999-7121
Locking pin for crankshaft, use as OEM 303-748, 999-7152, 21-259
Locking pin for camshaft wheel, use as OEM 303-735, 999 7122, 0187B, 0189B, 0132AJ1, 21-263, 0188M, MOT 1430, 303-1277, 0194B



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT551110	injector alignment tool for Ford Duratorq	25,00 €

DESCRIPTION

For aligning injectors with the fuel lines
Aligning the injectors with the fuel lines eliminates the risk of fuel line breakage that could occur during operation
Suitable for Ford Duratorq engines 2.0 / 2.2 / 2.4 DI / TDCI / TDDI, installed in the Ford Mondeo, year of construction 2000 - 2007 / Ford Transit, year of construction 2000 - 2006 / Jaguar X-Type
Tool for simultaneous alignment of two injectors, use as OEM 303-67B
Tool for aligning injectors, adjustable, use as OEM 303-711



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592320	balance shaft adjustment tool set for Land Rover, Citroen, Mitsubishi, Peugeot, Ford 2.2 DOHC diesel engines	42,00 €

FOR THE FOLLOWING MODELS

Land Rover Discovery, Discovery Sport, Freelander 2, eD4, TD4, TD4e (2009-2015) engine codes: 224DT, DW12CTED4/224DT, DW12BTED4/224DT
Citroen C5, C5 II, C5 III, C6, C8, C-Crosser HDi (200-2015) engine codes: 4HX (DW12CTED4), 4HP (DW12BTED4), 4HX (DW12TED4), 4HW (DW12TED4/L4)
Mitsubishi Outlander DI-D, DI-DC (2007-2013) engine codes: 4HK, 4HN
Peugeot 4007, 407, 607, 807, 406, 508, 607, HDi, GT HDi (2000-2015) engine codes: DW12MTED4 (4HK), DW12MTED4 (4HN), DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HT), DW12TED4/L4 (4HW), DW12BTED4 (4HS), DW12ATED (4HZ), DW12ATED4 (4HX), DW12ATED (4HZ), DW12CTED4 (4HL)
Ford Galaxy, Mondeo, S-Max, TDCI, TCI (2008-2015) engine codes: KNBB, KNBA, KNWA, Q4BA

DESCRIPTION

For adjusting the balance shaft

DELIVERY SCOPE

Balance shaft fixing tool, use as OEM 303-1329
Balancing tool, use as OEM 303-1330
Balance shaft adjustment tool, use as OEM 303-1328, 0190D



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT571013	crankshaft holding key for Ford	42,00 €

DESCRIPTION

Mondeo and Transit with 2.0, 2.2, 2.4, 3.2 Duratorq Di, TDDi, TDCi diesel and 2.3 Duratec HE petrol
Use as OEM 303-1310
Length: 665 mm



ART.NR	ITEM NAME	PRICE
BT592860	engine adjustment tool set for Ford TDCi, PSA Hdi, Mazda D 1.4, 1.6	5,00 €

FOR THE FOLLOWING MODELS

Citroen 1.4Hdi DV4TD (8HT/8HW/8HX/8HZ), 1.4Hdi DV4TED4 (8HV/8HY), 1.6Hdi DV6TED4 (9HY/9HZ), 1.6Hdi DV6ATED4 (9HW/9HX), 1.6Hdi DV6UT-ED4(9HU)
 Mazda 1.4CiTD F6JA, F6JB 1.6CiTD Y6
 Peugeot 1.4Hdi DV4TD (8HT/8HW/8HX/8HZ), 1.4Hdi DV4TED4 (8HV/8HY), 1.6Hdi DV6TED4 (9HY/9HZ), 1.6Hdi DV6ATED4 (9HW/9HX), 1.6Hdi DV6UT-ED4(9HU)
 Ford 1.4TDCi F6JA, F6JB, F6JC, F6JD 1.6TDCi G8DA, G8DB, HHDA 1.6TDCi HHDB, HHJA, HHJB, HHJD
 Volvo 1.6D D4164T

DESCRIPTION

For adjusting the engine timing when replacing the camshaft, cylinder head seal etc.

DELIVERY SCOPE

Flywheel locking bolt, use as OEM PSA 0194-C, Ford 303-734 (21-262), Volvo 999-7169, Mazda 49 JE02 020
 Crankshaft and high-pressure pump wheel locking pin, 2 pcs, use as OEM PSA 0194-A, Ford 303-732 (21-260), Volvo 999-7233, Mazda 49 JE02 018
 Crankshaft and high-pressure pump wheel locking pin, 2 pcs, use as OEM PSA 0194-A, Ford 303-732 (21-260), Volvo 999-7233, Mazda 49 JE02 018



ART.NR	ITEM NAME	PRICE
BT592951	camshaft pump wheel puller for Ford	13,00 €

DESCRIPTION

Also suitable for removing the pump wheel
 Jaw depth: 30 mm
 Hook foot depth: 7.5 mm
 Hook length: 15.5 mm
 Spindle length: 80 mm
 Spanner width of actuation hex: SW 19
 Hook foot thickness at the tip: 8 mm



ART.NR	ITEM NAME	PRICE
BT551105	timing case cover alignment and pump wheel removal tool set for Ford 1.8 TDDi / TDCi	26,00 €

FOR THE FOLLOWING MODELS

Ford
 Focus 1.8 TDCi (2004 - 2011), engine codes: KKDA, KKDB
 C-Max 1.8 TDCi (2003 - 2007), engine codes: KKDA, BHPA, HCPA
 Tourneo Connect 1.8 TDCi (2002 - 2013), engine codes: HCPA, HCPB (2002 - 2006), RWPA, R2PA, P7PA, P9PA, R3PA (2006-2013), P9PB, RWPC (2009 - 2013)
 Tourneo Connect 1.8 TDDi (2002 - 2006), engine code: BHPA
 Mondeo 1.8 TDCi (2007 - 2010), engine codes: FFBA, QYBA, KHBA
 Mondeo 1.8 TDCi ECOnetic (2008 - 2010), engine code: KHBA
 Transit Connect 1.8 TDCi (2002 - 2013), engine codes: HCPA, HCPB (2002 - 2006), RWPA, P7PA, R2PA, P9PA, R3PA (2006 - 2013), P9PB, RWPC (2009 - 2013)
 Transit Connect 1.8 TDDi (2002 - 2006), engine code: BHPA

DESCRIPTION

For aligning the timing case cover and for removing the high-pressure pump wheel
 When working on e.g. the high-pressure pump chain
 Supplementary tool for engine adjustment tool set Art. BT593100

DELIVERY SCOPE

Alignment tool for timing case cover, use as OEM 303-652 (21-230)
 Disassembly tool for high-pressure pump wheel, use as OEM 303-095 (23-067)



ART.NR	ITEM NAME	PRICE
BT592540	engine adjustment tool set for Fiat, Ford, Opel, Suzuki 1.3 diesel	45,00 €

FOR THE FOLLOWING MODELS

Fiat Punto 1.3 JTD Multi-Jet 188A9.000, 2003 - 2007, Panda 1.3 JTD Multi-Jet 169A1.000, 188A8.000, 2003 - 2009, Idea 1.3 JTD Multi-Jet 199A3.000, 188A9.000, 2004 - 2006, Doblo 1.3 JTD Multi-Jet 188A9.000, 2004 - 2006, Doblo Cargo 1.3 JTD 188A9.000, 2004 - 2006
 Opel/Vauxhall Agila 1.3 CDTi Z13DT, 2003 - 2008, Corsa-C 1.3 CDTi Z13DT, 2003 - 2007, Combo-C 1.3 CDTi Z13DT, 2003 - 2009, Corsa-D 1.3 CDTi Z13DTH, Z13DTJ, 2006 - 2009, Astra-H 1.3 CDTi Z13DTH, 2004 - 2009, Tigra-B 1.3 CDTi Z13DT, 2004 - 2009, Meriva 1.3 CDTi Z13DT, Z13DTJ, 2004 - 2009
 Suzuki: Ingis 1.3 CDTi Z13DT, 2003 - 2009, Wagon R 1.3 CDTi Z13DT, 2003 - 2009, Swift 1.3 CDTi Z13DT, 2003 - 2010
 Ford Ka 1.3 TDCi

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Counter-support spanner for crankshaft pulley, use as Fiat OEM 1871000200 - Ford OEM 303-1469 - Opel/Vauxhall OEM KM-662-C
 Crankshaft adjustment tool, use as Opel/Vauxhall OEM EN 46785, OEM KM 955 - Suzuki 09912-38300
 Camshaft adjustment tool, use as Fiat OEM 1871000900, 1860985000 - Ford OEM 303-1472 - Opel/Vauxhall OEM EN 46781 - Suzuki OEM 09917-68610
 Chain tension lever, use as Fiat OEM 1870900400
 Crankshaft interlock tool, use as Fiat OEM 1870900300 - Ford OEM 303-1468
 Crankshaft adjustment tool, Fiat 8 mm

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FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593030	crankshaft locking tool for Ford Transit 2.2.	40,00 €

DESCRIPTION

Suitable for Ford Transit 2.2 up until 2006
Used to lock the crankshaft and the flywheel
Makes it possible to adjust the OT sensor position after working on the timing chain

DELIVERY SCOPE

Crankshaft interlock, use as OEM 303-1587
Flywheel interlock, use as OEM 21-251 / 303-698
Pump locking pin, use as OEM 0188H / 1860965000



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592970	engine adjustment tool set for Ford 2.0 EcoBoost	84,00 €

FOR THE FOLLOWING MODELS

Installed in the models Galaxy / Mondeo / S-MAX / Focus

ENGINE CODES

Engine code: TNWA, TNBA, TPWA, MGDA, XGDA

DESCRIPTION

For adjusting the timing on chain-driven 2.0L petrol direct injection engines with variable valve control

DELIVERY SCOPE

Crankshaft interlock, use as OEM 303-748
Camshaft adjustment plate (up until 05/2011), use as OEM 303-1504
Camshaft adjustment plate (start from 05/2011 onwards), use as OEM 303-1565
Adjustment tool for crankshaft position sensor, use as OEM 303-1521
2.5 mm belt tensioner locking pin



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592700	engine adjustment tool set for Alfa Romeo, Fiat 1.4 MultiAir	69,00 €

FOR THE FOLLOWING MODELS

Alfa Romeo Giulietta, Mito, Fiat Punto, Punto Evo 1.4 (Turbo) MultiAir (105/135/163/170PS)

Engine codes: 940A2.000, 940A2.000, 955A8.000, 955A8.000, 940A2.000, 955A8.000, 955A2.000, 955A7.000, 955A6.000, 955A8.000

DESCRIPTION

For adjusting the engine timing when replacing the toothed belt

DELIVERY SCOPE

Camshaft adjustment tool including 3 fastening screws, use as OEM 2000034400
Crankshaft locking tool including 4 fastening screws, use as OEM 2000004500
Tension roller key, use as OEM 1860987000

BT034012
EAN 4042146844267

Screwdriver set with striking cap, 12 pcs

12
pcs.



25,- €

5x		<ul style="list-style-type: none"> 3 x 75 mm • 5 x 75 mm 6 x 100 mm • 8 x 150 mm 9,5 x 200 mm
5x		<ul style="list-style-type: none"> PH0 x 75 mm • PH1 x 75 mm PH2 x 100 mm • PH3 x 150 mm PH4 x 200 mm

1x		6 x 38 mm
1x		PH2 x 38 mm



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592980	engine adjustment tool set for Ford 2.0, 2.4 TDCi, TDDi	75,00 €

ENGINE CODES

Engine code: FMBA/B, D5BA, ABFA, D3FA, F3FA, D2FA, D4FA, F4FA

DESCRIPTION

For locking or positioning the camshaft, injection pump shaft and crankshaft

Needed when replacing the chain, repairing the engine and working on the injection pump

Suitable for Ford 2.0, 2.4 16V TDCi and TDCi engines, installed in e.g. Mondeo, Transit (year of construction 2001 - 2004) etc.



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592870	engine adjustment tool set Ford Duratorq 2.0, 2.4 Diesel	6,00 €

ENGINE CODES

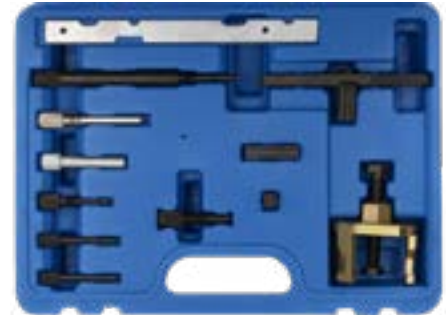
ABFA, D2FA, D3FA, D5BA, D6BA, D0FA, F1FA, F3FA, F4FA, FMBA/B, FXFA, H9FA, H9FB, HJBA/B, HJBC, HJBE, JXFA, N7BA/B, PHFA, SDBA

DESCRIPTION

Needed for working on the timing chain, cylinder head etc.

Contains a locking pin for the flywheel, pump, camshaft and chain tensioner, use as OEM 21-234, 21-251

Suitable for Ford Mondeo and Transit 2.0 l / 2.4 l Duratorq 16V (TDDi and TDCi)



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592850	Engine adjustment tool for Ford, Mazda	55,00 €

FOR THE FOLLOWING MODELS

Ford Fiesta, Fusion, Focus, C-Max, Mondeo, Mondeo S-Max, Galaxy, Tourneo Connect, Transit Connect

Mazda 2, 3, 5, 121

ENGINE CODES

F6JA, F6JB, F6JC, HHJA, HHJB, G8DA, HHDA, HHDB, RTN, RTQ, RTP, C9DC, BHDA/B, BHPA, C9DA/B, C9DC, HXDA, G6DA, AZWA, G6DB, QXWA, G6DC, F9DA/B, FFBA, FFDA, HCPA, HCPB, KKDA, P7PA, P9PA, QYWA, R2PA, R3PA and RWPA

4HB, F6JA, F6JB, RTJ, Y6, MZ-CD 1.6 (Y6)

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Camshaft interlocks, use as 303-732

Crankshaft interlocks, use as 303-193

Crankshaft interlock, use as OEM 303-507

Crankshaft interlock, use as OEM 303-574

Crankshaft interlock, use as OEM 303-748

Flywheel interlocks, use as OEM 303-1602, 303-393-01 and 303-393-02

Flywheel interlocks, use as OEM 303-734

Camshaft rule, use as OEM 303-376

Camshaft wheel puller, use as OEM 303-651



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear

Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly

Continuous adjustment range of the gripping arms start from 42 – 82 mm

Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm

6-groove puller body with adjusting disc

Spindle, M14 x 1.5, 19 mm hex, with centring cone



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT571014	Crankshaft vibration damper alignment tool for Ford, Volvo	6,00 €

DESCRIPTION

For aligning the crankshaft vibration damper (crankshaft pulley)

Needed for e.g. 1.6 L EcoBoost engines

Use as OEM Ford 303-1550 or Volvo 9997431



ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

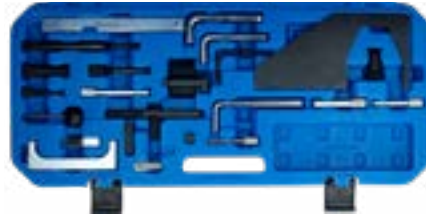
Can be used universally on vehicles start from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroën, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt
Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm
Single camshaft locking tool with short and long locking screw



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593100	Engine adjustment tool set for Ford	109,00 €

FOR THE FOLLOWING MODELS

Suitable for the following Ford engines: 1.4, 1.6 16V, 1.7, 1.8 16V, 2.0 16V (including Zetec), 1.4, 1.6, 1.8, 1.9 D/TD/TDCi

DESCRIPTION

Contains tools for: Locking the flywheel
Locking the crankshaft, pump shaft
Locking the injection pump shaft
Removing the crankshaft pulley
Tensioning the toothed belt

Adjustment gauge for positioning the camshaft and pump shaft in relation to the crankshaft

Use as OEM 21-162, 21-162B, 303-367, 303-376, 23-059, 310-085, 21-168, 303-393, 23-020, 23-047, 23-020, 21-163, 303-620, 23-019, 21-210, 303-507, 21-251, 303-698, 21-262, 303-734, 23-029, 303-1061, 23-058, 310-084, 21-105, 21-262, 303-734, 21-168, 303-393, 21-263, 303-735, Mazda 49JE01061, Audi 3359, T10008, T10050, 2065A, Seat 3359, T10008, T10050, 2065A, Skoda 3359, T10008, T10050, 2065A, Volkswagen 3359, T10008, T10050, 2065A



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592976	Camshaft adjustment tool for Ford 1.6 EcoBoost	17,00 €

FOR THE FOLLOWING MODELS

Ford Galaxy, S-Max, Mondeo, C-Max, Focus, Fiesta, Kuga, Transit, Tourneo Connect

1.6L EcoBoost (Sigma)

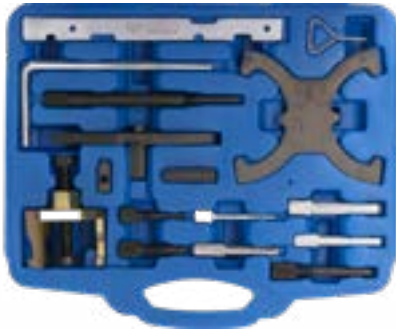
DESCRIPTION

For locking the camshafts when removing/replacing the timing chain

DELIVERY SCOPE

Camshaft adjustment tool, use as OEM 303-1552





FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592950	Engine adjustment tool for Ford	72,00 €

FOR THE FOLLOWING MODELS

Ford Fiesta (1995-2008), Fusion (2002-2008), Puma (1997-2002), Focus (1998-2008), Focus C-Max (2003-2008), Mondeo (1993-2008), Cougar (1998-2001), S-Max (2006-2008), Galaxy (2006-2008), Courier (1995-2008), Tourneo Connect (2002-2006), Transit Connect (2002-2006)

ENGINE CODES

Petrol: DHA, DHB, DHC, DHD, DHE, DHF, DHG, F8JA, F8JB, FUJA, FUJB, M7JA, M7JB, ASDA, ASDB, FHA, FHD, FHE, FHF, FXDA/C, FXDB/D, FXJA, FXJB, BHPA, C9DA/B, C9DC, HXDA, G6DA, AZWA, G6DB, QXWA, G6DC, F9DA/B, FFBA, FFDA, HCPA, HCPB, KKDA, P7PA, P9PA, QYWA, R2PA, R3PA, RWPA, FYDA/C, FYDB/D, FYJA, FYJB, L1F, L1J, L1L, L1N, L1O, L1T, L1V, L1W, HWDA, HWDB, MHA, MHB, EYDB, EYDC, EYDD, EYDE, EYDF, EYDG, EYDI, EYDJ, EYPA, EYPC, RKA, RKB, RKF, RKH, RKJ, RKK, CDBB, CGBA/B, CHBA/B, CSDA, CSDB, QGDA, QGDB, QGDC, EDDB, EDBD, EDDB, EDDC, EDDD, EDDF, NGA, NGB, NGC, NGD, ALDA, HMDA, AODA, AODB, AOWA, CJBAB

Diesel: F6JA, F6JB, F6JC, HHJA, HHJB, G8DA, G8DB, HHDA, HHDB, RTN, RTO, RTP, C9DC, BHDAB, BHPA, C9DA/B, C9DC, F9DA/B, FFBA, FFDA, HCPA, HCPB, KKDA, P7PA, P9PA, QYWA, R2PA, R3PA, RWPA, G6DA, AZWA, G6DB, QXWA, G6DC

1.25 16V, 1.4 16V, 1.6 16V, 1.7 16V, 1.8 16V, 1.8 16V with timing chain, 2.0 16V, 2.0 RS/ ST170, 2.0 with timing chain

1.4 TDCi, 1.6 TDCi, 1.8 D Turbo, 1.8 TdDi, 1.8 TDCi and 2.0 TDCi

DESCRIPTION

For checking and adjusting the engine timing

FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594670	Engine adjustment tool set for Renault, Volvo, Ford 16V, 20V petrol	29,00 €

FOR THE FOLLOWING MODELS

Renault Laguna (1996, 1999), Safrane (1996, 2001) with engine codes: N7Q 704, 710, 711 N7U 700, 701

Ford Kuga (start from 02/2008 onwards), Focus ST RS (start from 07/2004 onwards), S-Max (start from 03/2006 onwards), Galaxy (start from 03/2006 onwards), Mondeo (start from 02/2007 onwards) with engine codes: JZDA, HYDB, HYDC, HUWA

Volvo 850 (1992, 1997), C70 (1998, 2002), S40 (1996, 2004), V40 (1996, 2004), S60 (2001, 2005), S70 (1997, 2000), S80 (1999, 2005) with engine codes: B4164 S/S2, B4184 S/S2/S3/S9/S10, B4194 T/T2, B4204 S/S2/T/T2/T3/T5, B5202 FS, B5204 FT/T2/T3/T4/T5, B5234 T3/T4/T5/T6/T7/T8/T9, B5244 S/S2/SG/SG2/T3/T4/T5/T7, B5252 FS, B5254 T/T2/T4

DESCRIPTION

Contains important tools for adjusting the engine timing 1.6, 1.8, 1.9, 2.0, 2.3, 2.4, 2.5L DOHC engines

DELIVERY SCOPE

Camshaft retainer, use as OEM MOT1337, 999-5452, 303-1178

Tension roller key, use as OEM MOT1348

Flywheel retainer, use as OEM MOT1340, 999-5451, 303-1182

FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593010	Motor-Einstellwerkzeug-Satz für Ford 1.0, 3-Zylinder EcoBoost	259,00 €

ENGINE CODES

Engine code: M1DD, M1JA, M1JC, M1JE, M1JHM1JJ, M1DA, M2DA, M2DB, M2DC, SFDBSFJA, SFJB, SFJC, SFJD

DESCRIPTION

For checking and adjusting the engine timing Suitable for Ford engines 1.0L 3-cylinder; with 74 KW, 88 KW, 92 KW, 103 KW, installed in e.g. Fiesta, Focus, B-MAX, EcoSport

DELIVERY SCOPE

Camshaft fixing tool, use as OEM 303-1605 (x 2)

Adjustment tool for camshaft adjuster, use as OEM 303-1606 (x 2)

Crankshaft fixing mandrel, use as OEM 303-1604

Flywheel fixing tool, use as OEM 303-1602, 303-393A, 21-168

Tension roller fixing pin, use as OEM 303-1054



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ART.NR	ITEM NAME	PRICE
BT592578	Camshaft locking tool for 1.3l PSA diesel	16,00 €

DESCRIPTION

For holding the camshaft when loosening and tightening the bolts on the camshaft sprocket

Needed when working on the camshaft drive

Suitable for Citroën, Peugeot, Fiat, Ford, Alfa Romeo 1.3 JTD

Recommended accessory for BGS engine adjustment set Art. BT592540

Use as Ford OEM 303-1475 / Fiat OEM 1871008600



ART.NR	ITEM NAME	PRICE
BT593040	Engine adjustment tool set for Ford 2.5, Volvo 1.6, 2.5 and 2.4D	132,00 €

FOR THE FOLLOWING MODELS

Ford Focus 2.5 RS, ST, Mondeo 2.5, S-Max 2.5, Galaxy 2.5 ST (start from 2005 onwards)

Volvo C30 (2006, 2010), C70 (1998, 2010), S40 (1996, 2010), S60 (2000, 2009), S70 (1997, 2007), S80 (1998, 2006), V40 (1996, 2010), V50 (2004, 2010), V70 (1997, 2007), XC70 (2002, 2007), XC90 (2002, 2010)

ENGINE CODES

Ford engine codes: 2.5 Turbo (Euro 4), HUBA, HUWA, HYDA, JZDA

Engine codes: 1.6 (B4164S), 1.8 (B4184S), 1.9T (B4194T), 2.0 (B4204S, B4204T), 2.0T (B5204T3, B5204T4, B5204T5), 2.3 (B5234FS), 2.3T (B5234T3, B5234T7, B5234T9), 2.4 (B5244S, B5244S2, B5244S4, B5244S5, B5244S7), 2.4T (B5244T, B5244T3, B5244T4, B5244T5, B5244T7), 2.5R (B5254FS), 2.4D (D5244T9, D5244T8, D5244T13)

DESCRIPTION

For adjusting the camshaft and crankshaft when replacing the cylinder head seal

DELIVERY SCOPE

Crankshaft pulley holding tool, use as OEM 999 5433, 303-1179

Camshaft alignment tool, use as OEM 303-1178

Crankshaft alignment tool, use as OEM 303-1182

Camshaft holder, use as OEM 303-1183



ART.NR	ITEM NAME	PRICE
BT593130	Engine adjustment tool set for Hyundai, Mitsubishi	21,00 €

FOR THE FOLLOWING MODELS

Hyundai 1.6, 1.8, 2.0, 2.4 DOHC and Mitsubishi 1.8 to 3.5 16V and V6

Mitsubishi Colt (1989, 1995), Lancer (1989, 1995), Carisma (1996, 2005), Galant (1993, 2003), Sigma (1991, 1996), Eclipse (1991, 1995), 3000DTG (1993, 2000), Space Star (1999, 2006) with engines 1.8 16V GDI (4G63, 4G94), 2.0 16V GDI (4G63, 4G94, 6A12), 2.4 GDI (4G64, 4G69), 3.5 GDI V6 (6G74), 2.5 V6 (6G73, 6a13), 3.0 V6 (6G72)

Hyundai Lantra (1991, 1996), Sonata (1993, 2001), Trajet (2000, 2005), Santa Fe 6.1 with engine G4-N, G4-CP, 4JP, G4-P-, G4-R-, G4-JS

DESCRIPTION

Contains important tools for checking the engine control and replacing the toothed belt



ART.NR	ITEM NAME	PRICE
BT593029	Crankshaft locking pin for Ford Zetec, Duratec engines	5,00 €

DESCRIPTION

Suitable for Ford Zetec SE and Duratec 1.25, 1.4, 1.6l engines, installed in the Fiesta, Fusion and Focus



ART.NR	ITEM NAME	PRICE
BT594460	Engine adjustment tool set for PSA 2.5, 2.8 l diesel	12,00 €

FOR THE FOLLOWING MODELS

Citroen, Peugeot, Fiat, Iveco Traffic (1980-2000), Master (1980-2007), Mascot (1999-2007)

Fiat, PSA, Renault Daily (1991-2005), Turbo Daily (1994-2000), Relay, Jumper (2001-2002) Boxer (2000-2006), Arena (1997-2001), Movano (1998-2003)

DESCRIPTION

Use as OEM Fiat 1 870 667 000, 1 870 765 001, 1 860 617 000, Renault MOT861, MOT1054, MOT863, Opel KM6031, Ford 21-260, 303-732, Peugeot 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Citroen 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Mazda 49 JE 02018, 0991246510, Volvo 999-7169

DELIVERY SCOPE

2 locking bolts

Flywheel locking bolt

Holding tool for toothed belt tensioner



FITS FOR:

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597940	Engine adjustment tool set for Peugeot, Citroën, PSA	89,00 €

ART.NR	ITEM NAME	PRICE
BT593160	Engine adjustment tool set for Jaguar, Land Rover, Ford, Citroën 2.0, 2.2, 2.4, 3.2 diesel	105,00 €

FOR THE FOLLOWING MODELS

Citroën AX, Berlingo, BX, C5, C15, C25, Dispatch, Evasion, Jumper, Jumpy, Relay, Saxo, Synergie, Visa, Xsara, Xantia, XM, XJR, ZX, etc.

Peugeot 106, 205, 306, 405, 406, 605, 806, J5, Boxer, Expert, Partner, Solara, Talbot Express, Talbot Horizon, etc.

PSA petrol engines 1.9, 1.1, 1.4, 1.6, 1.8, 1.9, 2.0, 1.6, 1.8, 2.0, 2.2 16V (turbo and dual camshafts)

PSA diesel engines 1.4, 1.5, 1.7, 1.8, 1.9, 2.1, 2.5 D, TD, TDI, 1.4, 1.6, 2.0, 2.2 HDI

Suitable for structurally identical engines in Fiat, Ford, Nissan, Renault, Rover, Toyota, etc.

Flywheel fixing mandrel (for automatic transmission), use as OEM 0189R

Camshaft marking mandrel, use as OEM 0189AZ

Crankshaft retainer, use as OEM 0288D, 0188Y, 7014

Flywheel fixing mandrel (manual transmission), use as OEM 0189C

Flywheel interlock, use as OEM 0188F, 0134Q, 1870765001, 1870827000, 0134AF, 9044-T, 1871000400

Camshaft marking mandrel (CA1), use as OEM 4533-TAC1, 0132AJ1

Camshaft and crankshaft retainer, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01061, 21-263

Camshaft marking mandrel (CA2), use as OEM 0132AJ2, 2000023000, 0188M, 4533-TAC2

Marking mandrel for injection pump, use as OEM 4527-TS1

Injection pump fixing mandrel, use as OEM 0188H, 1 860 965 000

Flywheel fixing mandrel, use as OEM 49JE02020, 0194C, 21-262, 999-7121, 999-7169, 303-734

2 camshaft and crankshaft marking mandrels, use as OEM 4507-TB, 7014-TN, 0132-R, 0153-AB, 0158-G

2 camshaft and crankshaft interlocks, use as OEM KM-955, 7014-TM

2 camshaft marking mandrels, use as OEM 9041-TZ, 5711-TC

2 crankshaft fixing mandrels, use as OEM 5711-TD, 119790, 0194A, 1860617000, 303-732, 07744-00104-00, 49JE02018, 0178D, 9997169, 4527-TS2, 21-260, 999-7169, 0132AB

Camshaft fixing mandrel, use as OEM 0189L

Screw M8 x 80 mm

Pin for clamping device, 3 mm, use as OEM 0153AL, 4200TA

Centring clip for crankshaft pulley, use as OEM 0188AH

Crankshaft marking mandrel, 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Flywheel adjustment pin with spring, use as OEM 0188X, 0189X

Tensioning spanner, 8 mm, use as OEM 7017-TW

Flywheel fixing mandrel, 7 mm, use as OEM 7017-TR

Angled adjustment pin, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N

Clamping tool, use as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0132X

Camshaft marking mandrel, use as OEM 0189A, 1 871 008 100

Hdi tension roller lever, use as OEM 0188J2

Tension roller lever, use as OEM 5711-TE, 0178E, 0188J1

Flywheel disc extractor, use as OEM 0174.0188P, 018892, 7015-T

Toothed belt retaining clamp, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100

Flywheel retainer, use as OEM 0195K, 4507-TL

Clamping tool, use as OEM 0189S1

Flywheel retainer, use as OEM 1867030000, 0153A, 9765.54, 6012T, 1860161000

Tension lever, use as OEM 0189S2

Angled locking pin, 5 mm

FOR THE FOLLOWING MODELS

Ford Mondeo (2000 - 2007), Transit (2000 - 2011)

Citroen Relay (2006 - 2011), Jumper III

Fiat Ducato (2006 - 2011)

Jaguar X-Type (2001 - 2010)

Land Rover Defender (2007 - 2011)

Peugeot Boxer III (2006 - 2011)

LDV Convoy (2002 - 2006)

with DURATORQ (PUMA) diesel engines

ENGINE CODES

2.0L engine code ABFA, D3FA, D5BA, D6BA, F3FA, F1FA, FMBA, HJBA, HJBB, HJBC, HJBE, N7BA, N7BB

2.2L (with chain-driven high-pressure pump), engine code QJBA (BG), QJBB, QJBC, QJBD

2.2L (high-pressure pump driven via camshaft), engine code 4HM, 4HU, 4HV, P8FA, P22DTE, QVFA, QWFA

2.4L with engine code 244DT, DOFA, D2FA, D2FB, D4FA, F4FA, FXFA, H9FA, H9FB, HE FA, HFFA, JXFA, PHFA, ZSD 424

3.2L with engine code SAFA (timing only)

DESCRIPTION

For checking and adjusting the engine timing

Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Engine cover adjustment tool, use as OEM 303-682

Tool for engine cover/crankshaft radial sealing ring, use as OEM 303-679A

High-pressure pump wheel holding tool, use as OEM 303-1151

High-pressure pump wheel disassembly tool, use as OEM 303-249

Flywheel locking bolt, use as OEM 303-675

Flywheel locking bolt, use as OEM 303-698

Locking pin set, 3 pcs, 6 mm

Tensioner locking pin, 2 mm

IVECO



ART.NR	ITEM NAME	PRICE
BT592520	Engine adjustment tool set for Fiat Ducato, Peugeot Boxer, Citroën Jumper 2.3 D JTD, 3.0 JTD, HDi	50,00 €

FOR THE FOLLOWING MODELS

Citroen Relay/Jumper III
Fiat Ducato
Iveco Daily (03-10), Daily/EcoDaily (2009-2011)
Peugeot Boxer III (2006-2012)
2.3D, 2.3 JTD F1AE0418A, F1AE0481B, F1AE0481C, F1AE0418D, F1AE0481F, F1AE0481FA, F1AE0481G, F1AE0481H, F1AE0481HA, F1AE0481N, F1AE-0481UA.F1AE0481VA
3.0JTD F1CE0481A, F1CE0481B, F1CE0481D, F1CE0481F, F1CE0481H, F1CE3481M
3.0HDi F30DTE, F1CE0481D, F1CE3481DM, F1CE3481N

DESCRIPTION

Use as OEM Fiat 99360187, 99360614, 99360615, 1860617000, 1860815000, 20000180200, Citroën/Peugeot 0191-2A, 0191-2B, 0191-2J, 0191-2K

DELIVERY SCOPE

2 camshaft fixing mandrels
1 crankshaft fixing mandrel



ART.NR	ITEM NAME	PRICE
BT594460	Engine adjustment tool set for PSA 2.5, 2.8 l diesel	12,00 €

FOR THE FOLLOWING MODELS

Citroen, Peugeot, Fiat, Iveco Traffic (1980-2000), Master (1980-2007), Mascot (1999-2007)
Fiat, PSA, Renault Daily (1991-2005), Turbo Daily (1994-2000), Relay, Jumper (2001-2002) Boxer (2000-2006), Arena (1997-2001), Movano (1998-2003)

DESCRIPTION

Use as OEM Fiat 1 870 667 000, 1 870 765 001, 1 860 617 000, Renault: MOT861, MOT1054, MOT863, Opel KM6031, Ford 21-260, 303-732, Peugeot 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Citroen 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Mazda 49 JE 02018, 0991246510, Volvo 999-7169

DELIVERY SCOPE

2 locking bolts
Flywheel locking bolt
Holding tool for toothed belt tensioner



ART.NR	ITEM NAME	PRICE
BT541062	Crankshaft turning tool for Iveco	99,00 €

FOR THE FOLLOWING MODELS

Euro Cargo, Cargo 150E27R PR, FPR, 320E27T, PT Euro Tech, Eurostar

ENGINE CODES

Engine code: 8360.46/F3A/F3B

DESCRIPTION

For turning the crankshaft when adjusting the engine or carrying out other repairs
Attached to the transmission bell housing and engages in the starter sprocket

DELIVERY SCOPE

Crankshaft lathe tool, use as OEM 99360321



ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

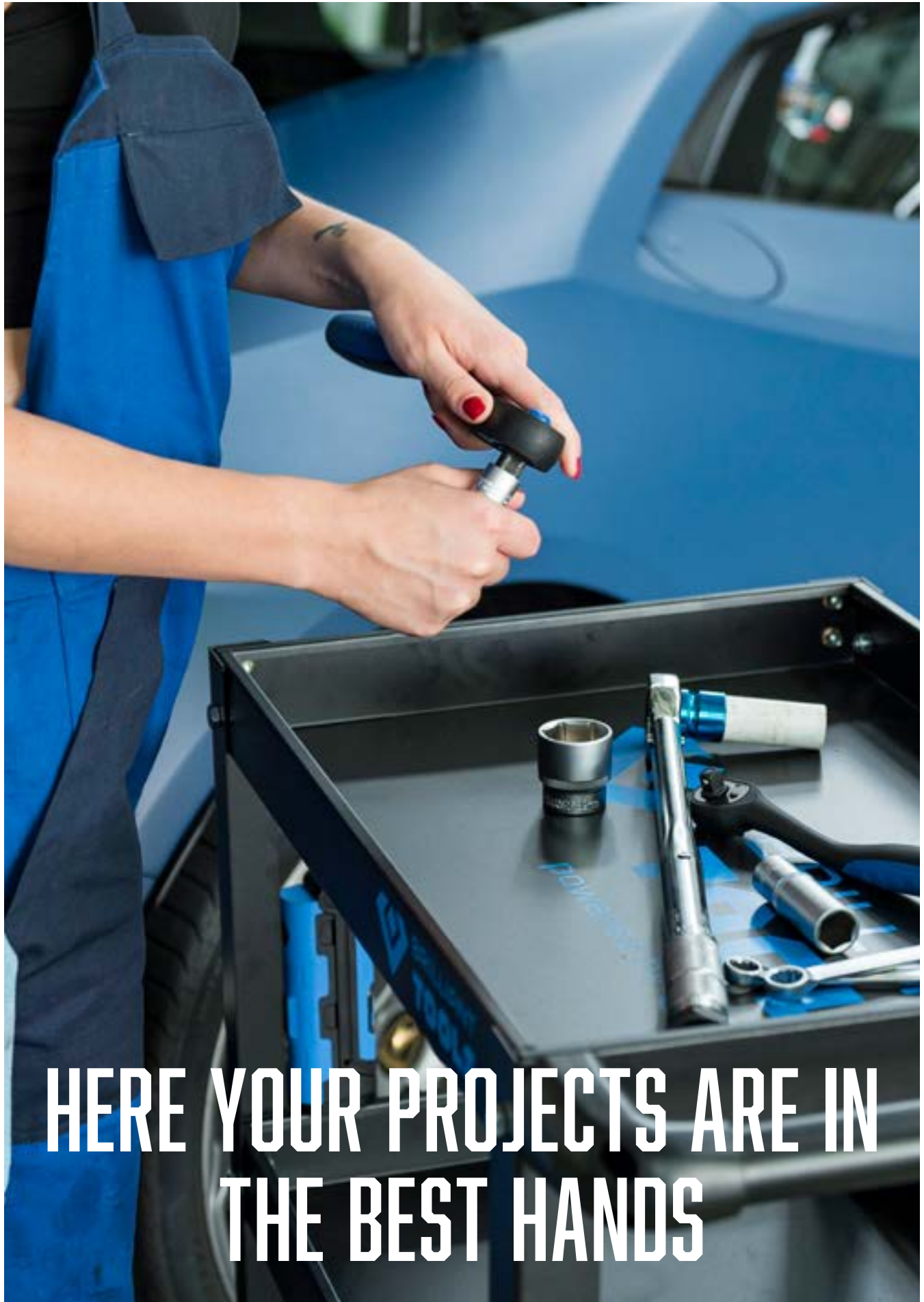
DESCRIPTION

For pulling the pulley and camshaft gear
Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly
Continuous adjustment range of the gripping arms start from 42 – 82 mm
Gripping arm depth is 27 mm

DELIVERY SCOPE

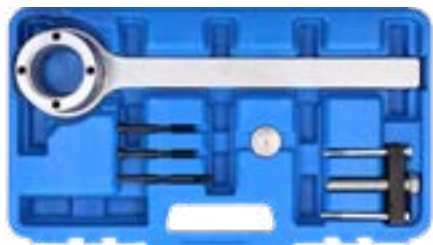
3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm
6-groove puller body with adjusting disc
Spindle, M14 x 1.5, 19 mm hex, with centring cone





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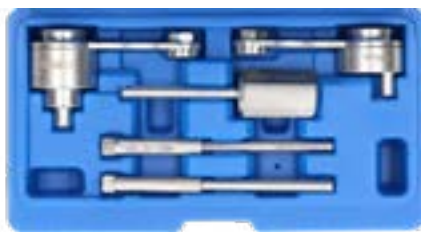
JAGUAR



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593300	Crankshaft pulley tool set I for Jaguar, Land Rover	99,00 €

DESCRIPTION	
Non-destructive removal and fitting of the crankshaft pulley	
Needed when working on the camshaft drive	
Crankshaft pulley counter support, use as OEM 303-893	
2 fastening screws, use as OEM 303-588	



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593150	Engine adjustment tool set for Land Rover, Jaguar 2.7	34,00 €

FOR THE FOLLOWING MODELS	
Jaguar S-Type TDVi (2004, 2009)	
Land Rover TDV6 Discovery	
Range Rover Sport TDV6 (2004, 2006)	

ENGINE CODES	
Engine code: 276DT	

DESCRIPTION	
For adjusting and checking the engine timing	
Needed when working on the valve train and replacing the cylinder head seal	

DELIVERY SCOPE	
Flywheel interlock (manual tension roller), use as OEM 303-1116	
Flywheel interlock (automatic tension roller), use as OEM 303-1117	
Camshaft wheel adjustment tool, use as OEM 303-1132	
Camshaft wheel adjustment pin, 2 pieces, use as OEM 303-1126 (PSA 0195H)	



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593190	Engine adjustment tool set for Jaguar, Land Rover 5.0 V8	189,00 €

FOR THE FOLLOWING MODELS	
Suitable for the following models with a 5L V8 engine: X150-XK (10MY), X250-XF (10MY), X351-XJ (10MY)	

DESCRIPTION	
For adjusting and checking the engine timing	
Needed when working on the valve train and replacing the cylinder head seal	

DELIVERY SCOPE	
Camshaft adjustment tool, use as OEM 303-1445	
Crankshaft locking bolt, use as OEM 303-1447	
Flywheel locking tool, use as OEM 303-1448	
Crankshaft turning tool, use as OEM 303-1452	
Timing chain tensioning tool, use as OEM 303-1482	

1 - 200 Nm

BT141901...905

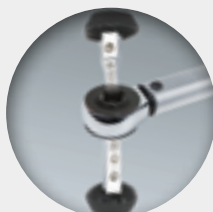
Torque wrench with rotary mushroom ratchet head



2K

9x12 mm	1/4" - 1/2"	
14x18 mm	1/4" - 1"	

from **79,- €**



BT No.	"	Nm	EAN 4042146+	€
BT141905	1/4	1 - 25	865569	79,00
BT141903	3/8	5 - 50	863749	79,00
BT141904	1/2	10 - 100	863756	79,00
BT141901	1/2	20 - 200	813140	79,00
BT141902	1/2	40 - 200	863633	89,00



ART.NR	ITEM NAME	PRICE
BT593160	Engine adjustment tool set for Jaguar, Land Rover, Ford, Citroën 2.0, 2.2, 2.4, 3.2 diesel	105,00 €

FOR THE FOLLOWING MODELS

- Ford Mondeo (2000 - 2007), Transit (2000 - 2011)
- Citroen Relay (2006 - 2011), Jumper III
- Fiat Ducato (2006 - 2011)
- Jaguar X-Type (2001 - 2010)
- Land Rover Defender (2007 - 2011)
- Peugeot Boxer III (2006 - 2011)
- LDV Convooy (2002 - 2006)
- with DURATORQ (PUMA) diesel engines

ENGINE CODES

- 2.0L engine code ABFA, D3FA, D5BA, D6BA, F3FA, F1FA, FMBA, HJBA, HJBB, HJBC, HJBE, N7BA, N7BB
- 2.2L (with chain-driven high-pressure pump), engine code QJBA (BG), QJBB, QJBC, QJBD
- 2.2L (high-pressure pump driven via camshaft), engine code 4HM, 4HU, 4HV, P8FA, P22DTE, QVFA, QWFA
- 2.4L with engine code 244DT, DOFA, D2FA, D2FB, D4FA, F4FA, FXFA, H9FA, H9FB, HE FA, HFFA, JXFA, PHFA, ZSD 424
- 3.2L with engine code SAFA (timing only)

DESCRIPTION

For checking and adjusting the engine timing
Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

- Engine cover adjustment tool, use as OEM 303-682
- Tool for engine cover/crankshaft radial sealing ring, use as OEM 303-679A
- High-pressure pump wheel holding tool, use as OEM 303-1151
- High-pressure pump wheel disassembly tool, use as OEM 303-249
- Flywheel locking bolt, use as OEM 303-675
- Flywheel locking bolt, use as OEM 303-698
- Locking pin set, 3 pcs, 6 mm
- Tensioner locking pin, 2 mm



ART.NR	ITEM NAME	PRICE
BT593180	Engine adjustment tool set for Jaguar, Land Rover 2.7, 3.0 TD V6	67,00 €

FOR THE FOLLOWING MODELS

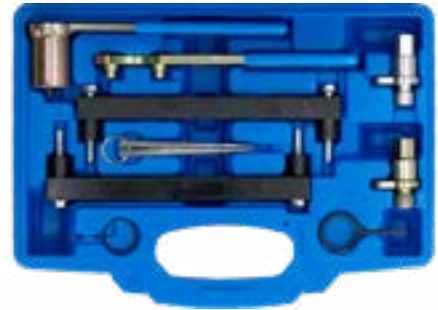
- Citroen C5 III (2007 - 2009), C6 (2005 - 2009)
- Jaguar S-Type (2004 - 2008), XF (2008 - 2012), XJ (2010 - 2012), XJ6 (2005 - 2010)
- Range Rover Sport (2005 - 2009)
- Peugeot 407 (2004 - 2009), 407 Coupe (2006 - 2009), 607 (2004 - 2011) 2.7TD V6, TDVi (276DT) 2.7D HDi (DT17BTEd4) (UHZ) 3.0D HDi (D20CTED4) (X8Z) 3.0D SD V6, TD V6 (306DT) (AJ-V6D)

DESCRIPTION

For checking and adjusting the engine timing
Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

- Flywheel interlock (manual), use as OEM (Rover) 303-1116
- Flywheel interlock (automatic), use as OEM (Rover) 303-1117
- Camshaft sprocket adjustment pin, use as OEM (Rover) 303-1132
- Camshaft sprocket adjustment pin, 2 pcs, use as OEM (Rover) 303-1126, (PSA) 0195H
- Water pump locking pin, use as OEM (PSA) 0195-C
- Flywheel locking tool, use as OEM (PSA) 0195-K
- Toothed belt retaining clip, use as OEM (PSA) 0188-K



ART.NR	ITEM NAME	PRICE
BT593250	Engine adjustment tool set for Land Rover, Jaguar V8	85,00 €

FOR THE FOLLOWING MODELS

Suitable for 3.2 3.5 4.0 4.2 4.4L engines in the following models: Jaguar XJ8 (1997, 2009), engine AJ26 AC, BC, LC, 1B, 5G, SB, Jaguar XJR (1997, 2009), engine AJ27 KB, CC, MA, 2B, 9G, TB, Jaguar S-Type (1999, 2008), engine AJ28 KC, CE, MB, 3B, HB, PC, Jaguar XF (2008, 2009), engine AJ34 3.5, DC, NB, 1G, HG, Jaguar XK8 (1997, 2009), engine RB, EC, NC, Jaguar XKR (1998, 2009), engine GB, PA, Range Rover (2006, 2009), 4.2L engine (428PS), Range Rover (2005, 2009), 4.2L engine (428PS), Land Rover Discovery III (2005, 2009)

DESCRIPTION

For adjusting and checking the engine timing
Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

- Flywheel locking bolt (silver), use as OEM 303-531
- Flywheel locking bolt (gold), use as OEM 303-645
- 2 camshaft adjustments plate, use as OEM 303-530
- Camshaft sprocket holding tool, use as OEM 303-532
- 2 wedges, use as OEM 303-533
- Primary tensioner locking pin, use as OEM T40011
- Adjustment tool for VVT unit, use as OEM 303-654
- Tensioner locking pin

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FITS FOR: **Jeep**

ART.NR	ITEM NAME	PRICE
BT593310	Engine adjustment tool set for Jeep 3.0 V6 diesel	76,00 €

FOR THE FOLLOWING MODELS

Jeep Grand Cherokee 3.0 V6 CRD (2011, 2015), engine code: EXF VM23D

Jeep Grand Cherokee 3.0 Multijet (2011, 2015), engine code: EXF VM44D

DESCRIPTION

For adjusting the engine timing when replacing the timing chain or the cylinder head seal

DELIVERY SCOPE

Camshaft locking tool for the right cylinder head, use as OEM VM10338-1

Camshaft locking tool for the left cylinder head, use as OEM VM10338-2

Chain tensioner locking pin, use as OEM VM1039a

Crankshaft locking pin, use as OEM VM10339



FITS FOR: **Jeep** 

ART.NR	ITEM NAME	PRICE
BT593670	Engine adjustment tool set for Chrysler, Jeep, Dodge 2.8l Diesel	54,00 €

FOR THE FOLLOWING MODELS

Grand Voyager

Jeep Cherokee

Wrangler

Dodge Nitro

ENGINE CODES

Engine codes: VM64C, ENS, ENS (51C), 49C, 50C, ENS VM10D, ENS VM11D

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Camshaft locking tool, use as OEM VM9991

Crankshaft locking tool, use as OEM VM9992



FITS FOR: **Jeep** 

ART.NR	ITEM NAME	PRICE
BT593890	Engine adjustment tool set for Chrysler 2.5 CRD	54,00 €

FOR THE FOLLOWING MODELS

Chrysler Voyager, Grand Voyager R2516C, R2516L, R2816K engines

Jeep Cherokee (year of construction 2001, 2008) 2.5, 2.8 engines

LDV Maxus (year of construction 2005, 2008) VM2516L engines

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Camshaft locking pin (intake), use as OEM VM1052

Camshaft locking pin (exhaust), use as OEM VM1053

Flywheel locking pin (Voyager, Grand Voyager 2.5, 2.8 and LDV Maxus), use as OEM VM1068, VM1089

Flywheel locking pin (Jeep Cherokee 2.8), use as OEM VM1080

Flywheel locking pin (Jeep Cherokee 2.5), use as OEM VM8873

Tensioning spanner, use as OEM VM9660

Balance shaft locking pin

Flywheel locking pin

BT521300
EAN 4042146778845

water pump removal tool for Volkswagen

3
pcs.

Volkswagen T5 | Touareg 2,5 L Diesel



59,- €



GREAT PERFORMANCE IS ALSO AVAILABLE FOR A SMALL PRICE!



LANCIA



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592700	Engine adjustment tool set for Alfa Romeo, Fiat 1.4 MultiAir	69,00 €

FOR THE FOLLOWING MODELS

Alfa Romeo Giulietta, Mito, Fiat Punto, Punto Evo 1.4 (Turbo) MultiAir (105/135/163/170PS)

Engine codes: 940A2.000, 940A2.000, 955A8.000, 955A8.000, 940A2.000, 955A8.000, 955A2.000, 955A7.000, 955A6.000, 955A8.000

DESCRIPTION

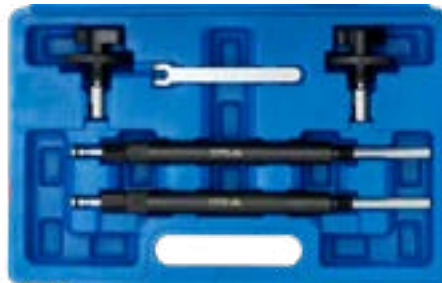
For adjusting the engine timing when replacing the toothed belt

DELIVERY SCOPE

Camshaft adjustment tool including 3 fastening screws, use as OEM 2000034400

Crankshaft locking tool including 4 fastening screws, use as OEM 2000004500

Tension roller key, use as OEM 1860987000



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592600	Engine adjustment tool set for Fiat 1.2 16V	49,00 €

FOR THE FOLLOWING MODELS

Fiat 500 1.2 (2007), Brava 1.2, Bravo 1.2 16V (1995-2002), Grande Punto 1.2, Idea 1.2, Idea 1.2 16V, Mareta 1.2, Marea Weekend, Marengo 1.2, Palio Weekend 1.2 16V (1993-1999), Punto 1.2 (1993-1999), Punto Classic 1.2 16V (1999), Stilo 1.2

Lancia Ypsilon 1.2 16V (1996 - 2003)

ENGINE CODES

Engine codes: 176B9.000, 169A4.000, 182B2.000, 188A5.000

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Measurement adapter for piston height (2 x), use as OEM 1860992000

Camshaft adjustment tools (2 x), use as OEM 1860985000

Tension roller key, use as OEM 1860987000



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591310	Engine adjustment tool set for Alfa Romeo, Lancia, Fiat 0.9	33,00 €

FOR THE FOLLOWING MODELS

Alfa Romeo Mito from 2012 onwards

Fiat 500 from 2010 onwards

Fiat Panda from 2012 onwards

Fiat Punto from 2012 onwards

Lancia Ypsilon from 2012 onwards

DESCRIPTION

For adjusting the engine timing, e.g. when replacing the timing chain, repairing the cylinder head, etc.

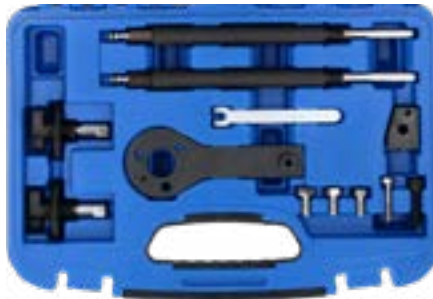
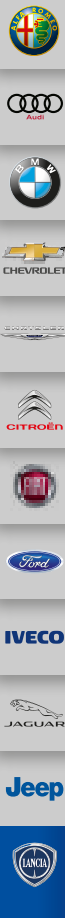
DELIVERY SCOPE

Crankshaft locking mandrel, use as OEM 2000035300

Pulley locking mandrel, use as OEM 2000035200

Camshaft interlock plate, use as OEM 2000035100





FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592570	Engine adjustment tool set for Fiat 1.4 12V	46,00 €

FOR THE FOLLOWING MODELS

Fiat: Brava, Bravo, Marea, Weekend
Lancia Ypsilon

ENGINE CODES

Engine code: 182 A3.000, 182 A5.000

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Camshaft adjustment tool, use as OEM 1860899000
Crankshaft adjustment tool, use as OEM 1860901000
Pin for crankshaft adjustment tool, use as OEM 1860901000

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591320	Engine adjustment tool set for Fiat, Alfa Romeo, Lancia 1.2 16V, 1.4 16V, T-Jet	35,00 €

FOR THE FOLLOWING MODELS

Adjustment tool for piston height, use as OEM 1.860.992.000

DESCRIPTION

For adjusting engine timing when replacing the toothed belt, repairing the cylinder head, replacing the cylinder head seal, etc.

Suitable for Alfa Romeo, Fiat and Lancia 1.2 16V, 1.4 16V, 1.4 T-Jet

Engine codes e.g. 169A3000, 179B9000, 182B2000, 188A5000, 192B2000, 198A1000, 198A4000, 199A6000, 199A8000, 843A1000

DELIVERY SCOPE

Crankshaft interlock (with screws M6x30 and 3 pcs M8x16), use as OEM 2.000.004.500
Camshaft adjustment tools (1 pair), use as OEM 1.860.985.000
Adjustment tool for piston height, use as OEM 1.860.992.000
Adjustment spanner for toothed belt tensioner, use as OEM 1.860.987.000
Interlock tool for camshaft sprockets (with M8x30 screw), use as OEM 2.000.015.800

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591350	Engine adjustment tool set for Fiat, Lancia, Alfa Romeo	249,00 €

FOR THE FOLLOWING MODELS

Alfa Romeo 145 1.4, 1.6 16V Step A – 146 1.4, 1.6 16V Step A – 147 1.6 16V Step A – 147 105 PS – 147 1.6 eco 103 PS – 155 1.4, 1.6 16V Step A – 156 1.6 16V Step A – 156 1.8, 2.0 16V – 156 2.0 JTS – 166 2.0 – GTV 2.0 JTS – Spider GT 2.0 JTS 16V 165 PS

Lancia K5 2.0 20V, 4-cylinder, VIS engines from year of construction 1996 onwards, Delta 1.8 16V Step A, Dedra 1.8 16V Step A, Y10 1.4 12V

Fiat Bravo 1.4 12V, 2.0 20V – Brava 1.4 12V, 2.0 20V – Marea 2.0 20V, Coupe 1.8 16V, Barchetta 1.8 16V, Punto 1.8 16V

DESCRIPTION

Special insert, drive square socket 12.5 mm (1/2") for dismantling the phaser
23 precisely fitting locking devices for the feed and discharge camshaft
prevent the camshafts from twisting after assembly and position them in assembly position for the toothed belt.
The locking devices are labelled with numbers and additionally colour-coded to avoid confusion
The OT point adjustment mandrel and a micrometer clock (not scope of delivery) makes a precise alignment of the crankshaft possible

DELIVERY SCOPE

Cam shaft locking devices, use as OEM 1 825 041 000, 1 825 042 000, 1 860 096 100, 1 860 819 000, 1 860 847 000, 1 860 892 000, 1 860 899 000, 1 870 797 000
Bracket for dial gauge for adjusting the piston OT (requires dial gauge), use as 1 860 895 000, 1 895 879 000, 1 825 013 000
Insert for phaser, use as OEM 1 822 110 000, 1 852 161 000

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FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592800	Engine adjustment tool set for Fiat, Lancia	149,00 €

DESCRIPTION

For checking and adjusting the engine timing
 Locking the flywheel
 Locking the crankshaft
 Locking the camshaft
 Locking the injection pump shaft
 Removing the crankshaft pulley

DELIVERY SCOPE

Locking the flywheel
 Locking the crankshaft
 Locking the camshaft
 Locking the injection pump shaft
 Removing the crankshaft pulley
 Tensioning the toothed belt



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592660	Camshaft interlock tool for Fiat, Alfa, Lancia	12,00 €

DESCRIPTION

Suitable for Fiat DOHC 1.6L 12V/16V petrol engines, installed in the Fiat models Brava, Bravo, Coupe, Marea, StiloWeekend, Multipla, Palio



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592801	Tensioning spanner for Fiat	6,00 €



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591245	Camshaft locking tool set for Alfa Romeo, Lancia 3.0 V6 24V	34,00 €

FOR THE FOLLOWING MODELS

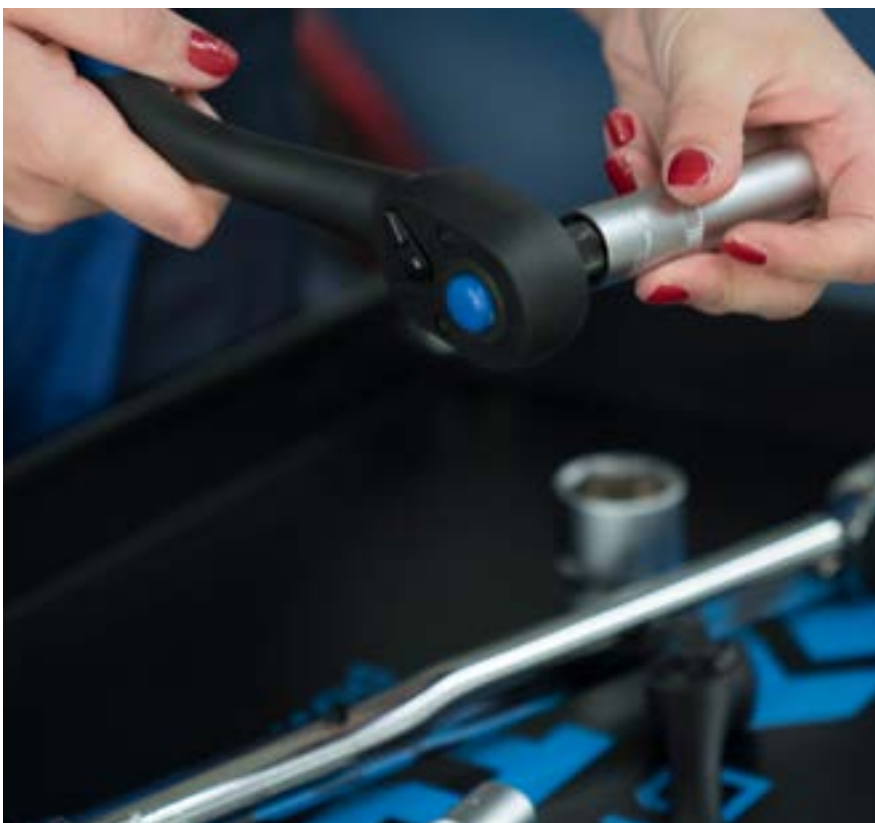
Alfa Romeo, Lancia 3.0L V6 24V

DESCRIPTION

For checking and adjusting the camshaft timing
 Use as OEM 1825040000

DELIVERY SCOPE

Camshaft adjustment tool for intake cam 1-cylinder
 Camshaft adjustment tool for exhaust cam 1-cylinder
 Camshaft adjustment tool for intake cam 6-cylinder
 Camshaft adjustment tool for exhaust cam 4-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592575	Camshaft locking block for Fiat, Lancia 1.4 12V	12,00 €

FOR THE FOLLOWING MODELS

Fiat Bravo, Brava, Lancia Y10 1.4 12V

ENGINE CODES

Engine code: 182A3.000, 182A5.000

DESCRIPTION

For locking the camshafts when adjusting the engine timing
 Use as OEM 1860899000



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591280	Camshaft locking tool set for Lancia 2.0 VIS 4 cylinder	20,00 €

FOR THE FOLLOWING MODELS
Lancia Kappa 2.0. 2.4 20V (1994, 1997)

DESCRIPTION
For adjusting and checking the engine timing
Use as OEM 1860819000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 3-cylinder
Camshaft adjustment tool for exhaust cam 2-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591225	Camshaft locking tool set for Fiat, Lancia 1.8l 130 PS	17,00 €

FOR THE FOLLOWING MODELS
Fiat, Lancia 1.8L 16V 130PS

DESCRIPTION
For checking and adjusting the camshaft timing
Use as OEM 1860847000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 2-cylinder
Camshaft adjustment tool for exhaust cam 3-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592590	Camshaft locking tool set for Fiat, Lancia 1.8 16V	17,00 €

FOR THE FOLLOWING MODELS
Fiat Coupe, Barchetta, Punto (HGT), Barchetta (HGT)
Lancia Delta, Dedra Step "A"

DESCRIPTION
For checking and adjusting the engine timing
Use as OEM 1870697000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 2-cylinder
Camshaft adjustment tool for exhaust cam 3-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591270	Camshaft locking tool set for Lancia 2.4 20V	17,00 €

FOR THE FOLLOWING MODELS
Lancia 2.4L 20V 5-cylinder (up until 1996)

DESCRIPTION
For adjusting and checking the engine timing
Use as OEM 1860818000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 3-cylinder
Camshaft adjustment tool for exhaust cam 2-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592585	Camshaft locking tool set for Fiat, Lancia 1.8, 115 PS	17,00 €

FOR THE FOLLOWING MODELS
Fiat Bravo, Brava, Marea 1800 16V, 115 PS
Lancia Delta, Dedra 1800 16V, 115 PS

DESCRIPTION
For checking and adjusting the engine timing
Use as OEM 1860875000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 2-cylinder
Camshaft adjustment tool for exhaust cam 3-cylinder



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591275	Camshaft locking tool set for Lancia K 2.0l 20V	20,00 €

FOR THE FOLLOWING MODELS
Lancia 2.0L 20V 5-cylinder VIS (from 1996 onwards)

DESCRIPTION
For adjusting and checking the engine timing
Use as OEM 1860961000

DELIVERY SCOPE
Camshaft adjustment tool for intake cam 2-cylinder
Camshaft adjustment tool for exhaust cam 3-cylinder

LAND ROVER



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592880	Engine adjustment tool set for Rover, Peugeot, Ford, Volvo 2.0, 2.2i D	12,00 €

FOR THE FOLLOWING MODELS

Peugeot 807 (2005, 2011), 407 (2005, 2011), 607 (2005, 2009), engine DW10UTED4 (RHK), DW10BTED4 (RHR)DW12BTED4 (4HS), (4HP), (4HT), (4HR)
Citroën C4 (2004, 2010), C5 II (2004, 2010), engine DW10BTED4 (RHR)
Land Rover Freelander (2006, 2010), engine DW12BTED4, 224DT
Volvo S40 (2003, 2010), V50 (2006, 2010), C70 (2006, 2010), S80 (2007, 2010), C30 (2006, 2010), V70 (2007, 2010), engine D420T 2.0D
Ford S-Max 2.2 (2008, 2010), Galaxy 2.2 (2008, 2010), Mondeo 2.2, 2.0 (2007, 2010)

ENGINE CODES

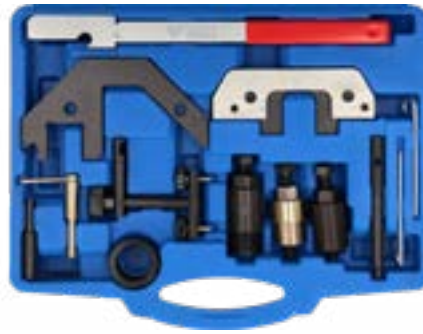
Engine codes: GXBA(2.2), GXWA(2.0), GXBB(2.0), Q4BA(2.2), GXWA(2.0), GXWB(2.0), AZBA(2.0), AZBC(2.0), AZWA(2.0)

DESCRIPTION

Makes it easier to check and adjust the engine timing

DELIVERY SCOPE

Camshaft interlock, use as OEM PSA 0188.M, Ford 303-735, 303-1277, Volvo 999-7122
Crankshaft interlock, use as OEM PSA 0188.X, Ford 303-1059, 303-1270, Volvo 999-7121
Flywheel interlock, use as PSA 0188.F, Ford 303-393A, 303-393-01, 303-1272, Volvo 999-7119/7120



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591650	Engine adjustment tool set for BMW diesel engines	129,00 €

FOR THE FOLLOWING MODELS

BMW 1, 3, 5, 6, 7, X3, X 5 (series E34-36-38-39-66-83-90-91-92-93)
Land Rover, Range Rover, Freelander
Rover 75, MG, MG ZT
Vauxhall, Opel Omega-B

ENGINE CODES

M41, M51, M47 M47 TU/T2, M57 TU/T2 2.0I/3.0I (1998-2008)
204D3, Td4, Td 6
M47R

DELIVERY SCOPE

Timing chain counter support, use as OEM BMW 113360, Range Rover LRT-12-115
Camshaft alignment tool, use as OEM BMW 116321 (116320), Opel KM6267
Securing bracket alignment tool, use as OEM BMW 116322 (116320)
Injection pump extractor (long), use as OEM BMW 135120
Injection pump extractor, use as OEM BMW 135120, Range Rover LRT-12-119
Injection pump extractor (short), use as OEM BMW 135191, 135192 (135190), Opel KM6270
Threaded ring, use as OEM BMW 135191, 135192 (135190), Opel KM6270
Camshaft securing bridge, use as OEM BMW 113320, Rover LRT-12-112
Crankshaft marking pin, use as OEM BMW 115180
Crankshaft marking pin, use as OEM BMW 116080
Tension roller marking pins, use as OEM BMW 113340, Range Rover LRT-12-114, Opel KM-823
Crankshaft marking pin, use as OEM BMW 112300, Range Rover LRT-12-108



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592320	Balance shaft adjustment tool set for Land Rover, Citroën, Mitsubishi, Peugeot, Ford 2.2 DOHC diesel engines	42,00 €

FOR THE FOLLOWING MODELS

Land Rover Discovery, Discovery Sport, Freelander 2, eD4, TD4, TD4e (2009-2015) engine codes: 224DT, DW12CTED4/224DT, DW12BTED4/224DT
Citroën C5, C5 II, C5 III, C6, C8, C-Crosser HDi (200-2015) engine codes: 4HX (DW12CTED4), 4HP (DW12BTED4), 4HX (DW12TED4), 4HW (DW12TED4/L4)
Mitsubishi Outlander DI-D, DI-DC (2007-2013) engine codes: 4HK, 4HN
Peugeot 4007, 407, 607, 807, 406, 508, 607, HDi, GT HDi (2000-2015) engine codes: DW12MTED4 (4HK), DW12MTED4 (4HN), DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HT), DW12TED4/L4 (4HW), DW12BTED4 (4HS), DW12ATED (4HZ), DW12ATED4 (4HX), DW12ATED (4HZ), DW12CTED4 (4HL)
Ford Galaxy, Mondeo, S-Max, TDCI, TCI (2008-2015) engine codes: KNBB, KNBA, KNWA, Q4BA

DESCRIPTION

For adjusting the balance shaft

DELIVERY SCOPE

Balance shaft fixing tool, use as OEM 303-1329
Balancing tool, use as OEM 303-1330
Balance shaft adjustment tool, use as OEM 303-1328, 0190D



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT597940	Engine adjustment tool set for Peugeot, Citroën, PSA	89,00 €

FOR THE FOLLOWING MODELS

Citroën AX, Berlingo, BX, C5, C15, C25, Dispatch, Evasion, Jumper, Jumpy, Relay, Saxo, Synergie, Visa, Xsara, Xantia, XM, XJR, ZX, etc.

Peugeot 106, 205, 306, 405, 406, 605, 806, J5, Boxer, Expert, Partner, Solara, Talbot Express, Talbot Horizon, etc.

PSA petrol engines 1.9, 1.1, 1.4, 1.6, 1.8, 1.9, 2.0, 1.6, 1.8, 2.0, 2.2 16V (turbo and dual camshafts)

PSA diesel engines 1.4, 1.5, 1.7, 1.8, 1.9, 2.1, 2.5 D, TD, TDI, 1.4, 1.6, 2.0, 2.2 HDI

Suitable for structurally identical engines in Fiat, Ford, Nissan, Renault, Rover, Toyota, etc.

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Flywheel adjustment pin with spring, use as OEM 0188X, 0189X

Tensioning spanner, 8 mm, use as OEM 7017-TW

Flywheel fixing mandrel, 7 mm, use as OEM 7017-TR

Angled adjustment pin, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N

Clamping tool, use as OEM 4507-TJ, 9767-89, 0188Q1, 0132X1Z, 0132X

Camshaft marking mandrel, use as OEM 0189A, 1 871 008 100

Hdi tension roller lever, use as OEM 0188J2

Tension roller lever, use as OEM 5711-TE, 0178E, 0188J/J1

Flywheel disc extractor, use as OEM 0174.0188P, 018892, 7015-T

Toothed belt retaining clamp, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100

Flywheel retainer, use as OEM 0195K, 4507-TL

Clamping tool, use as OEM 0189S1

Flywheel retainer, use as OEM 1867030000, 0153A, 9765.54, 6012T, 1860161000

Tension lever, use as OEM 0189S2

Angled locking pin, 5 mm

Flywheel fixing mandrel (for automatic transmission), use as OEM 0189R

Camshaft marking mandrel, use as OEM 0189AZ

Crankshaft retainer, use as OEM 0288D, 0188Y, 7014

Flywheel fixing mandrel (manual transmission), use as OEM 0189C

Flywheel interlock, use as OEM 0188F, 0134Q, 1870765001, 1870827000, 0134AF, 9044-T, 1871000400

Camshaft marking mandrel (CA1), use as OEM 4533-TAC1, 0132AJ1

Camshaft and crankshaft retainer, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01061, 21-263

Camshaft marking mandrel (CA2), use as OEM 0132AJ2, 2000023000, 0188M, 4533-TAC2

Marking mandrel for injection pump, use as OEM 4527-TS1

Injection pump fixing mandrel, use as OEM 0188H, 1 860 965 000

Flywheel fixing mandrel, use as OEM 49JE02020, 0194C, 21-262, 999-7121, 999-7169, 303-734

2 camshaft and crankshaft marking mandrels, use as OEM 4507-TB, 7014-TN, 0132-R, 0153-AB, 0158-G

2 camshaft and crankshaft interlocks, use as OEM KM-955, 7014-TM

2 camshaft marking mandrels, use as OEM 9041-TZ, 5711-TC

2 crankshaft fixing mandrels, use as OEM 5711-TD, 119790, 0194A, 1860617000, 303-732, 07744-00104-00, 49JE02018, 0178D, 9997169, 4527-TS2, 21-260, 999-7169, 0132AB

Camshaft fixing mandrel, use as OEM 0189L

Screw M8 x 80 mm

Pin for clamping device, 3 mm, use as OEM 0153AL, 4200TA

Centring clip for crankshaft pulley, use as OEM 0188AH

Crankshaft marking mandrel, 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ

FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593000	Engine adjustment tool for Ford 1.8 TDDI, TDCI	57,00 €

FOR THE FOLLOWING MODELS

Ford C-MAX (2007-2010), Courier (2000-2002), Fiesta (2000-2002), Focus (1998-2011), Focus C-MAX (2003-2007), Galaxy (2006-2010), Mondeo (2007-2010), S-MAX (2006-2014), Tourneo Connect (2002-2013), Transit Connect (2002-2013)

ENGINE CODES

BHPA, F9DA, F9DB, FFBA, FFDA, FFWA, HCPA, HCPB, KHBA, KKDA, KKDB, P7PA, P9PA, P9PB, QYBA, QYWA, R2PA, R3PA, RWPA, RWPC, KHBA, BHDA, BHDB, BHPA, C9DA, C9DB, C9DC, RTN, RTP, RTQ

DESCRIPTION

For checking and adjusting the engine timing
Use as OEM Ford 303-193 (21-104), 303-393 (21-168), 303-376 (21-162B), 303-652 (21-230), 310-095 (23-067)



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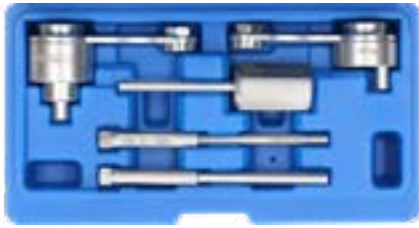


ART.NR	ITEM NAME	PRICE
BT593360	Camshaft locking tool for Rover, MG	4,00 €

DESCRIPTION

Suitable for Rover and MG models





FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593150	Engine adjustment tool set for Land Rover, Jaguar 2.7	34,00 €

FOR THE FOLLOWING MODELS

Jaguar S-Type TDVi (2004, 2009)
Land Rover TDV6 Discovery
Range Rover Sport TDV6 (2004, 2006)

ENGINE CODES

Engine code: 276DT

DESCRIPTION

For adjusting and checking the engine timing
Needed when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Flywheel interlock (manual tension roller), use as OEM 303-1116
Flywheel interlock (automatic tension roller), use as OEM 303-1117
Camshaft wheel adjustment tool, use as OEM 303-1132
Camshaft wheel adjustment pin, 2 pieces, use as OEM 303-1126 (PSA 0195H)

FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt
Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm
Single camshaft locking tool with short and long locking screw

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear
Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly
Continuous adjustment range of the gripping arms from 42 – 82 mm
Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm
6-groove puller body with adjusting disc
Spindle, M14 x 1.5, 19 mm hex, with centring cone



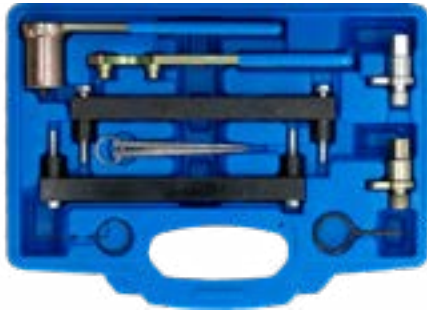
BT521150
EAN 4042146778869

Master cooling radiator pressure tester with vacuum purge and refill kit



199,- €

28
pcs.



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593250	Engine adjustment tool set for Land Rover; Jaguar V8	85,00 €

FOR THE FOLLOWING MODELS

Suitable for 3.2 3.5 4.0 4.2 4.4L engines in the following models: Jaguar XJ8 (1997, 2009), engine AJ26 AC, BC, LC, 1B, 5G, SB, Jaguar XJR (1997, 2009), engine AJ27 KB, CC, MA, 2B, 9G, TB, Jaguar S-Type (1999, 2008), engine AJ28 KC, CE, MB, 3B, HB, PC, Jaguar XF (2008, 2009), engine AJ34 3.5, DC, NB, 1G, HG, Jaguar XK8 (1997, 2009), engine RB, EC, NC, Jaguar XKR (1998, 2009), engine GB, PA, Range Rover (2006, 2009), 4.2L engine (428PS), Range Rover (2005, 2009), 4.2L engine (428PS), Land Rover Discovery III (2005, 2009)

DESCRIPTION

For adjusting and checking the engine timing
Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Flywheel locking bolt (silver), use as OEM 303-531
Flywheel locking bolt (gold), use as OEM 303-645
2 camshaft adjustments plate, use as OEM 303-530
Camshaft sprocket holding tool, use as OEM 303-532
2 wedges, use as OEM 303-533
Primary tensioner locking pin, use as OEM T40011
Adjustment tool for VVT unit, use as OEM 303-654
Tensioner locking pin



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591880	Engine adjustment tool set for BMW, Land Rover V8	179,00 €

FOR THE FOLLOWING MODELS

BMW 530i (1994, 1995), 540i (1997, 2003), 740i (1993, 1995), 740iL (1993, 2001), 840Ci (1995, 1996), X5 (2000, 2003)
Range Rover with M60, M62 and M62TU V8 engines

DESCRIPTION

For adjusting and checking the engine timing
Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Discharge camshaft adjustment tool (cylinders 1-4), use as OEM BMW 112445, Rover LRT 12-223/2
Intake camshaft adjustment tool (cylinders 1-4), use as OEM BMW 112441, Rover LRT 12-223/1
Intake camshaft adjustment tool (cylinders 5-8), use as OEM BMW 112442, Rover LRT 12-223/3
Discharge camshaft adjustment tool (cylinders 5-8), use as OEM BMW 112446, LRT 12-223/4
Fixing tools for camshaft adjuster (A-D)
Crankshaft locking pin, use as OEM 112300
Timing chain tensioner, use as OEM 113390



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593160	Engine adjustment tool set for Jaguar, Land Rover; Ford, Citroën 2.0, 2.2, 2.4, 3.2 diesel	105,00 €

FOR THE FOLLOWING MODELS

Ford Mondeo (2000 - 2007), Transit (2000 - 2011)
Citroen Relay (2006 - 2011), Jumper III
Fiat Ducato (2006 - 2011)
Jaguar X-Type (2001 - 2010)
Land Rover Defender (2007 - 2011)
Peugeot Boxer III (2006 - 2011)
LDV Convoy (2002 - 2006)
with DURATORQ (PUMA) diesel engines

ENGINE CODES

2.0L engine code ABFA, D3FA, D5BA, D6BA, F3FA, F1FA, FMBA, HJBA, HJBB, HJBC, HJBE, N7BA, N7BB
2.2L (with chain-driven high-pressure pump), engine code QJBA (BG), QJBB, QJBC, QJBD
2.2L (high-pressure pump driven via camshaft), engine code 4HM, 4HU, 4HV, P8FA, P22DTE, QVFA, QWFA
2.4L with engine code 244DT, DOFA, D2FA, D2FB, D4FA, F4FA, FXFA, H9FA, H9FB, HE FA, HFFA, JXFA, PHFA, ZSD 424
3.2L with engine code SAFA (timing only)

DESCRIPTION

For checking and adjusting the engine timing
Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Engine cover adjustment tool, use as OEM 303-682
Tool for engine cover/crankshaft radial sealing ring, use as OEM 303-679A
High-pressure pump wheel holding tool, use as OEM 303-1151
High-pressure pump wheel disassembly tool, use as OEM 303-249
Flywheel locking bolt, use as OEM 303-675
Flywheel locking bolt, use as OEM 303-698
Locking pin set, 3 pcs, 6 mm
Tensioner locking pin, 2 mm

PRODUCTION: INTERNATIONAL QUALITY: MADE IN GERMANY





FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593200	Engine adjustment tool for Jaguar	73,00 €

FOR THE FOLLOWING MODELS

Land Rover 200Tdi 300Tdi 2.5D (12J) 2.5TD

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

- Puller for crankshaft vibration damper
- Blocking tool of the injection pump
- Blocking tool of the injection pump 200/300 Tdi
- Flywheel blocking tool 200/300 Tdi
- DPS pump tapping tool 2.5
- Flywheel blocking tool 2.5
- EDC tapping tool 30Q gearbox
- Crankshaft puller



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593320	Engine adjustment tool set for Land Rover 3.6 TD V8	145,00 €

FOR THE FOLLOWING MODELS

Range Rover (L332) 3.6 TD V8 (2006-2011), engine code: 368DT

Rover Sport L320 3.6 TD V8 (2006-2011), engine code: 369DT

DESCRIPTION

For adjusting the engine timing when replacing the timing chain or the cylinder head seal

DELIVERY SCOPE

- Camshaft adjustment tool (2x) with fastening screws, use as OEM 303-1236
- Flywheel locking tool, use as OEM 303-1243
- Crankshaft adjustment pin, use as OEM 303-1238
- Camshaft turning pin, use as OEM 303-1239



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593190	Engine adjustment tool set for Jaguar, Land Rover 5.0 V8	189,00 €

FOR THE FOLLOWING MODELS

Suitable for the following models with a 5L V8 engine: X150-XK (10MY), X250-XF (10MY), X351-XJ (10MY)

DESCRIPTION

For adjusting and checking the engine timing
Needed when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

- Camshaft adjustment tool, use as OEM 303-1445
- Crankshaft locking bolt, use as OEM 303-1447
- Flywheel locking tool, use as OEM 303-1448
- Crankshaft turning tool, use as OEM 303-1452
- Timing chain tensioning tool, use as OEM 303-1482





FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592860	Engine adjustment tool set for Ford TDCi, PSA HdI, Mazda D 1.4, 1.6	5,00 €

FOR THE FOLLOWING MODELS

Citroen 1.4Hdi DV4TD (8HT/8HW/8HX/8HZ), 1.4Hdi DV4TED4 (8HV/8HY), 1.6Hdi DV6TED4 (9HY/9HZ), 1.6Hdi DV6ATED4 (9HW/9HX), 1.6Hdi DV6UT-ED4(9HU)
 Mazda 1.4CITD F6JA, F6JB 1.6CITD Y6
 Peugeot 1.4Hdi DV4TD (8HT/8HW/8HX/8HZ), 1.4Hdi DV4TED4 (8HV/8HY), 1.6Hdi DV6TED4 (9HY/9HZ), 1.6Hdi DV6ATED4 (9HW/9HX), 1.6Hdi DV6UT-ED4(9HU)
 Ford 1.4TDCi F6JA, F6JB, F6JC, F6JD 1.6TDCi G8DA, G8DB, HHDA 1.6TDCi HHDB, HHJA, HHJB, HHJD
 Volvo 1.6D D4164T

DESCRIPTION

For adjusting the engine timing when replacing the camshaft, cylinder head seal etc.

DELIVERY SCOPE

Flywheel locking bolt, use as OEM PSA 0194-C, Ford 303-734 (21-262), Volvo 999-7169, Mazda 49 JE02 020
 Crankshaft and high-pressure pump wheel locking pin, 2 pcs, use as OEM PSA 0194-A, Ford 303-732 (21-260), Volvo 999-7233, Mazda 49 JE02 018
 Crankshaft and high-pressure pump wheel locking pin, 2 pcs, use as OEM PSA 0194-A, Ford 303-732 (21-260), Volvo 999-7233, Mazda 49 JE02 018



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593350	Engine adjustment tool for Land Rover, BMW, Opel 1.8, 2.5 with timing chain	127,00 €

FOR THE FOLLOWING MODELS

BMW, Land Rover, Opel, Rover

ENGINE CODES

17 4 T1 / 25 6 T1

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Crankshaft tapping tool, OEM: 11 2 300, KM 813, LRT12108, LRT12171
 Crankshaft alignment tool – diesel, OEM: 11 3 320, KM 811, LRT12112
 Locking pin (2) OEM: 11 3 340, LRT12172
 Crankshaft holding tool, OEM: KM 819, KM819
 Cam chain tensioner, OEM: 11 3 360, KM 822, LRT12115
 Puller for injection pump, OEM: KM 825, 13 5 120I, LRT12119
 Puller for injection pump shaft, OEM: KM 826, KM826



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593180	Engine adjustment tool set for Jaguar, Land Rover 2.7, 3.0 TD V6	67,00 €

FOR THE FOLLOWING MODELS

Citroen C5 III (2007 - 2009), C6 (2005 - 2009)
 Jaguar S-Type (2004 - 2008), XF (2008 - 2012), XJ (2010 - 2012), XJ6 (2005 - 2010)
 Range Rover Sport (2005 - 2009)
 Peugeot 407 (2004 - 2009), 407 Coupe (2006 - 2009), 607 (2004 - 2011) 2.7TD V6, TDVi (276DT) 2.7D HDi (DT17BTD4) (UHZ) 3.0D HDi (D20CTED4) (X8Z) 3.0D SD V6, TD V6 (306DT) (AJ-V6D)

DESCRIPTION

For checking and adjusting the engine timing
 Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Flywheel interlock (manual), use as OEM (Rover) 303-1116
 Flywheel interlock (automatic), use as OEM (Rover) 303-1117
 Camshaft sprocket adjustment pin, use as OEM (Rover) 303-1132
 Camshaft sprocket adjustment pin, 2 pcs, use as OEM (Rover) 303-1126, (PSA) 0195H
 Water pump locking pin, use as OEM (PSA) 0195-C
 Flywheel locking tool, use as OEM (PSA) 0195-K
 Toothed belt retaining clip, use as OEM (PSA) 0188-K

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FITS FOR: **Universal**

ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear
Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly
Continuous adjustment range of the gripping arms from 42 – 82 mm
Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm
6-groove puller body with adjusting disc
Spindle, M14 x 1.5, 19 mm hex, with centring cone



FITS FOR: **CITROËN**, **FIAT**, **PEUGEOT**, **IVECO**, **RENAULT**, **OPEL**, **MAZDA**, **VOLVO**

ART.NR	ITEM NAME	PRICE
BT594460	Engine adjustment tool set for PSA 2.5, 2.8 l diesel	12,00 €

FOR THE FOLLOWING MODELS

Citroen, Peugeot, Fiat, Iveco Traffic (1980-2000), Master (1980-2007), Mascot (1999-2007)
Fiat, PSA, Renault Daily (1991-2005), Turbo Daily (1994-2000), Relay, Jumper (2001-2002) Boxer (2000-2006), Arena (1997-2001), Movano (1998-2003)

DESCRIPTION

Use as OEM Fiat 1 870 667 000, 1 870 765 001, 1 860 617 000, Renault: MOT861, MOT1054, MOT863, Opel KM6031, Ford 21-260, 303-732, Peugeot 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Citroen 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Mazda 49 JE 02018, 0991246510, Volvo 999-7169

DELIVERY SCOPE

2 locking bolts
Flywheel locking bolt
Holding tool for toothed belt tensioner



FITS FOR: **Ford**

ART.NR	ITEM NAME	PRICE
BT593029	Crankshaft locking pin for Ford Zetec, Duratec engines	5,00 €

DESCRIPTION

Suitable for Ford Zetec SE and Duratec 1.25, 1.4, 1.6l engines, installed in the Fiesta, Fusion and Focus





ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt

Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm

Single camshaft locking tool with short and long locking screw



ART.NR	ITEM NAME	PRICE
BT593300	Crankshaft pulley tool set I for Jaguar, Land Rover	99,00 €

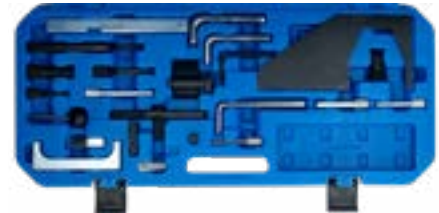
DESCRIPTION

Non-destructive removal and fitting of the crankshaft pulley

Needed when working on the camshaft drive

Crankshaft pulley counter support, use as OEM 303-893

2 fastening screws, use as OEM 303-588



ART.NR	ITEM NAME	PRICE
BT593100	Engine adjustment tool set for Ford	109,00 €

FOR THE FOLLOWING MODELS

Suitable for the following Ford engines: 1.4, 1.6 16V, 1.7, 1.8 16V, 2.0 16V (including Zetec), 1.4, 1.6, 1.8, 1.9 D/TD/TDCi

DESCRIPTION

Contains tools for: Locking the flywheel

Locking the crankshaft, pump shaft

Locking the injection pump shaft

Removing the crankshaft pulley

Tensioning the toothed belt

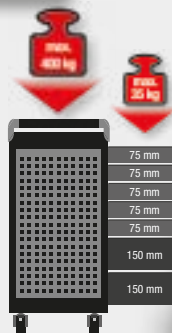
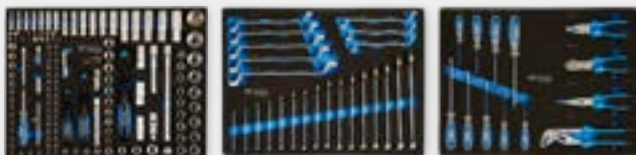
Adjustment gauge for positioning the camshaft and pump shaft in relation to the crankshaft

Use as OEM 21-162, 21-162B, 303-367, 303-376, 23-059, 310-085, 21-168, 303-393, 23-020, 23-047, 23-020, 21-163, 303-620, 23-019, 21-210, 303-507, 21-251, 303-698, 21-262, 303-734, 23-029, 303-1061, 23-058, 310-084, 21-105, 21-262, 303-734, 21-168, 303-393, 21-263, 303-735, Mazda 49JE01061, Audi 3359, T10008, T10050, 2065A, Seat 3359, T10008, T10050, 2065A, Skoda 3359, T10008, T10050, 2065A, Volkswagen 3359, T10008, T10050, 2065A

207
pcs.

BT153207
EAN 4042146831878

Tool cabinet with 7 drawers and 207 tools



449,- €

PROFESSIONAL WORKSHOP TROLLEY INCLUDING 207 PREMIUM TOOLS!

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FITS FOR:  Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT551121	Diesel pump locking pin for Mercedes-Benz	8,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz 200D, TD, 250D, TD, 300D, TD

ENGINE CODES

Engine codes: 601.912, 602.912, 602.962 603.913, 606.910, 603.963

DESCRIPTION

For locking Bosch in-line injection pumps in the assembly position

Use as OEM 601 589 05 21 00



FITS FOR:  Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT551122	Pre-chamber insert for Mercedes-Benz CDI	13,00 €

FOR THE FOLLOWING MODELS

Suitable for engines in the 601, 602, 602.91, 603, 604, 605, 606, 661, 662 series

DESCRIPTION

Notched tooth insert 1.5 x 58 mm, 12.5 mm (1/2") drive

Makes it possible to replace the diesel pre-chamber

Suitable for Mercedes-Benz engines start from 1989 onwards

Use as OEM 603589000900, 603589010900



FITS FOR:  Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593380	Engine adjustment tool set for Mercedes-Benz M271	139,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz CLK 200K (W209), C 180K, C200K.C 230K (W203), C Sportcoupe C 160K.C 180K, C 200K, C 230K, E 200K (W211).SLK 200K (R171), C 180K (W204), CLC 180K.CLC 200K, C 180 CGI, C 200CGI, C 250CGI (W204).E 200CGI, E 250CGI (W212, C207)

ENGINE CODES

Engine codes: M271 E18ML (2002-), DE18ML (2003, 2005), E16ML (2008-), DE18LA (2009-)

DESCRIPTION

Needed when replacing the timing chain

DELIVERY SCOPE

Timing chain retaining device, use as OEM 271589014000

Camshaft interlock, use as OEM 271589006100

Fixing pin, use as OEM 271589001500

Timing chain strain reliever, use as OEM 271589003100



FITS FOR:  Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT571016	V-ribbed belt tensioning element for Mercedes-Benz W169 and W245	29,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz A-Class W169 2004-2012 (A150, A160, A170, A180, A200, A200T), B-Class W245 2005-2011 (B150, B160, B170, B180, B200, B200T) with start/stop function and/or air conditioning

DESCRIPTION

For tensioning and slackening the damper spring

Prevents damage to the tensioning element and injuries

Pressure spindle with ball head, drive: internal hex 10 mm

Use as OEM 266589003100



FITS FOR:  Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593530	Timing chain riveting tool	149,00 €

DESCRIPTION

For replacing or riveting timing chains

Old timing chain is withdrawn using the new chain, often eliminating the need to take apart the timing chain case

Suitable for Mercedes-Benz models with Simplex and Duplex timing chains with 4 mm chain pins

Use as Mercedes-Benz OEM tools 112589096300, 602589003900, 602589023300, 602589024000, 602589056300, 602589056301



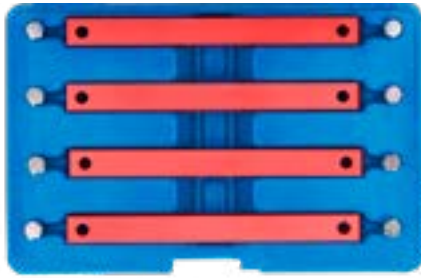
FITS FOR:  Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593545	Adapter for Art. BT593530	8,00 €

DESCRIPTION

Makes it possible to use the tool on Simplex timing chains

Suitable for the timing chain riveting tool Art. BT593530



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593600	Engine adjustment tool set for Mercedes-Benz M276, M157, M278	45,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz CL 500, 63 AMG (C 216) 2010 – 2013, S 500, 63 AMG (C 217) start from 2014 onwards, CLS 300 (C 218) start from 2012 onwards, E 300, 350, 400 (C/A 207) start from 2011 onwards, CLS 350, 400, 500, 63 AMG (C/X 218) 2011 – 2014, SLK 350 (R 172) start from 2011 onwards, SL 350, 400, 500, 63 AMG (R 231) start from 2012 onwards, S 500 PLUG-IN HYBRID (V 222) start from 2014 onwards, ML 300, 350, 500, 63 AMG (W 166) start from 2011 onwards, C 400 (W 205) start from 2014 onwards, E 400 HYBRID (W 212) start from 2012 onwards, G 63 AMG (W 463) start from 2012 onwards, E 300, 350, 400, 500, 63 AMG (W/S 212) start from 2011 onwards, C 350 (W/S/C 204) start from 2011 onwards, S 350, 500, 63 AMG (W/V 221) start from 2010 onwards, S 400, 63 AMG (W/V 222) start from 2013 onwards, R 350 BlueEFFICIENCY (W/V 251) start from 2012 onwards, GL 450, 500 (X 166) start from 2012 onwards, GLK 350 (X 204) start from 2011 onwards

DESCRIPTION

For adjusting the camshaft in setting position



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593570	Supplementary set for timing chain riveting tool (Art. BT593530), suitable for 3 mm chain bolts	38,00 €

DESCRIPTION

Suitable for 3 mm Mercedes-Benz Duplex timing chains in petrol and diesel engines of the newer generation

Use as OEM 103589016300, 602589024000 and 602589046300



FITS FOR: Mercedes-Benz CHRYSLER

ART.NR	ITEM NAME	PRICE
BT593560	Motor-Einstellwerkzeug-Satz, für Mercedes-Benz, Chrysler	71,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz 190, C, CLK, E, S, SL, SLK, G, M, Vito, Sprinter, Viano, PT Cruiser, Grand Cherokee

Petrol engines: 1.8, 2.0, 2.2, 2.3, 2.5, 2.8, 3.0, 3.2, 3.3, 4.2, 5.0, 6.0 with engine code 102, 111, 104 (apart start from AMG), 119, 120

Diesel engines: 2.0D, 2.2D, 2.3D, 2.5D, 2.5TD, 2.9D, 2.9TD, 3.0D, 3.0TD, 3.5D, 3.5TD, 2.0 CDI, 2.2 CDI, 2.3 CDI, 2.7 CDI, 3.2 CDI, 3.5 CDI, 3.9 CDI, 4.0 CDI, 2.2 CRD, 2.7 CRD • with engine code 601, 604, 605, 611, 646, 612, 602, 603, 606, 612, 613, 646, 647, 648, 628, 603, 613, 628, 648, 646, 602, 603, EDJ

DESCRIPTION

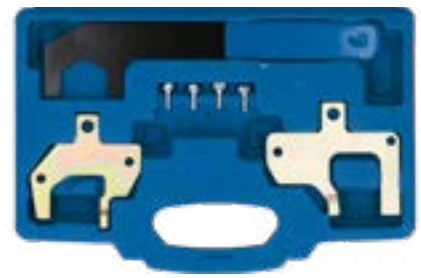
Contains tools for adjusting the camshaft and blocking the crankshaft (flywheel)

DELIVERY SCOPE

Flywheel blocking tool, including 2x M6 x 90mm, use as OEM 601589024000, 8933

Flywheel blocking tool, use as OEM 112589034000

Camshaft locking pin set, use as OEM 602589004000, 8929



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593660	Engine adjustment tool set for Mercedes-Benz M112 + M113	71,00 €

FOR THE FOLLOWING MODELS

- Mercedes-Benz C-Class 240, 280 (202) (1997-)
- Mercedes-Benz C-Class 240, 320 (203) (2000-)
- Mercedes-Benz CL 500 (215) (1999-2006)
- Mercedes-Benz CLK 320, 430 (208) (1997-2003)
- Mercedes-Benz CLK 240, 320, 500, 55AMG (209) (2002-2006)
- Mercedes-Benz CLS 500, 55AMG (219) (2004-2006)
- Mercedes-Benz E-Class 240, 280, 320, 430 (210) (1997-2002)
- Mercedes-Benz E-Class 240, 320, 500, E55AMG (211) (2003-2006)
- Mercedes-Benz M-Class ML320, 350, 430, 500, 55AMG (163) (1997-2005)
- Mercedes-Benz M-Class 500 (164) (2005-2007)
- Mercedes-Benz S-Class 280, 320, 350, 430, 500 (220) (1998-2005)
- Mercedes-Benz SL 280, 320, 500 (129) (1998-2002)
- Mercedes-Benz SL 350, 500, 55AMG (230) (2001-2008)
- Mercedes-Benz SLK 320K (170) (2000-2004)
- Mercedes-Benz SLK 55AMG (171) (2004-2010)
- Mercedes-Benz R-Class 500 (2006-2007)
- Mercedes-Benz Viano 3.0, 3.2, 3.5 (2003-2008)
- Mercedes-Benz Vito 123 (639) (2004-2008)
- Chrysler Crossfire (SRT-6) (2003-2007)

DESCRIPTION

Needed when working on the timing chain or adjusting the engine timing

Holds the left and right camshafts in the adjustment position

DELIVERY SCOPE

Camshaft interlock (right-hand side), use as OEM 112589003200

Camshaft interlock (left-hand side), use as OEM 112589013200

Camshaft spanner, use as OEM 112589000100



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593625	Balance shaft adjustment tool set for Mercedes-Benz OM651	72,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz A-Class (W176) 180.200, 220 CDI, B-Class (W246) 200, 220 CDI, C-Class (W, S, C) 204 180, 200, 220, 250 CDI, C-Class (W205) 220, 250, CLA (C117) 200, 220 CDI, CLS (C, X 218) 220, 250, E-Class (W, S 212) 200, 220, 250 CDI, E-Class (C, A 207) 220, 250 CDI, E-Class (W212) 250, 300 BlueTEC, GLA (X156) 200, 220 CDI, GLK (X 204) 200, 220, 250 CDI, ML (W166) 250, SLK (R172) 250 CDI, Sprinter (W906) 210, 310, 510, 213, 313 CDI, Sprinter (W906) 513, 216, 316, 416, 516 CDI, V-Class (W, V 447) 200, 220, 250 CDI, Viano (W, V 639) 2.0, 2.2CDI, Vito (W, V 639) 110, 113, 116 CDI

DESCRIPTION

For adjusting the balance shafts
For use with the engine adjustment tool set for Mercedes-Benz OM651 (Art. BT593620)

DELIVERY SCOPE

Balance shaft locking forks
Balance shaft locking rod
Fastening screws
Use as OEM 651 589 02 63 00



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593585	Timing chain assembly tool set for Mercedes-Benz engine 651	189,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz engine of the OM 651 series

DESCRIPTION

Prevents the timing chain start from slipping and the camshaft sprockets start from turning when replacing the timing chain
No need to remove the camshaft sprockets
Makes precise positioning possible

DELIVERY SCOPE

Timing chain guide tool, use as OEM 60831800
Camshaft interlock, use as OEM 60831830
Crankshaft lathe tool, use as OEM 60831810
Camshaft spanner, use as OEM 60831820



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT596001	Mercedes-TORX® 100 special socket	10,00 €

FOR THE FOLLOWING MODELS

C-Class (W203, W204, W205), CLK, E-Class (W211, W212), E-Class Coupé (W207), SLK (W171, W172), G-Class (W463), Sprinter (W906)

ENGINE CODES

- M133, 157, 176, 177, 270, 271, 271.8, 271.9, 272, 273, 274, 276, 278

DESCRIPTION

For works on the camshaft, control chain, or camshaft adjuster
With borehole
1/2"



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593620	Engine adjustment tool set for Mercedes-Benz OM651	125,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz A-Class (W176) 180.200, 220 CDI, B-Class (W246) 200, 220 CDI, C-Class (W, S, C) 204 180, 200, 220, 250 CDI, C-Class (W205) 220, 250, CLA (C117) 200, 220 CDI, CLS (C, X 218) 220, 250, E-Class (W, S 212) 200, 220, 250 CDI, E-Class (C, A 207) 220, 250 CDI, E-Class (W212) 250, 300 BlueTEC, GLA (X156) 200, 220 CDI, GLK (X 204) 200, 220, 250 CDI, ML (W166) 250, SLK (R172) 250 CDI, Sprinter (W906) 210, 310, 510, 213, 313 CDI, Sprinter (W906) 513, 216, 316, 416, 516 CDI, V-Class (W, V 447) 200, 220, 250 CDI, Viano (W, V 639) 2.0, 2.2CDI, Vito (W, V 639) 110, 113, 116 CDI

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Camshaft adjustment tool, use as OEM 65158 901 4000
Crankshaft turning tool, use as OEM 65158 900 4000



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593635	Engine mount ring spanner set for Mercedes-Benz	20,00 €

DESCRIPTION

Ring spanner, 10 mm square drive (3/8"), double-hex drive, SW 16 mm
Ring spanner, 10 mm square drive (3/8"), double-hex drive, SW 17 mm
Especially suited to engine bearings on Mercedes-Benz engines: W220, W210, W203, W221, W211, W204, W124, W140, W170, W126, W201, W202, W210





FITS FOR: Mercedes-Benz

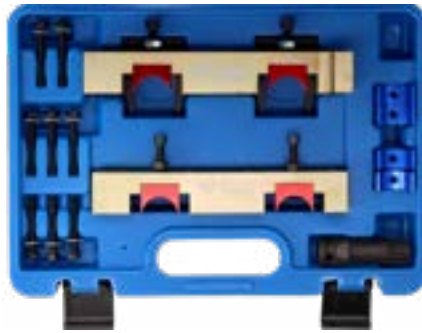
ART.NR	ITEM NAME	PRICE
BT593370	Timing chain assembly tool for Mercedes M111	41,00 €

FOR THE FOLLOWING MODELS

- Mercedes-Benz
- C-Class 180, 200, 220, 230
- E-Class 220, 230
- CLK 200, 230
- SLK 200, 230
- ML 230

DESCRIPTION

Makes it easier to fit the timing chain on MB M111 4-cylinder petrol engines
Use as OEM 111 589 19 61 00



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593500	Engine adjustment tool set for Mercedes-Benz M270, M274, M133	159,00 €

FOR THE FOLLOWING MODELS

Mercedes-Benz A-Class (series W176) start from 2012 onwards, model A180, A200, B-class (model W246) start from 2011 onwards, model B180, B200

DESCRIPTION

For adjusting and inspecting the engine control times
Makes it possible to hold down and fix the camshaft

DELIVERY SCOPE

Use as OEM 270589006100



FITS FOR: Mercedes-Benz

ART.NR	ITEM NAME	PRICE
BT593550	Engine adjustment tool for Mercedes	145,00 €

FOR THE FOLLOWING MODELS

C63, CLK63, ML63, R63, E63, S63, SL63 M159

ENGINE CODES

M156, M159

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

1x camshaft retainer, use as OEM 156 589 00 61 00
Camshaft sensor position adjuster, OEM 156 589 00 32 00
Adjustment tool for camshaft sprocket, OEM 156 589 01 63 00



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MG



FITS FOR: **Universal**

ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION
For pulling the pulley and camshaft gear
Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly
Continuous adjustment range of the gripping arms start from 42 – 82 mm
Gripping arm depth is 27 mm

DELIVERY SCOPE
3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm
6-groove puller body with adjusting disc
Spindle, M14 x 1.5, 19 mm hex, with centring cone



FITS FOR: **MG** **LAND-ROVER**

ART.NR	ITEM NAME	PRICE
BT593360	Camshaft locking tool for Rover, MG	4,00 €

DESCRIPTION
Suitable for Rover and MG models



FITS FOR: **BMW** **LAND-ROVER**

ART.NR	ITEM NAME	PRICE
BT591651	Camshaft locking tool for BMW	17,00 €

DESCRIPTION
Suitable for BMW engines in the M57, M57TU, M57T2N47, M47TU, M47T2 series
Also suitable for structurally identical engines in the Range Rover 2.5 DT, Freelander 2.0 TD4, Omega B Y25DT

BT160100
EAN 4042146844403
1/2" pneumatic impact wrench

59,- €

1.450 Nm

1/2"
12,5 mm



Ø	MAX. Nm	MAX. Nm	EMPFÖHLEN Nm	U/min	m/s ²	dbA	dbA	l/min	bar	mm	PT
1/2	470, 610, 830	1450	530	8500	<17,25	100,9	89,9	169	max. 6,3	min. 10	1/4"



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594500	Engine adjustment tool set for Land Rover, MG	99,00 €

FOR THE FOLLOWING MODELS

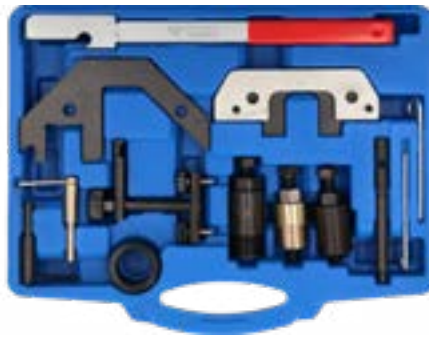
ROVER 45 (1999-2005), 75 (1999-2005), 825 (1996-1999) 2.0 V6 and 2.5 V6
 MG ZT (1999-2005), ZT-T (1999-2005), ZS (1999-2005) 2.0 V6 and 2.5 V6
 LAND ROVER Freelander (2000-2006) 2.0 V6 and 2.5 V6

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Camshaft lock, use as OEM LRT12-196 / 18G 1747
 Adapter for camshafts, use as OEM LRT12-187
 Adapter for camshafts, use as OEM 18G 1747-2
 Camshaft wheel lock, use as OEM LRT12-175
 Tie rod
 Tool for camshaft wheel, use as OEM LRT12-195
 Camshaft pin, use as OEM LRT12-198 / 18G 1746A
 Camshaft locking pin, use as OEM D189B
 Flywheel locking tool, use as OEM LRT12-232 / 18G 1747-5
 Crankshaft wheel lock, use as OEM LRT12-175 / 18G 1747-1



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591650	Engine adjustment tool set for BMW diesel engines	129,00 €

FOR THE FOLLOWING MODELS

BMW 1, 3, 5, 6, 7, X3, X 5 (series E34-36-38-39-66-83-90-91-92-93)
 Land Rover, Range Rover, Freelander
 Rover 75, MG, MG ZT
 Vauxhall, Opel Omega-B

ENGINE CODES

M41, M51, M47 M47 TU/T2, M57 TU/T2 2.0I/3.0I (1998-2008)
 204D3, Td4, Td 6
 M47R

DELIVERY SCOPE

Timing chain counter support, use as OEM BMW 113360, Range Rover LRT-12-115
 Camshaft alignment tool, use as OEM BMW 116321 (116320), Opel KM6267
 Securing bracket alignment tool, use as OEM BMW 116322 (116320)
 Injection pump extractor (long), use as OEM BMW 135120
 Injection pump extractor, use as OEM BMW 135120, Range Rover LRT-12-119
 Injection pump extractor (short), use as OEM BMW 135191, 135192 (135190), Opel KM6270
 Threaded ring, use as OEM BMW 135191, 135192 (135190), Opel KM6270
 Camshaft securing bridge, use as OEM BMW 113320, Rover LRT-12-112
 Crankshaft marking pin, use as OEM BMW 115180
 Crankshaft marking pin, use as OEM BMW 116080
 Tension roller marking pins, use as OEM BMW 113340, Range Rover LRT-12-114, Opel KM-823
 Crankshaft marking pin, use as OEM BMW 112300, Range Rover LRT-12-108



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles start from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroën, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt
 Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm
 Single camshaft locking tool with short and long locking screw

MINI



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593750	Engine adjustment tool set for MINI	145,00 €

FOR THE FOLLOWING MODELS

Suitable for the following models: MINI One, Cooper, Cooper S, Cooper S JC Cooper S JCW (series R50, 52, 53, 55, 56, 57)

ENGINE CODES

For engine codes W10, W11, N14

DESCRIPTION

For working on intake and exhaust camshafts

DELIVERY SCOPE

Fixing of camshafts, use as OEM 119551 and 119552

Fixing of crankshaft, use as OEM 119590

Tools for chain tensioner, use as OEM 119340



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593770	Crankshaft pulley tool set for MINI Cooper engines W11	68,00 €

DESCRIPTION

Makes it possible to safely install and remove the crankshaft pulley (vibration damper) on 1.6L MINI Cooper and MINI Cooper S engines (type W11)

Slots in the pull-off wheel make it possible to remove both types of W11 pulleys

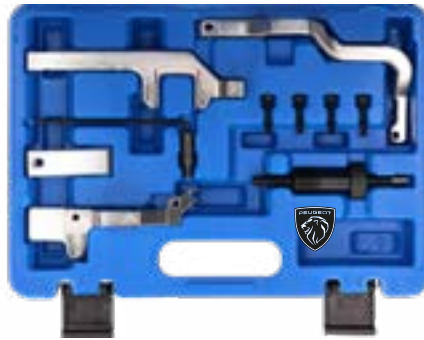
Contains a pressure pin that prevents damage to the crankshaft nose

Use as OEM 118450, 118441, 118270

DELIVERY SCOPE

Pull-off wheel, Assembly pressure piece, Pressure pin, Pull-off spindle, Assembly spindle

6 fastening screws



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593800	Engine adjustment tool set for MINI, PSA	119,00 €

FOR THE FOLLOWING MODELS

MINI One, Cooper HB, Cooper (R55-56) N12 engine

Citroen C4 (year of construction 2008, 2009), C4 Picasso (year of construction 2008, 2009)

Peugeot 207 (year of construction 2006, 2009), 207CC (year of construction 2007, 2009), 308 (year of construction 2001, 2009)

Engines: 1.4, 1.6 VTI, EP3 (8FS) EP6 (5FW), EP6C 1.6 THP, EP6DT (5FX) EP6DTS (5FY)

DESCRIPTION

Needed when replacing the cylinder head seal and when working on the engine timing

DELIVERY SCOPE

Crankshaft fixer, use as OEM 119590, 0197-BZ

Camshaft fixer, use as OEM 119540, 0197-A1, 0197-A3

Chain tensioner, use as OEM 119340, 0197-M



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear

Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly

Continuous adjustment range of the gripping arms start from 42 – 82 mm

Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm

6-groove puller body with adjusting disc

Spindle, M14 x 1.5, 19 mm hex, with centring cone



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593130	Engine adjustment tool set for Hyundai, Mitsubishi	21,00 €

FOR THE FOLLOWING MODELS

Hyundai 1.6, 1.8, 2.0, 2.4 DOHC and Mitsubishi 1.8 to 3.5 16V and V6

Mitsubishi Colt (1989, 1995), Lancer (1989, 1995), Carisma (1996, 2005), Galant (1993, 2003), Sigma (1991, 1996), Eclipse (1991, 1995), 300DTG (1993, 2000), Space Star (1999, 2006) with engines 1.8 16V GDI (4G63, 4G94), 2.0 16V GDI (4G63, 4G94, 6A12), 2.4 GDI (4G64, 4G69), 3.5 GDI V6 (6G74), 2.5 V6 (6G73, 6a13), 3.0 V6 (6G72)

Hyundai Lantra (1991, 1996), Sonata (1993, 2001), Trajet (2000, 2005), Santa Fe 6.1 with engine G4-N, G4-CP, 4JP, G4-P-, G4-R-, G4-JS

DESCRIPTION

Contains important tools for checking the engine control and replacing the toothed belt



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593750	Engine adjustment tool set for MINI	145,00 €

FOR THE FOLLOWING MODELS

Suitable for the following models: MINI One, Cooper, Cooper S, Cooper S JC Cooper S JCW (series R50, 52, 53, 55, 56, 57)

ENGINE CODES

For engine codes W10, W11, N14

DESCRIPTION

For working on intake and exhaust camshafts

DELIVERY SCOPE

Fixing of camshafts, use as OEM 119551 and 119552

Fixing of crankshaft, use as OEM 119590

Tools for chain tensioner, use as OEM 119340



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591580	Engine adjustment tool set for BMW, MINI, PSA	69,00 €

FOR THE FOLLOWING MODELS

BMW 1.6 (N40, N45, N45T, B16, B16A, B16AC) 1.8, 2.0 (N42, N46, N46T) 2.0, 3.0 (N51, N52, N52K, N53, N54)
 PSA 1.4, 1.6 16V (EP3, EP6, EP6DT, EP6DTS)
 MINI 1.4, 1.6 (N12, N14)

DESCRIPTION

For aligning new and old versions of balance shafts
 Prevents non-concentric engine running due to incorrectly aligned balance shafts
 Needed when changing the timing chain, replacing the crankshaft sealing ring, replacing the cylinder head seal etc.
 Use as OEM 115140, 119280, 119330

DELIVERY SCOPE

Balance shaft fixing tool (old and new version)
 Crankshaft counter support
 Locking pin for chain tensioner



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591870	Engine adjustment tool set for MINI, Citroën, Peugeot 1.6L diesel	15,00 €

FOR THE FOLLOWING MODELS

BMW MINI, MINI Clubman, series R55, R56, R57
 Citroën C2, C3, C4, C5, Grand Picasso, Berlingo (MK3), Xsara Picasso
 Peugeot 206, 206cc, 207, 207cc, 1007, 307, 308, 308cc, 3008, 5008, Partner (MK3)

ENGINE CODES

Engine codes: BMW: W16D16 (9HZ), W16D16UO, PSA: 9HZ, 9HX, 9HY (DV6TED4)

DESCRIPTION

For adjusting and checking the engine timing
 Suitable for the following models with a 1.6L diesel engine

DELIVERY SCOPE

Crankshaft marking pin, use as OEM PSA 0194A, BMW 119790
 Marking pins for camshaft and high-pressure pump, use as OEM PSA 0194B, BMW 110300
 Flywheel interlock, use as OEM PSA 0194C, BMW 119850, 119851, 119852



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

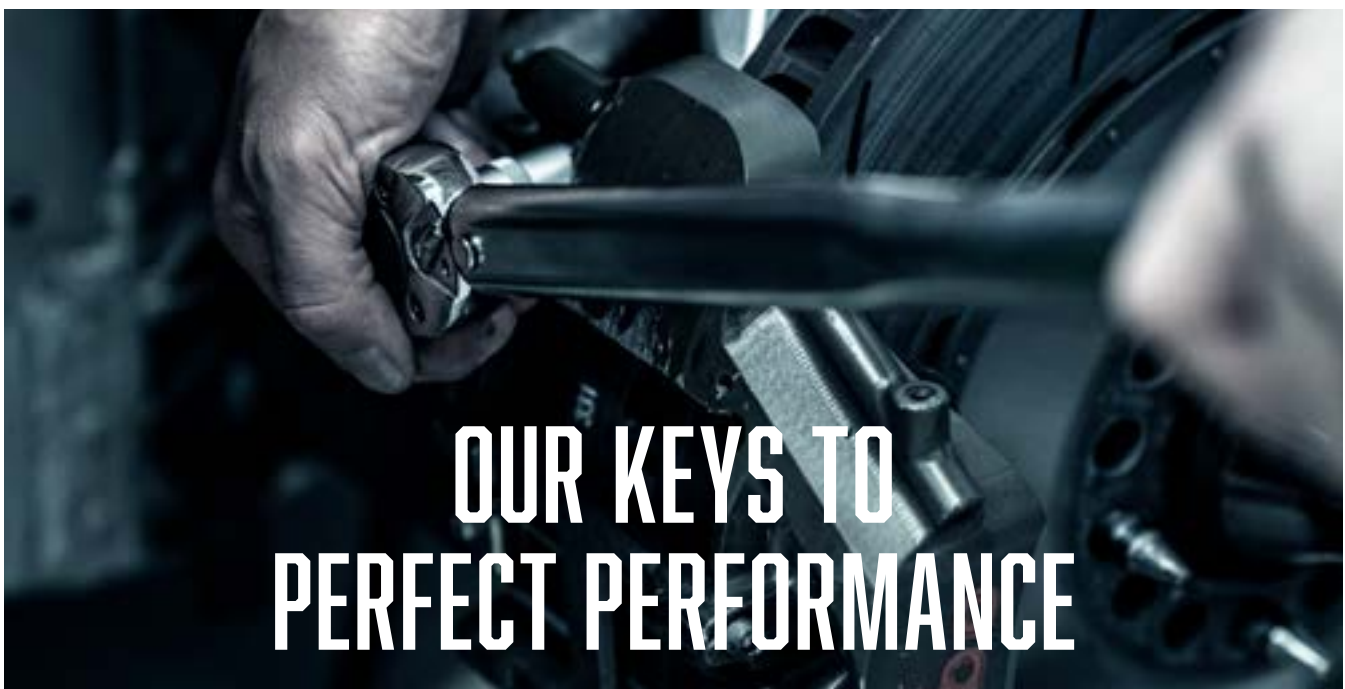
Can be used universally on vehicles start from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroën, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt
 Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm
 Single camshaft locking tool with short and long locking screw



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FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592320	Balance shaft adjustment tool set for Land Rover, Citroen, Mitsubishi, Peugeot, Ford 2.2 DOHC diesel engines	42,00 €

FOR THE FOLLOWING MODELS

Land Rover Discovery, Discovery Sport, Freelander 2, eD4, TD4, TD4e (2009-2015) engine codes: 224DT, DW12CTED4/224DT, DW12BTED4/224DT

Citroen C5, C5 II, C5 III, C6, C8, C-Crosser HDi (200-2015) engine codes: 4HX (DW12CTED4), 4HP (DW-12BTED4), 4HX (DW12TED4), 4HW (DW12TED4/L4)

Mitsubishi Outlander DI-D, DI-DC (2007-2013) engine codes: 4HK, 4HN

Peugeot 4007, 407, 607, 807, 406, 508, 607, HDi, GT Hdi (2000-2015) engine codes: DW12MTED4 (4HK), DW12MTED4 (4HN), DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HT), DW12TED4/L4 (4HW), DW12BTED4 (4HS), DW12ATED (4HZ), DW12ATED4 (4HX), DW12ATED (4HZ), DW12CTED4 (4HL)

Ford Galaxy, Mondeo, S-Max, TDCI, TCI (2008-2015) engine codes: KNBB, KNBA, KNWA, Q4BA

DESCRIPTION

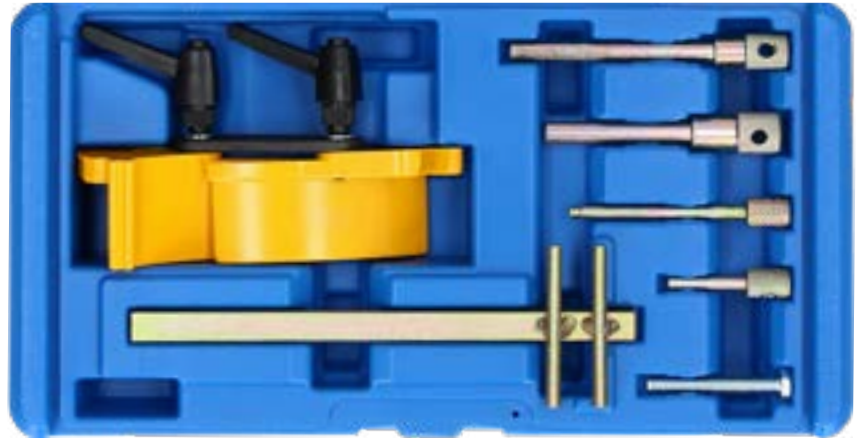
For adjusting the balance shaft

DELIVERY SCOPE

Balance shaft fixing tool, use as OEM 303-1329

Balancing tool, use as OEM 303-1330

Balance shaft adjustment tool, use as OEM 303-1328, 0190D



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594570	Engine adjustment tool set for Renault, Opel, Volvo, Mitsubishi, Chrysler	41,00 €

FOR THE FOLLOWING MODELS

Renault: Clio (1990-2013), Espace, Grand Espace (1996-2002), Extra, Rapid, Express (1991-2002), Kangoo (1998-2009), Laguna (1994-2001), Megane (1995-2003), Scenic (1996-2003), Modus, Grand Modus II (2004-2013), Safrane (1992-2001), Trafic (1997-2000), Master II (2000-2003), Twingo (2000-2013), Wind (2011-2013)

Opel: Arena (1997-2001), Movano-A (1999-2006), Vivaro (2001-2007)

Volvo: S40 (1996-2004), V40 (1996-2004)

Mitsubishi: Carisma (2001-2005), Space Star (2000-2006)

Chrysler: Cherokee (1984-1995), Wrangler (1988-1995)

ENGINE CODES

E7F 1.2: 700, 704, 706, 708, 750

D4F 1.2 16v: 702, 704, 706, 708, 712, 714, 716, 722, 728, 730, 740, 742, 764, 772, 780, 782, 784, 786

E7J 1.4: 601, 624, 626, 634, 635, 710, 711, 716, 718, 719, 754, 756, 757, 764, 780

F3P 1.8: 674, 676, 678, 710, 712, 714, 720, 724, 755, 758, B670, Q7, R7, S724

F7P 1.8 16v: 720, 722

F8Q 1.9D/Di/Turbo: 600, 606, 620, 622, 624, 630, 632, 644, 646, 648, 662, 672 /676, 678, 680, 682, 684, 692 /696, 714, 722, 724, 730, 732, 776, 784, 786, 788, 790, B640

F9Q 1.9D dTi: F9Q1, F9Q2, 710, 716, 717, 720, 722, 730, 731, 734, 736, 744, 760, 762, 770, 774, 780, 782, 790 D4192T, D4191T2 D4192T3, D4192T4

F3R 2.0: 611, 722, 723, 742, 750, 751, 752, 768, 769, 791, 796, 797, 798

J7R 2.0: 732, 733, 734, 735

F7R 2.0 16V: 700, 714, D710

J7T 2.2 16V: 760, 761

G8T 2.2D/Turbo: 706, 714, 716, 740, 752, 760, 790, 792, 794

DESCRIPTION

For adjusting the engine timing on Renault petrol and diesel engines

DELIVERY SCOPE

Camshaft locking tool, adjustable for DOHC engines

Injection pump wheel fixing mandrel, use as OEM Mot.910

Tension roller key, use as OEM Mot1135-01

Crankshaft fixing mandrel, use as OEM Mot.1318

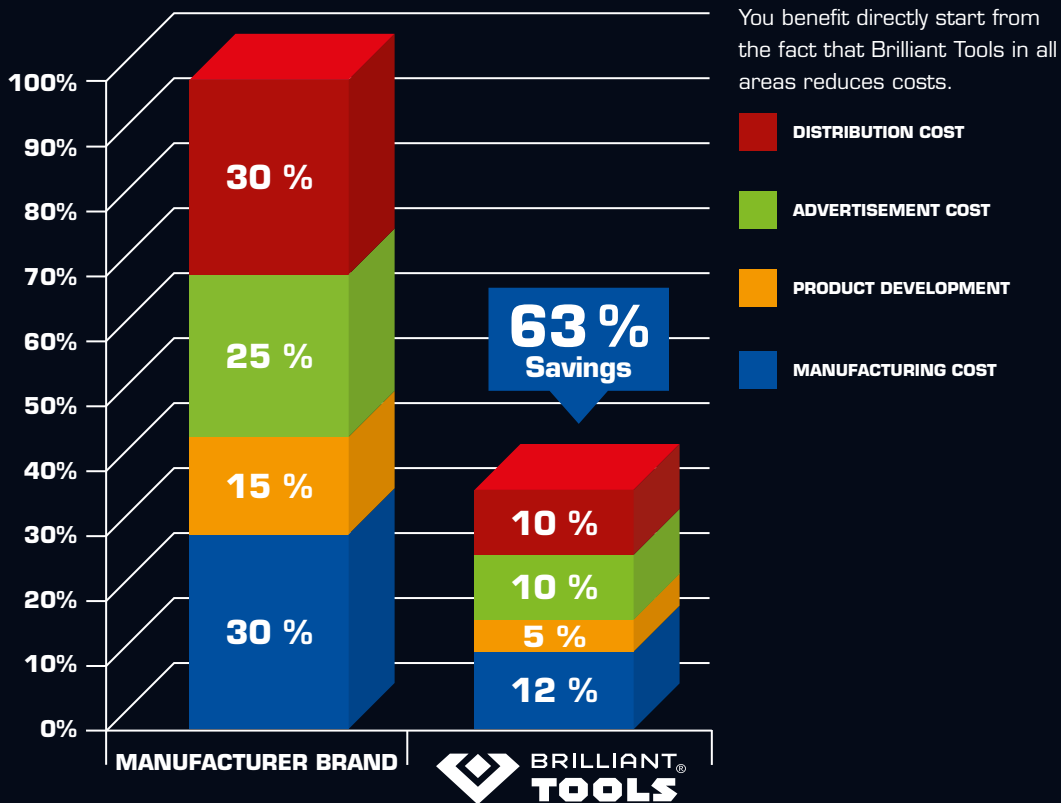
Crankshaft fixing mandrel, use as OEM Mot.1054

Crankshaft fixing mandrel, use as OEM Mot.910

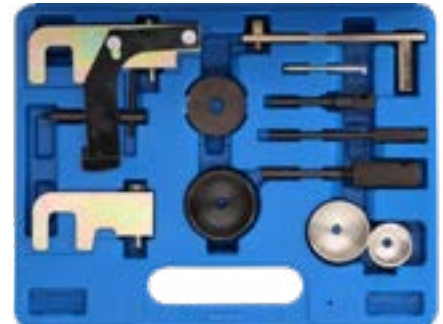
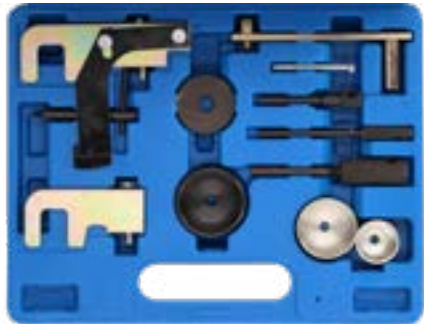


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NISSAN



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594550	Engine adjustment tool set for Renault, Opel, Nissan	59,00 €

FOR THE FOLLOWING MODELS

Renault Avantime (2005, 2007), Clio (2001, 2008), Espace (2000, 2008), Kangoo (2000, 2008), Laguna (1999, 2001), Laguna II (2004, 2007), Master (2000, 2006), Megane (1999, 2008), Modus (2004, 2008), Scenic (1999, 2008), Traffic (2001, 2008), Twingo (2007, 2008)

Nissan Almera N16 (2002, 2006), Interstar (2002, 2006), Kubistar (2003, 2008), Micra K12 (2003, 2008), Note (2006, 2008), Primastar (2002, 2007), Primera P12 (2003, 2007), Qashqai (2008, 2009)

Opel Movano (2000, 2008), Vivaro (2001, 2008)

ENGINE CODES

Engine codes: 1.5 (K9K), 1.9 (F9Q), 2.2 (G9T), 2.5 (G9U)

DESCRIPTION

For positioning and locking the crankshaft and camshaft when repairing the toothed belt or engine

DELIVERY SCOPE

Intake camshaft interlock OEM KM6205 (MOT1534)

Discharge camshaft interlock, use as OEM KM6204 (MOT1537)

Injection pump interlock, use as OEM MOT1538

Tensioning tool set (5 pcs), use as OEM MOT1543

Locking pin, use as OEM MOT1430

Crankshaft locking pin, use as OEM MOT1536

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593820	Engine adjustment tool set for Nissan, Renault, Opel	105,00 €

FOR THE FOLLOWING MODELS

Nissan Primaster (2008, 2009), Qashqai (2008, 2009), X-Trail (2007, 2008)

Renault Koleos (2008, 2009), Laguna (2005, 2008), Megane (2007, 2008), Scenic (2008, 2009), Trafic (2007, 2008), Vel Satis (2008, 2009)

Opel Vivaro (2007, 2008)

ENGINE CODES

Nissan engine codes: M9R 780, 830, 832, 833

Nissan engine codes: M9R 700, 721, 724, 740, 742, 446, 760, 761, 780, 802, 803, 805, 830, 832, 833

Opel engine codes: M9R 780, 782, 784

DESCRIPTION

For adjusting and checking the engine timing



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593830	Retaining device for toothed belt pulley of the high-pressure pump	29,00 €

DESCRIPTION

Suitable for diesel engines with the identifier F9Q

Installed in vehicles manufactured by Opel, Renault, Nissan

Toothed belt does not need to be removed

Precise fixing of the pump wheel thanks to an accurate fit

No need to readjust the pump

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594550	Engine adjustment tool set for Renault, Opel, Nissan	59,00 €

FOR THE FOLLOWING MODELS

Renault Avantime (2005, 2007), Clio (2001, 2008), Espace (2000, 2008), Kangoo (2000, 2008), Laguna (1999, 2001), Laguna II (2004, 2007), Master (2000, 2006), Megane (1999, 2008), Modus (2004, 2008), Scenic (1999, 2008), Traffic (2001, 2008), Twingo (2007, 2008)

Nissan Almera N16 (2002, 2006), Interstar (2002, 2006), Kubistar (2003, 2008), Micra K12 (2003, 2008), Note (2006, 2008), Primastar (2002, 2007), Primera P12 (2003, 2007), Qashqai (2008, 2009)

Opel Movano (2000, 2008), Vivaro (2001, 2008)

ENGINE CODES

Engine codes: 1.5 (K9K), 1.9 (F9Q), 2.2 (G9T), 2.5 (G9U)

DESCRIPTION

For positioning and locking the crankshaft and camshaft when repairing the toothed belt or engine

DELIVERY SCOPE

Intake camshaft interlock OEM KM6205 (MOT1534)

Discharge camshaft interlock, use as OEM KM6204 (MOT1537)

Injection pump interlock, use as OEM MOT1538

Tensioning tool set (5 pcs), use as OEM MOT1543

Locking pin, use as OEM MOT1430

Crankshaft locking pin, use as OEM MOT1536



ART.NR	ITEM NAME	PRICE
BT595700	Camshaft locking tool set for VAG, Ford, Opel, Saab	34,00 €

DESCRIPTION
Universal set for a wide range of models

DELIVERY SCOPE

- Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.8, 2.0, use as OEM KM-852, 18G1570
- Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.4, 1.6, use as OEM KM-853
- Right camshaft with Saab 900, 900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-2
- Left camshaft with Saab 900.900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-1
- Crankshaft toothed belt pulley interlock tool for TDI pump-injection engines with VW, Audi, Skoda, Seat and Ford, use as VAG T10050
- Flywheel interlock tools for Citroën, Fiat and Peugeot, use as OEM 153A, 6012T, 9765.54
- Flywheel holder unit for Isuzu 1.5 and 1.7 diesel, Opel 1.6, 1.7 diesel engines, Opel 1.2, 1.4, 1.6, 1.8, 2.0 OHC petrol engines, use as OEM KM-517-B

ART.NR	ITEM NAME	PRICE
BT597940	Engine adjustment tool set for Peugeot, Citroën, PSA	89,00 €

FOR THE FOLLOWING MODELS

- Citroën AX, Berlingo, BX, C5, C15, C25, Dispatch, Evasion, Jumper, Jumpy, Relay, Saxo, Synergie, Visa, Xsara, Xantia, XM, XJR, ZX, etc.
- Peugeot 106, 205, 306, 405, 406, 605, 806, J5, Boxer, Expert, Partner, Solara, Talbot Express, Talbot Horizon, etc.
- PSA petrol engines 1.9, 1.1, 1.4, 1.6, 1.8, 1.9, 2.0, 1.6, 1.8, 2.0, 2.2 16V (turbo and dual camshafts)
- PSA diesel engines 1.4, 1.5, 1.7, 1.8, 1.9, 2.1, 2.5 D, TD, TDI, 1.4, 1.6, 2.0, 2.2 HDI
- Suitable for structurally identical engines in Fiat, Ford, Nissan, Renault, Rover, Toyota, etc.

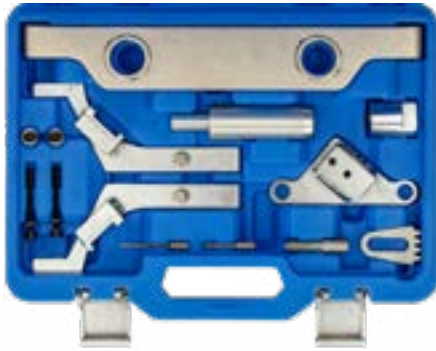
DESCRIPTION
For checking and adjusting the engine timing

DELIVERY SCOPE

- Flywheel adjustment pin with spring, use as OEM 0188X, 0189X
- Tensioning spanner, 8 mm, use as OEM 7017-TW
- Flywheel fixing mandrel, 7 mm, use as OEM 7017-TR
- Angled adjustment pin, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N
- Clamping tool, use as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0132X
- Camshaft marking mandrel, use as OEM 0189A, 1 871 008 100
- Hdi tension roller lever, use as OEM 0188J2
- Tension roller lever, use as OEM 5711-TE, 0178E, 0188J/J1
- Flywheel disc extractor, use as OEM 0174.0188P, 018892, 7015-T
- Toothed belt retaining clamp, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100
- Flywheel retainer, use as OEM 0195K, 4507-TL
- Clamping tool, use as OEM 0189S1
- Flywheel retainer, use as OEM 1867030000, 0153A, 9765.54, 6012T, 1860161000

- Tension lever, use as OEM 0189S2
- Angled locking pin, 5 mm
- Flywheel fixing mandrel (for automatic transmission), use as OEM 0189R
- Camshaft marking mandrel, use as OEM 0189AZ
- Crankshaft retainer, use as OEM 0288D, 0188Y, 7014
- Flywheel fixing mandrel (manual transmission), use as OEM 0189C
- Flywheel interlock, use as OEM 0188F, 0134Q, 1870765001.1870827000, 0134AF, 9044-T, 1871000400
- Camshaft marking mandrel (CA1), use as OEM 4533-TAC1, 0132AJ1
- Camshaft and crankshaft retainer, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01061, 21-263
- Camshaft marking mandrel (CA2), use as OEM 0132AJ2, 2000023000, 0188M, 4533-TAC2
- Marking mandrel for injection pump, use as OEM 4527-TS1
- Injection pump fixing mandrel, use as OEM 0188H, 1 860 965 000
- Flywheel fixing mandrel, use as OEM 49JE02020, 0194C, 21-262, 999-7121, 999-7169, 303-734
- 2 camshaft and crankshaft marking mandrels, use as OEM 4507-TB.7014-TN, 0132-R, 0153-AB, 0158-G
- 2 camshaft and crankshaft interlocks, use as OEM KM-955, 7014-TM
- 2 camshaft marking mandrels, use as OEM 9041-TZ, 5711-TC
- 2 crankshaft fixing mandrels, use as OEM 5711-TD, 119790, 0194A, 1860617000, 303-732, 07744-00104-00, 49JE02018, 0178D, 9997169, 4527-TS2, 21-260, 999-7169, 0132AB
- Camshaft fixing mandrel, use as OEM 0189L
- Screw M8 x 80 mm
- Pin for clamping device, 3 mm, use as OEM 0153AL, 4200TA
- Centring clip for crankshaft pulley, use as OEM 0188AH
- Crankshaft marking mandrel, 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ

OPEL



ART.NR	ITEM NAME	PRICE
BT593870	Engine adjustment tool set for Opel, Saab, Chevrolet 2.0, 2.4	209,00 €

FOR THE FOLLOWING MODELS

Opel Astra, Insignia, Antara
Chevrolet Captiva, HHR, Malibu
Saab 9-5
With engines: OPC, OPC/VXR, Turbo, E85, Turbo T-B

ENGINE CODES

2.0L > LHU, A20NFT, LTG, A20NHT, LDK, A20NHT
2.4L > A24XE, A24XF, LE5, LE9

DESCRIPTION

For adjusting the engine timing when replacing the timing chain etc.
Suitable for 2.0 L and 2.4 L petrol turbo engines with dual camshafts

DELIVERY SCOPE

Crankshaft wheel alignment tool, use as OEM EN-48585
Flywheel locking tool, use as OEM EN-43653, J43653
Tensioning element locking pin, 2.5 mm, use as OEM EN-955-10, KM 955
Tensioning element locking pin, 4.0 mm, use as OEM EN-955-20, KM 955-20
Tensioning tappet resetting tool, use as EN-45027-1, J-45027-1
Tensioning tappet holder, use as OEM J45027-2, EN45027-2, EN-45027
Camshaft interlock (left-hand side), use as OEM EN-49212, EN-49212-1
Camshaft interlock (right-hand side), use as OEM EN-49212, EN-49212-2
Camshaft adjuster holding tool, use as OEM EN-48953



ART.NR	ITEM NAME	PRICE
BT593910	Engine adjustment tool set for Opel 2.0 CDTi, EcoFLEX	96,00 €

FOR THE FOLLOWING MODELS

Opel Cascada (2015, 2017), Insignia, Country Tourer (2014, 2017), Zafira C Tourer (2014, 2017) with 2.0 CDTi

ENGINE CODES

Engine code: LFS/B20DTH

DESCRIPTION

For adjusting the engine timing e.g. when replacing the toothed belt

DELIVERY SCOPE

Fixing tool for high-pressure pump wheel, use as OEM EN-51413
Fixing pin for tensioner of additional equipment drive belt, use as OEM EN-955-2
Crankshaft adjustment tool, 3 pcs, use as OEM EN-51412
Camshaft fixing mandrel, use as OEM EN-51414
Holding tool for crankshaft pulley (automatic transmission), use as OEM EN-51411



ART.NR	ITEM NAME	PRICE
BT526009	Water pump wheel holding tool for Opel Ecotec engines	29,00 €

DESCRIPTION

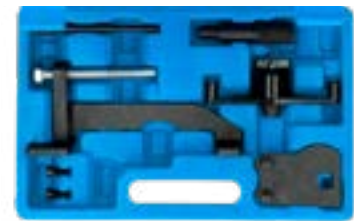
Suitable for Opel engines 2.2 L 16V, Z22SE
Holds the timing chain and gear in place when the water pump is removed, eliminating the need to adjust the engine timing
Saves time, reduces the work involved and prevents engine damage
The crescent shape makes it easier to access the pump sprocket screws
Tool is held in position with the cover screws



ART.NR	ITEM NAME	PRICE
BT593830	Retaining device for toothed belt pulley of the high-pressure pump	29,00 €

DESCRIPTION

Suitable for diesel engines with the identifier F9G
Installed in vehicles manufactured by Opel, Renault, Nissan
Toothed belt does not need to be removed
Precise fixing of the pump wheel thanks to an accurate fit
No need to readjust the pump



ART.NR	ITEM NAME	PRICE
BT594250	Engine adjustment tool set for Opel, GM 2.0, 2.2 Ecotec diesel	40,00 €

FOR THE FOLLOWING MODELS

Opel Vectra 2.0 Turbo diesel, Sintra 2.2 Turbo diesel, Zafira 2.0 Turbo diesel, Frontera 2.2 Turbo diesel
Saab 9-3 2.2 Turbo diesel

ENGINE CODES

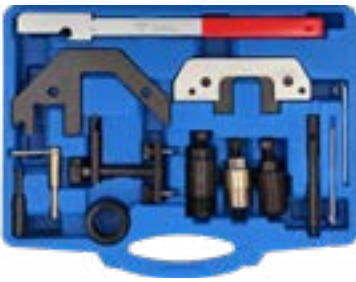
Engine codes: X20DTL, X20DTH, X22DTH, Y22DTR

DESCRIPTION

Makes it possible to adjust the engine timing

DELIVERY SCOPE

Adjustment spanner with holder, use as OEM Opel KM933, Saab 8395394
Injection pump adjustment pin, use as OEM Opel KM927, Saab 8395337
Crankshaft adjustment pin, use as OEM Opel KM929, Saab 8395352
Camshaft adjustment tool, use as OEM Opel KM932, Saab 8395386



FITS FOR:

FITS FOR:

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591650	Engine adjustment tool set for BMW diesel engines	129,00 €

ART.NR	ITEM NAME	PRICE
BT594450	Engine adjustment tool set for Fiat, Opel, Alfa 1.9, 2.4 16V Diesel	40,00 €

ART.NR	ITEM NAME	PRICE
BT592540	Engine adjustment tool set for Fiat, Ford, Opel, Suzuki 1.3 diesel	45,00 €

FOR THE FOLLOWING MODELS
BMW 1, 3, 5, 6, 7, X3, X 5 (series E34-36-38-39-66-83-90-91-92-93)
Land Rover, Range Rover, Freelander
Rover 75, MG, MG ZT
Vauxhall, Opel Omega-B

FOR THE FOLLOWING MODELS
Opel 1.9 CDTi Z19DT, Z19DTH, Z19DTJ
Alfa-Romeo 1.9 and 2.4 L diesel with engine code: 323.02, 371.01, 342.02, 325.01, 362.02, 182B9.000, 937A2.000, 937A3.000, 192A5.000, 192B1.000, 937A4.000, 937A5.000, 939A2.000, 939A1.000, 939A7.000, 939A8.000, 839A6.000, 841C.000
Fiat 1.9 and 2.4 L diesel with engine code: 182B4.000, 182B9.000, 185A6.000, 186A6.000, 186A8.000, 186A9.000, 188A2.000, 188A7.000, 188B2.000, 192A1.000, 192A3.000, 192A5.000, 192A8.000, 192A9.000, 192B4.000, 192B5.000, 198A2.000, 198A3.000, 198A6.000, 199A5.000, 223A7.000, 937A5.000, 939A1.000, 939A2.000, 939A3.000, 939A7.000

FOR THE FOLLOWING MODELS
Fiat Punto 1.3 JTD Multi-Jet 188A9.000, 2003 – 2007, Panda 1.3 JTD Multi-Jet 169A1.000, 188A8.000, 2003 – 2009, Idea 1.3 JTD Multi-Jet 199A3.000, 188A9.000, 2004 – 2006, Doblo 1.3 JTD Multi-Jet 188A9.000, 2004 – 2006, Doblo Cargo 1.3 JTD 188A9.000, 2004 - 2006
Opel/Vauxhall Agila 1.3 CDTi Z13DT, 2003 – 2008, Corsa-C 1.3 CDTi Z13DT, 2003 – 2007, Combo-C 1.3 CDTi Z13DT, 2003 – 2009, Corsa-D 1.3 CDTi Z13DTH, Z13DTJ, 2006 – 2009, Astra-H 1.3 CDTi Z13DTH, 2004 – 2009, Tigra-B 1.3 CDTi Z13DT, 2004 – 2009, Meriva 1.3 CDTi Z13DT, Z13DTJ, 2004 - 2009
Suzuki: Ingis 1.3 CDTi Z13DT, 2003 – 2009, Wagon R 1.3 CDTi Z13DT, 2003 – 2009, Swift 1.3 CDTi Z13DT, 2003 - 2010
Ford Ka 1.3 TDCi

ENGINE CODES
M41, M51, M47 M47 TU/T2, M57 TU/T2 2.0/3.0 (1998-2008)
204D3, Td4, Td 6
M47R

DESCRIPTION
For adjusting the engine timing e.g. when replacing the toothed belt, repairing the cylinder head, etc.

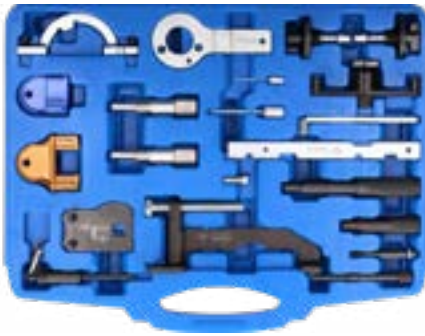
DESCRIPTION
For checking and adjusting the engine timing

DELIVERY SCOPE
Timing chain counter support, use as OEM BMW 113360, Range Rover LRT-12-115
Camshaft alignment tool, use as OEM BMW 116321 (116320), Opel KM6267
Securing bracket alignment tool, use as OEM BMW 116322 (116320)
Injection pump extractor (long), use as OEM BMW 135120
Injection pump extractor, use as OEM BMW 135120, Range Rover LRT-12-119
Injection pump extractor (short), use as OEM BMW 135191, 135192 (135190), Opel KM6270
Threaded ring, use as OEM BMW 135191, 135192 (135190), Opel KM6270
Camshaft securing bridge, use as OEM BMW 113320, Rover LRT-12-112
Crankshaft marking pin, use as OEM BMW 115180
Crankshaft marking pin, use as OEM BMW 116080
Tension roller marking pins, use as OEM BMW 113340, Range Rover LRT-12-114, Opel KM-823
Crankshaft marking pin, use as OEM BMW 112300, Range Rover LRT-12-108

DELIVERY SCOPE
Crankshaft interlock, use as OEM Opel EN-46788, Fiat 1.860.905.000, 1.860.905.010
Flywheel interlock, use as OEM Fiat 1.860.898.000
Camshaft interlock, use as OEM Opel EN-46789, Fiat 1.870.896.900
Marking mandrel Ø 3.7mm x 70mm, use as OEM Opel KM 6130, KM 6349

DELIVERY SCOPE
Counter-support spanner for crankshaft pulley, use as Fiat OEM 1871000200 - Ford OEM 303-1469 - Opel/Vauxhall OEM KM-662-C
Crankshaft adjustment tool, use as Opel/Vauxhall OEM EN 46785, OEM KM 955 - Suzuki 09912-38300
Camshaft adjustment tool, use as Fiat OEM 1871000900, 1860985000 - Ford OEM 303-1472 - Opel/Vauxhall OEM EN 46781 - Suzuki OEM 09917-68610
Chain tension lever, use as Fiat OEM 1870900400
Crankshaft interlock tool, use as Fiat OEM 1870900300 - Ford OEM 303-1468
Crankshaft adjustment tool, Fiat 8 mm





FITS FOR: 

ART.NR	ITEM NAME	PRICE
BT594350	Engine adjustment tool for Opel	189,00 €

FOR THE FOLLOWING MODELS

Opel Agila, Astra, Corsa, Frontera, Meriva, Omega, Signum, Sintra, Speedster, Tigra, Vectra, Zafira

ENGINE CODES

X10XE, X12XE, Z10XE, Z12XE, Z10XEP, Z12XEP, Z14XEP, X14XE, X16XEL, X16SEJ, X18E1, X18XE1, Y16XE, Z14XE, Z16XE, Z18XE, 18XEL, X18XE, C20SEL, X20XE, Z20LET, X22XE, Y22XE, Z22XE, Z13DT, X20DTL, X20DTH, Y20DTL, Y20DTH, X22DTH, Y22DTH, Y22DTR, Z19DT, Z19DTH

DESCRIPTION

For adjusting and checking the engine timing



FITS FOR:   

ART.NR	ITEM NAME	PRICE
BT593820	Engine adjustment tool set for Nissan, Renault, Opel	105,00 €

FOR THE FOLLOWING MODELS

Nissan Primaster (2008, 2009), Qashqai (2008, 2009), X-Trail (2007, 2008)

Renault Koleos (2008, 2009), Laguna (2005, 2008), Megane (2007, 2008), Scenic (2008, 2009), Trafic (2007, 2008), Vel Satis (2008, 2009)

Opel Vivaro (2007, 2008)

ENGINE CODES

Nissan engine codes: M9R 780, 830, 832, 833

Nissan engine codes: M9R 700, 721, 724, 740, 742, 446, 760, 761, 780, 802, 803, 805, 830, 832, 833

Opel engine codes: M9R 780, 782, 784

DESCRIPTION

For adjusting and checking the engine timing



FITS FOR: 

ART.NR	ITEM NAME	PRICE
BT594240	Engine adjustment tool set for Opel Vectra, Signum, Zafira	69,00 €

FOR THE FOLLOWING MODELS

Opel Astra G (2000, 2006), Speedster (Vauxhall) VX220 (2000, 2006), Vectra B, C (2000, 2008), Signum (2003, 2008), Zafira A, B (2000, 2008)

ENGINE CODES

Engine codes: Z22SE, Z22YH

DESCRIPTION

For adjusting the timing on the 2.2 L 16V engine with timing chain

DELIVERY SCOPE

Camshaft interlock, use as OEM KM-6148

Marking pin for chain tensioner, use as OEM KM-6077, Saab 8396392

Crankshaft counter support, use as OEM Opel KM-J-38122-A, KM-956-1, Alfa 2192261000

Water pump interlock, use as OEM Opel EN-43651, KM-J-43651, Alfa 2000012000



FITS FOR:    

ART.NR	ITEM NAME	PRICE
BT591300	Engine adjustment tool set for Opel 1.6, 1.8	33,00 €

DESCRIPTION

Contains tools for locking the camshaft and crankshaft

Suitable for 1.6 and 1.8 L engines with toothed belt control, installed in models start from Opel, Vauxhall, Chevrolet, Fiat, Alfa Romeo (2003-2012), e.g. Astra G, H, Corsa D, Insignia, Meriva, Signum, Vectra C, Zafira B (2003-2011)

Suitable for Chevrolet Cruze, Orlando 1.4 1.6 1.8 and Fiat Croma, Alfa Romeo 159 with 939A4.000 engines

Use as OEM tools KM-6628-A, 2000012000, KM-6340, 2000012100, KM-6333, KM-6625, 2000012800, KM-6349, KM 6130, KM-911



FITS FOR: OPEL

ART.NR	ITEM NAME	PRICE
BT594260	Engine adjustment tool set for Opel 1.2, 1.4	117,00 €

FOR THE FOLLOWING MODELS

Opel Adam 1.2 LWD 1.4 L2Z 1.4 LDD (2012), Ampera 1.4 LUJ/A14XFL (2011), Astra-J 1.4 LDD/A14XER 1.4 LDD/A14XEL 1.4 LUJ/A14NET 1.4 LUJ/A14NEL 1.4 LUJ/A14NET (2009), Corsa-D 1.0 A10XEP 1.2 A12XEL 1.2 A12XER 1.4 A14XEL, 1.4 A14XER -1.2 A12XER 1.4 A14NEL (2009), Insignia 1.4 LUJ/A14NET (2011), Meriva-B 1.4 LDD/A14XER 1.4 LUJ/A14NET 1.4 LUH/A14NEL (2010), Mokka 1.4 LUJ/A14NET (2012), Zafira-C Tourer 1.4 LUJ/A14NEL 1.4 LUJ/A14NET (2011), Aveo 1.2 L2Q/A12XEL 1.2 LDC/A12XER 1.2 LWD/A12XEL 1.4 LDD/A14XEL 1.4 LDD/A14XER (2011)

DESCRIPTION

For adjusting the engine timing

DELIVERY SCOPE

- Adjustment tool for camshaft sensor disc, use as OEM EN-49977-100
- Adjustment tool for intake camshaft, use as OEM EN-49977-200
- Camshaft sensor positioning tool, use as OEM EN-49978
- Chain tensioner pin, 4 mm, use as OEM KM-955-1
- Belt tensioner pin, 2.5 mm, use as OEM KM-955-2
- 2 camshaft interlocks, use as OEM KM-952, 953-A



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594650	Engine adjustment tool set for Renault	159,00 €

FOR THE FOLLOWING MODELS

Renault petrol engines 1.4, 1.6, 1.8, 2.0 l, each with 16V technology
Renault petrol engines 2.5 l, 20V with dual camshafts
Renault petrol engines 1.2, 1.4, 1.6, 1.7, 1.8, 2.0, 2.2 l
Renault diesel engines 1.9, 2.5, 2.8 l
Also for Opel Arena, Movano and Volvo V40, S40

DESCRIPTION

- Locking the flywheel
- Locking the crankshaft, injection pump shaft
- Removing the crankshaft pulley
- Tensioning the toothed belt
- Adjustment gauge for positioning the camshaft and pump shaft in relation to the crankshaft
- Use as OEM tools MOT1348, MOT1312, MOT1135-01, MOT1384, MOT1337, MOT1496, MOT910-1, MOT910, MOT861, MOT863, MOT1054, MOT1318, MOT1489, MOT1340, MOT1386, MOT1490, MOT1490-1, KM6031



FITS FOR: OPEL

ART.NR	ITEM NAME	PRICE
BT593850	Engine adjustment tool set for Opel 1.0, 1.2, 1.4	29,00 €

FOR THE FOLLOWING MODELS

Opel 1.0, 1.2, 1.4 (1997, 2007), Agila (Z10XE, Z12XE, Z10XEP, Z12XEP), Corsa B (X10XE, X12XE), Astra G, H (X12XE, Z14XEL, Z14XEP), Corsa Combo C (X10XEP, X12XEP, Z14XEP), Meriva (Z14XEP), Tigra B (Z14XEP), Agila, Corsa 1.0 12V, 1.2 16V

DESCRIPTION

For replacing the timing chain and other work on the valve train, work on the intake and exhaust camshaft

DELIVERY SCOPE

- Camshaft rule
- Crankshaft arresting pin
- Adjustment gauge for pulse generator disc
- Locking mandrel for timing chain tensioner
- Use as OEM KM953, KM952, KM954, KM955



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594654	Camshaft locking tool for Renault 1.4 and 1.6 16v	21,00 €

FOR THE FOLLOWING MODELS

Renault Clio II, Megane, Scenic, Laguna with 1.4 and 1.6 1V engines start from 1998 onwards

ENGINE CODES

Engine codes: KAJ 712, 713, 730, KAM 700, 701, 720, 724, 740

DESCRIPTION

For aligning the camshaft sprockets



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FITS FOR: **OPEL**

ART.NR	ITEM NAME	PRICE
BT595702	Camshaft locking tool for Opel Astra, Corsa, Vectra	4,00 €

FOR THE FOLLOWING MODELS

Opel Tigra, Corsa, Astra, Vectra, Signum with 1.4L, 1.6L, 1.8L engines

ENGINE CODES

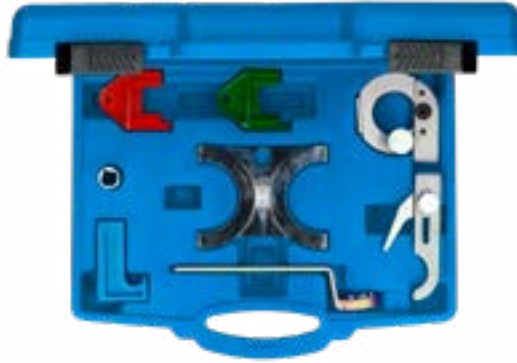
Engine codes: Z14XE, X16XE, X16XEL, Z16XE, Z18XE

DESCRIPTION

For arresting the cam shafts

DELIVERY SCOPE

Use as OEM KM-852



FITS FOR: **OPEL**

ART.NR	ITEM NAME	PRICE
BT594200	Engine adjustment tool set for Opel Ecotec V6	92,00 €

FOR THE FOLLOWING MODELS

Opel Calibra 2.5 V6 (1993, 1998), Cavalier 2.5, 2.6 V6 (1993, 1995), Omega B 2.5/2.6 V6 (1994, 2003), Omega B 3.0/3.2 V6 (1994, 2003), Signum 3.2 V6 (2003, 2005), Sintra 3.0 V6 (1996, 1999), Vectra A, B, C 2.5, 2.6, 3.2 V6 (1993, 2005)

DESCRIPTION

Engine adjustment tool set for V6 engines with multi-valve technology in Opel Ecotec

All the tools needed for locking the crankshaft and camshaft

DELIVERY SCOPE

- Crankshaft interlock, use as OEM KM-800-10
- Camshaft adjustment gauge, use as OEM KM-800-20
- Attachment, use as OEM KM 800-30
- Right camshaft interlock, use as OEM KM-800-1
- Left camshaft interlock, use as OEM KM-800-2
- Socket spanner insert E profile, square socket drive 12.5 mm (1/2"), SW E20, for deflection pulley
- Ring spanner, angled, SW 30 mm



FITS FOR: **OPEL**

ART.NR	ITEM NAME	PRICE
BT594300	Engine adjustment tool set for Opel, Chevrolet 2.0 CDI	32,00 €

DESCRIPTION

For replacing the toothed belt and checking the timing

Holds the camshaft and crankshaft in the correct position

Suitable for 2.0 L common rail diesel engines with engine code Z20DM, Z20DMH, LLWZ20DMH, RA420, Z20SI, Z20S3, Z20S4, Z20S5

DELIVERY SCOPE

- Camshaft interlock, use as OEM EN-48245
- Crankshaft interlock, use as OEM EN-48246



FITS FOR: **IVECO**

ART.NR	ITEM NAME	PRICE
BT594460	Engine adjustment tool set for PSA 2.5, 2.8 l diesel	12,00 €

FOR THE FOLLOWING MODELS

Citroen, Peugeot, Fiat, Iveco Traffic (1980-2000), Master (1980-2007), Mascot (1999-2007)

Fiat, PSA, Renault Daily (1991-2005), Turbo Daily (1994-2000), Relay, Jumper (2001-2002) Boxer (2000-2006), Arena (1997-2001), Movano (1998-2003)

DESCRIPTION

Use as OEM Fiat 1 870 667 000, 1 870 765 001, 1 860 617 000, Renault MOT861, MOT1054, MOT863, Opel KM6031, Ford 21-260, 303-732, Peugeot 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Citroen 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Mazda 49 JE 02018, 0991246510, Volvo 999-7169

DELIVERY SCOPE

- 2 locking bolts
- Flywheel locking bolt
- Holding tool for toothed belt tensioner





ART.NR	ITEM NAME	PRICE
BT551400	Adjustment and locking tool for diesel pumps for Renault, Mitsubishi, Opel	23,00 €

FOR THE FOLLOWING MODELS

Renault Megane Scenic, Kangoo
Mitsubishi Carisma
Opel Arena
Volvo S40, V40

DESCRIPTION

For FBQ and F9Q diesel engines with adjustable pump wheel

DELIVERY SCOPE

Special insert with 27 mm internal hex and 1/2" drive
Adjustment tool with 3x 4 mm pins for adjusting the pump
M10 to M8 adapter for Bosch pumps



ART.NR	ITEM NAME	PRICE
BT593930	Camshaft adjustment tool set for Opel, Vauxhall 2.0 CDTi	83,00 €

FOR THE FOLLOWING MODELS

Opel Cascada 2.0 CDTi (2015-2017), Insignia 2.0 CDTi (2014-2017), Insignia 2.0 CDTi (2014-2017), Zafira-C Tourer 2.0 CDTi (2014-2017)

ENGINE CODES

Engine code: LFS/B20DTH

DESCRIPTION

For removing, replacing the timing chain in the cylinder head
Suitable for 2.0 CDTi, EcoFLEX engines (start from 2014 onwards)

DELIVERY SCOPE

Camshaft adjustment tool, use as OEM EN-51415
Chain tensioner locking pin, use as OEM EN-51418



ART.NR	ITEM NAME	PRICE
BT593940	Engine adjustment tool set for Opel, Vauxhall 1.6 CDTi ecoFLEX	60,00 €

FOR THE FOLLOWING MODELS

Opel Astra J, Astra K, Mervia B, Mokka, Zafira C Tourer

ENGINE CODES

Engine codes: LVL, B16DTN, LVM, B16DTC, LWG, B16DTE, LVL, B16, LVL, B16DTJ

DESCRIPTION

For adjusting and checking the engine timing when changing the cylinder head seal, replacing the timing chain etc.

DELIVERY SCOPE

Belt tensioner locking pin, use as OEM EN-6349, EN-6130
Camshaft adjustment pin, use as OEM EN-51143
Crankshaft alignment tool (including screws), use as OEM EN-51140
Tensioning element locking pin, use as OEM EN-50513
Camshaft sprocket holding tool (including screws), use as OEM EN-51188



ART.NR	ITEM NAME	PRICE
BT595701	Camshaft locking tool for Opel Astra, Vectra, Omega, Frontera, Sintra	4,00 €

FOR THE FOLLOWING MODELS

Opel Astra-G 2.0 16v, Vectra 1.8, 2.0 16V (start from 1995 onwards), Omega 2.0, 2.0 16V, 2.2, Frontera 2.2, Sintra 2.2 16V

ENGINE CODES

Engine code: C22SEL, X20SE, X20XEV, X22SE, X22XE, Y22SE, Z20LEH, Z20LEL, Z20LER, Z20LET



ART.NR	ITEM NAME	PRICE
BT593920	Engine adjustment tool set for Opel, Vauxhall 1.6 SIDI	129,00 €

FOR THE FOLLOWING MODELS

Opel Cascada, Astra J, Zafira C, Insignia (2013-2016) with SIDI, SIDI Turbo, SIDI Turbo EcoFLEX engines

ENGINE CODES

Engine codes: LVP/A16XHT, LWC/A16SHT, LVP/B16XHT, LWC/B16SHT, LWC/A16SHL

DESCRIPTION

For checking and adjusting the engine timing when replacing the timing chain

DELIVERY SCOPE

Camshaft alignment tool, use as OEM EN-51148
Crankshaft pulley holding tool, use as OEM EN-51147
Balance shaft holding tool, use as OEM EN-51153
Chain tensioner locking pins, use as OEM EN-50513



ART.NR	ITEM NAME	PRICE
BT595703	Camshaft locking tool for Opel 1.6, 1.8	7,00 €

DESCRIPTION

Contains important tools for inspecting and adjusting the engine timing

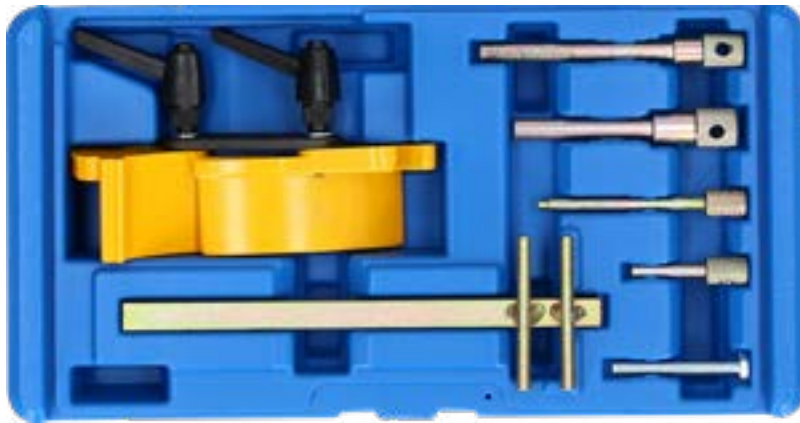
Suitable for Opel Astra G/H, Corsa D, Insignia, Meriva, Signum, Tigra, Vectra C, Zafira B (2003-2012) with engine codes A16LET, A16XER, Z16LEL, Z16LER, Z16LET, Z16XE, Z16XE1, Z16XEP, Z16XER, Z18XER, A18XER

Also suitable for Alfa Romeo 159, Fiat Croma with engine code 939A4.000

DELIVERY SCOPE

Camshaft interlock, use as OEM KM-6340, EN-6340, 2000012100
Tensioning element interlock, use as OEM KM-6333, EN-6333





ART.NR	ITEM NAME	PRICE
BT594570	Engine adjustment tool set for Renault, Opel, Volvo, Mitsubishi, Chrysler	41,00 €

FOR THE FOLLOWING MODELS

Renault: Clio (1990-2013), Espace, Grand Espace (1996-2002), Extra, Rapid, Express (1991-2002), Kangoo (1998-2009), Laguna (1994-2001), Megane (1995-2003), Scenic (1996-2003), Modus, Grand Modus II (2004-2013), Safrane (1992-2001), Trafic (1997-2000), Master II (2000-2003), Twingo (2000-2013), Wind (2011-2013)

Opel: Arena (1997-2001), Movano-A (1999-2006), Vivaro (2001-2007)

Volvo: S40 (1996-2004), V40 (1996-2004)

Mitsubishi: Carisma (2001-2005), Space Star (2000-2006)

Chrysler: Cherokee (1984-1995), Wrangler (1988-1995)

ENGINE CODES

E7F 1.2: 700, 704, 706, 708, 750

D4F 1.2 16v: 702, 704, 706, 708, 712, 714, 716, 722, 728, 730, 740, 742, 764, 772, 780, 782, 784, 786

E7J 1.4: 601, 624, 626, 634, 635, 710, 711, 716, 718, 719, 754, 756, 757, 764, 780

F3P 1.8: 674, 676, 678, 710, 712, 714, 720, 724, 755, 758, B670, Q7, R7, S724

F7P 1.8 16v: 720, 722

F8Q 1.9D/Di/Turbo: 600, 606, 620, 622, 624, 630, 632, 644, 646, 648, 662, 672 /676, 678, 680, 682, 684, 692 /696, 714, 722, 724, 730, 732, 776, 784, 786, 788, 790, B640

F9Q 1.9D dTi: F9Q1, F9Q2, 710, 716, 717, 720, 722, 730, 731, 734, 736, 744, 760, 762, 770, 774, 780, 782, 790 D4192T, D4191T2 D4192T3, D4192T4

F3R 2.0: 611, 722, 723, 742, 750, 751, 752, 768, 769, 791, 796, 797, 798

J7R 2.0: 732, 733, 734, 735

F7R 2.0 16V: 700, 714, D710

J7T 2.2 16V: 760, 761

G8T 2.2D/Turbo: 706, 714, 716, 740, 752, 760, 790, 792, 794

DESCRIPTION

For adjusting the engine timing on Renault petrol and diesel engines

DELIVERY SCOPE

- Camshaft locking tool, adjustable for DOHC engines
- Injection pump wheel fixing mandrel, use as OEM Mot.910
- Tension roller key, use as OEM Mot1135-01
- Crankshaft fixing mandrel, use as OEM Mot.1318
- Crankshaft fixing mandrel, use as OEM Mot.1054
- Crankshaft fixing mandrel, use as OEM Mot.910



ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles start from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt

Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

- Double camshaft locking tool with short and long connecting arm
- Single camshaft locking tool with short and long locking screw





FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593970	Engine adjustment tool set for GM, Opel, Vauxhall, Saab 2.0 Turbo	51,00 €

FOR THE FOLLOWING MODELS

Opel Signum Turbo, Vectra-C Turbo (2002-2008), Saab 9-3 1.8 Turbo (2002-2011), Saab 9-3 1.8 Turbo BioPower (2002-2011), Saab 9-3 2.0 Turbo (2002-2012), Saab 9-3 2.0 Turbo BioPower (2010-2012), Saab 9-3XT (2009-2011)

ENGINE CODES

Engine codes: Z20NET, B207, B207L, B207, B207L, B207, B207L, B207, B207L, B207, B207L

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

- Crankshaft pulley holding tool, use as OEM KMJ38122-A, 8396210
- Intake camshaft alignment tool, use as OEM KM6362-1, EN-48366-001
- Discharge camshaft alignment tool, use as OEM KM6362-2, EN-48366-002
- Chain tensioner locking pin, use as OEM KM6077, 8396392



FITS FOR: **Universal**

ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear

Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly

Continuous adjustment range of the gripping arms start from 42 – 82 mm

Gripping arm depth is 27 mm

DELIVERY SCOPE

- 3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm
- 6-groove puller body with adjusting disc
- Spindle, M14 x 1.5, 19 mm hex, with centring cone



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593815	Engine adjustment tool set for Opel, Saab, Buick, Cadillac, Chevrolet 2.8, 3.6 V6	54,00 €

FOR THE FOLLOWING MODELS

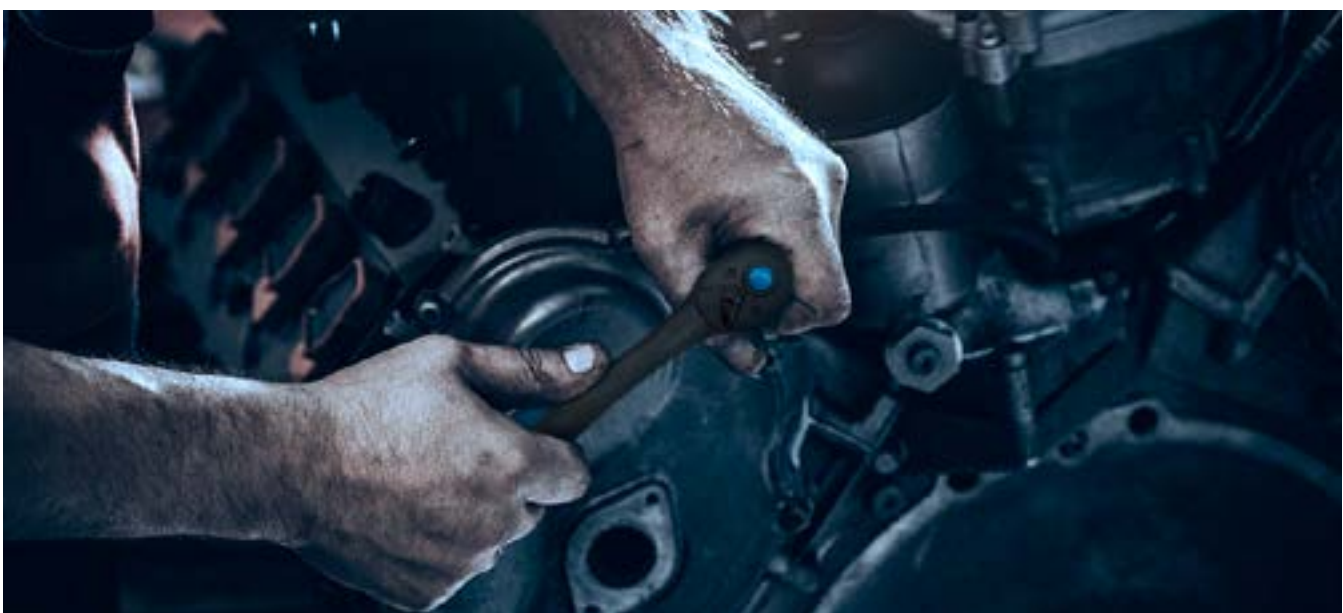
- Buick Enclave 3.6, engine code: LY7
- Cadillac SRX, STS, CTS 3.6, engine code: LY7, LLT
- Chevrolet Camaro 2.8, engine code: LTT, LFX
- Opel Insignia 2.8 V6 Turbo, engine code: LAU/A28NER
- Opel Antara 3.2 V6 (start from 2007 onwards), engine code: Z32SE
- Saab 9-5 2.8 (2009-2013), engine code: LAU/A28NER

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

- Camshaft adjustment tools, use as OEM EN-48383-1, EN-48383-2, EN-48383-3
- Flywheel locking tools, use as OEM EN-46106
- Crankshaft turning tool, use as OEM EN-46111



PEUGEOT



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592880	Engine adjustment tool set for Rover, Peugeot, Ford, Volvo 2.0, 2.2i D	12,00 €

FOR THE FOLLOWING MODELS

Peugeot 807 (2005, 2011), 407 (2005, 2011), 607 (2005, 2009), engine DW10UTED4 (RHK), DW10BTED4 (RHR)DW12BTED4 (4HS), (4HP), (4HT), (4HR)

Citroën C4 (2004, 2010), C5 II (2004, 2010), engine DW10BTED4 (RHR)

Land Rover Freelander (2006, 2010), engine DW12BTED4, 224DT

Volvo S40 (2003, 2010), V50 (2006, 2010), C70 (2006, 2010), S80 (2007, 2010), C30 (2006, 2010), V70 (2007, 2010), engine D420T 2.0D

Ford S-Max 2.2 (2008, 2010), Galaxy 2.2 (2008, 2010), Mondeo 2.2, 2.0 (2007, 2010)

ENGINE CODES

Engine codes: QXBA(2.2), QXWA(2.0), QXBB(2.0), Q4BA(2.2), QXWA(2.0), QXWB(2.0), AZBA(2.0), AZBC(2.0), AZWA(2.0)

DESCRIPTION

Makes it easier to check and adjust the engine timing

DELIVERY SCOPE

Camshaft interlock, use as OEM PSA 0188.M, Ford 303-735, 303-1277, Volvo 999-7122

Crankshaft interlock, use as OEM PSA 0188.X, Ford 303-1059, 303-1270, Volvo 999-7121

Flywheel interlock, use as PSA 0188.F, Ford 303-393A, 303-393-01, 303-1272, Volvo 999-7119/7120



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592320	Balance shaft adjustment tool set for Land Rover, Citroën, Mitsubishi, Peugeot, Ford 2.2 DOHC diesel engines	42,00 €

FOR THE FOLLOWING MODELS

Land Rover Discovery, Discovery Sport, Freelander 2, eD4, TD4, TD4e (2009-2015) engine codes: 224DT, DW12CTED4/224DT, DW12BTED4/224DT

Citroen C5, C5 II, C5 III, C6, C8, C-Crosser HDi (200-2015) engine codes: 4HX (DW12CTED4), 4HP (DW12BTED4), 4HX (DW12TED4), 4HW (DW12TED4/L4)

Mitsubishi Outlander DI-D, DI-DC (2007-2013) engine codes: 4HK, 4HN

Peugeot 4007, 407, 607, 807, 406, 508, 607, HDi, GT Hdi (2000-2015) engine codes: DW12MTED4 (4HK), DW12MTED4 (4HN), DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HT), DW12TED4/L4 (4HW), DW12BTED4 (4HS), DW12ATED (4HZ), DW12ATED4 (4HX), DW12ATED (4HZ), DW12CTED4 (4HL)

Ford Galaxy, Mondeo, S-Max, TDCI, TCI (2008-2015) engine codes: KNBB, KNBA, KNWA, Q4BA

DESCRIPTION

For adjusting the balance shaft

DELIVERY SCOPE

Balance shaft fixing tool, use as OEM 303-1329

Balancing tool, use as OEM 303-1330

Balance shaft adjustment tool, use as OEM 303-1328, 0190D



FITS FOR:

Universal

ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear

Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly

Continuous adjustment range of the gripping arms start from 42 – 82 mm

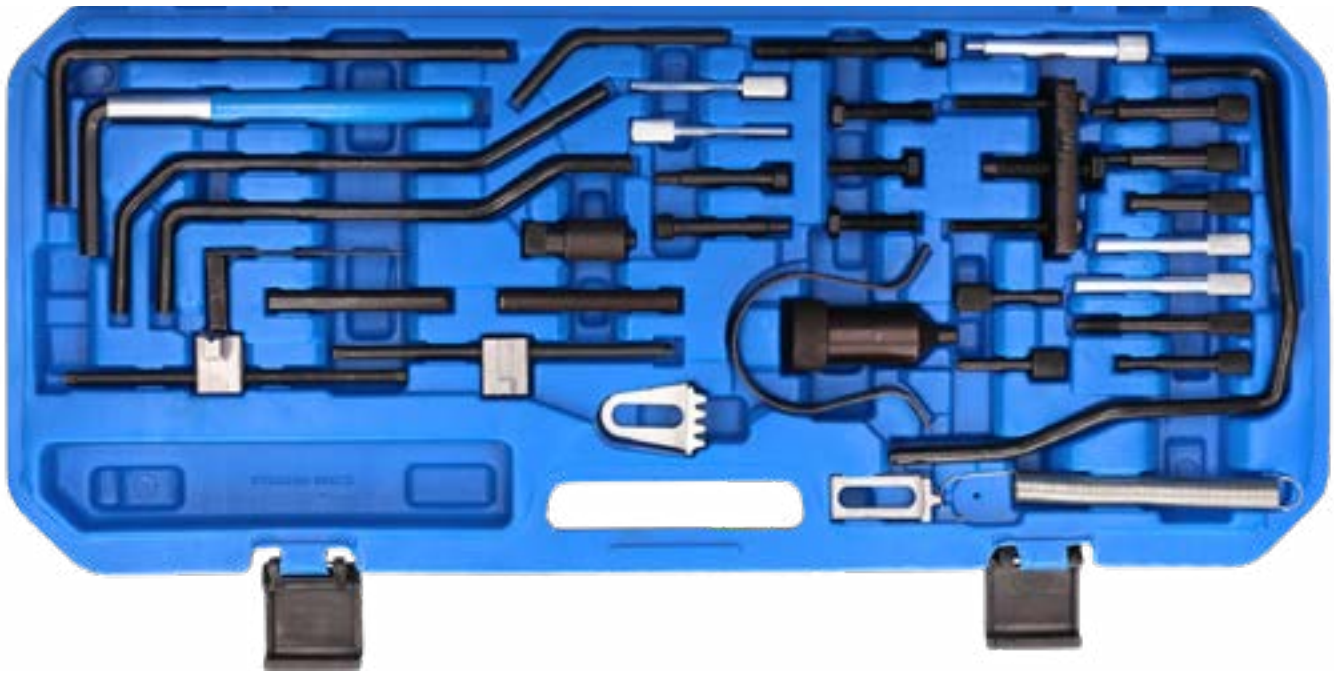
Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm

6-groove puller body with adjusting disc

Spindle, M14 x 1.5, 19 mm hex, with centring cone



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592250	Engine adjustment tool set for PSA	99,00 €

FOR THE FOLLOWING MODELS

Petrol 1.0, 1.1, 1.4, 1.5, 1.6, 1.6 16V, 1.8, 1.8 16V, 1.9, 2.0, 2.0 16V, 2.0 Turbo
 Diesel 1.4D, 1.4HDI, 1.5D, 1.7D, 1.7TD, 1.9D, 1.9TD, 2.0Hdi, 2.1TD, 2.1TD, 2.2D, 2.5TD, 2.2Hdi
 Suitable for structurally identical engines in Toyota and Fiat

ENGINE CODES

159A, 161A, 171B, 171C, 171D, 180A, 180Z, 3FZ (EW12J4), 4HX (DW12ATED), 4HZ (DW12ATED) 6FZ (EW7J4), A8A, A9A, AJZ, B1A /E /F, B2C, B4A, B6D, B6E, BAY, BDY, BFZ, C1A, CDY, CDZ, D2A /C /E /F, D6A /B /D /E, D8A /B /C, D9B, DDZ, DFZ, DHV /W /X /Y, DJ5 (T9A), DJ5T (T8A), DJY, DJZ, DKZ, EW10J4D, EW7J4, H1A, HDY, HDZ, K1A, K1F, K1G, K2A, K2B, K2D, K3A, K6B, KDX, KDY, KDZ, KFW, KFX, KFY, KFZ, L6A, LFW, LFX, LFY (XU7JP4), LFZ, M4A, NFU, NFX (TU5J4/L3), P8A, P8B, P8C, P9A, PHZ (XUD11), R2A, R6A, R6D, RDZ, RFR, RFN (EW10J4), RFS, RFT, RFU, RFV, RFW, RFX, RFY, RFZ, RGX, RGY, RHW (DW10ATED4), RHY (DW10ATD), RHZ (DW10ATED/L), RLZ(EW10J4D), T8A/THZ (DJ5T), T9A (DJ5), THX (DJ5TED), THY (DK5ATE), TU1/2/3/5/9, TU1/3/5 (HFY, HFZ, KFX, NFZ), TU5J4/L3 (NFX), TU5JP4 (NFU), WJY (DW8B), WJZ (DW8), XU10J2C/Z, XU10J2CTE/L3, XU10J2TE/Z, XU10J4R/S (RFV/R6E/RFS), XU10J4RS (RFS), XU10J4RS (RFS), XU10-R2A, R5A, R6A, RDZ, XU5-171B, 180A, B1E, XU5-B6D/E, B1A, B1E, B2A, B2B, BDY, BDZ, XU5JP (BFZ), XU-7JP4 (LFY), XU7-L6A, LFW, LFX, LFZ, XU9-D2H, D6A, D6B, D6D, DDZ, DKZ, DFZ, XU9-D2A/D, XU9J4, XUD 11 BTE (P8C), XUD11A, XUD11ATE, XUD7 (A9A), XUD7TE, XUD9 (DHY), XUD9A (D9B/DJY), XUD9AU (D8C), XUD9SD (DHW), XUD9TF (D8B), XUD9UTF (DHX), XUD9Y (DJZ)

DESCRIPTION
For adjusting the engine timing e.g. when replacing the toothed belt

DELIVERY SCOPE

- Clamping tool, use as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0188Q1, 0132X1Z, 0132X
- Camshaft adjustment pin 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ
- 2 crankshaft/camshaft adjustment pins, use as OEM 0153ZY, 4507-TB, 0153AB, 9041-TZ, 0132R, 9767.27
- 2 crankshaft/camshaft adjustment pins, use as OEM 0153ZY, 4507-TB, 0153AB, 9041-TZ, 0132R, 9767.27
- Flywheel locking pins, use as OEM 4507-TL, 0189C
- Adjustment tool, angled, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N
- Bolts M8 x 35 mm / M8 x 40 mm / M8 x 70 mm
- Flywheel adjustment pin, 7 mm, use as OEM 7017-TR
- Flywheel adjustment pin, 8 mm, use as OEM 1 860 863 000, OUT0000127, 0153N, 0288D, 7099-TM, 0188Y, 0188D
- Flywheel adjustment pin with spring, use as OEM 0188X, 0189X
- Camshaft adjustment pin, use as OEM 18G 1580, 11 9 790, 5711-TD, 21-260, 07744-1110400, 303-732, 4527-T.S2, 07744-00104-00, 1 860 617 000, 0132AB, 999 7169, 0178D
- Injection pump adjustment pin, use as OEM 0188H

- Crankshaft/camshaft adjustment pin, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01 061, 21-263
- Injection pump adjustment pin, use as OEM 4527-T.S1
- Camshaft adjustment pin (CA1), use as OEM 4533-TAC1, 0132AJ1
- Camshaft adjustment pin (CA2), use as OEM 0132AJ2, 2000 023 000, 0188M, 4533-TAC2
- 2 camshaft adjustment pins, use as OEM 9041-TZ, 5711-TC
- Camshaft adjustment pin, use as OEM 0189A, 1 871 008 100
- Camshaft adjustment pin, use as OEM 0189AZ
- Intake camshaft adjustment pin (VTC), use as OEM 0189L
- Tension lever, use as OEM 5711-TE, 0178E, 0188J/J1
- Flywheel locking tool, use as OEM 0188F, 0134Q, 1 870 765 001, 1 870 827 000, 0134AF, 9044-T, 1 871 000 400
- Hdi tension lever, use as OEM 0188J2
- Tensioning spanner, 8 mm, use as OEM 7017-TW
- Toothed belt retaining clip, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100
- Flywheel locking tool, use as OEM 1 867 030 000, 0153A, 9765.54, 6012T, 1 860 161 000
- Roller extractor, use as OEM 0174, 0188P, 018892, 7015-T



ART.NR	ITEM NAME	PRICE
BT597940	Engine adjustment tool set for Peugeot, Citroën, PSA	89,00 €

FOR THE FOLLOWING MODELS

Citroën AX, Berlingo, BX, C5, C15, C25, Dispatch, Evasion, Jumper, Jumpy, Relay, Saxo, Synergie, Visa, Xsara, Xantia, XM, XJR, ZX, etc.

Peugeot 106, 205, 306, 405, 406, 605, 806, J5, Boxer, Expert, Partner, Solara, Talbot Express, Talbot Horizon, etc.

PSA petrol engines 1.9, 1.1, 1.4, 1.6, 1.8, 1.9, 2.0, 1.6, 1.8, 2.0, 2.2 16V (turbo and dual camshafts)

PSA diesel engines 1.4, 1.5, 1.7, 1.8, 1.9, 2.1, 2.5 D, TD, TDI, 1.4, 1.6, 2.0, 2.2 HDI

Suitable for structurally identical engines in Fiat, Ford, Nissan, Renault, Rover, Toyota, etc.

DESCRIPTION

For checking and adjusting the engine timing

DELIVERY SCOPE

Flywheel adjustment pin with spring, use as OEM 0188X, 0189X

Tensioning spanner, 8 mm, use as OEM 7017-TW

Flywheel fixing mandrel, 7 mm, use as OEM 7017-TR

Angled adjustment pin, 8 mm, use as OEM 0188D, 70Q4TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N

Clamping tool, use as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0132X

Camshaft marking mandrel, use as OEM 0189A, 1 871 008 100

Hdi tension roller lever, use as OEM 0188J2

Tension roller lever, use as OEM 5711-TE, 0178E, 0188JJ1

Flywheel disc extractor, use as OEM 0174.0186P, 018892, 7015-T

Toothed belt retaining clamp, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100

Flywheel retainer, use as OEM 0195K, 4507-TL

Clamping tool, use as OEM 0189S1

Flywheel retainer, use as OEM 1867030000, 0153A, 9765.54, 6012T, 1860161000

Tension lever, use as OEM 0189S2

Angled locking pin, 5 mm

Flywheel fixing mandrel (for automatic transmission), use as OEM 0189R

Camshaft marking mandrel, use as OEM 0189AZ

Crankshaft retainer, use as OEM 0288D, 0188Y, 7014

Flywheel fixing mandrel (manual transmission), use as OEM 0189C

Flywheel interlock, use as OEM 0186F, 0134G, 1870765001.1870827000, 0134AF, 9044-T, 1871000400

Camshaft marking mandrel (CA1), use as OEM 4533-TAC1, 0132AJ1

Camshaft and crankshaft retainer, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01061, 21-263

Camshaft marking mandrel (CA2), use as OEM 0132AJ2, 2000023000, 0188M, 4533-TAC2

Marking mandrel for injection pump, use as OEM 4527-TS1

Injection pump fixing mandrel, use as OEM 0188H, 1 860 965 000

Flywheel fixing mandrel, use as OEM 49JE02020, 0194C, 21-262, 999-7121, 999-7169, 303-734

2 camshaft and crankshaft marking mandrels, use as OEM 4507-TB.7014-TN, 0132-R, 0153-AB, 0158-G

2 camshaft and crankshaft interlocks, use as OEM KM-955, 7014-TM

2 camshaft marking mandrels, use as OEM 9041-TZ, 5711-TC

2 crankshaft fixing mandrels, use as OEM 5711-TD, 119790, 0194A, 1860617000, 303-732, 07744-00104-00, 49JE02018, 0178D, 9997169, 4527-TS2, 21-260, 999-7169, 0132AB

Camshaft fixing mandrel, use as OEM 0189L

Screw M8 x 80 mm

Pin for clamping device, 3 mm, use as OEM 0153AL, 4200TA

Centring clip for crankshaft pulley, use as OEM 0188AH

Crankshaft marking mandrel, 6 mm, use as OEM 4507-TA, 0132Z, 0132GZ



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592300	Engine adjustment tool set for PSA 1.8, 2.0 16V petrol	45,00 €

FOR THE FOLLOWING MODELS

Citroen C5 1.8, 2.0 HPI (2002, 2005) Xsara 2.0 16V (2002, 2005) Xsara, Picasso 1.8, 2.0 16V (2002, 2005)

Peugeot 406 1.8 16V (2000, 2004), 807 2.0 16V (2002, 2005)

Engine codes 6FZ (EW7J4) FRN (EW10J4, L4, 5) RLZ (EW10D)

DESCRIPTION

Contains important tools for checking and adjusting the engine timing when replacing the toothed belt and carrying out repairs on the engine

DELIVERY SCOPE

- Tension roller locking tools, use as OEM 0189S2
- Tool for tensioner, use as OEM 0178E, 5711TE, 178/J2
- Tools for tensioner, use as OEM 0188J2
- Adjustment tools for tensioning unit, use as OEM 0189S1
- Locking pins, use as OEM 0132AB, 0194A, 0178D
- Locking pin, use as OEM 0194B
- Locking pin, use as OEM 0188M
- Locking pin, use as OEM 0189B
- Flywheel locking tools, use as OEM 0189R
- Interlock for tensioning unit, use as OEM 7017TR, 0153U
- Adjustment tools for crankshaft wheel, use as OEM 0188AH



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592520	Engine adjustment tool set for Fiat Ducato, Peugeot Boxer, Citroën Jumper 2.3 D JTD, 3.0 JTD, HDi	50,00 €

FOR THE FOLLOWING MODELS

- Citroen Relay/Jumper III
- Fiat Ducato
- Iveco Daily (03-10), Daily/EcoDaily (2009-2011)
- Peugeot Boxer III (2006-2012)
- 2.3D, 2.3 JTD F1AE0418A, F1AE0481B, F1AE0481C, F1AE0481D, F1AE0481F, F1AE0481FA, F1AE0481G, F1AE0481H, F1AE0481HA, F1AE0481N, F1AE-0481UA.F1AE0481VA
- 3.0JTD F1CE0481A, F1CE0481B, F1CE0481D, F1CE0481F, F1CE0481H, F1CE3481M
- 3.0HDi F30DTE, F1CE0481D, F1CE3481DM, F1CE3481N

DESCRIPTION

Use as OEM Fiat 99360187, 99360614, 99360615.1860617000, 1860815000, 20000180200, Citroën/Peugeot 0191-2A, 0191-2B, 0191-2J, 0191-2K

DELIVERY SCOPE

- 2 camshaft fixing mandrels
- 1 crankshaft fixing mandrel



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593800	Engine adjustment tool set for MINI, PSA	119,00 €

FOR THE FOLLOWING MODELS

- MINI One, Cooper HB, Cooper (R55-56) N12 engine
- Citroen C4 (year of construction 2008, 2009), C4 Picasso (year of construction 2008, 2009)
- Peugeot 207 (year of construction 2006, 2009), 207CC (year of construction 2007, 2009), 308 (year of construction 2001, 2009)
- Engines: 1.4, 1.6 VTi, EP3 (8FS) EP6 (5FW), EP6C 1.6 THP, EP6DT (5FX) EP6DTS (5FY)

DESCRIPTION

Needed when replacing the cylinder head seal and when working on the engine timing

DELIVERY SCOPE

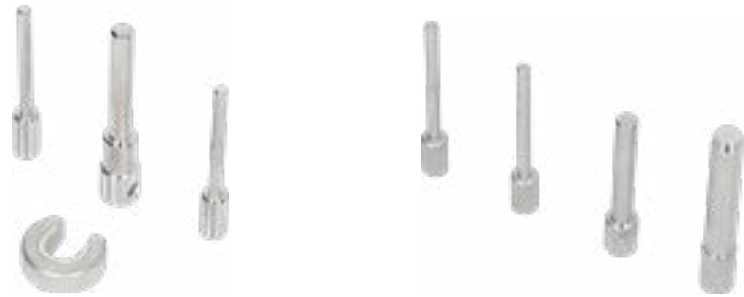
- Crankshaft fixer, use as OEM 119590, 0197-BZ
- Camshaft fixer, use as OEM 119540, 0197-A1, 0197-A3
- Chain tensioner, use as OEM 119340, 0197-M

OUR PACE: HIGH
OUR TECHNOLOGY: INNOVATIVE



ART.NR	ITEM NAME	PRICE
BT595700	Camshaft locking tool set for VAG, Ford, Opel, Saab	34,00 €

DESCRIPTION	
Universal set for a wide range of models	
DELIVERY SCOPE	
Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.8, 2.0, use as OEM KM-852, 18G1570	
Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.4, 1.6, use as OEM KM-853	
Right camshaft with Saab 900, 900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-2	
Left camshaft with Saab 900.900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-1	
Crankshaft toothed belt pulley interlock tool for TDI pump-injection engines with VW, Audi, Skoda, Seat and Ford, use as VAG T10050	
Flywheel interlock tools for Citroen, Fiat and Peugeot, use as OEM 153A, 6012T, 9765.54	
Flywheel holder unit for Isuzu 1.5 and 1.7 diesel, Opel 1.6, 1.7 diesel engines, Opel 1.2, 1.4, 1.6, 1.8, 2.0 OHC petrol engines, use as OEM KM-517-B	



ART.NR	ITEM NAME	PRICE
BT594460	Engine adjustment tool set for PSA 2.5, 2.8 l diesel	12,00 €

FOR THE FOLLOWING MODELS	
Citroen, Peugeot, Fiat, Iveco Traffic (1980-2000), Master (1980-2007), Mascot (1999-2007)	
Fiat, PSA, Renault Daily (1991-2005), Turbo Daily (1994-2000), Relay, Jumper (2001-2002) Boxer (2000-2006), Arena (1997-2001), Movano (1998-2003)	
DESCRIPTION	
Use as OEM Fiat 1 870 667 000, 1 870 765 001, 1 860 617 000, Renault MOT861, MOT1054, MOT863, Opel KM6031, Ford 21-260, 303-732, Peugeot 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Citroen 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Mazda 49 JE 02018, 0991246510, Volvo 999-7169	
DELIVERY SCOPE	
2 locking bolts	
Flywheel locking bolt	
Holding tool for toothed belt tensioner	

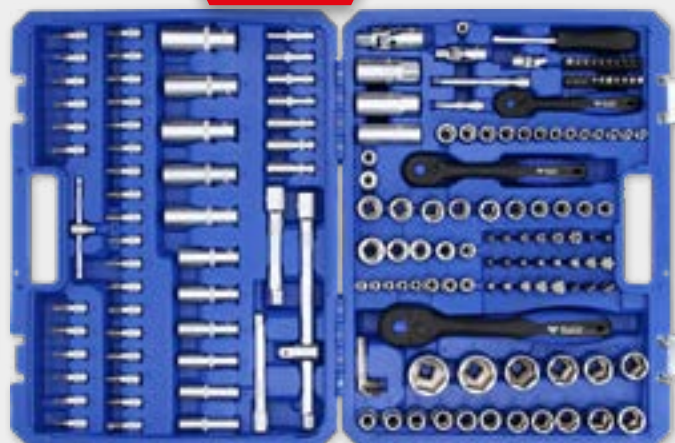


ART.NR	ITEM NAME	PRICE
BT592860	Engine adjustment tool set for Ford TDCi, PSA Hdi, Mazda D 1.4, 1.6	5,00 €

FOR THE FOLLOWING MODELS	
Citroen 1.4Hdi DV4TD (8HT/8HW/8HX/8HZ), 1.4Hdi DV4TED4 (8HV/8HY), 1.6Hdi DV6TED4 (9HY/9HZ), 1.6Hdi DV6ATED4 (9HW/9HX), 1.6Hdi DV6UT-ED4(9HU)	
Mazda 1.4CiTD F6JA, F6JB 1.6CiTD Y6	
Peugeot 1.4Hdi DV4TD (8HT/8HW/8HX/8HZ), 1.4Hdi DV4TED4 (8HV/8HY), 1.6Hdi DV6TED4 (9HY/9HZ), 1.6Hdi DV6ATED4 (9HW/9HX), 1.6Hdi DV6UT-ED4(9HU)	
Ford 1.4TDCi F6JA, F6JB, F6JC, F6JD 1.6TDCi G8DA, G8DB, HHDA 1.6TDCi HHDB, HHJA, HHJB, HHJD	
Volvo 1.6D D4164T	
DESCRIPTION	
For adjusting the engine timing when replacing the camshaft, cylinder head seal etc.	
DELIVERY SCOPE	
Flywheel locking bolt, use as OEM PSA 0194-C, Ford 303-734 (21-262), Volvo 999-7169, Mazda 49 JE02 020	
Crankshaft and high-pressure pump wheel locking pin, 2 pcs, use as OEM PSA 0194-A, Ford 303-732 (21-260), Volvo 999-7233, Mazda 49 JE02 018	
Crankshaft and high-pressure pump wheel locking pin, 2 pcs, use as OEM PSA 0194-A, Ford 303-732 (21-260), Volvo 999-7233, Mazda 49 JE02 018	

BT023172
EAN 4042146777688
Socket set, 172 pcs.

172
pcs.



1/4"
6,3 mm
3/8"
10 mm
1/2"
12,5 mm



79,- €



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593750	Engine adjustment tool set for MINI	145,00 €

FOR THE FOLLOWING MODELS

Suitable for the following models: MINI One, Cooper, Cooper S, Cooper S JC Cooper S JCW (series R50, 52, 53, 55, 56, 57)

ENGINE CODES

For engine codes W10, W11, N14

DESCRIPTION

For working on intake and exhaust camshafts

DELIVERY SCOPE

- Fixing of camshafts, use as OEM 119551 and 119552
- Fixing of crankshaft, use as OEM 119590
- Tools for chain tensioner, use as OEM 119340



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT592530	Engine adjustment tool set for Fiat, Peugeot, Citroën 1.8, 2.0 8V petrol	10,00 €

DESCRIPTION

For checking and adjusting the engine timing

Suitable for engine codes LFW, RFU, RGX, RFW

Use as OEM 0132Q, 0132QZ, 0132Z, 0132R, 1053AA, 1053AB, 1053ZY, 0153G, 4507TA, 4507TB, 5711TA, 7014TN, 9767.27, 7014TM, 0132X, 0132X1Z, 4507T, 4507TJ, 1860755000, 1860161000, KM955

DELIVERY SCOPE

- Crankshaft interlock, 6 mm
- Camshaft interlock, 10 mm
- Camshaft locking pins, 2x
- Tool for toothed belt tensioner



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597990	Engine adjustment tool set for Peugeot, Citroën 1.0, 1.2 Vti	105,00 €

FOR THE FOLLOWING MODELS

Peugeot 208, 2008 (2012 to 2014)
Citroën C3 (III)

ENGINE CODES

EBO (ZMZ), EB2 (HMZ)

DESCRIPTION

For checking and adjusting the engine timing

Needed e.g. when working on the valve train and replacing the cylinder head seal



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591870	Engine adjustment tool set for MINI, Citroën, Peugeot 1.6L diesel	15,00 €

FOR THE FOLLOWING MODELS

BMW MINI, MINI Clubman, series R55, R56, R57
Citroën C2, C3, C4, C5, Grand Picasso, Berlingo (MK3), Xsara Picasso
Peugeot 206, 206cc, 207, 207cc, 1007, 307, 308, 308cc, 3008, 5008, Partner (MK3)

ENGINE CODES

Engine codes: BMW: W16D16 (9HZ), W16D16UO, PSA: 9HZ, 9HX, 9HY (DV6TED4)

DESCRIPTION

For adjusting and checking the engine timing

Suitable for the following models with a 1.6L diesel engine

DELIVERY SCOPE

- Crankshaft marking pin, use as OEM PSA 0194A, BMW 119790
- Marking pins for camshaft and high-pressure pump, use as OEM PSA 0194B, BMW 110300
- Flywheel interlock, use as OEM PSA 0194C, BMW 119850, 119851, 119852



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591580	Engine adjustment tool set for BMW, MINI, PSA	69,00 €

FOR THE FOLLOWING MODELS

BMW 1.6 (N40, N45, N45T, B16, B16A, B16AC) 1.8, 2.0 (N42, N46, N46T) 2.0, 3.0 (N51, N52, N52K, N53, N54)

PSA 1.4, 1.6 16V (EP3, EP6, EP6DT, EP6DTS)

MINI 1.4, 1.6 (N12, N14)

DESCRIPTION

For aligning new and old versions of balance shafts

Prevents non-concentric engine running due to incorrectly aligned balance shafts

Needed when changing the timing chain, replacing the crankshaft sealing ring, replacing the cylinder head seal etc.

Use as OEM 115140, 119280, 119330

DELIVERY SCOPE

- Balance shaft fixing tool (old and new version)
- Crankshaft counter support
- Locking pin for chain tensioner



ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles start from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroën, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

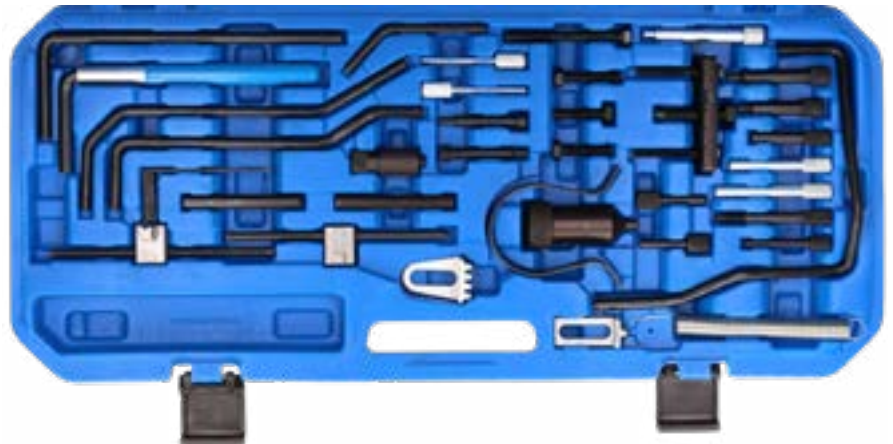
For locking the camshaft sprockets e.g. when replacing the toothed belt

Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm

Single camshaft locking tool with short and long locking screw



ART.NR	ITEM NAME	PRICE
BT592250	Engine adjustment tool set for PSA	99,00 €

FOR THE FOLLOWING MODELS

Petrol 1.0, 1.1, 1.4, 1.5, 1.6, 1.6 16V, 1.8, 1.8 16V, 1.9, 2.0, 2.0 16V, 2.0 Turbo

Diesel 1.4D, 1.4HDI, 1.5D, 1.7D, 1.7TD, 1.9D, 1.9TD, 2.0Hdi, 2.1TD 2.1TD, 2.2D, 2.5TD, 2.2Hdi

Suitable for structurally identical engines in Toyota and Fiat

ENGINE CODES

159A, 161A, 171B, 171C, 171D, 180A, 180Z, 3FZ (EW12J4), 4HX (DW12ATED), 4HZ (DW12ATED) 6FZ (EW7J4), A8A, A9A, AJZ, B1A /E /F, B2C, B4A, B6D, B6E, BAY, BDY, BFZ, C1A, CDY, CDZ, D2A /C /E /F, D6A /B /D /E, D8A /B /C, D9B, DDZ, DFZ, DHV /W /X /Y, DJ5 (T9A), DJ5T (T8A), DJY, DJZ, DKZ, EW10J4D, EW7J4, H1A, HDY, HDZ, K1A, K1F, K1G, K2A, K2B, K2D, K3A, K6B, KDX, KDY, KDZ, KFW, KFX, KFY, KFZ, L6A, LFW, LFX, LFY (XU7JP4), LFZ, M4A, NFU, NFX (TU5J4/L3), P8A, P8B, P8C, P9A, PHZ (XUD11), R2A, R6A, R6D, RDZ, RFR, RFN (EW10J4), RFS, RFT, RFU, RFV, RFW, RFX, RFY, RFZ, RGX, RGY, RHW (DW10ATED4), RHY (DW10ATD), RHZ (DW10ATED/L), RLZ(EW10J4D), T8A/THZ (DJ5T), T9A (DJ5), THX (DJ5TED), THY (DK5ATE), TU1/2/3/5/9, TU1/3/5 (HFY, HFZ, KFX, NFZ), TU5J4/L3 (NFX), TU5JP4 (NFU), WJY (DW8B), WJZ (DW8), XU10J2C/Z, XU10J2CTE/L3, XU10J2TE/Z, XU10J4R/S (RFV/R6E/RFS), XU10J4RS (RFS), XU10J4RS (RFS), XU10-R2A, R5A, R6A, RDZ, XU5-171B, 180A, B1E, XU5-B6D/E, B1A, B1E, B2A, B2B, BDY, BDZ, XU5JP (BFZ), XU-7JP4 (LFY), XU7-L6A, LFW, LFX, LFZ, XU9-D2H, D6A, D6B, D6D, DDZ, DKZ, DFZ, XU9-D2A/D, XU9J4, XUD 11 BTE (P8C), XUD11A, XUD11ATE, XUD7 (A9A), XUD7TE, XUD9 (DHY), XUD9A (D9B/DJY), XUD9AU (D8C), XUD9SD (DHW), XUD9TF (D8B), XUD9UTF (DHX), XUD9Y (DJZ)

DESCRIPTION

For adjusting the engine timing e.g. when replacing the toothed belt

DELIVERY SCOPE

Clamping tool, use as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0188Q1, 0132X1Z, 0132X

Camshaft adjustment pin 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ

2 crankshaft/camshaft adjustment pins, use as OEM 0153ZY, 4507-TB, 0153AB, 9041-TZ, 0132R, 9767.27

2 crankshaft/camshaft adjustment pins, use as OEM 0153ZY, 4507-TB, 0153AB, 9041-TZ, 0132R, 9767.27

Flywheel locking pins, use as OEM 4507-TL, 0189C

Adjustment tool, angled, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N

Bolts M8 x 35 mm / M8 x 40 mm / M8 x 70 mm

Flywheel adjustment pin, 7 mm, use as OEM 7017-TR

Flywheel adjustment pin, 8 mm, use as OEM 1 860 863 000, OUT0000127, 0153N, 0288D, 7099-TM, 0188Y, 0188D

Flywheel adjustment pin with spring, use as OEM 0188X, 0189X

Camshaft adjustment pin, use as OEM 18G 1580, 11 9 790, 5711-TD, 21-260, 07744-1110400, 303-732, 4527-T.S2, 07744-00104-00, 1 860 617 000, 0132AB, 999 7169, 0178D

Injection pump adjustment pin, use as OEM 0188H

Crankshaft/camshaft adjustment pin, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01 061, 21-263

Injection pump adjustment pin, use as OEM 4527-T.S1

Camshaft adjustment pin (CA1), use as OEM 4533-TAC1, 0132AJ1

Camshaft adjustment pin (CA2), use as OEM 0132AJ2, 2000 023 000, 0188M, 4533-TAC2

2 camshaft adjustment pins, use as OEM 9041-TZ, 5711-TC

Camshaft adjustment pin, use as OEM 0189A, 1 871 008 100

Camshaft adjustment pin, use as OEM 0189AZ

Intake camshaft adjustment pin (VTC), use as OEM 0189L

Tension lever, use as OEM 5711-TE, 0178E, 0188J/J1

Flywheel locking tool, use as OEM 0188F, 0134Q, 1 870 765 001, 1 870 827 000, 0134AF, 9044-T, 1 871 000 400

Hdi tension lever, use as OEM 0188J2

Tensioning spanner, 8 mm, use as OEM 7017-TW

Toothed belt retaining clip, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100

Flywheel locking tool, use as OEM 1 867 030 000, 0153A, 9765.54, 6012T, 1 860 161 000

Roller extractor, use as OEM 0174, 0188P, 018892, 7015-T



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FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593180	Engine adjustment tool set for Jaguar, Land Rover 2.7, 3.0 TD V6	67,00 €

FOR THE FOLLOWING MODELS

Citroen C5 III (2007 - 2009), C6 (2005 - 2009)
 Jaguar S-Type (2004 - 2008), XF (2008 - 2012), XJ (2010 - 2012), XJ6 (2005 - 2010)
 Range Rover Sport (2005 - 2009)
 Peugeot 407 (2004 - 2009), 407 Coupe (2006 - 2009), 607 (2004 - 2011) 2.7TD V6, TDVi (276DT) 2.7D HDi (DT17BTED4) (UHZ) 3.0D HDi (D2OCTED4) (X8Z) 3.0D SD V6, TD V6 (306DT) (AJ-V6D)

DESCRIPTION

For checking and adjusting the engine timing
 Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Flywheel interlock (manual), use as OEM (Rover) 303-1116
 Flywheel interlock (automatic), use as OEM (Rover) 303-1117
 Camshaft sprocket adjustment pin, use as OEM (Rover) 303-1132
 Camshaft sprocket adjustment pin, 2 pcs, use as OEM (Rover) 303-1126, (PSA) 0195H
 Water pump locking pin, use as OEM (PSA) 0195-C
 Flywheel locking tool, use as OEM (PSA) 0195-K
 Toothed belt retaining clip, use as OEM (PSA) 0188-K



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593160	Engine adjustment tool set for Jaguar, Land Rover, Ford, Citroën 2.0, 2.2, 2.4, 3.2 diesel	105,00 €

FOR THE FOLLOWING MODELS

Ford Mondeo (2000 - 2007), Transit (2000 - 2011)
 Citroen Relay (2006 - 2011), Jumper III
 Fiat Ducato (2006 - 2011)
 Jaguar X-Type (2001 - 2010)
 Land Rover Defender (2007 - 2011)
 Peugeot Boxer III (2006 - 2011)
 LDV Convoy (2002 - 2006)
 with DURATORQ (PUMA) diesel engines

ENGINE CODES

2.0L engine code ABFA, D3FA, D5BA, D6BA, F3FA, F1FA, FMBA, HJBA, HJBB, HJBC, HJBE, N7BA, N7BB
 2.2L (with chain-driven high-pressure pump), engine code QJBA (BG), QJBB, QJBC, QJBD
 2.2L (high-pressure pump driven via camshaft), engine code 4HM, 4HU, 4HV, P8FA, P22DTE, QVFA, QWFA

2.4L with engine code 244DT, DOFA, D2FA, D2FB, D4FA, F4FA, FXFA, H9FA, H9FB, HE FA, HFFA, JXFA, PHFA, ZSD 424

3.2L with engine code SAFA (timing only)

DESCRIPTION

For checking and adjusting the engine timing
 Needed e.g. when working on the valve train and replacing the cylinder head seal

DELIVERY SCOPE

Engine cover adjustment tool, use as OEM 303-682
 Tool for engine cover/crankshaft radial sealing ring, use as OEM 303-679A
 High-pressure pump wheel holding tool, use as OEM 303-1151
 High-pressure pump wheel disassembly tool, use as OEM 303-249
 Flywheel locking bolt, use as OEM 303-675
 Flywheel locking bolt, use as OEM 303-698
 Locking pin set, 3 pcs, 6 mm
 Tensioner locking pin, 2 mm

2 pcs.

BT546000
 EAN 4042146779149

Double cup valve grinder set



Ø 21 mm

Ø 16 mm

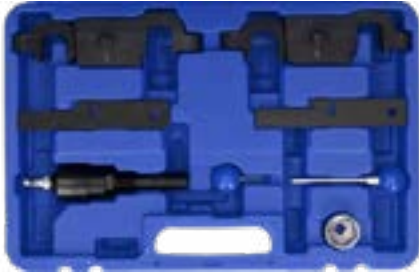


Ø 34 mm

Ø 28 mm

5,- €

PORSCHE



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT598100	Engine adjustment tools for Porsche Panamera, Cayenne V8	275,00 €

DESCRIPTION

For adjusting the camshaft timing

Needed when changing the cylinder head seal, replacing the camshafts etc.

DELIVERY SCOPE

Camshaft adjustment tool, suitable for Panamera, Cayenne after 2008, use as OEM 9678/1

Camshaft adjustment tool, suitable for Cayenne, use as OEM 9678

Auxiliary chain tensioner, suitable for Cayenne after 2008, use as OEM 9683/1

27 mm socket spanner, 10 mm (3/8") drive, 30 mm long, suitable for Cayenne, use as OEM 9714

Crankshaft alignment tool, use as OEM 9595/1



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT598130	Engine adjustment tool set for Porsche Boxster, 911	329,00 €

FOR THE FOLLOWING MODELS

Porsche Boxster (986, 987) 2.5L (start from 1998 onwards), 2.7L (start from 2000 onwards), 3.2L (start from 2000 onwards)

Porsche 911 (996, 997) 3.6L (start from 2002 onwards), 3.4L (start from 2002 onwards)

DESCRIPTION

For adjusting the engine timing

DELIVERY SCOPE

Pin driver, extension, use as OEM 9602

Alignment tool, use as OEM 9608

OT adjustment pin, use as OEM 9595

Camshaft interlock, use as OEM 9612

Camshaft support, use as OEM 9611

Camshaft holding tool, use as OEM 9634



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT598120	Engine adjustment tool set for Porsche Macan 3.0S, 3.6 Turbo	71,00 €

FOR THE FOLLOWING MODELS

Porsche Macan 3.0S, 3.6 Turbo

ENGINE CODES

Engine codes: MCT.M, MCT.L

DESCRIPTION

Needed when changing the timing chain, replacing the cylinder head seal etc.

Supplementary set for Art. BT598100

DELIVERY SCOPE

Camshaft adjustment tools, use as OEM 9861

BT011021
EAN 4042146782002
Ring open-ended spanner set

21
pcs.



69,00 €

21x

6 • 7 • 8 • 9 • 10 • 11 • 12 •
13 • 14 • 15 • 16 • 17 • 18 •
19 • 20 • 21 • 22 • 24 • 27 •
30 • 32 mm



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594420	Engine adjustment tool set for Porsche 911, Cayman, Boxster with MA1 engine	309,00 €

FOR THE FOLLOWING MODELS

Porsche 911 Coupe, Cabrio, Targa 3.6 (997) (253 KW), engine code MA1/02, 911 Coupe S, Cabrio S, Targa S 3.8 (997) (283 KW), engine code MA1/01, 911 Coupe, Cabrio, Targa 3.6 (997) (254 KW), engine code MA1/02, 911 Coupe S, Cabrio S, Targa S 3.8 (997) (283, 300 KW), engine code MA1/01, 911 Turbo 3.8 (997) (368 KW), engine code MA1/70, 911 Turbo 3.8 (997) (368, 390 KW), engine code MA1/70, 911 S 3.8 (991) (294 KW), engine code MA1/03, 911 3.4 (991) (257 KW), engine code MA1/04, 911 GT3 3.8 (991) (350 KW), engine code MA1/75, 911 GT3 RS 4.0 (991) (373 KW), engine code MA1/76, 911 Turbo 3.8 (991) (383 KW), engine code MA1/71, 911 Carrera 3.6 (997) (239 KW), engine code MA1/02, 911 Carrera S 3.8 (997) (283, 300 KW), engine code MA1/01, MA1/01S, 911 Turbo, Turbo S 3.8 (997) (368, 390 KW), engine code MA1/70, MA1/70S, Boxster 2.9 (987) (155, 188 KW), engine code MA1/20, Boxster S, Spyder 3.4 (987) (228, 235 KW), engine code MA1/21, MA1/21C, Boxster 2.7 (981) (155, 195 KW), engine code MA1/22, Boxster 3.4 (981) (232 KW), engine code MA1/3, Boxster 3.4 (981) (232 KW), engine code MA1/23, Cayman, S 2.9, 3.4 (987) (155, 195 KW), engine code MA1/20C, Cayman 2.7 (981) (155, 202 KW), engine code MA1/22C, Cayman S 3.4 (981) (239 KW), engine code MA1/23C

DESCRIPTION

For turning and aligning the crankshaft and camshaft when removing or replacing the timing chain

DELIVERY SCOPE

- Camshaft adjustment tool, use as OEM 9772
- Crankshaft pulley turning tool, use as OEM 9773
- Crankshaft locking pin, use as OEM 9595/1
- Pulley holding tool, use as OEM 9775



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT598110	Engine adjustment tool set for Porsche 911 (996, 997)	129,00 €

DESCRIPTION

For adjusting the camshaft timing
Needed when changing the cylinder head seal, replacing the camshafts etc.

DELIVERY SCOPE

- 1 camshaft holding tool, suitable for engine M96/03, use as OEM 9685
- 1 camshaft retainer, suitable for engines M97/01 and M96/03, use as OEM 9686
- 2 centring pins, suitable for engines M97/01 and M96/03, use as OEM 9595, 9595/1



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594410	Crankshaft fixing tool, for Porsche Boxster, 911 M96	32,00 €

FOR THE FOLLOWING MODELS

Porsche Boxster (986) 2.5, Boxster (986) 2.7, Boxster (986) 3.2, 911 (996) 3.4

ENGINE CODES

Engine codes: M96/20, M96/22, M96/21, M96/01, M96/01S

DESCRIPTION

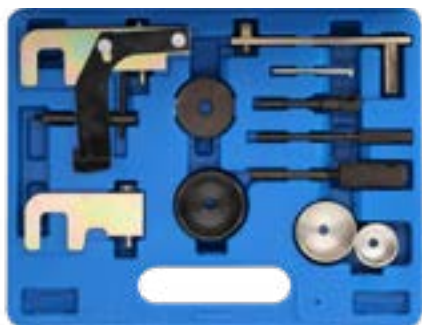
Suitable for fixing the crankshaft and bracing the camshaft adjustment

DELIVERY SCOPE

- Fixing pin for crankshaft pulley, use as OEM 9595/1, 00072195951
- 2 clamping screws (left-hand thread), use as OEM 9632/1, 00072196321
- 2 clamping screws (right-hand thread), use as OEM 9632, 00072196320



RENAULT



ART.NR	ITEM NAME	PRICE
BT594550	Engine adjustment tool set for Renault, Opel, Nissan	59,00 €

FOR THE FOLLOWING MODELS

Renault Avantime (2005, 2007), Clio (2001, 2008), Espace (2000, 2008), Kangoo (2000, 2008), Laguna (1999, 2001), Laguna II (2004, 2007), Master (2000, 2006), Megane (1999, 2008), Modus (2004, 2008), Scenic (1999, 2008), Traffic (2001, 2008), Twingo (2007, 2008)

Nissan Almera N16 (2002, 2006), Interstar (2002, 2006), Kubistar (2003, 2008), Micra K12 (2003, 2008), Note (2006, 2008), Primastar (2002, 2007), Primera P12 (2003, 2007), Qashqai (2008, 2009)

Opel Movano (2000, 2008), Vivaro (2001, 2008)

ENGINE CODES

Engine codes: 1.5 (K9K), 1.9 (F9Q), 2.2 (G9T), 2.5 (G9U)

DESCRIPTION

For positioning and locking the crankshaft and camshaft when repairing the toothed belt or engine

DELIVERY SCOPE

Intake camshaft interlock OEM KM6205 (MOT1534)

Discharge camshaft interlock, use as OEM KM6204 (MOT1537)

Injection pump interlock, use as OEM MOT1538

Tensioning tool set (5 pcs), use as OEM MOT1543

Locking pin, use as OEM MOT1430

Crankshaft locking pin, use as OEM MOT1536



ART.NR	ITEM NAME	PRICE
BT594670	Engine adjustment tool set for Renault, Volvo, Ford 16V, 20V petrol	29,00 €

FOR THE FOLLOWING MODELS

Renault Laguna (1996, 1999), Safrane (1996, 2001) with engine codes: N7Q 704, 710, 711 N7U 700, 701

Ford Kuga (start from 02/2008 onwards), Focus ST RS (start from 07/2004 onwards), S-Max (start from 03/2006 onwards), Galaxy (start from 03/2006 onwards), Mondeo (start from 02/2007 onwards) with engine codes: JZDA, HYDB, HYDC, HUWA

Volvo 850 (1992, 1997), C70 (1998, 2002), S40 (1996, 2004), V40 (1996, 2004), S60 (2001, 2005), S70 (1997, 2000), S80 (1999, 2005) with engine codes: B4164 S/S2, B4184 S/S2/S3/S9/S10, B4194 T/T2, B4204 S/S2/T/T2/T3/T5, B5202 FS, B5204 FT/T2/T3/T4/T5, B5234 T3/T4/T5/T6/T7/T8/T9, B5244 S/S2/SG/S2/T3/T4/T5/T7, B5252 FS, B5254 T/T2/T4

DESCRIPTION

Contains important tools for adjusting the engine timing
1.6, 1.8, 1.9, 2.0, 2.3, 2.4, 2.5L DOHC engines

DELIVERY SCOPE

Camshaft retainer, use as OEM MOT1337, 999-5452, 303-1178

Tension roller key, use as OEM MOT1348

Flywheel retainer, use as OEM MOT1340, 999-5451, 303-1182



ART.NR	ITEM NAME	PRICE
BT594652	Crankshaft fixing mandrel for Renault	4,00 €

FOR THE FOLLOWING MODELS

Renault, Nissan, Mercedes

DESCRIPTION

For locking the crankshaft when working on the engine control unit.

DELIVERY SCOPE

to be used like OEM tools MOT1489, KV113B0130, 0991958110, W607589001500



ART.NR	ITEM NAME	PRICE
BT594460	Engine adjustment tool set for PSA 2.5, 2.8 l diesel	12,00 €

FOR THE FOLLOWING MODELS

Citroen, Peugeot, Fiat, Iveco Traffic (1980-2000), Master (1980-2007), Mascot (1999-2007)

Fiat, PSA, Renault Daily (1991-2005), Turbo Daily (1994-2000), Relay, Jumper (2001-2002) Boxer (2000-2006), Arena (1997-2001), Movano (1998-2003)

DESCRIPTION

Use as OEM Fiat 1 870 667 000, 1 870 765 001, 1 860 617 000, Renault MOT861, MOT1054, MOT863, Opel KM6031, Ford 21-260, 303-732, Peugeot 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Citroen 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Mazda 49 JE 02018, 0991246510, Volvo 999-7169

DELIVERY SCOPE

2 locking bolts

Flywheel locking bolt

Holding tool for toothed belt tensioner



ART.NR	ITEM NAME	PRICE
BT594653	Flywheel fixing pin for Renault	3,00 €

FOR THE FOLLOWING MODELS

Renault, Nissan, Mercedes

DESCRIPTION

For locking the crankshaft when working on the engine control unit.

DELIVERY SCOPE

to be used like OEM tools MOT1054, KV113B0110, 0991246510, W607589011500



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT593830	Retaining device for toothed belt pulley of the high-pressure pump	29,00 €

DESCRIPTION
Suitable for diesel engines with the identifier F9Q
Installed in vehicles manufactured by Opel, Renault, Nissan
Toothed belt does not need to be removed
Precise fixing of the pump wheel thanks to an accurate fit
No need to readjust the pump



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594650	Engine adjustment tool set for Renault	159,00 €

FOR THE FOLLOWING MODELS
Renault petrol engines 1.4, 1.6, 1.8, 2.0 l, each with 16V technology
Renault petrol engines 2.5 l, 20V with dual camshafts
Renault petrol engines 1.2, 1.4, 1.6, 1.7, 1.8, 2.0, 2.2 l
Renault diesel engines 1.9, 2.5, 2.8 l
Also for Opel Arena, Movano and Volvo V40, S40

DESCRIPTION
Locking the flywheel
Locking the crankshaft, injection pump shaft
Removing the crankshaft pulley
Tensioning the toothed belt
Adjustment gauge for positioning the camshaft and pump shaft in relation to the crankshaft
Use as OEM tools MOT1348, MOT1312, MOT1135-01, MOT1384, MOT1337, MOT1496, MOT910-1, MOT910, MOT861, MOT863, MOT1054, MOT1318, MOT1489, MOT1340, MOT1386, MOT1490, MOT1490-1, KM6031



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT551400	Adjustment and locking tool for diesel pumps for Renault, Mitsubishi, Opel	23,00 €

FOR THE FOLLOWING MODELS
Renault Megane Scenic, Kangoo
Mitsubishi Carisma
Opel Arena
Volvo S40, V40

DESCRIPTION
For F8Q and F9Q diesel engines with adjustable pump wheel

DELIVERY SCOPE
Special insert with 27 mm internal hex and 1/2" drive
Adjustment tool with 3x 4 mm pins for adjusting the pump
M10 to M8 adapter for Bosch pumps



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594580	Camshaft locking tool for Renault 1.8, 2.0 16V	49,00 €

FOR THE FOLLOWING MODELS
Renault Laguna II (2001, 2009), Megane II (2002, 2009), Scenic (2002, 2009)

ENGINE CODES
Engine codes: 700, 701, 712, 713, 714, 715, 720, 721, 722, 722, 730, 732, 736, 738, 740, 741, 744, 746, 747, 760, 761, 762, 763, 764, 765, 766, 767, 770, 771, 773, 774, 774, 775, 776, 784, 786, 787, 790, 792, 794, 797, 830, F4P, F4R

DESCRIPTION
For locking the camshaft sprockets
Use as MOT 1509-01, 1509



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594651	Camshaft tool for Renault	20,00 €

FOR THE FOLLOWING MODELS
Renault 1.4, 1.6, 1.8, 2.0 l, jewels mit 16V-technology
MOTORCODES
Renault: D4F, K4J, K4M, F4P, F4R, F4Rt, F5R740, K9K

DESCRIPTION
Adjusting gauge for locking the camshaft when working on the engine control unit.

DELIVERY SCOPE
to be used like OEM tool MOT1496



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594655	Clamping tool for Renault	11,00 €

FOR THE FOLLOWING MODELS
Renault
DESCRIPTION
For adjusting the tensioning pulley when changing the toothed belt

DELIVERY SCOPE
to be used like OEM tool MOT1384



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594610	Flywheel/crankshaft pulley blocking and end cover disconnection tool set for Renault, Nissan	109,00 €

FOR THE FOLLOWING MODELS

Renault 1.4, 1.6, 2.0, 2.5, 3.5L petrol engines with timing chain

Petrol engines 1.4 L (H4JT), 1.6 L (M5M), 2.0L (M4R), 2.5 L (2TR), 3.5 L (V4Y)

For locking the flywheel on diesel engines 2.0 L (M9R), 2.3 L (M9T), in conjunction with Art. BT593820

DESCRIPTION

For locking the flywheel and the crankshaft pulley and for disconnecting the end cover when replacing the timing chain

DELIVERY SCOPE

Crankshaft pulley holder, use as OEM MOT 2019, MOT 1789

Flywheel blocking tool, use as OEM MOT 919-02

Flywheel blocking tool, use as OEM MOT 1431

End cover disconnection tool, use as OEM MOT 1716



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594592	Injection pump wheel interlock for Renault	9,00 €

FOR THE FOLLOWING MODELS

Renault Clio, Megane, Laguna, Kangoo with 1.9 TDI

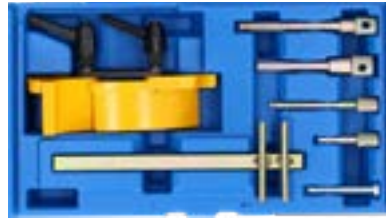
ENGINE CODES

Engine code: F9Q

DESCRIPTION

For locking the pump wheel when replacing the toothed belt and carrying out other work that requires dismantling of the toothed belt

Use as OEM 1200-01



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594570	Engine adjustment tool set for Renault, Opel, Volvo, Mitsubishi, Chrysler	41,00 €

FOR THE FOLLOWING MODELS

Renault: Clio (1990-2013), Espace, Grand Espace (1996-2002), Extra, Rapid, Express (1991-2002), Kangoo (1998-2009), Laguna (1994-2001), Megane (1995-2003), Scenic (1996-2003), Modus, Grand Modus II (2004-2013), Safrane (1992-2001), Trafic (1997-2000), Master II (2000-2003), Twingo (2000-2013), Wind (2011-2013)

Opel: Arena (1997-2001), Movano-A (1999-2006), Vivaro (2001-2007)

Volvo: S40 (1996-2004), V40 (1996-2004)

Mitsubishi: Carisma (2001-2005), Space Star (2000-2006)

Chrysler: Cherokee (1984-1995), Wrangler (1988-1995)

ENGINE CODES

E7F 1.2: 700, 704, 706, 708, 750

D4F 1.2 16v: 702, 704, 706, 708, 712, 714, 716, 722, 728, 730, 740, 742, 764, 772, 780, 782, 784, 786

E7J 1.4: 601, 624, 626, 634, 635, 710, 711, 716, 718, 719, 754, 756, 757, 764, 780

F3P 1.8: 674, 676, 678, 710, 712, 714, 720, 724, 755, 758, B670, Q7, R7, S724

F7P 1.8 16v: 720, 722

F8Q 1.9D/Di/Turbo: 600, 606, 620, 622, 624, 630, 632, 644, 646, 648, 662, 672 /676, 678, 680, 682, 684, 692 /696, 714, 722, 724, 730, 732, 776, 784, 786, 788, 790, B640

F9Q 1.9D dTi: F9Q1, F9Q2, 710, 716, 717, 720, 722, 730, 731, 734, 736, 744, 760, 762, 770, 774, 780, 782, 790 D4192T, D4191T2 D4192T3, D4192T4

F3R 2.0: 611, 722, 723, 742, 750, 751, 752, 768, 769, 791, 796, 797, 798

J7R 2.0: 732, 733, 734, 735

F7R 2.0 16V: 700, 714, D710

J7T 2.2 16V: 760, 761

G8T 2.2D/Turbo: 706, 714, 716, 740, 752, 760, 790, 792, 794

DESCRIPTION

For adjusting the engine timing on Renault petrol and diesel engines

DELIVERY SCOPE

Camshaft locking tool, adjustable for DOHC engines

Injection pump wheel fixing mandrel, use as OEM Mot.910

Tension roller key, use as OEM Mot1135-01

Crankshaft fixing mandrel, use as OEM Mot.1318

Crankshaft fixing mandrel, use as OEM Mot.1054

Crankshaft fixing mandrel, use as OEM Mot.910



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT593820	Engine adjustment tool set for Nissan, Renault, Opel	105,00 €

FOR THE FOLLOWING MODELS

Nissan Primaster (2008, 2009), Gashqai (2008, 2009), X-Trail (2007, 2008)

Renault Koleos (2008, 2009), Laguna (2005, 2008), Megane (2007, 2008), Scenic (2008, 2009), Trafic (2007, 2008), Vel Satis (2008, 2009)

Opel Vivaro (2007, 2008)

ENGINE CODES

Nissan engine codes: M9R 780, 830, 832, 833

Nissan engine codes: M9R 700, 721, 724, 740, 742, 446, 760, 761, 780, 802, 803, 805, 830, 832, 833

Opel engine codes: M9R 780, 782, 784

DESCRIPTION

For adjusting and checking the engine timing



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594680	Engine adjustment tool set for Renault 1.5, 1.9 DCI	5,00 €

FOR THE FOLLOWING MODELS

Renault Laguna, Kangoo, Clio

DESCRIPTION

For replacing the toothed belt

Suitable for Renault Laguna, Kangoo, Clio with 1.5, 1.9 DCi engines

DELIVERY SCOPE

Crankshaft adjustment pin, use as OEM MOT 1489

Camshaft and crankshaft adjustment bolt, use as OEM 0194B, 999-7122, 21-263, MOT 1430, 0187B, 0189B, 607589011500

Crankshaft adjustment bolt, use as OEM KM603, MOT 1054, MOT 861, MOT 863



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597940	Engine adjustment tool set for Peugeot, Citroën, PSA	89,00 €

FOR THE FOLLOWING MODELS

- Citroën AX, Berlingo, BX, C5, C15, C25, Dispatch, Evasion, Jumper, Jumpy, Relay, Saxo, Synergie, Visa, Xsara, Xantia, XM, XJR, ZX, etc.
- Peugeot 106, 205, 306, 405, 406, 605, 806, J5, Boxer, Expert, Partner, Solara, Talbot Express, Talbot Horizon, etc.
- PSA petrol engines 1.9, 1.1, 1.4, 1.6, 1.8, 1.9, 2.0, 1.6, 1.8, 2.0, 2.2 16V (turbo and dual camshafts)
- PSA diesel engines 1.4, 1.5, 1.7, 1.8, 1.9, 2.1, 2.5 D, TD, TDI, 1.4, 1.6, 2.0, 2.2 HDI
- Suitable for structurally identical engines in Fiat, Ford, Nissan, Renault, Rover, Toyota, etc.

DESCRIPTION
For checking and adjusting the engine timing

DELIVERY SCOPE

- Flywheel adjustment pin with spring, use as OEM 0188X, 0189X
- Tensioning spanner, 8 mm, use as OEM 7017-TW
- Flywheel fixing mandrel, 7 mm, use as OEM 7017-TR
- Angled adjustment pin, 8 mm, use as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860 863 000, 0153N
- Clamping tool, use as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0132X

- Camshaft marking mandrel, use as OEM 0189A, 1 871 008 100
- Hdi tension roller lever, use as OEM 0188J2
- Tension roller lever, use as OEM 5711-TE, 0178E, 0188JJ1
- Flywheel disc extractor, use as OEM 0174.0188P, 018892, 7015-T
- Toothed belt retaining clamp, use as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 1 870 00 100
- Flywheel retainer, use as OEM 0195K, 4507-TL
- Clamping tool, use as OEM 0189S1
- Flywheel retainer, use as OEM 1867030000, 0153A, 9765.54, 6012T, 1860161000
- Tension lever, use as OEM 0189S2
- Angled locking pin, 5 mm
- Flywheel fixing mandrel (for automatic transmission), use as OEM 0189R
- Camshaft marking mandrel, use as OEM 0189AZ
- Crankshaft retainer, use as OEM 0288D, 0188Y, 7014
- Flywheel fixing mandrel (manual transmission), use as OEM 0189C
- Flywheel interlock, use as OEM 0188F, 0134Q, 1870765001.1870827000, 0134AF, 9044-T, 1871000400
- Camshaft marking mandrel (CA1), use as OEM 4533-TAC1, 0132AJ1

- Camshaft and crankshaft retainer, use as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01061, 21-263
- Camshaft marking mandrel (CA2), use as OEM 0132AJ2, 2000023000, 0188M, 4533-TAC2
- Marking mandrel for injection pump, use as OEM 4527-TS1
- Injection pump fixing mandrel, use as OEM 0188H, 1 860 965 000
- Flywheel fixing mandrel, use as OEM 49JE02020, 0194C, 21-262, 999-7121, 999-7169, 303-734
- 2 camshaft and crankshaft marking mandrels, use as OEM 4507-TB.7014-TN, 0132-R, 0153-AB, 0158-G
- 2 camshaft and crankshaft interlocks, use as OEM KM-955, 7014-TM
- 2 camshaft marking mandrels, use as OEM 9041-TZ, 5711-TC
- 2 crankshaft fixing mandrels, use as OEM 5711-TD, 119790, 0194A, 1860617000, 303-732, 07744-00104-00, 49JE02018, 0178D, 9997169, 4527-TS2, 21-260, 999-7169, 0132AB
- Camshaft fixing mandrel, use as OEM 0189L
- Screw M8 x 80 mm
- Pin for clamping device, 3 mm, use as OEM 0153AL, 4200TA
- Centring clip for crankshaft pulley, use as OEM 0188AH
- Crankshaft marking mandrel, 6 mm, use as OEM 4507-TA, 0132Z, 0132QZ

SAAB



ART.NR	ITEM NAME	PRICE
BT593815	Engine adjustment tool set for Opel, Saab, Buick, Cadillac, Chevrolet 2.8, 3.6 V6	54,00 €

FOR THE FOLLOWING MODELS

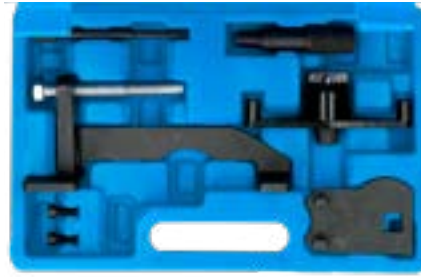
Buick Enclave 3.6, engine code: LY7
 Cadillac SRX, STS, CTS 3.6, engine code: LY7, LLT
 Chevrolet Camaro 2.8, engine code: LTT, LFX
 Opel Insignia 2.8 V6 Turbo, engine code: LAU/A28NER
 Opel Antara 3.2 V6 (start from 2007 onwards), engine code: Z32SE
 Saab 9-5 2.8 (2009-2013), engine code: LAU/A28NER

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Camshaft adjustment tools, use as OEM EN-48383-1, EN-48383-2, EN-48383-3
 Flywheel locking tools, use as OEM EN-46106
 Crankshaft turning tool, use as OEM EN-46111



ART.NR	ITEM NAME	PRICE
BT594250	Engine adjustment tool set for Opel, GM 2.0, 2.2 Ecotec diesel	40,00 €

FOR THE FOLLOWING MODELS

Opel Vectra 2.0 Turbo diesel, Sintra 2.2 Turbo diesel, Zafira 2.0 Turbo diesel, Frontera 2.2 Turbo diesel
 Saab 9-3 2.2 Turbo diesel

ENGINE CODES

Engine codes: X20DTL, X20DTH, X22DTH, Y22DTR

DESCRIPTION

Makes it possible to adjust the engine timing

DELIVERY SCOPE

Adjustment spanner with holder, use as OEM Opel KM933, Saab 8395394
 Injection pump adjustment pin, use as OEM Opel KM927, Saab 8395337
 Crankshaft adjustment pin, use as OEM Opel KM929, Saab 8395352
 Camshaft adjustment tool, use as OEM Opel KM932, Saab 8395386



ART.NR	ITEM NAME	PRICE
BT594350	Engine adjustment tool for Opel	189,00 €

FOR THE FOLLOWING MODELS

Opel Agila, Astra, Corsa, Frontera, Meriva, Omega, Signum, Sintra, Speedster, Tigra, Vectra, Zafira

ENGINE CODES

X10XE, X12XE, Z10XE, Z12XE, Z10XEP, Z12XEP, Z14XEP, X14XE, X16XEL, X16SEJ, X18E1, X18XE1, Y16XE, Z14XE, Z16XE, Z18XE, 18XEL, X18XE, C20SEL, X20XEV, Z20LET, X22XE, Y22XE, Z22XE, Z13DT, X20DTL, X20DTH, Y20DTL, Y20DTH, X22DTH, Y22DTH, Y22DTR, Z19DT, Z19DTH

DESCRIPTION

For adjusting and checking the engine timing



ART.NR	ITEM NAME	PRICE
BT593320	Engine adjustment tool set for Land Rover 3.6 TD V8	145,00 €

FOR THE FOLLOWING MODELS

Range Rover (L332) 3.6 TD V8 (2006-2011), engine code: 368DT
 Rover Sport L320 3.6 TD V8 (2006-2011), engine code: 369DT

DESCRIPTION

For adjusting the engine timing when replacing the timing chain or the cylinder head seal

DELIVERY SCOPE

Camshaft adjustment tool (2x) with fastening screws, use as OEM 303-1236
 Flywheel locking tool, use as OEM 303-1243
 Crankshaft adjustment pin, use as OEM 303-1238
 Camshaft turning pin, use as OEM 303-1239



ART.NR	ITEM NAME	PRICE
BT593970	Engine adjustment tool set for GM, Opel, Vauxhall, Saab 2.0 Turbo	51,00 €

FOR THE FOLLOWING MODELS

Opel Signum Turbo, Vectra-C Turbo (2002-2008), Saab 9-3 1.8 Turbo (2002-2011), Saab 9-3 1.8 Turbo BioPower (2002-2011), Saab 9-3 2.0 Turbo (2002-2012), Saab 9-3 2.0 Turbo BioPower (2010-2012), Saab 9-3XT (2009-2011)

ENGINE CODES

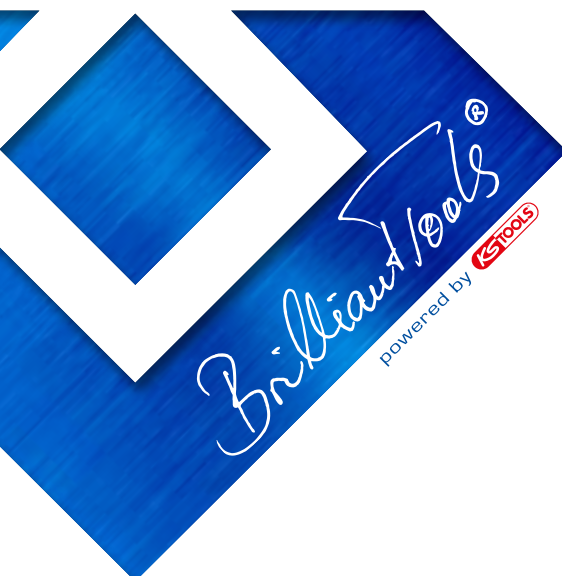
Engine codes: Z20NET, B207, B207L, B207, B207L, B207, B207L, B207, B207L, B207, B207L

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Crankshaft pulley holding tool, use as OEM KMJ38122-A, 8396210
 Intake camshaft alignment tool, use as OEM KM6362-1, EN-48366-001
 Discharge camshaft alignment tool, use as OEM KM6362-2, EN-48366-002
 Chain tensioner locking pin, use as OEM KM6077, 8396392





ART.NR	ITEM NAME	PRICE
BT595700	Camshaft locking tool set for VAG, Ford, Opel, Saab	34,00 €

DESCRIPTION

Universal set for a wide range of models

DELIVERY SCOPE

Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.8, 2.0, use as OEM KM-852, 18G1570

Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.4, 1.6, use as OEM KM-853

Right camshaft with Saab 900, 900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-2

Left camshaft with Saab 900.900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-1

Crankshaft toothed belt pulley interlock tool for TDI pump-injection engines with VW, Audi, Skoda, Seat and Ford, use as VAG T10050

Flywheel interlock tools for Citroen, Fiat and Peugeot, use as OEM 153A, 6012T, 9765.54

Flywheel holder unit for Isuzu 1.5 and 1.7 diesel, Opel 1.6, 1.7 diesel engines, Opel 1.2, 1.4, 1.6, 1.8, 2.0 OHC petrol engines, use as OEM KM-517-B

ART.NR	ITEM NAME	PRICE
BT591030	Engine adjustment tool set for VAG	59,00 €

FOR THE FOLLOWING MODELS

Audi A3 1.8 Turbo (AGN AGU AJQ APG APP AQA ARX ARY ARZ AUM AUQ) 1996-2003, A3 1.6 FSI (BAG) 2003-2006, S3 1.8 Turbo (AMK APY BAM) 1996, A4 1.8 Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006, A6 1.8 Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006, Cabriolet 1.8 (ADR) 1997-2000, TT 1.8 Turbo (AJQ APP APX AUM AUQ BAM) 1998-2006

Volkswagen Beetle 1.8 Turbo (AVC) 1999-2006, Touran 1.6 FSI (BAG BLP) 2003-2007, Golf 1.8 Turbo (AGN AGU AQA ARZ AUM AUQ) 1997-2005, Bora 1.8 Turbo (AGN AGU AQA ARZ AUM AUQ) 1997-2005, Passat 1.8 Turbo (ADR AEB ANB APT APU ARG AWT) 1996-2005, Sharan 1.8 Turbo (AJH AWC) 1997-2007

Seat Ibiza 1.8 Turbo (AQX AYP) 1999-2002, Cordoba 1.8 Turbo (AQX AYP) 1999-2002, Leon 1.8 Turbo (AJQ AQN APG APP APT ARYAUG) 1999-2005, Toledo Turbo (AQN APG APT ARY AUQ) 1999-2005, Alhambra 1.8 Turbo (AJW AWC) 1997-2007

Skoda Octavia 1.8 FSI Turbo (AGN AGU ARX ARZ AUM) 1996-2005, Octavia 1.8 Turbo 20V RS (AUG) 2000-2006, Octavia 1.6 FSI (BLF) 2004-2007

ENGINE CODES

Suitable for 1.8 L turbo and 1.6 L FSI engines

DELIVERY SCOPE

Counter support for crankshaft, use as OEM 3036

Camshaft fixing tool, use as OEM T10171

Counter support for drive sprockets of oil pump gear, camshaft, vibration damper, use as OEM T10172

Adapter pieces for counter support, use as OEM T10172

Chain tensioner bracket for installation and removal of the chain tensioner, use as OEM T20018, 3366

Tension roller element fixing pin, use as OEM T40011

ART.NR	ITEM NAME	PRICE
BT594240	Engine adjustment tool set for Opel Vectra, Signum, Zafira	69,00 €

FOR THE FOLLOWING MODELS

Opel Astra G (2000, 2006), Speedster (Vauxhall) VX220 (2000, 2006), Vectra B, C (2000, 2008), Signum (2003, 2008), Zafira A, B (2000, 2008)

ENGINE CODES

Engine codes: Z22SE, Z22YH

DESCRIPTION

For adjusting the timing on the 2.2 L 16V engine with timing chain

DELIVERY SCOPE

Camshaft interlock, use as OEM KM-6148

Marking pin for chain tensioner, use as OEM KM-6077, Saab 8396392

Crankshaft counter support, use as OEM Opel KM-J-38122-A, KM-956-1, Alfa 2192261000

Water pump interlock, use as OEM Opel EN-43651, KM-J-43651, Alfa 2000012000



SEAT



ART.NR	ITEM NAME	PRICE
BT597010	Engine adjustment tool set for VAG FSI, TSI 1.4, 1.6 (with timing chain)	29,00 €

FOR THE FOLLOWING MODELS

Audi A3 (2003-2010)
 Seat Ibiza, Leon, Altea
 Skoda Octavia (2004-2009), Fabia (2007-2009), Superb (2009-2010), Roomster (2006-2009)
 Volkswagen Golf (2003-2009), Golf Plus (2005-2009), Jetta (2006-2009), Passat (2005-2009), Polo (2002-2008), Scirocco (2009-2010), Tiguan (2007-2009), Touran (2003-2009), Eos (2006-2009)

ENGINE CODES

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

DESCRIPTION

For checking and adjusting the timing
 Needed e.g. when replacing the timing chain
 Suitable for VAG FSI and TFSI 1.4 and 1.6 L engines

DELIVERY SCOPE

Camshaft locking device, use as OEM T10171
 Dial gauge bracket, use as OEM T10170
 Crankshaft interlock, use as OEM T10340
 Hydraulic tensioner interlock, use as OEM T40011



ART.NR	ITEM NAME	PRICE
BT597500	Engine adjustment tool for VAG 1.2, 1.4, 1.6 FSI, 1.4 TSI	73,00 €

FOR THE FOLLOWING MODELS

Audi A1, A3, A3 Sportback, A3 Cabriolet
 Seat Altea, Altea XL, Ibiza, Ibiza Sport Coupe, Leon, Toledo
 Skoda Fabia, Fabia, Octavia, Rapid, Roomster, Yeti
 VW New Beetle, Caddy, Golf, Golf Plus, Golf Cabriolet, Golf Variant, Jetta, Polo, Touran

ENGINE CODES

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

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Camshaft locking device, use as OEM T10171
 Dial gauge, use as OEM T10170 (dial gauge holder with 274 mm total length, exterior thread M14 x 1.25 mm)
 Crankshaft interlock, use as OEM T10340
 Hydraulic tensioner interlock, use as OEM T40011 (8 mm tension shaft)
 Precision dial gauge for locating the piston OT (resolution: 0.01 mm / measuring range: 0-8 mm / diameter: 41 mm)
 2x crankshaft wheel locking pin, use as OEM T10341 (two guide bolts with 135 mm length, 24 mm long exterior thread M8 x 1.25 mm, reciprocal external hex with 6 mm width between flats)
 Camshaft interlock, use as OEM T10414



ART.NR	ITEM NAME	PRICE
BT591070	Engine adjustment tool set for VAG 1.6 2.0 CR TDI	79,00 €

FOR THE FOLLOWING MODELS

Audi A1, A3 (8P), A4 (B8), A5A6 (C6, C7), TT (8J), Q3, Q5
 Skoda Fabia II, Roomster, Praktik, Oktavia II, Suberb II, Yeti
 Seat Ibiza (6J), Leon III, Exeo, Altea, Alhambra II
 Volkswagen Golf V, VI und Plus, Eos, Polo VJetta V und VI, Scirocco III, Beetle II, Caddy II, Passat B6, B7 und CC, Touran, Sharan II, T5, Amarok

ENGINE CODES

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

DESCRIPTION

Contains important tools for checking and adjusting the timing after replacing the toothed belt
 Also suitable for earlier pump/nozzle engines

DELIVERY SCOPE

Injection pump interlock, use as OEM T20102, U40074, 3359
 Crankshaft interlock, use as OEM T10050, T10100
 Ball head hexagon socket 6 mm, use as OEM T10264
 2.5 mm tension roller locking pin, use as OEM T10265
 3.9mm tension roller locking pin, use as OEM T40098
 Toothed belt pulley holding tool, use as OEM T10051
 Puller for toothed belt pulley, use as OEM T10052
 Oil pump/balance shaft adjustment tool, use as OEM T10255

BT511200
EAN 4042146778746
Radio removal tool set

20
pcs.

Porsche | Mercedes | Audi | Ford
 BMW | Opel | VW | Škoda

9,00 €





FITS FOR:



ART.NR	ITEM NAME	PRICE
BT561005	Ignition coil disassembly tool for VAG	16,00 €

DESCRIPTION

For disassembling ignition coils mounted directly on the spark plug

Suitable for e.g. the following models from year of construction 2013 onwards: VW Golf, Audi A3, Seat Leon, Skoda Octavia with FSI engines 1.2, 1.4, 2.0 with timing chain



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT606004	Special spanner for exhaust gas temperature sensor for VAG, SW 19 mm	28,00 €

DESCRIPTION

For assembling/disassembling exhaust gas temperature sensors

Suitable for e.g. the following VAG engines: 1.8 TFSI, 2.0 TFSI, 2.0 FSI, 1.6 CRTdi, 2.0 common rail

Spanner width 19 mm

Use as OEM T10395/8, T10395/9, T10395/10



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT541061	Bit insert, length 54 mm, 12.5 mm square drive (1/2") for VAG Polydrive	4,00 €

DESCRIPTION

Special insert for loosening and tightening the fixing screw of the camshaft adjuster for VAG 4-cylinder fuel injection engine (2.0 l direct injection engine)

Special spline profile

Use as OEM: T40080

With knurled grip

Dimensions: M10

DELIVERY SCOPE

3 special inserts, 10 mm (3/8") drive

Special insert for camshaft control valves, use as OEM T10352

Special insert for camshaft control valves, use as OEM T10352/1

Special insert for camshaft control valves, use as OEM T10352/2



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT561006	Ignition coil extractor for VAG	23,00 €

DESCRIPTION

For pulling off ignition coils on VAG models from year of construction 2013 onwards

Pin-shaped for insertion into the ignition coil fixing hole

Suitable for 4-cylinder 1.2, 1.4, 1.8, 2.0 FSI, TFSI engines, installed in e.g. VW Golf, Audi A3, Seat Leon, Skoda Octavia

Use as OEM T10530



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT595850	Camshaft control valve inserts for VAG 1.8, 2.0 TFSI, TSI	14,00 €

DESCRIPTION

For fitting/removal of the 4/3-way central valve of the camshaft adjustment

Suitable for 1.8, 2.0 L 4-cylinder fuel injection and direct injection engines with timing chain, installed in the following models:

Audi A3, A4, A5, Q5, TT, Seat Altea, Leon, Toledo, Exeo, Skoda Octavia II, Superb II, Yeti, Volkswagen Eos, Golf, Jetta, Passat, Scirocco, Sharan, Tiguan



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT595800	Engine adjustment tool set for Volkswagen 1.2	11,00 €

DELIVERY SCOPE

Can also be used as a replacement for Art. BT597800

Use as OEM T10123





ART.NR	ITEM NAME	PRICE
BT591960	Vibration damper tool set for VAG 1.8, 2.0 TFSI	145,00 €

ENGINE CODES

Engine codes for 1.8L TFSI: BZB, CDA, BPU, BYT, CABA, CABB, CDHA, CDHB, CABD, DAJB, CJS, CJSB, CJEB, CJEE, CJED, CYGA, CDAC, CJSC, CGYA, DAJA

Engine codes for 2.0L TFSI: CAWB, CCZA, CBFA, CCTA, CDNB, CDNC, CDND, CJXA, CJXE, CJXH, CHHB, CHHA, CULA, CFKA, DEDA, CHJA, CAWA, CCZC, CCZD, CP, CJK, CESA, CETA, CFPA, CNCD, CPLA, CYRB, CYRC; CNCE, CYNB, CYP, CULB, CULC, CNCB, CWZA, CJXF, CJXC, CJXB, CJXG, CHHC, CCZB

DESCRIPTION

Prevents the timing chain sprocket from turning when the vibration damper is being removed or installed

Suitable for Volkswagen, Audi, Skoda and Seat models with 1.8 and 2.0L TFSI engine with chain drive

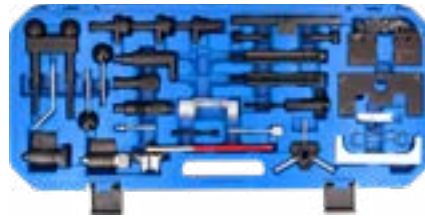
DELIVERY SCOPE

Vibration damper holding tool, use as OEM T10531/1

Crankshaft wheel clamping bolt, use as OEM T10531/2

Nut for crankshaft wheel holding tool, use as OEM T10531/3

Adapter piece for crankshaft wheel holding tool, use as OEM T10531/4



ART.NR	ITEM NAME	PRICE
BT597800	Engine adjustment tool set for VAG	139,00 €

DESCRIPTION

1.9L, 2.0L TDI pump/nozzle

1.9L TDI

2.5L V6-TDI

3.3L V8-TDI

1.2L 3-cylinder and 1.4, 1.6L petrol engines

ENGINE CODES

OE-Code Audi: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123

OE-Code Seat: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123

OE-Code Škoda: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123

OE-Code Volkswagen: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123

DELIVERY SCOPE

Camshaft adjustment gauge (e.g. VW 1.9 I TDI)

Toothed belt pulley interlock tool (e.g. VW, Skoda 1.9L, 2.0L TDI pump/nozzle)

Camshaft interlock tool (e.g. VW, Audi 2.5L V6 TDI)

3-way adjustable toothed belt tension roller spanner (universal, for VW, Audi)

Interlock mandrel for injection pump wheel (e.g. VW, Audi, Seat, Skoda amongst others)

Retaining plate for toothed belt tensioning device (VW, Skoda 4-cylinder TDI pump/nozzle)

Open plug-in unit SW22 for assembly and disassembly of diesel injection nozzles

Camshaft adjustment tools, use as OEM T10123, T10120, 3458, 3418, 2065A, 3366, T10098, 3418

Crankshaft adjustment tools, use as OEM T10121, 3242, T10050, T10100

Tensioning roller interlock tools, use as OEM T10060A, T10020, T10008, T40011

Injection pump interlock tools, use as OEM 3359, 2064



ART.NR	ITEM NAME	PRICE
BT596004	Tensioning spanner for VAG	13,00 €

DESCRIPTION

For adjusting the tensioner pulley

Use as OEM T10020



ART.NR	ITEM NAME	PRICE
BT596005	Tension pulley spanner, 12-point, SW 32 mm	6,00 €

FOR THE FOLLOWING MODELS

Audi 100 from 1991 onwards, A4, A6 2.5 TDI 5-cylinder
VW Polo Diesel, Lupo from 1999 onwards, LT and T4 2.5 TDI

DESCRIPTION

For actuating the automatic tension roller while replacing the toothed belt



ART.NR	ITEM NAME	PRICE
BT596003	Cam shaft arresting tool	11,00 €

FOR THE FOLLOWING MODELS

VAG 1.4I, 1.6I 16V

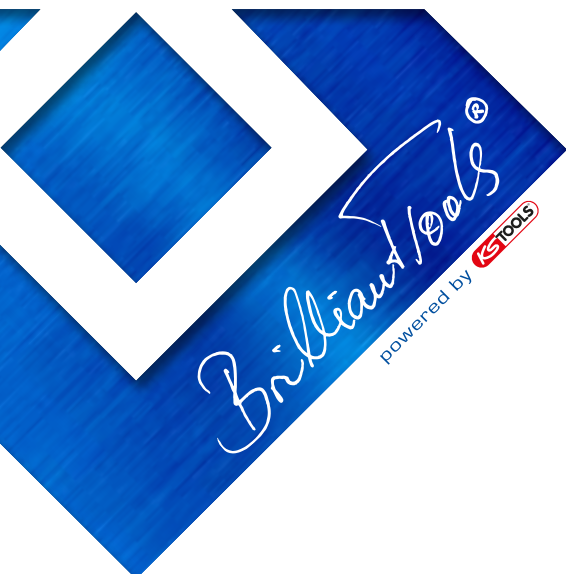
ENGINE CODES

ARC, AUB, AUA, AUS, APE, ATN, AVY, AFK, AHW, APE, AGQ, AJV, AKQ, AZD

DESCRIPTION

For adjusting the camshaft e.g. when replacing the toothed belt

Use as OEM T10016





FITS FOR:

ART.NR	ITEM NAME	PRICE
BT546004	Crankshaft sealing ring assembly tool for VAG 1.4 and 1.6 16V	130,00 €

FOR THE FOLLOWING MODELS

Seat Arosa, Ibiza, Cordoba, Leon, Toledo, Inca
Skoda Fabia, Octavia, Roomster
VW Lupo, Polo, Golf, Bora, Beetle, Caddy

ENGINE CODES

Engine codes: CHYA, CHYB, CPGA

DESCRIPTION

For fitting the radial sealing ring on the transmission
Attempting to fit the sealing ring without this tool may lead to leaks, destruction of the new sealing ring, and poor engine running
Suitable for VAG vehicles with 1.4 and 1.6 16V engines
Use as OEM T10017



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear
Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly
Continuous adjustment range of the gripping arms from 42 – 82 mm
Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm
6-groove puller body with adjusting disc
Spindle, M14 x 1.5, 19 mm hex, with centring cone



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt
Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm
Single camshaft locking tool with short and long locking screw



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT596006	Camshaft sprocket locking tool for VAG 1.0	4,00 €

FOR THE FOLLOWING MODELS

Seat Mii 1.0 (3-cylinder)
Skoda Citigo 1.0 (3-cylinder)
Volkswagen Up 1.0 (3-cylinder)

DESCRIPTION

For locking the camshafts in the adjustment position
Needed when checking and adjusting the engine timing
Use as OEM T10476



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT595700	Camshaft locking tool set for VAG, Ford, Opel, Saab	34,00 €

DESCRIPTION

Universal set for a wide range of models

DELIVERY SCOPE

Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.8, 2.0, use as OEM KM-852, 18G1570
Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.4, 1.6, use as OEM KM-853
Right camshaft with Saab 900, 900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-2
Left camshaft with Saab 900.900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-1
Crankshaft toothed belt pulley interlock tool for TDI pump-injection engines with VW, Audi, Skoda, Seat and Ford, use as VAG T10050
Flywheel interlock tools for Citroen, Fiat and Peugeot, use as OEM 153A, 6012T, 9765.54
Flywheel holder unit for Isuzu 1.5 and 1.7 diesel, Opel 1.6, 1.7 diesel engines, Opel 1.2, 1.4, 1.6, 1.8, 2.0 OHC petrol engines, use as OEM KM-517-B



ART.NR	ITEM NAME	PRICE
BT595910	Timing chain test tool set for VAG 1.2, 1.4 TFSi	149,00 €

FOR THE FOLLOWING MODELS

Audi: A1 (2012-2015), A1 Sportback (2012-2015), A3 (2013-2015), A3 (2013-2015), A3 Sportback (2012-2015)

Seat: Ibiza (2012-2017), Leon (2012-2015), Toledo (2012-2017)

Skoda: Fabia II (2010-2015), Fabia III (2014-2017), Octavia II (2010-2013), Octavia III (2010-2015), Praktik (2010-2015), Roomster (2010-2015), Rapid (2015-2017)

Volkswagen: Golf VI & VII (2008-2015), Golf VII Kombi (2008-2017), Jetta (2012-2017), Polo (2012-2017), Sportsvan (2014-2017)

DESCRIPTION

For checking the timing chain elongation on VAG 1.2 and 1.4L TFSi engines

Prevents costly repairs at a later stage due to the timing chain slipping

DELIVERY SCOPE

Timing chain test tool set, use as OEM T10550

Comprises the following tools: Camshaft fixing tool, use as OEM T10550/1; indicator, use as OEM T10550/2; scale sleeve with crankshaft pulley plate, use as OEM T10550/3



ART.NR	ITEM NAME	PRICE
BT591094	Crankshaft locking tool for VAG 1.4, 1.6, 2.0 TDI (EA288)	31,00 €

FOR THE FOLLOWING MODELS

For the following vehicles: 1.4 TDI Audi A1, 1.4 TDI Seat Ibiza, Toledo IV, 1.4 TDI Skoda Fabia III, Rapid (2012), 1.4 TDI VW Polo V, 1.6 TDI Audi A1, A3 8V, A4 B9, Q2. o 1.6 TDI Seat Leon III, Toledo IV, Ateca, 1.6 TDI Skoda, Octavia III, Rapid (2012), Superb III, Karoq, o 1.6 TDI VW Beetle, Golf VII, Jetta VI, Tiguan, Touran II, T-Roc, Passat B8, CC, Scirocco III, 2.0 TDI Audi A3 8V, A4 B9, Q2, 2.0 TDI Seat Leon III, Ateca, Alhambra II, 2.0 TDI Skoda Octavia III, Superb III, Kodiak, Karoq, 2.0 TDI VW Beetle, Golf VII, Jetta VI, Tiguan, Tiguan II, Touran II, T-Roc, Sharan II, Passat B8, CC, Scirocco III, Arteon, T6, Caddy, Crafter, Amarok

DESCRIPTION

For adjusting and locking the crankshaft e.g. when working on the camshaft drive or replacing the cylinder head seal

Suitable for: TDI common rail engines in the EA288 series

Use as OEM T10490



ART.NR	ITEM NAME	PRICE
BT596015	Timing chain tension lever for VAG 1.8, 2.0 TFSi	32,00 €

FOR THE FOLLOWING MODELS

Audi A3, A3 Cabrio, TT, Q3

Seat Alhambra, Altea Free Track, Exeo, Leon FR, Toledo Skoda Octavia II, Superb III (3T), Yeti

Volkswagen Eos, Golf VII, Passat (B6), Passat CC, Passat Variant, Sharan, Beetle, Scirocco, Tiguan

ENGINE CODES

Engine codes (1.8 L engines): CDAA, CDHA, CDHB, CJEB, CDAB, CGYA

Engine codes (2.0 L engines): CCZA, CDNB, CDNC, CFKA, CCZC, CPSPA, CESA, CETA, CCZB, CDND, CCZD

DESCRIPTION

For pushing back the timing chain tensioner without removing the front engine cover

Needed when replacing the timing chain



ART.NR	ITEM NAME	PRICE
BT591090	Camshaft adjustment tool set for VAG	42,00 €

FOR THE FOLLOWING MODELS

Camshaft adjustment tool, use as OEM T10504

Camshaft adjustment pin, use as OEM T10504/1

Camshaft testing pin, use as OEM T10504/2

DESCRIPTION

For fixing the camshafts in place when checking and adjusting the valve timing

Suitable for 1.2, 1.4 TFSi, TFSi engines with active cylinder management ACT or COD

Engine codes: CPTA, CZEA

Installed in e.g. the following models: Audi A1 (2013-), A3 (2013-), Q3 (2014-), Volkswagen Passat (2012), Golf (2012-), Polo (2015-), Seat Leon (2014-), Ibiza (2013-), Skoda Superb (2015-)

32 pcs.

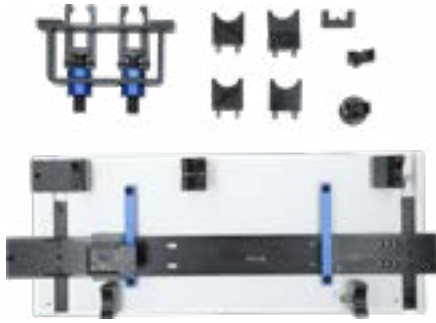
1/2" 12,5 mm

BT022032
EAN 4042146775912
1/2" bit socket set,
RIBE profile

69,- €



9x		55	M5 • M6 • M7 • M8 • M9 • M10 • M12 • M13 • M14
9x		100	M5 • M6 • M7 • M8 • M9 • M10 • M12 • M13 • M14
7x		140	M8 • M9 • M10 • M10,3 • M12 • M13 • M14
7x		200	M8 • M9 • M10 • M10,3 • M12 • M13 • M14



ART.NR	ITEM NAME	PRICE
BT595920	Camshaft assembly tool set for VAG and Porsche	549,00 €

FOR THE FOLLOWING MODELS

Suitable for the following diesel vehicles (TDI CR) from 2003 onwards: Audi, Porsche, Seat, Skoda, Volkswagen with 1.2, 1.6, 2.0, 2.7, 3.0, 4.0, 4.2 common rail engines

ENGINE CODES

Engine codes ASB, ASE, BKN, BKS, BMK, BNG, BPP, BSG, BTR, BUG, BUN, BVN, CAAA, CAAB, CAAC, CAAD, CAAE, CAGA, CAGB, CAGC, CAHA, CAHB, CAMA, CAMB, CANA, CANB, CANC, CAND, CAPA, CARA, CASA, CASB, CASC, CASD, CATA, CAYA, CAYB, CAYC, CAYD, CAYE, CBAA, CBAB, CBAC, CBBA, CBBB, CBDA, CBDB, CBDC, CCFA, CCFC, CCHA, CCHB, CCLA, CCMA, CCWA, CCWB, CDBA, CDCA, CDSB, CDTA, CDTB, CDUC, CDUD, CDYA, CDYB, CDYC, CEGA, CEXA, CFCA, CFFA, CFFB, CFFD, CFFE, CFGB, CFGC, CFGD, CFHA, CFHB, CFHC, CFHD, CFHE, CFHF, CFJA, CFWA, CGKA, CGKB, CGLA, CGLB, CGLC, CGLD, CGLE, CGQB, CJAA, CJCA, CJCB, CJCC, CJCD, CJGA, CJGC, CJGD, CJMA, CKDA, CKTB, CKTC, CKUB, CKUC, CKVB, CKVC, CLAA, CLAB, CLCA, CLCB, CLJA, CLLA, CLNA, CLZB, CMEA, CMFA, CMFB, CMGB, CMHA, CNEA, CNFA, CNRB, CRCA, CSHA, M05/9D (CAS), M05/9E, M05/9E (CRCA), M05/9E (CRCB)

DESCRIPTION

For installing the camshafts in the correct position
Needed when installing new or existing camshafts; attempting installation without this tool may lead to damage on the camshaft bearing bridge and the cylinder head

DELIVERY SCOPE

- Mounting device including pre-assembled parts, use as OEM T40094
- Camshaft clamp, use as OEM T40095
- 2 alignment clamps, use as OEM T40096, T40096/1
- 4 camshaft brackets for mounting device, use as OEM T40094/1, T40094/2, T40094/9, T40094/10
- Interlock for camshaft bracket, use as OEM T40094/11



ART.NR	ITEM NAME	PRICE
BT597150	Engine adjustment tool set for VAG 1.4, 1.6, 1.9, 2.0 SDI, TDI	18,00 €

FOR THE FOLLOWING MODELS

Audi A2 1.4 TDI (2002, 2006), A3 1.9, 2.0 TDI (2002, 2008), A4 1.6 TDI (2002, 2005), A4 1.9, 2.0 TDI (2004, 2008)
Seat Altea 1.9 SDI, TDI (2005, 2008), Leon 1.9, 2.0 TDI (2005, 2008), Toledo 1.9 SDI, TDI (2005, 2008) engine codes: BJB, BKC, BLS, BMM, BXE
Skoda Fabia 1.4 TDI (2003, 2006), Octavia! 2.0 TDI (2003, 2006), engine codes: AMF, AZV, BKD
Volkswagen Beetle 1.9 TDI (2002, 2008), Bora 1.9 TDI (2002, 2008), Fox 1.4 TDI (2002, 2008), Golf 1.9, 2.0 TDI (2002, 2008), Lupo 1.4 TDI (2002, 2008), Polo 1.4, 1.9 TDI (2002, 2008), Sharan 1.9 TDI (2002, 2008) engine codes: AJM, AMF, ANU, ARL, ASZ, ATD, AUJ, AVB, AVF, AWX, AXR, BAY, BMS, BNM, BNV, BVV

ENGINE CODES

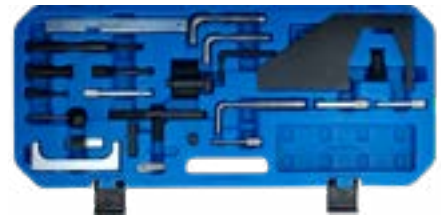
AMF, ASZ, ATD, AVB, AVF, AWX, AXR, AZV, BHC, BKC, BKD, BKE, BLB, BMN, BNA, BPW, BRB, BRC, BRD, BRE, BUY, BVA, BVF, BVG"

DESCRIPTION

For adjusting and checking the engine timing when replacing the toothed belt, camshaft etc.

DELIVERY SCOPE

- Crankshaft interlock, use as OEM T10100
- Pump wheel/camshaft interlock, use as OEM 3359, T20102, 9882, MB995206
- Crankshaft interlock, use as OEM T10050, 9883, 310-085, 23-059, MB995209
- 4 mm marking pin, use as OEM T10115, 303-1054, MB995208
- Auxiliary belt locking pin, use as OEM T10060A, T40098



ART.NR	ITEM NAME	PRICE
BT593100	Engine adjustment tool set for Ford	109,00 €

FOR THE FOLLOWING MODELS

Suitable for the following Ford engines: 1.4, 1.6 16V, 1.7, 1.8 16V, 2.0 16V (including Zetec), 1.4, 1.6, 1.8, 1.9 D/TD/TDCi

DESCRIPTION

- Contains tools for: Locking the flywheel
- Locking the crankshaft, pump shaft
- Locking the injection pump shaft
- Removing the crankshaft pulley
- Tensioning the toothed belt
- Adjustment gauge for positioning the camshaft and pump shaft in relation to the crankshaft
- Use as OEM 21-162, 21-162B, 303-367, 303-376, 23-059, 310-085, 21-168, 303-393, 23-020, 23-047, 23-020, 21-163, 303-620, 23-019, 21-210, 303-507, 21-251, 303-698, 21-262, 303-734, 23-029, 303-1061, 23-058, 310-084, 21-105, 21-262, 303-734, 21-168, 303-393, 21-263, 303-735, Mazda 49JE01061, Audi 3359, T10008, T10050, 2065A, Seat 3359, T10008, T10050, 2065A, Skoda 3359, T10008, T10050, 2065A, Volkswagen 3359, T10008, T10050, 2065A



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ŠKODA



ART.NR	ITEM NAME	PRICE
BT591070	Engine adjustment tool set for VAG 1.6, 2.0 CR TDI	79,00 €

FOR THE FOLLOWING MODELS

Audi A1, A3 (8P), A4 (B8), A5/A6 (C6, C7), TT (8J), Q3, Q5
 Skoda Fabia II, Roomster, Praktik, Octavia II, Superb II, Yeti
 Seat Ibiza (6J), Leon III, Exeo, Altea, Alhambra II
 Volkswagen Golf V, VI und Plus, Eos, Polo V/Jetta V und VI, Scirocco III, Beetle II, Caddy II, Passat B6, B7 und CC, Touran, Sharan II, T5, Amarok

ENGINE CODES

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

DESCRIPTION

Contains important tools for checking and adjusting the timing after replacing the toothed belt
 Also suitable for earlier pump/nozzle engines

DELIVERY SCOPE

Injection pump interlock, use as OEM T20102, U40074, 3359
 Crankshaft interlock, use as OEM T10050, T10100
 Ball head hexagon socket 6 mm, use as OEM T10264
 2.5 mm tension roller locking pin, use as OEM T10265
 3.9mm tension roller locking pin, use as OEM T40098
 Toothed belt pulley holding tool, use as OEM T10051
 Puller for toothed belt pulley, use as OEM T10052
 Oil pump/balance shaft adjustment tool, use as OEM T10255



ART.NR	ITEM NAME	PRICE
BT606004	Special spanner for exhaust gas temperature sensor for VAG, SW 19 mm	28,00 €

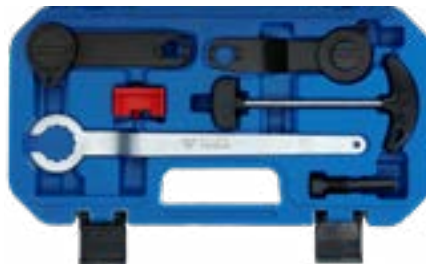
DESCRIPTION

For assembling/disassembling exhaust gas temperature sensors

Suitable for e.g. the following VAG engines: 1.8 TFSI, 2.0 TFSI, 2.0 FSI, 1.6 CRTdi, 2.0 common rail

Spanner width 19 mm

Use as OEM T10395/8, T10395/9, T10395/10



ART.NR	ITEM NAME	PRICE
BT597300	Engine adjustment tool set for VAG 1.0, 1.2, 1.4	72,00 €

FOR THE FOLLOWING MODELS

Suitable for the following VAG (EA211) engines with toothed belt: 1.0 MPI 3-cylinder, engine code CHYA, 1.0 TSI 3-cylinder, engine code CHZE, CHZC, CHZA, CHZB, CHZC, CHZD, CHZJ, 1.2 TSI 4-cylinder, engine code CJZB, CJZC, CYVA, CJZA, CJZD, CYVB, 1.4 TSI 4-cylinder, engine code CZCC, CMBA, CZCA, CHPA, CPTA (with ACT), CZDA, CVNA, CZEA (with ACT)

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Crankshaft interlock bolt, use as OEM T10340
 Camshaft adjustment plate, use as OEM T10477
 Camshaft wheel interlock, use as OEM T10476
 Tensioning insert spanner, use as OEM T10499
 Camshaft adjustment plate, use as OEM T10494
 Assembly tool, use as OEM T10487



ART.NR	ITEM NAME	PRICE
BT595850	Camshaft control valve inserts for VAG 1.8, 2.0 TFSI, TSI	14,00 €

DESCRIPTION

For fitting/removal of the 4/3-way central valve of the camshaft adjustment

Suitable for 1.8, 2.0 L 4-cylinder fuel injection and direct injection engines with timing chain, installed in the following models:

Audi A3, A4, A5, Q5, TT, Seat Altea, Leon, Toledo, Exeo, Skoda Octavia II, Superb II, Yeti, Volkswagen Eos, Golf, Jetta, Passat, Scirocco, Sharan, Tiguan



ART.NR	ITEM NAME	PRICE
BT541061	Bit insert, length 54 mm, 12.5 mm square drive (1/2") for VAG Polydrive	4,00 €

DESCRIPTION

Special insert for loosening and tightening the fixing screw of the camshaft adjuster for VAG 4-cylinder fuel injection engine (2.0 l direct injection engine)

Special spline profile

Use as OEM: T40080

With knurled grip

Dimensions: M10

DELIVERY SCOPE

3 special inserts, 10 mm (3/8") drive
 Special insert for camshaft control valves, use as OEM T10352
 Special insert for camshaft control valves, use as OEM T10352/1
 Special insert for camshaft control valves, use as OEM T10352/2



FITS FOR: Audi Volkswagen SKODA SEAT

ART.NR	ITEM NAME	PRICE
BT591960	Vibration damper tool set for VAG 1.8, 2.0 TFSI	145,00 €

ENGINE CODES

Engine codes for 1.8L TFSI: BZB, CDAA, BPU, BYT, CABA, CABB, CDHA, CDHB, CABD, DAJB, CJSA, CJSB, CJEB, CJEE, CJED, CYGA, CDAC, CJSC, CGYA, DAJA

Engine codes for 2.0L TFSI: CAWB, CCZA, CBFA, CGTA, CDNB, CDNC, CDND, CJXA, CJXE, CJXH, CHHB, CHHA, CULA, CFKA, DEDA, CHJA, CAWA, CCZC, CCZD, CPSA, CJKA, CJKB, CESA, CETA, CFPA, CNCD, CPLA, CYRB, CYRC; CNCE, CYNB, CYP A, CULB, CULC, CNCB, CWZA, CJXF, CJXC, CJXB, CJXG, CHHC, CCZB

DESCRIPTION

Prevents the timing chain sprocket from turning when the vibration damper is being removed or installed

Suitable for Volkswagen, Audi, Skoda and Seat models with 1.8 and 2.0L TFSI engine with chain drive

DELIVERY SCOPE

Vibration damper holding tool, use as OEM T10531/1

Crankshaft wheel clamping bolt, use as OEM T10531/2

Nut for crankshaft wheel holding tool, use as OEM T10531/3

Adapter piece for crankshaft wheel holding tool, use as OEM T10531/4



FITS FOR: Audi Volkswagen SKODA SEAT

ART.NR	ITEM NAME	PRICE
BT561005	Ignition coil disassembly tool for VAG	16,00 €

DESCRIPTION

For disassembling ignition coils mounted directly on the spark plug

Suitable for e.g. the following models from year of construction 2013 onwards: VW Golf, Audi A3, Seat Leon, Škoda Octavia with FSI engines 1.2, 1.4, 2.0 with timing chain



FITS FOR: SKODA Audi Volkswagen

ART.NR	ITEM NAME	PRICE
BT591030	Engine adjustment tool set for VAG	59,00 €

FOR THE FOLLOWING MODELS

Audi A3 1.8 Turbo (AGN AGU AJQ APG APP AGA ARX ARY ARZ AUM AUG) 1996-2003, A3 1.6 FSI (BAG) 2003-2006, S3 1.8 Turbo (AMK APY BAM) 1996, A4 1.8 Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006, A6 1.8 Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006, Cabriolet 1.8 (ADR) 1997-2000, TT 1.8 Turbo (AJQ APP APX AUM AUG BAM) 1998-2006

Volkswagen Beetle 1.8 Turbo (AVC) 1999-2006, Touran 1.6 FSI (BAG BLP) 2003-2007, Golf 1.8 Turbo (AGN AGU AQA ARZ AUM AUQ) 1997-2005, Bora 1.8 Turbo (AGN AGU AQA ARZ AUM AUQ) 1997-2005, Passat 1.8 Turbo (ADR AEB ANB APT APU ARG AWT) 1996-2005, Sharan 1.8 Turbo (AJH AWC) 1997-2007

Seat Ibiza 1.8 Turbo (AQX AYP) 1999-2002, Cordoba 1.8 Turbo (AQX AYP) 1999-2002, Leon 1.8 Turbo (AJQ AQN APG APP APT ARYAUG) 1999-2005, Toledo Turbo (AQN APG APT ARY AUQ) 1999-2005, Alhambra 1.8 Turbo (AJW AWC) 1997-2007

Skoda Octavia 1.8 FSI Turbo (AGN AGU ARX ARZ AUM) 1996-2005, Octavia 1.8 Turbo 20V RS (AUG) 2000-2006, Octavia 1.6 FSI (BLF) 2004-2007

ENGINE CODES

Suitable for 1.8 L turbo and 1.6 L FSI engines

DELIVERY SCOPE

Counter support for crankshaft, use as OEM 3036

Camshaft fixing tool, use as OEM T10171

Counter support for drive sprockets of oil pump gear, camshaft, vibration damper, use as OEM T10172

Adapter pieces for counter support, use as OEM T10172

Chain tensioner bracket for installation and removal of the chain tensioner, use as OEM T20018, 3366

Tension roller element fixing pin, use as OEM T40011



FITS FOR: Audi Volkswagen SKODA SEAT

ART.NR	ITEM NAME	PRICE
BT597010	Engine adjustment tool set for VAG FSI, TSI 1.4, 1.6 (with timing chain)	29,00 €

FOR THE FOLLOWING MODELS

Audi A3 (2003-2010)

Seat Ibiza, Leon, Altea

Skoda Octavia (2004-2009), Fabia (2007-2009), Superb (2009-2010), Roomster (2006-2009)

Volkswagen Golf (2003-2009), Golf Plus (2005-2009), Jetta (2006-2009), Passat (2005-2009), Polo (2002-2008), Scirocco (2009-2010), Tiguan (2007-2009), Touran (2003-2009), Eos (2006-2009)

ENGINE CODES

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

DESCRIPTION

For checking and adjusting the timing

Needed e.g. when replacing the timing chain

Suitable for VAG FSI and TFSI 1.4 and 1.6 L engines

DELIVERY SCOPE

Camshaft locking device, use as OEM T10171

Dial gauge bracket, use as OEM T10170

Crankshaft interlock, use as OEM T10340

Hydraulic tensioner interlock, use as OEM T40011





ART.NR	ITEM NAME	PRICE
BT597500	Engine adjustment tool for VAG 1.2, 1.4, 1.6 FSI, 1.4 TSI	73,00 €

FOR THE FOLLOWING MODELS

Audi A1, A3, A3 Sportback, A3 Cabriolet
Seat Altea, Altea XL, Ibiza, Ibiza Sport Coupe, Leon, Toledo
Skoda Fabia, Fabia, Octavia, Rapid, Roomster, Yeti
VW New Beetle, Caddy, Golf, Golf Plus, Golf Cabriolet, Golf Variant, Jetta, Polo, Touran

ENGINE CODES

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

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Camshaft locking device, use as OEM T10171
Dial gauge, use as OEM T10170 (dial gauge holder with 274 mm total length, exterior thread M14 x 1.25 mm)
Crankshaft interlock, use as OEM T10340
Hydraulic tensioner interlock, use as OEM T40011 (8 mm tension shaft)
Precision dial gauge for locating the piston OT (resolution: 0.01 mm / measuring range: 0-8 mm / diameter: 41 mm)
2x crankshaft wheel locking pin, use as OEM T10341 (two guide bolts with 135 mm length, 24 mm long exterior thread M8 x 1.25 mm, reciprocal external hex with 6 mm width between flats)
Camshaft interlock, use as OEM T10414



ART.NR	ITEM NAME	PRICE
BT596004	Tensioning spanner for VAG	13,00 €

DESCRIPTION

For adjusting the tensioner pulley
Use as OEM T10020



ART.NR	ITEM NAME	PRICE
BT597000	Engine adjustment tool set for VAG	29,00 €

FOR THE FOLLOWING MODELS

Volkswagen: Polo 1.2 L, 6V, 3-cylinder, engine code AWY, BMD, BBM, Polo 1.2 L, 12V, 3-cylinder, engine code AZQ, BME, BZG, CGPA, CGPB
Skoda: Fabia 1.2 L, 6V, 3-cylinder, engine code AWY, BMD, Fabia 1.2 L, 12V, 3-cylinder, engine code AZQ, BME, BZG, CEVA, CGPA, CGPB, Rapid 1.2 L, 12V, 3-cylinder, engine code CGPC, Roomster 1.2 L, 12V, 3-cylinder, engine code BME, BZG, CGPA, Praktik Rapid 1.2 L, 12V, 3-cylinder, engine code BZG, CGPA
Seat: Ibiza 1.2 L, 12V, 3-cylinder, engine code AZQ, BME, BXV, BZG, CGPA, CGPB, Cordoba 1.2 L, 12V, 3-cylinder, engine code AZQ, BME, BXV

DELIVERY SCOPE

Camshaft interlock, use as OEM T10123
Camshaft interlock, use as OEM T10120
Crankshaft interlock, use as OEM T10121



ART.NR	ITEM NAME	PRICE
BT596003	Cam shaft arresting tool	11,00 €

FOR THE FOLLOWING MODELS

VAG 1.4i, 1.6i 16V

ENGINE CODES

ARC, AUB, AUA, AUS, APE, ATN, AVY, AFK, AHW, APE, AQQ, AJV, AKQ, AZD

DESCRIPTION

For adjusting the camshaft e.g. when replacing the toothed belt
Use as OEM T10016



ART.NR	ITEM NAME	PRICE
BT597800	Engine adjustment tool set for VAG	139,00 €

FOR THE FOLLOWING MODELS

1.9L, 2.0L TDI pump/nozzle
1.9L TDI
2.5L V6-TDI
3.3L V8-TDI
1.2L 3-cylinder and 1.4, 1.6L petrol engines

DELIVERY SCOPE

Camshaft adjustment gauge (e.g. VW 1.9 I TDI)
Toothed belt pulley interlock tool (e.g. VW, Skoda 1.9L, 2.0L TDI pump/nozzle)
Camshaft interlock tool (e.g. VW, Audi 2.5L V6 TDI)
3-way adjustable toothed belt tension roller spanner (universal, for VW, Audi)
Interlock mandrel for injection pump wheel (e.g. VW, Audi, Seat, Skoda amongst others)
Retaining plate for toothed belt tensioning device (VW, Skoda 4-cylinder TDI pump/nozzle)
Open plug-in unit SW22 for assembly and disassembly of diesel injection nozzles
Camshaft adjustment tools, use as OEM T10123, T10120, 3458, 3418, 2065A, 3366, T10098, 3418
Crankshaft adjustment tools, use as OEM T10121, 3242, T10050, T10100
Tensioning roller interlock tools, use as OEM T10060A, T10020, T10008, T40011
Injection pump interlock tools, use as OEM 3359, 2064



ART.NR	ITEM NAME	PRICE
BT595700	Camshaft locking tool set for VAG, Ford, Opel, Saab	34,00 €

DESCRIPTION
Universal set for a wide range of models

DELIVERY SCOPE

- Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.8, 2.0, use as OEM KM-852, 18G1570
- Camshaft interlock for Opel Calibra, Omega, Sintra, Vectra -1.4, 1.6, use as OEM KM-853
- Right camshaft with Saab 900, 900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-2
- Left camshaft with Saab 900.900 -2.5, 3.0, Opel Calibra, Sintra, Vectra -2.5, 3.0, use as OEM KM-800-1
- Crankshaft toothed belt pulley interlock tool for TDI pump-injection engines with VW, Audi, Skoda, Seat and Ford, use as VAG T10050
- Flywheel interlock tools for Citroen, Fiat and Peugeot, use as OEM 153A, 6012T, 9765.54
- Flywheel holder unit for Isuzu 1.5 and 1.7 diesel, Opel 1.6, 1.7 diesel engines, Opel 1.2, 1.4, 1.6, 1.8, 2.0 OHC petrol engines, use as OEM KM-517-B



ART.NR	ITEM NAME	PRICE
BT596005	Tension pulley spanner, 12-pointal, SW 32 mm	6,00 €

FOR THE FOLLOWING MODELS

- Audi 100 from 1991 onwards, A4, A6 2.5 TDI 5-cylinder
- VW Polo Diesel, Lupo from 1999 onwards, LT and T4 2.5 TDI

DESCRIPTION

For actuating the automatic tension roller while replacing the toothed belt



ART.NR	ITEM NAME	PRICE
BT595900	Engine adjustment tool set for VAG 1.2 TSI, TFSI	21,00 €

FOR THE FOLLOWING MODELS

- VAG 1.2 TSI, TFSI with engine codes CBZA, CBZB, CBZC
- Audi models A1 and A3
- VW New Beetle, Caddy, Golf, Jetta, Polo, Touran
- Skoda Fabia II, OctaviaII, Praktik, Rapid, Roomster, Yeti
- Seat Altea, Ibiza, Leon, Toledo

DESCRIPTION

For locking the camshaft and crankshaft while changing the timing chain, replacing the cylinder head seal etc.

DELIVERY SCOPE

- Crankshaft lock, use as OEM T10340
- Camshaft interlock, use as OEM T10414
- Guide bolt, use as OEM-T10341



ART.NR	ITEM NAME	PRICE
BT596006	Camshaft sprocket locking tool for VAG 1.0	4,00 €

FOR THE FOLLOWING MODELS

- Seat Mii 1.0 (3-cylinder)
- Skoda Citigo 1.0 (3-cylinder)
- Volkswagen Up 1.0 (3-cylinder)

DESCRIPTION

For locking the camshafts in the adjustment position
Needed when checking and adjusting the engine timing
Use as OEM T10476



ART.NR	ITEM NAME	PRICE
BT671900	Front axle transverse link bush tool for VAG	65,00 €

FOR THE FOLLOWING MODELS

- Seat Cordoba III (from 2003 onwards), Skoda Fabia (from 2000 onwards), VW Polo IV (from 2002 onwards)

DESCRIPTION

For disassembly/assembly of the rear bush at the lower front axle transverse link
Suitable for application on the vehicle without disassembly of the transverse link
Spindle nut with 24 mm hex



ART.NR	ITEM NAME	PRICE
BT546004	Crankshaft sealing ring assembly tool for VAG 1.4 and 1.6 16V	130,00 €

FOR THE FOLLOWING MODELS

- Seat Arosa, Ibiza, Cordoba, Leon, Toledo, Inca
- Skoda Fabia, Octavia, Roomster
- VW Lupo, Polo, Golf, Bora, Beetle, Caddy

ENGINE CODES

Engine codes: CHYA, CHYB, CPGA

DESCRIPTION

For fitting the radial sealing ring on the transmission
Attempting to fit the sealing ring without this tool may lead to leaks, destruction of the new sealing ring, and poor engine running
Suitable for VAG vehicles with 1.4 and 1.6 16V engines
Use as OEM T10017





ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt

Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm

Single camshaft locking tool with short and long locking screw



ART.NR	ITEM NAME	PRICE
BT561006	Ignition coil extractor for VAG	23,00 €

DESCRIPTION

For pulling off ignition coils on VAG models from year of construction 2013 onwards

Pin-shaped for insertion into the ignition coil fixing hole

Suitable for 4-cylinder 1.2, 1.4, 1.8, 2.0 FSI, TFSI engines, installed in e.g. VW Golf, Audi A3, Seat Leon, Skoda Octavia

Use as OEM T10530



ART.NR	ITEM NAME	PRICE
BT595800	Engine adjustment tool set for Volkswagen 1.2	11,00 €

DELIVERY SCOPE

Can also be used as a replacement for Art. BT597800

Use as OEM T10123



ART.NR	ITEM NAME	PRICE
BT591090	Camshaft adjustment tool set for VAG	42,00 €

FOR THE FOLLOWING MODELS

Camshaft adjustment tool, use as OEM T10504

Camshaft adjustment pin, use as OEM T10504/1

Camshaft testing pin, use as OEM T10504/2

DESCRIPTION

For fixing the camshafts in place when checking and adjusting the valve timing

Suitable for 1.2, 1.4 TSi, TFSi engines with active cylinder management ACT or COD

Engine codes: CPTA, CZEA

Installed in e.g. the following models: Audi A1 (2013-), A3 (2013-), Q3 (2014-), Volkswagen Passat (2012), Golf (2012-), Polo (2015-), Seat Leon (2014-), Ibiza (2013-), Skoda Superb (2015-)



ART.NR	ITEM NAME	PRICE
BT596015	Timing chain tension lever for VAG 1.8, 2.0 TFSi	32,00 €

FOR THE FOLLOWING MODELS

Audi A3, A3 Cabrio, TT, Q3

Seat Alhambra, Altea Free Track, Exeo, Leon FR, Toledo

Skoda Octavia II, Superb III (3T), Yeti

Volkswagen Eos, Golf VII, Passat (B6), Passat CC, Passat Variant, Sharan, Beetle, Scirocco, Tiguan

ENGINE CODES

Engine codes (1.8 L engines): CDAA, CDHA, CDHB, CJEB, CDAB, CGYA

Engine codes (2.0 L engines): CCZA, CDNB, CDNC, CFKA, CCZC, CPSA, CESA, CETA, CCZB, CDND, CCZD

DESCRIPTION

For pushing back the timing chain tensioner without removing the front engine cover

Needed when replacing the timing chain





ART.NR	ITEM NAME	PRICE
BT595910	Timing chain test tool set for VAG 1.2, 1.4 TFSi	149,00 €

FOR THE FOLLOWING MODELS

Audi: A1 (2012-2015), A1 Sportback (2012-2015), A3 (2013-2015), A3 (2013-2015), A3 Sportback (2012-2015)
 Seat: Ibiza (2012-2017), Leon (2012-2015), Toledo (2012-2017)
 Skoda: Fabia II (2010-2015), Fabia III (2014-2017), Octavia II (2010-2013), Octavia III (2010-2015), Praktik (2010-2015), Roomster (2010-2015), Rapid (2015-2017)
 Volkswagen: Golf VI & VII (2008-2015), Golf VII Kombi (2008-2017), Jetta (2012-2017), Polo (2012-2017), Sportsvan (2014-2017)

DESCRIPTION

For checking the timing chain elongation on VAG 1.2 and 1.4L TFSi engines

Prevents costly repairs at a later stage due to the timing chain slipping

DELIVERY SCOPE

Timing chain test tool set, use as OEM T10550

Comprises the following tools: Camshaft fixing tool, use as OEM T10550/1; indicator, use as OEM T10550/2; scale sleeve with crankshaft pulley plate, use as OEM T10550/3



ART.NR	ITEM NAME	PRICE
BT597050	Engine adjustment tool set for Audi, VW V6 TDI	10,00 €

FOR THE FOLLOWING MODELS

Volkswagen Passat 2.5 V6 TDI
 Audi A4 2.5 V6 TDI
 Audi A6 2.5 V6 TDI
 Audi A8 2.5 V6 TDI
 Skoda Superb 2.5 V6 TDI

ENGINE CODES

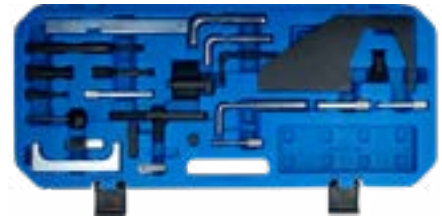
Engine code: AFB, AKN, AKE, AYM, BAU, BCZ, BDG, BDH, BFC

DESCRIPTION

For locking the crankshaft/camshaft, and for carrying out work on the engine control, e.g. replacing the toothed belt, removing the cylinder heads etc.

DELIVERY SCOPE

Crankshaft fixing mandrel, use as OEM 3242
 Camshaft interlock plates, use as OEM 3458



ART.NR	ITEM NAME	PRICE
BT593100	Engine adjustment tool set for Ford	109,00 €

FOR THE FOLLOWING MODELS

Suitable for the following Ford engines: 1.4, 1.6 16V, 1.7, 1.8 16V, 2.0 16V (including Zetec), 1.4, 1.6, 1.8, 1.9 D/TD/TDCi

DESCRIPTION

Contains tools for: Locking the flywheel

Locking the crankshaft, pump shaft

Locking the injection pump shaft

Removing the crankshaft pulley

Tensioning the toothed belt

Adjustment gauge for positioning the camshaft and pump shaft in relation to the crankshaft

Use as OEM 21-162, 21-162B, 303-367, 303-376, 23-059, 310-085, 21-168, 303-393, 23-020, 23-047, 23-020, 21-163, 303-620, 23-019, 21-210, 303-507, 21-251, 303-698, 21-262, 303-734, 23-029, 303-1061, 23-058, 310-084, 21-105, 21-262, 303-734, 21-168, 303-393, 21-263, 303-735, Mazda 49JED1061, Audi 3359, T10008, T10050, 2065A, Seat 3359, T10008, T10050, 2065A, Skoda 3359, T10008, T10050, 2065A, Volkswagen 3359, T10008, T10050, 2065A



ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear

Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly

Continuous adjustment range of the gripping arms from 42 – 82 mm

Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm

6-groove puller body with adjusting disc

Spindle, M14 x 1.5, 19 mm hex, with centring cone



9 pcs.

BT521000
EAN 4042146778906
Hose clamp plier set

83,- €

650 mm



ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt

Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm

Single camshaft locking tool with short and long locking screw



ART.NR	ITEM NAME	PRICE
BT597806	Crankshaft fixing tool for VAG 6-cylinder and 8-cylinder for Art. BT597800	6,00 €

DELIVERY SCOPE

Suitable for VW and Audi models with V6 TDI and V8 engines

For adjusting the crankshaft

Use as OEM 3242



ART.NR	ITEM NAME	PRICE
BT597150	Engine adjustment tool set for VAG 1.4, 1.6, 1.9, 2.0 SDI, TDI	18,00 €

FOR THE FOLLOWING MODELS

Audi A2 1.4 TDI (2002, 2006), A3 1.9, 2.0 TDI (2002, 2008), A4 1.6 TDI (2002, 2005), A4 1.9, 2.0 TDI (2004, 2008)

Seat Altea 1.9 SDI, TDI (2005, 2008), Leon 1.9, 2.0 TDI (2005, 2008), Toledo 1.9 SDI, TDI (2005, 2008) engine codes: BJB, BKC, BLS, BMM, BXE

Skoda Fabia 1.4 TDI (2003, 2006), OctaviaII 2.0 TDI (2003, 2006), engine codes: AMF, AZV, BKD

Volkswagen Beetle 1.9 TDI (2002, 2008), Bora 1.9 TDI (2002, 2008), Fox 1.4 TDI (2002, 2008), Golf 1.9, 2.0 TDI (2002, 2008), Lupo 1.4 TDI (2002, 2008), Polo 1.4, 1.9 TDI (2002, 2008), Sharan 1.9 TDI (2002, 2008) engine codes: AJM, AMF, ANJ, ARL, ASZ, ATD, AUY, AVB, AVF, AWX, AXR, BAY, BMS, BNM, BNV, BWV

ENGINE CODES

AMF, ASZ, ATD, AVB, AVF, AWX, AXR, AZV, BHC, BKC, BKD, BKE, BLB, BMN, BNA, BPW, BRB, BRC, BRD, BRE, BUY, BVA, BVF, BVG*

DESCRIPTION

For adjusting and checking the engine timing when replacing the toothed belt, camshaft etc.

DELIVERY SCOPE

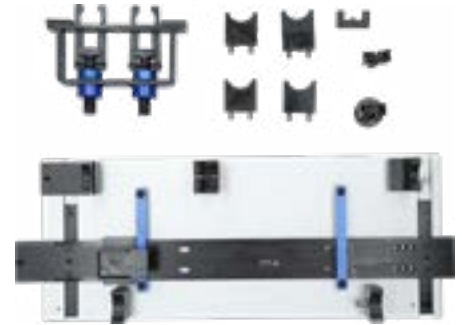
Crankshaft interlock, use as OEM T10100

Pump wheel/camshaft interlock, use as OEM 3359, T20102, 9882, MB995206

Crankshaft interlock, use as OEM T10050, 9883, 310-085, 23-059, MB995209

4 mm marking pin, use as OEM T10115, 303-1054, MB995208

Auxiliary belt locking pin, use as OEM T10060A, T40098



ART.NR	ITEM NAME	PRICE
BT595920	Camshaft assembly tool set for VAG and Porsche	549,00 €

FOR THE FOLLOWING MODELS

Suitable for the following diesel vehicles (TDI CR) from 2003 onwards: Audi, Porsche, Seat, Skoda, Volkswagen with 1.2, 1.6, 2.0, 2.7, 3.0, 4.0, 4.2 common rail engines

ENGINE CODES

Engine codes ASB, ASE, BKN, BKS, BMK, BNG, BPP, BSG, BTR, BUG, BUN, BVN, CAAA, CAAB, CAAC, CAAD, CAE, CAGA, CAGB, CAGC, CAHA, CAHB, CAMA, CAMB, CANA, CANB, CANC, CAND, CAPA, CARA, CASA, CASB, CASC, CASD, CATA, CAYA, CAYB, CAYC, CAYD, CAYE, CBAA, CBAB, CBAC, CBBA, CBBB, CBDA, CBDB, CBDC, CCFA, CCFC, CCHA, CCHB, CCLA, CCMA, CCWA, CCWB, CDBA, CDCA, CDSB, CDTA, CDTB, CDUC, CDUD, CDYA, CDYB, CDYC, CEGA, CEXA, CFCA, CFFA, CFFB, CFFD, CFFE, CFGB, CFGC, CFGD, CFHA, CFHB, CFHC, CFHD, CFHE, CFHF, CFJA, CFWA, CGKA, CGKB, CGLA, CGLB, CGLC, CGLD, CGLE, CGQB, CJAA, CJCA, CJCB, CJCC, CJCD, CJGA, CJGC, CJGD, CJMA, CKDA, CKTB, CKTC, CKUB, CKUC, CKVB, CKVC, CLAA, CLAB, CLCA, CLCB, CLJA, CLLA, CLNA, CLZB, CMEA, CMFA, CMFB, CMGB, CMHA, CNEA, CNFA, CNRB, CRCA, CSHA, M05/9D (CAS), M05/9E, M05/9E (CRCA), M05/9E (CRCB)

DESCRIPTION

For installing the camshafts in the correct position

Needed when installing new or existing camshafts; attempting installation without this tool may lead to damage on the camshaft bearing bridge and the cylinder head

DELIVERY SCOPE

Mounting device including pre-assembled parts, use as OEM T40094

Camshaft clamp, use as OEM T40095

2 alignment clamps, use as OEM T40096, T40096/1

4 camshaft brackets for mounting device, use as OEM T40094/1, T40094/2, T40094/9, T40094/10

Interlock for camshaft bracket, use as OEM T40094/11

OUTSIDE HUI, INSIDE TOO!



SUBARU



ART.NR	ITEM NAME	PRICE
BT671050	Drive shaft retractor set	89,00 €

FOR THE FOLLOWING MODELS

- M16 x 1.5 mm: for Subaru
- M20 x 1.5 mm: for VW Beetle, Touareg, Porsche Cayenne
- M22 x 1.5 mm: for BMW E30, E46
- M24 x 1.5 mm: for BMW E36, Mercedes W203
- M27 x 1.5 mm: for BMW E32, E34, E38, E39, X5
- M30 x 1.5 mm: for BMW E32, E34, E36

DESCRIPTION

- For pulling the drive shaft into the wheel hub
- In a standardised industrial bearing
- Contains 6 pulling sleeves with various threads



ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

- For locking the camshaft sprockets e.g. when replacing the toothed belt
- Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

- Double camshaft locking tool with short and long connecting arm
- Single camshaft locking tool with short and long locking screw



ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

- For pulling the pulley and camshaft gear
- Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly
- Continuous adjustment range of the gripping arms from 42 – 82 mm
- Gripping arm depth is 27 mm

DELIVERY SCOPE

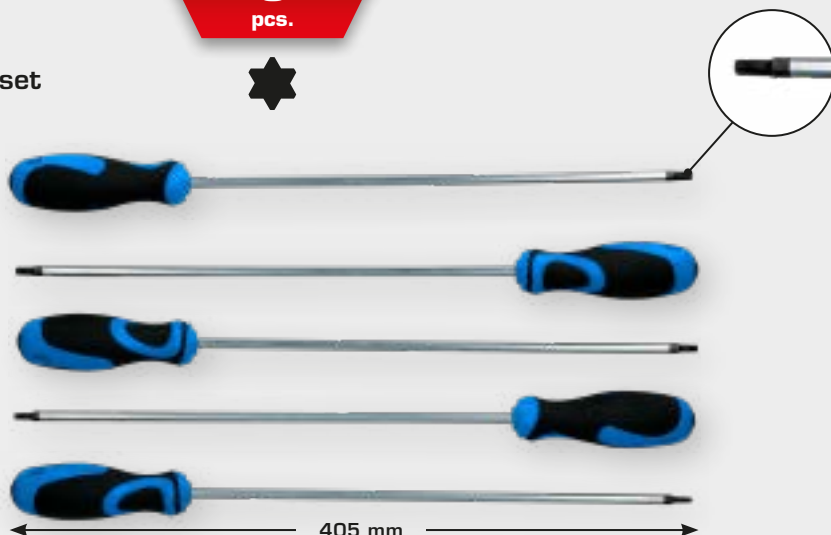
- 3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm
- 6-groove puller body with adjusting disc
- Spindle, M14 x 1.5, 19 mm hex, with centring cone

BT511005
EAN 4042146778791
Extra long TX screwdriver set

9
pcs.

T15
T20
T25
T27
T30

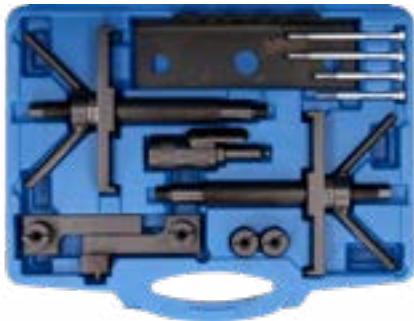
29,- €





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VOLVO



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597850	Engine adjustment tool set for Volvo 4/5/6-cylinder up to 2006	119,00 €

DESCRIPTION

For aligning the camshaft and crankshaft

Makes it possible to align the camshafts correctly, even when the valve cover is fitted

Suitable for 4, 5 and 6-cylinder DOHC engines (not 3.2L) up to 2006 on Volvo models 700, 800, 850, 900, 960, C70, S40, S60, S70, S80, S90, V70 -2000, V70XC, XC70, V90, XC90

DELIVERY SCOPE

Valve lid tool, 2 pcs, use as OEM 9995454

Crankshaft adjustment mandrel, use as OEM 9995452

Camshaft adjustment tool, use as OEM 9995451

Holder, use as OEM 9995453

2x 110 mm and 2x 85 mm screws



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT571014	Crankshaft vibration damper alignment tool for Ford, Volvo	6,00 €

DESCRIPTION

For aligning the crankshaft vibration damper (crankshaft pulley)

Needed for e.g. 1.6 L EcoBoost engines

Use as OEM Ford 303-1550 or Volvo 9997431



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597900	Engine adjustment tool set for Volvo T6	159,00 €

FOR THE FOLLOWING MODELS

Suitable for Volvo S80, XC90, XC60, XC70 with 3.0T and 3.2 T6 engine from 2007 onwards

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Crankshaft lathe tool, use as OEM 9997257, 303-1219

Camshaft adjustment tool, use as OEM 9997261, 303-1223

Tool for assembly and disassembly of the front cover, use as OEM 9997263, 303-1225

Tool for assembly and disassembly of the front cover, use as OEM 9997264, 303-1226

T-profile insert, T60, 12.5 (1/2), use as OEM 9997272

Mounting angle, use as OEM 9997271

Front cover adjustment tool, use as OEM 9997266

Front cover adjustment tool, use as OEM 9997267



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT594670	Engine adjustment tool set for Renault, Volvo, Ford 16V, 20V petrol	29,00 €

FOR THE FOLLOWING MODELS

Renault Laguna (1996, 1999), Safrane (1996, 2001) with engine codes: N7Q 704, 710, 711 N7U 700, 701

Ford Kuga (from 02/2008 onwards), Focus ST RS (from 07/2004 onwards), S-Max (from 03/2006 onwards), Galaxy (from 03/2006 onwards), Mondeo (from 02/2007 onwards) with engine codes: JZDA, HYDB, HYDC, HUWA

Volvo 850 (1992, 1997), C70 (1998, 2002), S40 (1996, 2004), V40 (1996, 2004), S60 (2001, 2005), S70 (1997, 2000), S80 (1999, 2005) with engine codes: B4164 S/S2, B4184 S/S2/S3/S9/S10, B4194 T/T2, B4204 S/S2/T/T2/T3/T5, B5202 FS, B5204 FT/T2/T3/T4/T5, B5234 T3/T4/T5/T6/T7/T8/T9, B5244 S/S2/S6/S62/T3/T4/T5/T7, B5252 FS, B5254 T/T2/T4

DESCRIPTION

Contains important tools for adjusting the engine timing

1.6, 1.8, 1.9, 2.0, 2.3, 2.4, 2.5L DOHC engines

DELIVERY SCOPE

Camshaft retainer, use as OEM MOT1337, 999-5452, 303-1178

Tension roller key, use as OEM MOT1348

Flywheel retainer, use as OEM MOT1340, 999-5451, 303-1182





FITS FOR:



ART.NR	ITEM NAME	PRICE
BT594650	Engine adjustment tool set for Renault	159,00 €

FOR THE FOLLOWING MODELS

Renault petrol engines 1.4, 1.6, 1.8, 2.0 l, each with 16V technology
 Renault petrol engines 2.5 l, 20V with dual camshafts
 Renault petrol engines 1.2, 1.4, 1.6, 1.7, 1.8, 2.0, 2.2 l
 Renault diesel engines 1.9, 2.5, 2.8 l
 Also for Opel Arena, Movano and Volvo V40, S40

DESCRIPTION

Locking the flywheel
 Locking the crankshaft, injection pump shaft
 Removing the crankshaft pulley
 Tensioning the toothed belt
 Adjustment gauge for positioning the camshaft and pump shaft in relation to the crankshaft
 Use as OEM tools MOT1348, MOT1312, MOT1135-01, MOT1384, MOT1337, MOT1496, MOT910-1, MOT910, MOT861, MOT863, MOT1054, MOT1318, MOT1489, MOT1340, MOT1386, MOT1490, MOT1490-1, KM6031



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT592880	Engine adjustment tool set for Rover, Peugeot, Ford, Volvo 2.0, 2.2 l D	12,00 €

FOR THE FOLLOWING MODELS

Peugeot 807 (2005, 2011), 407 (2005, 2011), 607 (2005, 2009), engine DW10UTED4 (RHK), DW10BTED4 (RHR)/DW12BTED4 (4HS), (4HP), (4HT), (4HR)
 Citroën C4 (2004, 2010), C5 II (2004, 2010), engine DW10BTED4 (RHR)
 Land Rover Freelander (2006, 2010), engine DW12BTED4, 224DT
 Volvo S40 (2003, 2010), V50 (2006, 2010), C70 (2006, 2010), S80 (2007, 2010), C30 (2006, 2010), V70 (2007, 2010), engine D420T 2.0D
 Ford S-Max 2.2 (2008, 2010), Galaxy 2.2 (2008, 2010), Mondeo 2.2, 2.0 (2007, 2010)

ENGINE CODES

Engine codes: QXBA(2.2), QXWA(2.0), QXBB(2.0), Q4BA(2.2), QXWA(2.0), QXWB(2.0), AZBA(2.0), AZBC(2.0), AZWA(2.0)

DESCRIPTION

Makes it easier to check and adjust the engine timing

DELIVERY SCOPE

Camshaft interlock, use as OEM PSA 0188.M, Ford 303-735, 303-1277, Volvo 999-7122
 Crankshaft interlock, use as OEM PSA 0188.X, Ford 303-1059, 303-1270, Volvo 999-7121
 Flywheel interlock, use as PSA 0188.F, Ford 303-393A, 303-393-01, 303-1272, Volvo 999-7119/7120



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT597920	Engine adjustment tool set for Volvo B4204	310,00 €

DESCRIPTION

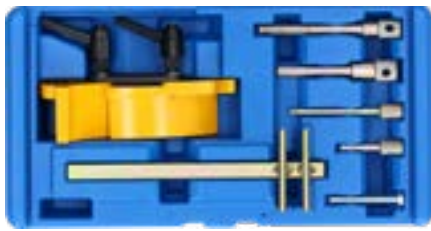
For adjusting and checking the engine timing
 Needed e.g. when working on the valve train and replacing the cylinder head seal
 Suitable for Volvo B4204 engine (8-speed gearbox)

DELIVERY SCOPE

Crankshaft counter support, use as OEM 9997495
 Crankshaft wheel extractor, use as OEM 9997493
 Radial sealing ring assembly too, use as OEM 9997496
 Camshaft sprocket tool, use as OEM 9997497
 Camshaft adjustment tool, use as OEM 9997490

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ART.NR	ITEM NAME	PRICE
BT594570	Engine adjustment tool set for Renault, Opel, Volvo, Mitsubishi, Chrysler	41,00 €

FOR THE FOLLOWING MODELS

Renault: Clio (1990-2013), Espace, Grand Espace (1996-2002), Extra, Rapid, Express (1991-2002), Kangoo (1998-2009), Laguna (1994-2001), Megane (1995-2003), Scenic (1996-2003), Modus, Grand Modus II (2004-2013), Safrane (1992-2001), Trafic (1997-2000), Master II (2000-2003), Twingo (2000-2013), Wind (2011-2013)

Opel: Arena (1997-2001), Movano-A (1999-2006), Vivaro (2001-2007)

Volvo: S40 (1996-2004), V40 (1996-2004)

Mitsubishi: Carisma (2001-2005), Space Star (2000-2006)

Chrysler: Cherokee (1984-1995), Wrangler (1988-1995)

ENGINE CODES

E7F 1.2: 700, 704, 706, 708, 750

D4F 1.2 16v: 702, 704, 706, 708, 712, 714, 716, 722, 728, 730, 740, 742, 764, 772, 780, 782, 784, 786

E7J 1.4: 601, 624, 626, 634, 635, 710, 711, 716, 718, 719, 754, 756, 757, 764, 780

F3P 1.8: 674, 676, 678, 710, 712, 714, 720, 724, 755, 758, B670, Q7, R7, S724

F7P 1.8 16v: 720, 722

F8Q 1.9D/Di/Turbo: 600, 606, 620, 622, 624, 630, 632, 644, 646, 648, 662, 672 /676, 678, 680, 682, 684, 692 /696, 714, 722, 724, 730, 732, 776, 784, 786, 788, 790, B640

F9Q 1.9D dTi: F9Q1, F9Q2, 710, 716, 717, 720, 722, 730, 731, 734, 736, 744, 760, 762, 770, 774, 780, 782, 790 D4192T, D4191T2 D4192T3, D4192T4

F3R 2.0: 611, 722, 723, 742, 750, 751, 752, 768, 769, 791, 796, 797, 798

J7R 2.0: 732, 733, 734, 735

F7R 2.0 16V: 700, 714, D710

J7T 2.2 16V: 760, 761

G8T 2.2D/Turbo: 706, 714, 716, 740, 752, 760, 790, 792, 794

DESCRIPTION

For adjusting the engine timing on Renault petrol and diesel engines

DELIVERY SCOPE

- Camshaft locking tool, adjustable for DOHC engines
- Injection pump wheel fixing mandrel, use as OEM Mot.910
- Tension roller key, use as OEM Mot1135-01
- Crankshaft fixing mandrel, use as OEM Mot.1318
- Crankshaft fixing mandrel, use as OEM Mot.1054
- Crankshaft fixing mandrel, use as OEM Mot.910



ART.NR	ITEM NAME	PRICE
BT592810	Camshaft holding tool and crankshaft sealing ring tool set for Ford, Volvo 2.5 Turbo	91,00 €

FOR THE FOLLOWING MODELS

Suitable for the following vehicles: Ford Focus (2005-2011), Galaxy (2006-2010), Kuga (2009-2013), Mondeo (2007-2010), S-Max (2006-2010), Volvo C30 (2006-2013), C70 (2006-2013), S40 (2003-2012), S60 (2003-2016), S80 (2003-2012), V40 (2012-2015), V50 (2004-2012), V70 (2002-2012), XC60 (2014-2016), XC70 (2002-2007), XC90 (2002-2014)

ENGINE CODES

Engine codes: HYDA, HYDB, HUBA, B5254T10, B5254T11, B5254T12, B5254T14, B5254T2, B5254T3, B5254T4, B5254T5, B5254T6, B5254T7, B5254T8, B5254T9

DESCRIPTION

For holding the camshaft in place when checking the valve clearance and fitting the front camshaft radial sealing ring

Suitable for: Ford & Volvo 2.5L Duratec-VE (VI5) Turbo petrol engines

DELIVERY SCOPE

- Camshaft holder, use as OEM 303-1183, 9995765
- Crankshaft sealing ring inserter, use as OEM 303-1180
- Crankshaft sealing ring guide, use as OEM 303-1180



ART.NR	ITEM NAME	PRICE
BT593040	Engine adjustment tool set for Ford 2.5, Volvo 1.6, 2.5 and 2.4D	132,00 €

FOR THE FOLLOWING MODELS

Ford Focus 2.5 RS, ST, Mondeo 2.5, S-Max 2.5, Galaxy 2.5 ST (from 2005 onwards)

Volvo C30 (2006, 2010), C70 (1998, 2010), S40 (1996, 2010), S60 (2000, 2009), S70 (1997, 2007), S80 (1998, 2006), V40 (1996, 2010), V50 (2004, 2010), V70 (1997, 2007), XC70 (2002, 2007), XC90 (2002, 2010)

ENGINE CODES

Ford engine codes: 2.5 Turbo (Euro 4), HUBA, HUWA, HYDA, JZDA

Engine codes: 1.6 (B4164S), 1.8 (B4184S), 1.9T (B4194T), 2.0 (B4204S, B4204T), 2.0T (B5204T3, B5204T4, B5204T5), 2.3 (B5234FS), 2.3T (B5234T3, B5234T7, B5234T9), 2.4 (B5244S, B5244S2, B5244S4, B5244S5, B5244S7), 2.4T (B5244T, B5244T3, B5244T4, B5244T5, B5244T7), 2.5R (B5254FS), 2.4D (D5244T9, D5244T8, D5244T13)

DESCRIPTION

For adjusting the camshaft and crankshaft when replacing the cylinder head seal

DELIVERY SCOPE

- Crankshaft pulley holding tool, use as OEM 999 5433, 303-1179
- Camshaft alignment tool, use as OEM 303-1178
- Crankshaft alignment tool, use as OEM 303-1182
- Camshaft holder, use as OEM 303-1183





ART.NR	ITEM NAME	PRICE
BT592860	Engine adjustment tool set for Ford TDCi, PSA Hdi, Mazda D 1.4, 1.6	5,00 €

DESCRIPTION
For adjusting the engine timing when replacing the camshaft, cylinder head seal etc.

ART.NR	ITEM NAME	PRICE
BT594460	Engine adjustment tool set for PSA 2.5, 2.8 l diesel	12,00 €

FOR THE FOLLOWING MODELS
Citroen, Peugeot, Fiat, Iveco Traffic (1980-2000), Master (1980-2007), Mascot (1999-2007)

FOR THE FOLLOWING MODELS

Citroen 1.4Hdi DV4TD (8HT/8HW/8HX/8HZ), 1.4Hdi DV4TED4 (8HV/8HY), 1.6Hdi DV6TED4 (9HY/9HZ), 1.6Hdi DV6ATED4 (9HW/9HX), 1.6Hdi DV6UT-ED4(9HU)

Mazda 1.4CiTD F6JA, F6JB 1.6CiTD Y6

Peugeot 1.4Hdi DV4TD (8HT/8HW/8HX/8HZ), 1.4Hdi DV4TED4 (8HV/8HY), 1.6Hdi DV6TED4 (9HY/9HZ), 1.6Hdi DV6ATED4 (9HW/9HX), 1.6Hdi DV6UT-ED4(9HU)

Ford 1.4TDCi F6JA, F6JB, F6JC, F6JD 1.6TDCi G8DA, G8DB, HHDA 1.6TDCi HHDB, HHJA, HHJB, HHJD

Volvo 1.6D D4164T

DELIVERY SCOPE

Flywheel locking bolt, use as OEM PSA 0194-C, Ford 303-734 (21-262), Volvo 999-7169, Mazda 49 JE02 020

Crankshaft and high-pressure pump wheel locking pin, 2 pcs, use as OEM PSA 0194-A, Ford 303-732 (21-260), Volvo 999-7233, Mazda 49 JE02 018

Crankshaft and high-pressure pump wheel locking pin, 2 pcs, use as OEM PSA 0194-A, Ford 303-732 (21-260), Volvo 999-7233, Mazda 49 JE02 018

Fiat, PSA, Renault Daily (1991-2005), Turbo Daily (1994-2000), Relay, Jumper (2001-2002) Boxer (2000-2006), Arena (1997-2001), Movano (1998-2003)

DESCRIPTION

Use as OEM Fiat 1 870 667 000, 1 870 765 001, 1 860 617 000, Renault MOT861, MOT1054, MOT863, Opel KM6031, Ford 21-260, 303-732, Peugeot 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Citroen 0132AB, 5711TD, 4527TS2, 0178D, 0194A, 119790, Mazda 49 JE 02018, 0991246510, Volvo 999-7169

DELIVERY SCOPE

2 locking bolts
Flywheel locking bolt
Holding tool for toothed belt tensioner



**OUR PACE:
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OUR TECHNOLOGY:
INNOVATIVE**

VOLKSWAGEN



ART.NR	ITEM NAME	PRICE
BT551340	Alignment and O-ring assembly set for VAG pump/nozzle unit	60,00 €

FOR THE FOLLOWING MODELS

5-cylinder and 10-cylinder VW Phaeton, Touareg from year of construction 2003 onwards, T5 from year of construction 2004 onwards, etc.

4-cylinder VW Golf, Touareg, Audi A3 from year of construction 2004 onwards, etc.

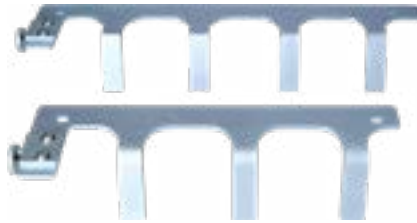
DESCRIPTION

Enables precise positioning of the pump/nozzle unit and damage-free fitting of the O-rings

An incorrectly installed pump/nozzle unit entails a risk of damage to the cylinder head and the pump/nozzle unit itself

DELIVERY SCOPE

- Adjustment gauge, steel, use as OEM T10210
- O-ring fitting sleeve, brass, use as OEM T10056/1
- O-ring fitting sleeve, brass, use as OEM T10056/2
- O-ring fitting sleeve, brass, use as OEM T10056/3
- O-ring fitting sleeve, brass, use as OEM T10164/1
- O-ring fitting sleeve, brass, use as OEM T10164/2

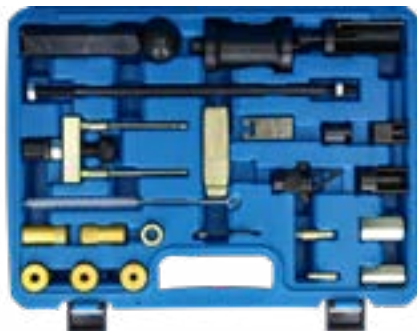


ART.NR	ITEM NAME	PRICE
BT551350	Adjustment gauges for VAG pump/nozzle unit on 3-cylinder and 4-cylinder engines	90,00 €

DESCRIPTION

For adjusting the pump/nozzle units

Suitable for 3-cylinder and 4-cylinder engines and for pump/nozzle units with old and new solenoid valve nut



ART.NR	ITEM NAME	PRICE
BT551360	FSI nozzle assembly/disassembly kit	89,00 €

DESCRIPTION

Suitable for VW, Audi, Seat, Skoda with petrol direct injection and engines with a pump/nozzle unit

Use as tools OEM T10133 + T10163

DELIVERY SCOPE

- Puller for dismantling FSI nozzles, use as T10133/1
- Extractor claw for dismantling FSI nozzles, use as T10133/2
- Slide hammer, use as T10133/3
- Assembly cone for fitting the combustion chamber sealing rings, use as T10133/5
- Calibration sleeves for fitting the combustion chamber sealing rings, use as T10133/6, T10133/7, T10133/8
- Fitting mandrel for fitting the FSI nozzles, use as T10133/9
- Puller for removing pump/nozzle units



ART.NR	ITEM NAME	PRICE
BT591080	Engine adjustment tool set for VAG	10,00 €

DESCRIPTION

VAG 2.0 L TDI and some 1.9L TDI with oval crankshaft wheel

DELIVERY SCOPE

- Interlock tool for crankshaft wheel, use as OEM T10100
- Interlock mandrel for pump wheel, use as OEM 3359
- Interlock plate for tensioning roll, use as OEM T10008



ART.NR	ITEM NAME	PRICE
BT591040	Camshaft locking tool for VAG W8 and W12	40,00 €

DESCRIPTION

- For aligning the camshafts
- Suitable for V6 R32 3.2L FSI W8 and 6.0L W12
- 2 alignment rules
- Use as OEM T10068, T10068A



ART.NR	ITEM NAME	PRICE
BT597100	Engine adjustment tool set for VAG	11,00 €

DESCRIPTION

VAG 1.2 1.4 1.9 L TDI with round crankshaft wheel

DELIVERY SCOPE

- Interlock tool for crankshaft wheel, use as OEM T10050
- Interlock mandrel for pump wheel, use as OEM 3359
- Interlock plate for tensioning roll, use as OEM T10008



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597010	Engine adjustment tool set for VAG FSI, TSI 1.4, 1.6 (with timing chain)	29,00 €

FOR THE FOLLOWING MODELS

Audi A3 (2003-2010)
Seat Ibiza, Leon, Altea
Skoda Octavia (2004-2009), Fabia (2007-2009), Superb (2009-2010), Roomster (2006-2009)
Volkswagen Golf (2003-2009), Golf Plus (2005-2009), Jetta (2006-2009), Passat (2005-2009), Polo (2002-2008), Scirocco (2009-2010), Tiguan (2007-2009), Touran (2003-2009), Eos (2006-2009)

ENGINE CODES

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

DESCRIPTION

For checking and adjusting the timing
Needed e.g. when replacing the timing chain
Suitable for VAG FSI and TFSI 1.4 and 1.6 L engines

DELIVERY SCOPE

Camshaft locking device, use as OEM T10171
Dial gauge bracket, use as OEM T10170
Crankshaft interlock, use as OEM T10340
Hydraulic tensioner interlock, use as OEM T40011



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597151	Locking tool for crankshaft timing belt pulleys for VAG	6,00 €

DESCRIPTION

VAG 2.0 L TDI and 1.9 L with oval crankshaft wheel
Use as OEM T10100

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597800	Engine adjustment tool set for VAG	139,00 €

FOR THE FOLLOWING MODELS

1.9L, 2.0L TDI pump/nozzle
1.9L TDI
2.5L V6-TDI
3.3L V8-TDI
1.2L 3-cylinder and 1.4, 1.6L petrol engines

DELIVERY SCOPE

Camshaft adjustment gauge (e.g. VW 1.9 I TDI)
Toothed belt pulley interlock tool (e.g. VW, Skoda 1.9L, 2.0L TDI pump/nozzle)
Camshaft interlock tool (e.g. VW, Audi 2.5L V6 TDI)
3-way adjustable toothed belt tension roller spanner (universal, for VW, Audi)
Interlock mandrel for injection pump wheel (e.g. VW, Audi, Seat, Skoda amongst others)
Retaining plate for toothed belt tensioning device (VW, Skoda 4-cylinder TDI pump/nozzle)
Open plug-in unit SW22 for assembly and disassembly of diesel injection nozzles
Camshaft adjustment tools, use as OEM T10123, T10120, 3458, 3418, 2065A, 3366, T10098, 3418
Crankshaft adjustment tools, use as OEM T10121, 3242, T10050, T10100
Tensioning roller interlock tools, use as OEM T10060A, T10020, T10008, T40011
Injection pump interlock tools, use as OEM 3359, 2064



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597152	Locking tool for crankshaft timing belt pulleys for VAG	5,00 €

DESCRIPTION

VAG 1.2, 1.4, 1.9 L TDI with round crankshaft wheel
Use as OEM T10050

FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591030	Engine adjustment tool set for VAG	59,00 €

FOR THE FOLLOWING MODELS

Audi A3 1.8 Turbo (AGN AGU AJQ APG APP AQA ARX ARY ARZ AUM AUJ) 1996-2003, A3 1.6 FSI (BAG) 2003-2006, S3 1.8 Turbo (AMK APY BAM) 1996, A4 1.8 Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006, A6 1.8 Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006, Cabriolet 1.8 (ADR) 1997-2000, TT 1.8 Turbo (AJQ APP APX AUM AUJ BAM) 1998-2006

Volkswagen Beetle 1.8 Turbo (AVC) 1999-2006, Touran 1.6 FSI (BAG BLP) 2003-2007, Golf 1.8 Turbo (AGN AGU AQA ARZ AUM AUJ) 1997-2005, Bora 1.8 Turbo (AGN AGU AQA ARZ AUM AUJ) 1997-2005, Passat 1.8 Turbo (ADR AEB ANB APT APU ARG AWT) 1996-2005, Sharan 1.8 Turbo (AJH AWC) 1997-2007

Seat Ibiza 1.8 Turbo (AGX AYP) 1999-2002, Cordoba 1.8 Turbo (AGX AYP) 1999-2002, Leon 1.8 Turbo (AJQ AGN APG APP APT ARY AUJ) 1999-2005, Toledo Turbo (AGN AGU AQA ARZ AUM AUJ) 1999-2005, Alhambra 1.8 Turbo (AJW AWC) 1997-2007

Skoda Octavia 1.8 FSI Turbo (AGN AGU ARX ARZ AUM) 1996-2005, Octavia 1.8 Turbo 20V RS (AUJ) 2000-2006, Octavia 1.6 FSI (BLF) 2004-2007

ENGINE CODES

Suitable for 1.8 L turbo and 1.6 L FSI engines

DELIVERY SCOPE

Counter support for crankshaft, use as OEM 3036
Camshaft fixing tool, use as OEM T10171
Counter support for drive sprockets of oil pump gear, camshaft, vibration damper, use as OEM T10172
Adapter pieces for counter support, use as OEM T10172
Chain tensioner bracket for installation and removal of the chain tensioner, use as OEM T20018, 3366
Tension roller element fixing pin, use as OEM T40011





FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597500	Engine adjustment tool for VAG 1.2, 1.4, 1.6 FSI, 1.4 TSI	73,00 €

FOR THE FOLLOWING MODELS

Audi A1, A3, A3 Sportback, A3 Cabriolet
Seat Altea, Altea XL, Ibiza, Ibiza Sport Coupe, Leon, Toledo
Skoda Fabia, Fabia, Octavia, Rapid, Roomster, Yeti
VW New Beetle, Caddy, Golf, Golf Plus, Golf Cabriolet, Golf Variant, Jetta, Polo, Touran

ENGINE CODES

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

DESCRIPTION

For adjusting and checking the engine timing

DELIVERY SCOPE

Camshaft locking device, use as OEM T10171
Dial gauge, use as OEM T10170 (dial gauge holder with 274 mm total length, exterior thread M14 x 1.25 mm)
Crankshaft interlock, use as OEM T10340
Hydraulic tensioner interlock, use as OEM T40011 (8 mm tension shaft)
Precision dial gauge for locating the piston OT (resolution: 0.01 mm / measuring range: 0-8 mm / diameter: 41 mm)
2x crankshaft wheel locking pin, use as OEM T10341 (two guide bolts with 135 mm length, 24 mm long exterior thread M8 x 1.25 mm, reciprocal external hex with 6 mm width between flats)
Camshaft interlock, use as OEM T10414



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597250	Engine adjustment tool set for Volkswagen	38,00 €

FOR THE FOLLOWING MODELS

for VW Transporter 2.4D (95-03), Crafter 2.5TDI (06-09) and LT models

ENGINE CODES

Engine codes: AAB, AJA, BJJ, BJK, BJJ, BJM

DELIVERY SCOPE

Use as OEM T10025, 2065A, 2064



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT595800	Engine adjustment tool set for Volkswagen 1.2	11,00 €

DELIVERY SCOPE

Can also be used as a replacement for Art. BT597800
Use as OEM T10123



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597802	Special tool for controlling engine timing for VAG 1.2	11,00 €

FOR THE FOLLOWING MODELS

Needed when checking the engine timing and replacing the toothed belt
Suitable for VAG 3-cylinder engines with code AMY, BMD, BBM
Use as OEM T10120



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597800	Engine adjustment tool set for VAG	139,00 €

FOR THE FOLLOWING MODELS

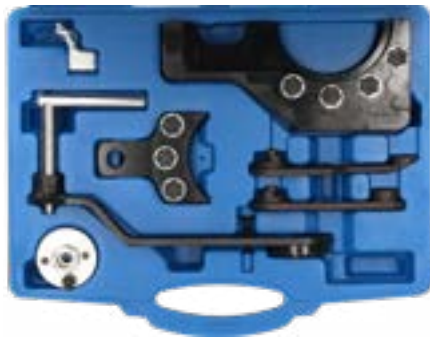
1.9L, 2.0L TDI pump/nozzle
1.9L TDI
2.5L V6-TDI
3.3L V8-TDI
1.2L 3-cylinder and 1.4, 1.6L petrol engines

ENGINE CODES

OE-Code Audi: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123
OE-Code Seat: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123
OE-Code Škoda: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123
OE-Code Volkswagen: 2065A, T10008, T10016, T10020, T10050, T10060A, T10098, T10100, T10120, T10121, T10123, T10264, T10265, T40011, 2064, 3242, 3359, 3366, 3369, 3418, 3458, T10123

DELIVERY SCOPE

Camshaft adjustment gauge (e.g. VW 1.9 I TDI)
Toothed belt pulley interlock tool (e.g. VW, Skoda 1.9L, 2.0L TDI pump/nozzle)
Camshaft interlock tool (e.g. VW, Audi 2.5L V6 TDI)
3-way adjustable toothed belt tension roller spanner (universal, for VW, Audi)
Interlock mandrel for injection pump wheel (e.g. VW, Audi, Seat, Skoda amongst others)
Retaining plate for toothed belt tensioning device (VW, Skoda 4-cylinder TDI pump/nozzle)
Open plug-in unit SW22 for assembly and disassembly of diesel injection nozzles
Camshaft adjustment tools, use as OEM T10123, T10120, 3458, 3418, 2065A, 3366, T10098, 3418
Crankshaft adjustment tools, use as OEM T10121, 3242, T10050, T10100
Tensioning roller interlock tools, use as OEM T10060A, T10020, T10008, T40011
Injection pump interlock tools, use as OEM 3359, 2064



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT597200	Engine adjustment tool set for VAG 2.5 and 4.9D TDI pump/nozzle	319,00 €

FOR THE FOLLOWING MODELS

VW T5 from 2004 onwards, Touareg from 2003 onwards, VW Phaeton from 2003 onwards with 5-cylinder and 10-cylinder engines

ENGINE CODES

Engine codes: AXD, AXE, BAC, BLJ, BLK, BNZ, BPC, BPD, BPE

DELIVERY SCOPE

- Camshaft interlock for checking and adjusting the timing on 5-cylinder and 10-cylinder engines, use as OEM T10193
- Camshaft interlock for checking and adjusting the timing on 10-cylinder engines, use as OEM T10194
- Clamp for removing and installing the camshaft sprocket of 5-cylinder and 10-cylinder engines, use as OEM T10199
- Special insert, makes it possible to turn the crankshaft on 5-cylinder engines, use as OEM T10225
- Crankshaft locking spanner for 5-cylinder engines, use as OEM T10226
- Tensioning spanner



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT597210	Camshaft locking tool for VAG 5-cylinder and 10-cylinder	169,00 €

DELIVERY SCOPE

- Suitable for VW T5 from 2004 onwards, Touareg and Phaeton from 2003 onwards with 5-cylinder and 10-cylinder engines
- Clamp for removing and installing the camshaft sprocket on 5-cylinder and 10-cylinder engines
- Use as OEM T10199, OEM T10199/1



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT596010	Crankshaft fixing tool for VAG 10-cylinder engines	41,00 €

DELIVERY SCOPE

- Crankshaft fixing tool with dowel pin
- Use as OEM T10226
- Suitable for e.g. VW Touareg, Phaeton



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT595850	Camshaft control valve inserts for VAG 1.8, 2.0 TFSI, TSI	14,00 €

DESCRIPTION

- For fitting/removal of the 4/3-way central valve of the camshaft adjustment
- Suitable for 1.8, 2.0 L 4-cylinder fuel injection and direct injection engines with timing chain, installed in the following models:
- Audi A3, A4, A5, Q5, TT, Seat Altea, Leon, Toledo, Exeo, Skoda Octavia II, Superb II, Yeti, Volkswagen Eos, Golf, Jetta, Passat, Scirocco, Sharan, Tiguan



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT561006	Ignition coil extractor for VAG	23,00 €

DESCRIPTION

- For pulling off ignition coils on VAG models from year of construction 2013 onwards
- Pin-shaped for insertion into the ignition coil fixing hole
- Suitable for 4-cylinder 1.2, 1.4, 1.8, 2.0 FSI, TFSI engines, installed in e.g. VW Golf, Audi A3, Seat Leon, Skoda Octavia
- Use as OEM T10530



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT606004	Special spanner for exhaust gas temperature sensor for VAG, SW 19 mm	28,00 €

DESCRIPTION

- For assembling/disassembling exhaust gas temperature sensors
- Suitable for e.g. the following VAG engines: 1.8 TFSI, 2.0 TFSI, 2.0 FSI, 1.6 CRTdi, 2.0 common rail
- Spanner width 19 mm
- Use as OEM T10395/8, T10395/9, T10395/10



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT561005	Ignition coil disassembly tool for VAG	16,00 €

DESCRIPTION

- For disassembling ignition coils mounted directly on the spark plug
- Suitable for e.g. the following models from year of construction 2013 onwards: VW Golf, Audi A3, Seat Leon, Skoda Octavia with FSI engines 1.2, 1.4, 2.0 with timing chain



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT595800	Engine adjustment tool set for Volkswagen 1.2	11,00 €

DELIVERY SCOPE

- Can also be used as a replacement for Art. BT597800
- Use as OEM T10123



ART.NR	ITEM NAME	PRICE
BT597700	Engine adjustment tool set for VAG	45,00 €

FOR THE FOLLOWING MODELS

Audi A1 (2010-2012), A2 (2001-2006), A3 (2001-2012), A4/Allroad (1999-2012), A5 (2008-2012), A6/Allroad (1998-2011), TT (2008-2010), Q5 (2008-2012)

Seat Alhambra (1999-2010), Altea/Altea XL (2004-2012), Arosa (1999-2005), Cordoba (2002-2009), Ibiza (2002-2010), Leon (2000-2012), Toledo (2004-2011)

Skoda Fabia (2000-2007), Fabia II (2007-2012), Octavia (2000-2010), Octavia II (2004-2012), Roomster (07-12), Superb (2002-2008), Superb II (2008-2012), Yeti (2009-2012)

VW Amarok (2010-2012), Beetle (2000-2011), Bora (1998-2008), Caddy/Maxi (2003-2012), Eos (06-10), Fox (2005-2011), Golf (1998-2012), Golf Plus (2005-2012), Jetta (2005-2011), Lupo (1999-2005), Passat/CC (1998-2012), Polo (1999-2012), Scirocco (2008-2012), Sharan (1999-2010), Tiguan (2007-2012), Touran (2003-2012), Transporter (2003-2012)

Dodge Caliber (2006-2011)

Ford Galaxy (1999-2006)

Mitsubishi Grandis (2005-2010), Lancer (2005-2010), Outlander (2007-2010)

DESCRIPTION

For inspecting and adjusting the camshaft control times 1.2, 2.0 TDI PD, 1.2, 1.6, 2.0 TDI CR



ART.NR	ITEM NAME	PRICE
BT596008	Camshaft sprocket locking tool for Volkswagen 1.8, 2.0 TFSI	67,00 €

DESCRIPTION

For locking the intake and discharge camshafts when loosening the central screws



ART.NR	ITEM NAME	PRICE
BT541061	Bit insert, length 54 mm, 12.5 mm square drive (1/2") for VAG Polydrive	4,00 €

DESCRIPTION

Special insert for loosening and tightening the fixing screw of the camshaft adjuster for VAG 4-cylinder fuel injection engine (2.0 I direct injection engine)

Special spline profile

Use as OEM: T40080

With knurled grip

Dimensions: M10

DELIVERY SCOPE

3 special inserts, 10 mm (3/8") drive

Special insert for camshaft control valves, use as OEM T10352

Special insert for camshaft control valves, use as OEM T10352/1

Special insert for camshaft control valves, use as OEM T10352/2



ART.NR	ITEM NAME	PRICE
BT596020	Crankshaft fixing tool for Volkswagen Touareg, Phaeton from 2003 onwards	79,00 €

DELIVERY SCOPE

Suitable for VW Touareg from 2003 onwards, Phaeton from 2003 onwards with 10-cylinder diesel engine

Crankshaft retainer, for locking the crankshaft when adjusting the timing, use as OEM T10195

Guide pin for installing the engine control module (wheel box), use as OEM T10200

Supplementary set for Art. BT597200



ART.NR	ITEM NAME	PRICE
BT591960	Vibration damper tool set for VAG 1.8, 2.0 TFSI	145,00 €

ENGINE CODES

Engine codes for 1.8L TFSI: BZB, CDAA, BPU, BYT, CABA, CABB, CDHB, CDHA, CABD, DAJB, CJSB, CJSE, CJEE, CJED, CYGA, CDAC, CJSC, CGYA, DAJA

Engine codes for 2.0L TFSI: CAWB, CCZA, CBFA, CCTA, CDNB, CDNC, CDND, CJXA, CJXE, CJXH, CHHB, CHHA, CULA, CFKA, DEDA, CHJA, CAWA, CCZC, CCZD, CPSA, CJKA, CJKB, CESA, CETA, CFPA, CNCD, CPLA, CYRB, CYRC; CNCE, CYNB, CYPB, CULB, CULC, CNCB, CWZA, CJXF, CJXC, CJXB, CJXG, CHHC, CCZB

DESCRIPTION

Prevents the timing chain sprocket from turning when the vibration damper is being removed or installed

Suitable for Volkswagen, Audi, Skoda and Seat models with 1.8 and 2.0L TFSI engine with chain drive

DELIVERY SCOPE

Vibration damper holding tool, use as OEM T10531/1

Crankshaft wheel clamping bolt, use as OEM T10531/2

Nut for crankshaft wheel holding tool, use as OEM T10531/3

Adapter piece for crankshaft wheel holding tool, use as OEM T10531/4



ART.NR	ITEM NAME	PRICE
BT597806	Crankshaft fixing tool for VAG 6-cylinder and 8-cylinder for Art. BT597800	6,00 €

DELIVERY SCOPE

Suitable for VW and Audi models with V6 TDI and V8 engines

For adjusting the crankshaft

Use as OEM 3242



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597000	Engine adjustment tool set for VAG	29,00 €

FOR THE FOLLOWING MODELS

Volkswagen: Polo 1.2 L, 6V, 3-cylinder, engine code AWY, BMD, BBM, Polo 1.2 L, 12V, 3-cylinder, engine code AZQ, BME, BZG, CGPA, CGPB

Skoda: Fabia 1.2 L, 6V, 3-cylinder, engine code AWY, BMD, Fabia 1.2 L, 12V, 3-cylinder, engine code AZQ, BME, BZG, CEVA, CGPA, CGPB, Rapid 1.2 L, 12V, 3-cylinder, engine code CGPC, Roomster 1.2 L, 12V, 3-cylinder, engine code BME, BZG, CGPA, Praktik Rapid 1.2 L, 12V, 3-cylinder, engine code BZG, CGPA

Seat: Ibiza 1.2 L, 12V, 3-cylinder, engine code AZQ, BME, BXV, BZG, CGPA, CGPB, Cordoba 1.2 L, 12V, 3-cylinder, engine code AZQ, BME, BXV

DELIVERY SCOPE

- Camshaft interlock, use as OEM T10123
- Camshaft interlock, use as OEM T10120
- Crankshaft interlock, use as OEM T10121



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT595900	Engine adjustment tool set for VAG 1.2 TSI, TFSI	21,00 €

FOR THE FOLLOWING MODELS

VAG 1.2 TSI, TFSI with engine codes CBZA, CBZB, CBZC

Audi models A1 and A3

VW New Beetle, Caddy, Golf, Jetta, Polo, Touran

Skoda Fabia II, OctaviaII, Praktik, Rapid, Roomster, Yeti

Seat Altea, Ibiza, Leon, Toledo

DESCRIPTION

For locking the camshaft and crankshaft while changing the timing chain, replacing the cylinder head seal etc.

DELIVERY SCOPE

- Crankshaft lock, use as OEM T10340
- Camshaft interlock, use as OEM T10414
- Guide bolt, use as OEM-T10341



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT597050	Engine adjustment tool set for Audi, VW V6 TDI	10,00 €

FOR THE FOLLOWING MODELS

Volkswagen Passat 2.5 V6 TDI

Audi A4 2.5 V6 TDI

Audi A6 2.5 V6 TDI

Audi A8 2.5 V6 TDI

Skoda Superb 2.5 V6 TDI

ENGINE CODES

Engine code: AFB, AKN, AKE, AYM, BAU, BCZ, BDG, BDH, BFC

DESCRIPTION

For locking the crankshaft/camshaft, and for carrying out work on the engine control, e.g. replacing the toothed belt, removing the cylinder heads etc.

DELIVERY SCOPE

- Crankshaft fixing mandrel, use as OEM 3242
- Camshaft interlock plates, use as OEM 3458



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591010	Camshaft fixing tool for Audi, VW	39,00 €

DESCRIPTION

Needed for changing the toothed belt in Audi and VW models with the following engines: AUDI A4 2.4 2.8 year of construction 1997, 2002, A6 2.4 year of construction 1997, 2002, A6 2.8 year of construction 1997, 2002, A8 2.8 year of construction 1997, 2002, S4 2.7 Turbo year of construction 1997, 2001 or Volkswagen with ACK, ALG, APR, AGD engines, and Passat 2.4 year of construction 1996, 2002, Passat 2.8 30v year of construction 1996, 2001

The camshaft cannot turn while the toothed belt is being fitted

Easy, accurate fitting of the toothed belt



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT596007	Camshaft fixing tool for VAG, adjustable, 12V, 30V	75,00 €

DESCRIPTION

Large range of use thanks to adjustable camshaft fixing tool, use as OEM 3391 or OEM 3243

Crankshaft locking bolt, use as OEM 3242

Needed for changing the toothed belt in Audi and VW models with the following engines:

AUDI A4 2.4 2.8 year of construction 1997, 2002, A6 2.4 year of construction 1997, 2002, A6 2.8 year of construction 1997, 2002, A8 2.8 year of construction 1997, 2002, S4 2.7 Turbo year of construction 1997, 2001, Volkswagen with ACK, ALG, APR, AGD engines, Passat 2.4 year of construction 1996, 2002, Passat 2.8 30v year of construction 1996, 2001, 2-valve V6 engines e.g. Audi 80, 90, A4, A6 year of construction 1994, 1997 ABC, AFC engine

The camshaft cannot turn while the toothed belt is being fitted

Easy, accurate fitting of the toothed belt



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591011	Camshaft fixing tool for Audi, VW	39,00 €

DESCRIPTION

Needed for changing the toothed belt in Audi and VW models with 2-valve V6 engines, e.g. Audi 80, 90, A4, A6 1994-97 ABC, AFC engine

The camshaft cannot turn while the toothed belt is being fitted

The fixing hook ensures a secure fit

Easy, accurate fitting of the toothed belt



ART.NR	ITEM NAME	PRICE
BT591012	Camshaft fixing tool for Audi, Volkswagen	39,00 €

DELIVERY SCOPE

Needed for changing the toothed belt in Audi and VW with V8 3.3L to 4.2L 5-valve engines, installed in the Audi A6, A8 with e.g. engine code AKB, AUX, AYS, AQJ, ARS, ART, AWN, BBD, BCY and BFM (1998, 2003), as well as the VW Touareg and Phaeton

The camshaft cannot turn while the toothed belt is being fitted

Easy, accurate fitting of the toothed belt

Use as OEM T40005



ART.NR	ITEM NAME	PRICE
BT595850	Camshaft control valve inserts for VAG 1.8, 2.0 TFSI, TSI	14,00 €

DESCRIPTION

For fitting/removal of the 4/3-way central valve of the camshaft adjustment

Suitable for 1.8, 2.0 L 4-cylinder fuel injection and direct injection engines with timing chain, installed in the following models:

Audi A3, A4, A5, Q5, TT, Seat Altea, Leon, Toledo, Exeo, Skoda Octavia II, Superb II, Yeti, Volkswagen Eos, Golf, Jetta, Passat, Scirocco, Sharan, Tiguan



ART.NR	ITEM NAME	PRICE
BT591085	Special insert for turning the crankshaft for VAG 5-cylinder engines	13,00 €

FOR THE FOLLOWING MODELS

VW Lupo, Polo, New Beetle, Golf, Bora Caddy

Seat Ibiza, Cordoba

DELIVERY SCOPE

Needed for adjusting the crankshaft when working on the engine timing, and can also be used as a counter support

Suitable for all 5-cylinder VW diesel engines

Installed e.g. in the Touareg from year of construction 2003 onwards and Transporter from 2004 onwards

With fixing screw for fitting on the crankshaft

Can be used as VAG OEM T10225



ART.NR	ITEM NAME	PRICE
BT591013	Camshaft rule for Volkswagen, Audi, 170 mm	9,00 €

FOR THE FOLLOWING MODELS

for VW and Audi

ENGINE CODES

Engine codes: AAA, ABV, AES, AGZ, AMY, AZX



ART.NR	ITEM NAME	PRICE
BT597215	Camshaft fixing tool for VAG 5- and 10-cylinder engines	29,00 €

DELIVERY SCOPE

Suitable for VW Phaeton from 2003 onwards, Touareg from 2003 onwards, Transporter from 2004 onwards with 5-cylinder and 10-cylinder diesel engine

Use as OEM T10193 or T10194

For fixing the camshafts when checking and adjusting the timing

The camshaft cannot turn, meaning that precise adjustment is possible



ART.NR	ITEM NAME	PRICE
BT596006	Camshaft sprocket locking tool for VAG 1.0	4,00 €

FOR THE FOLLOWING MODELS

Seat Mii 1.0 (3-cylinder)

Skoda Citigo 1.0 (3-cylinder)

Volkswagen Up 1.0 (3-cylinder)

DESCRIPTION

For locking the camshafts in the adjustment position

Needed when checking and adjusting the engine timing

Use as OEM T10476



ART.NR	ITEM NAME	PRICE
BT591019	Camshaft assembly tool for VAG 6 and 8-cylinder TDI	119,00 €

DESCRIPTION

For installing the camshaft in the cylinder head

Suitable for the following VAG models: VW Tiguan 2008, Passat CC 2009, Touareg 2003, Phaeton 2003, Audi A3 2004, A4 2001, A4 2008, A5 2008, Q5 2008, A6 2005, Q7 2007, A8 2003

6-cylinder TDI common rail 2.7, 3.0 4-valve engines

8-cylinder TDI common rail 4.0 4-valve engines

Use as VAG OEM T40095



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT546004	Crankshaft sealing ring assembly tool for VAG 1.4 and 1.6 16V	130,00 €

FOR THE FOLLOWING MODELS

Seat Arosa, Ibiza, Cordoba, Leon, Toledo, Inca
Skoda Fabia, Octavia, Roomster
VW Lupo, Polo, Golf, Bora, Beetle, Caddy

ENGINE CODES

Engine codes: CHYA, CHYB, CPGA

DESCRIPTION

For fitting the radial sealing ring on the transmission
Attempting to fit the sealing ring without this tool may lead to leaks, destruction of the new sealing ring, and poor engine running
Suitable for VAG vehicles with 1.4 and 1.6 16V engines
Use as OEM T10017



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT596015	Timing chain tension lever for VAG 1.8, 2.0 TFSi	32,00 €

FOR THE FOLLOWING MODELS

Audi A3, A3 Cabrio, TT, Q3
Seat Alhambra, Altea Free Track, Exeo, Leon FR, Toledo
Skoda Octavia II, Superb III (3T), Yeti
Volkswagen Eos, Golf VII, Passat (B6), Passat CC, Passat Variant, Sharan, Beetle, Scirocco, Tiguan

ENGINE CODES

Engine codes (1.8 L engines): CDAA, CDHA, CDHB, CJEB, CDAB, CGYA

Engine codes (2.0 L engines): CCZA, CDNB, CDNC, CFKA, CCZC, CPSA, CESA, CETA, CCZB, CDND, CCZD

DESCRIPTION

For pushing back the timing chain tensioner without removing the front engine cover
Needed when replacing the timing chain



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT591260	Camshaft sprocket locking tool set, universal	72,50 €

FOR THE FOLLOWING MODELS

Can be used universally on vehicles from the following manufacturers: Audi, Alfa Romeo, Chrysler, Citroen, Ford, Honda, Hyundai, Isuzu, Land Rover, Lexus, Mazda, Mitsubishi, Peugeot, Renault, MG, Seat, Skoda, Subaru, Toyota, Opel, Volkswagen, Volvo

DESCRIPTION

For locking the camshaft sprockets e.g. when replacing the toothed belt

Suitable for engines with 1, 2 and 4 camshafts (V engines); also suitable for locking between the camshaft sprocket and diesel injection pump wheel in some diesel engines

DELIVERY SCOPE

Double camshaft locking tool with short and long connecting arm
Single camshaft locking tool with short and long locking screw



FITS FOR:

ART.NR	ITEM NAME	PRICE
BT596002	Universal camshaft wheel puller	63,00 €

DESCRIPTION

For pulling the pulley and camshaft gear
Gripping arms are connected with each other via adjusting disk, thus the gripping arms can be set easily and exactly
Continuous adjustment range of the gripping arms from 42 – 82 mm
Gripping arm depth is 27 mm

DELIVERY SCOPE

3 x gripping arms, Ø 12 mm, M10 x 1.5, suitable for material thickness up to max. 10 mm
6-groove puller body with adjusting disc
Spindle, M14 x 1.5, 19 mm hex, with centring cone

BT546001
EAN4042146779217
Torque angle gauge

10,- €





ART.NR	ITEM NAME	PRICE
BT595910	Timing chain test tool set for VAG 1.2, 1.4 TFSi	149,00 €

FOR THE FOLLOWING MODELS

Audi: A1 (2012-2015), A1 Sportback (2012-2015), A3 (2013-2015), A3 (2013-2015), A3 Sportback (2012-2015)

Seat: Ibiza (2012-2017), Leon (2012-2015), Toledo (2012-2017)

Skoda: Fabia II (2010-2015), Fabia III (2014-2017), Octavia II (2010-2013), Octavia III (2010-2015), Praktik (2010-2015), Roomster (2010-2015), Rapid (2015-2017)

Volkswagen: Golf VI & VII (2008-2015), Golf VII Kombi (2008-2017), Jetta (2012-2017), Polo (2012-2017), Sportsvan (2014-2017)

DESCRIPTION

For checking the timing chain elongation on VAG 1.2 and 1.4L TFSi engines

Prevents costly repairs at a later stage due to the timing chain slipping

DELIVERY SCOPE

Timing chain test tool set, use as OEM T10550

Comprises the following tools: Camshaft fixing tool, use as OEM T10550/1; indicator, use as OEM T10550/2; scale sleeve with crankshaft pulley plate, use as OEM T10550/3



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ART.NR	ITEM NAME	PRICE
BT595920	Camshaft assembly tool set for VAG and Porsche	549,00 €

FOR THE FOLLOWING MODELS

Suitable for the following diesel vehicles (TDI CR) from 2003 onwards: Audi, Porsche, Seat, Skoda, Volkswagen with 1.2, 1.6, 2.0, 2.7, 3.0, 4.0, 4.2 common rail engines

ENGINE CODES

Engine codes ASB, ASE, BKN, BKS, BMK, BNG, BPP, BSG, BTR, BUG, BUN, BVN, CAAA, CAAB, CAAC, CAAD, CAAE, CAGA, CAGB, CAGC, CAHA, CAHB, CAMA, CAMB, CANA, CANB, CANC, CAND, CAPA, CARA, CASA, CASB, CASC, CASD, CATA, CAYA, CAYB, CAYC, CAYD, CAYE, CBAA, CBAB, CBAC, CBBA, CBBB, CBDA, CBDB, CBDC, CCFA, CCFC, CCHA, CCHB, CCLA, CCMA, CCWA, CCWB, CDBA, CDCA, CDSB, CDTA, CDTB, CDUC, CDUD, CDYA, CDYB, CDYC, CEGA, CEXA, CFCA, CFFA, CFFB, CFFD, CFFE, CFGB, CFGC, CFGD, CFHA, CFHB, CFHC, CFHD, CFHE, CFHF, CFJA, CFWA, CGKA, CGKB, CGLA, CGLB, CGLC, CGLD, CGLE, CGGB, CJAA, CJCA, CJCB, CJCC, CJCD, CJGA, CJGC, CJGD, CJMA, CKDA, CKTB, CKTC, CKUB, CKUC, CKVB, CKVC, CLAA, CLAB, CLCA, CLCB, CLJA, CLLA, CLNA, CLZB, CMEA, CMFA, CMFB, CMGB, CMHA, CNEA, CNFA, CNRB, CRCA, CSHA, M05/9D (CAS), M05/9E, M05/9E (CRCA), M05/9E (CRCB)

DESCRIPTION

For installing the camshafts in the correct position

Needed when installing new or existing camshafts; attempting installation without this tool may lead to damage on the camshaft bearing bridge and the cylinder head

DELIVERY SCOPE

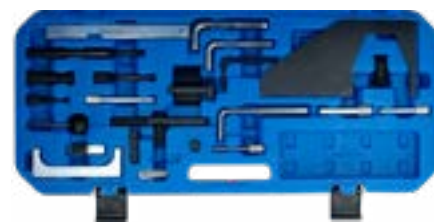
Mounting device including pre-assembled parts, use as OEM T40094

Camshaft clamp, use as OEM T40095

2 alignment clamps, use as OEM T40096, T40096/1

4 camshaft brackets for mounting device, use as OEM T40094/1, T40094/2, T40094/9, T40094/10

Interlock for camshaft bracket, use as OEM T40094/11



ART.NR	ITEM NAME	PRICE
BT593100	Engine adjustment tool set for Ford	109,00 €

FOR THE FOLLOWING MODELS

Suitable for the following Ford engines: 1.4, 1.6 16V, 1.7, 1.8 16V, 2.0 16V (including Zetec), 1.4, 1.6, 1.8, 1.9 D/TD/TDCi

DESCRIPTION

Contains tools for: Locking the flywheel

Locking the crankshaft, pump shaft

Locking the injection pump shaft

Removing the crankshaft pulley

Tensioning the toothed belt

Adjustment gauge for positioning the camshaft and pump shaft in relation to the crankshaft

Use as OEM 21-162, 21-162B, 303-367, 303-376, 23-059, 310-085, 21-168, 303-393, 23-020, 23-047, 23-020, 21-163, 303-620, 23-019, 21-210, 303-507, 21-251, 303-698, 21-262, 303-734, 23-029, 303-1061, 23-058, 310-084, 21-105, 21-262, 303-734, 21-168, 303-393, 21-263, 303-735, Mazda 49JE01061, Audi 3359, T10008, T10050, 2065A, Seat 3359, T10008, T10050, 2065A, Skoda 3359, T10008, T10050, 2065A, Volkswagen 3359, T10008, T10050, 2065A



ART.NR	ITEM NAME	PRICE
BT597218	Counter-support spanner for crankshaft pulleys for Volkswagen, Seat 1.6 l	42,00 €

ENGINE CODES

Engine code: ARC, AVY

DESCRIPTION

Counter-support spanner for crankshaft pulleys for Volkswagen, Seat 1.6 l



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591030	Engine adjustment tool set for VAG	59,00 €

FOR THE FOLLOWING MODELS

Audi A3 1.8 Turbo (AGN AGU AJQ APG APP AQA ARX ARY ARZ AUM AUG) 1996-2003, A3 1.6 FSI (BAG) 2003-2006, S3 1.8 Turbo (AMK APY BAM) 1996, A4 1.8 Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006, A6 1.8 Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006, Cabriolet 1.8 (ADR) 1997-2000, TT 1.8 Turbo (AJQ APP APX AUM AUG BAM) 1998-2006

Volkswagen Beetle 1.8 Turbo (AVC) 1999-2006, Touran 1.6 FSI (BAG BLP) 2003-2007, Golf 1.8 Turbo (AGN AGU AQA ARZ AUM AUG) 1997-2005, Bora 1.8 Turbo (AGN AGU AQA ARZ AUM AUG) 1997-2005, Passat 1.8 Turbo (ADR AEB ANB APT APU ARG AWT) 1996-2005, Sharan 1.8 Turbo (AJH AWC) 1997-2007

Seat Ibiza 1.8 Turbo (AQX AYP) 1999-2002, Cordoba 1.8 Turbo (AQX AYP) 1999-2002, Leon 1.8 Turbo (AJQ AGN APG APP APT ARYAUQ) 1999-2005, Toledo Turbo (AGN APG APT ARY AUG) 1999-2005, Alhambra 1.8 Turbo (AJW AWC) 1997-2007

Skoda Octavia 1.8 FSI Turbo (AGN AGU ARX ARZ AUM) 1996-2005, Octavia 1.8 Turbo 20V RS (AUG) 2000-2006, Octavia 1.6 FSI (BLF) 2004-2007

ENGINE CODES

Suitable for 1.8 L turbo and 1.6 L FSI engines

DELIVERY SCOPE

Counter support for crankshaft, use as OEM 3036

Camshaft fixing tool, use as OEM T10171

Counter support for drive sprockets of oil pump gear, camshaft, vibration damper, use as OEM T10172

Adapter pieces for counter support, use as OEM T10172

Chain tensioner bracket for installation and removal of the chain tensioner, use as OEM T20018, 3366

Tension roller element fixing pin, use as OEM T40011



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591089	Drive gear fixing tool for VAG 3.6 FSI	6,00 €

DESCRIPTION

For fixing the high-pressure pump driving toothed wheel

Needed for adjusting the valve timing

Suitable for VAG 3.6L 6-cylinder 4-valve engines, installed in the Volkswagen Passat (357), (3C2), (3C5) from 2006 onwards, Touareg (7L6), (7LA) from 2006 onwards, Audi Q7 (4LB) from 2007 onwards

Engine codes: BLV, BHL, BHK

Use as OEM T10363



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591088	Drive gear fixing tool for VAG 3.6 FSI	10,00 €

DESCRIPTION

For fixing the high-pressure pump driving toothed wheel

Needed for adjusting the valve timing

Suitable for VAG 3.6L 6-cylinder 4-valve engines, installed in the Volkswagen Passat (357), (3C2), (3C5) from 2006 onwards, Touareg (7L6), (7LA) from 2006 onwards, Audi Q7 (4LB) from 2007 onwards

Engine codes: BLV, BHL, BHK

Use as OEM T10332



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT542078	Crankshaft seal assembly device for VAG gasoline & diesel engines	149,00 €

DESCRIPTION

For fitting the radial sealing ring on the transmission

Attempting to fit the sealing ring without this tool may lead to leaks, destruction of the new sealing ring, and poor engine running

Suitable for VAG vehicles Volkswagen Golf, Touran and Audi A3, A4 1.4i Turbo, 1.4 & 1.6 petrol direct injection, 1.9, 2.0 SDI, 2.0 common rail diesel engines

Use as OEM T10134



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT591018	Front mask propping aid for Audi A4	17,00 €

DESCRIPTION

For pushing the front mask into the service position, e.g. for Audi A4, Passat from 1997 onwards

Allows for timing belt changes or the renewal of the water pump

Use as T10093



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT542070	Handle/Camshaft radial seal extraction set for VAG	189,00 €

DESCRIPTION

For removing radial sealing rings

Grips the seal from the inside with its conical profile

Suitable for most commercially available sealing rings

Suitable for most VAG petrol engines e.g. VW Lupo and Polo 1.4i, VR6, Audi V6, etc.

Contains the following extractors: 5 short extractors, Ø 25, 32, 35, 27, 55 mm

1 long extractor, Ø 32 mm



FITS FOR:



ART.NR	ITEM NAME	PRICE
BT597450	Engine adjustment tool set for VAG	40,00 €

FOR THE FOLLOWING MODELS

VW Passat, Sharan

AUDI A4, A6, A8, Allroad (1997-2006), A8

SKODA Superb 2.5 (2002-2006)

ENGINE CODES

AFB, AKN, AKE, AYM, BAU, BCZ, BDG, BDH, BFC

DESCRIPTION

For inspecting and adjusting the camshaft control times

DELIVERY SCOPE

Interlock plate with chain, use as OEM 3458

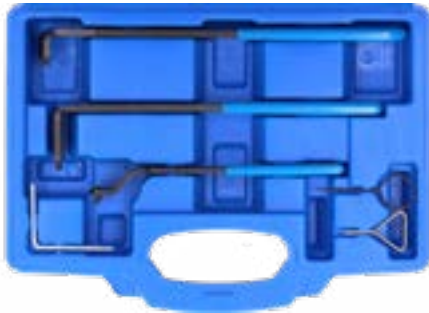
Special spanner, spanner width 22 mm, 1/2" drive, use as OEM 3078

Propping aid for front masks, use as OEM 3369

Crankshaft locking pin, use as OEM 3242

Marking pin of injection pump wheel, use as OEM 3359





ART.NR	ITEM NAME	PRICE
BT597600	Toothed belt tensioner set for VAG	39,00 €

DELIVERY SCOPE

Range for actuating and locking toothed belt tension rollers
 Needed when replacing the toothed belt and carrying out repairs on the engine
 For the most common VW, Audi, Seat, Skoda petrol and diesel engines
 Spanner can be used as counter support
 Tightening the nut does not affect the adjustment of the toothed belt tension
 3 tension roller spanners with different lengths and crank portions, use as OEM T10020, V159, 3387
 3 locking pins for toothed belt tensioner: 1.6 mm, use as OEM T40011, 2.5 mm, use as OEM T03006, 4 mm, use as OEM T10060A



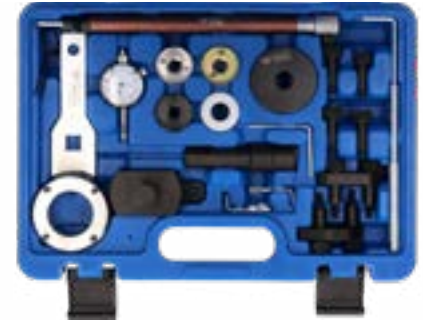
ART.NR	ITEM NAME	PRICE
BT671050	Drive shaft retractor set	89,00 €

FOR THE FOLLOWING MODELS

M16 x 1.5 mm: for Subaru
 M20 x 1.5 mm: for VW Beetle, Touareg, Porsche Cayenne
 M22 x 1.5 mm: for BMW E30, E46
 M24 x 1.5 mm: for BMW E36, Mercedes W203
 M27 x 1.5 mm: for BMW E32, E34, E38, E39, X5
 M30 x 1.5 mm: for BMW E32, E34, E36

DESCRIPTION

For pulling the drive shaft into the wheel hub
 In a standardised industrial bearing
 Contains 6 pulling sleeves with various threads



ART.NR	ITEM NAME	PRICE
BT597760	Engine adjustment tool set for VAG 1.8, 2.0 FSI, TFSI	190,00 €

DESCRIPTION

For checking and adjusting the engine timing
 Suitable for 1.8, 2.0L VAG engines with engine code BYT, BZB, CABA, CABB, CABD, CADA, CAEA, CAEB, CAWA, CAWB, CBFA, CCTA, CCZA, CCZB, CCZC, CCZD, CDAA, CDAB, CDHA, CDHB, CDNB, CDNC, CDND, CESA, CETA, CFKA, CFPA, CGYA, CHHA, CHHB, CJBA, CJEB, CJK, CJKB, CJS, CJSB, CNCD, CPLA, CPSA
 Installed e.g. in Audi A4, A5 (from 2008 onwards), A6 (from 2012 onwards)

DELIVERY SCOPE

Crankshaft counter support tool, use as OEM T10355
 Crankshaft thrust piece, use as OEM T10368
 Crankshaft thrust piece, use as OEM T10354
 Camshaft interlock bolt (4x), use as OEM T40196
 Chain adjuster interlocking clamp (2x), use as OEM T40267
 Drive sprocket blocking tool (2x), use as OEM T40271, T20208
 Camshaft valve tool, use as OEM T10352
 Camshaft valve tool, use as OEM T10352/1
 Camshaft valve tool, use as OEM T10352/2
 Tensioning marking pin, use as OEM T10060A
 Tensioning marking pin (2x), use as OEM T40011
 Marking pin for oil pump, use as OEM T40265



ART.NR	ITEM NAME	PRICE
BT521300	Water pump removal tool for Volkswagen	59,00 €

DESCRIPTION

Suitable for Volkswagen T5, Touareg 2.5D

DELIVERY SCOPE

Water pump extractor, for removing the water pump gear, use as OEM T10222A
 Drive wheel extractor, for removing the water pump, use as OEM T10221A
 Special spanner, for bracing or turning the crankshaft when loosening the gear fastening screw on the water pump, use as OEM T10225



ART.NR	ITEM NAME	PRICE
BT591094	Crankshaft locking tool for VAG 1.4, 1.6, 2.0 TDI (EA288)	31,00 €

FOR THE FOLLOWING MODELS

For the following vehicles: 1.4 TDI Audi A1, 1.4 TDI Seat Ibiza, Toledo IV, 1.4 TDI Skoda Fabia III, Rapid (2012), 1.4 TDI VW Polo V, 1.6 TDI Audi A1, A3 8V, A4 B9, Q2, 1.6 TDI Seat Leon III, Toledo IV, Ateca, 1.6 TDI Skoda, Octavia III, Rapid (2012), Superb III, Karoq, 1.6 TDI VW Beetle, Golf VII, Jetta VI, Tiguan, Touran II, T-Roc, Passat B8, CC, Scirocco III, 2.0 TDI Audi A3 8V, A4 B9, Q2, 2.0 TDI Seat Leon III, Ateca, Alhambra II, 2.0 TDI Skoda Octavia III, Superb III, Kodiaq, Karoq, 2.0 TDI VW Beetle, Golf VII, Jetta VI, Tiguan, Tiguan II, Touran II, T-Roc, Sharan II, Passat B8, CC, Scirocco III, Arteon, T6, Caddy, Crafter, Amarok

DESCRIPTION

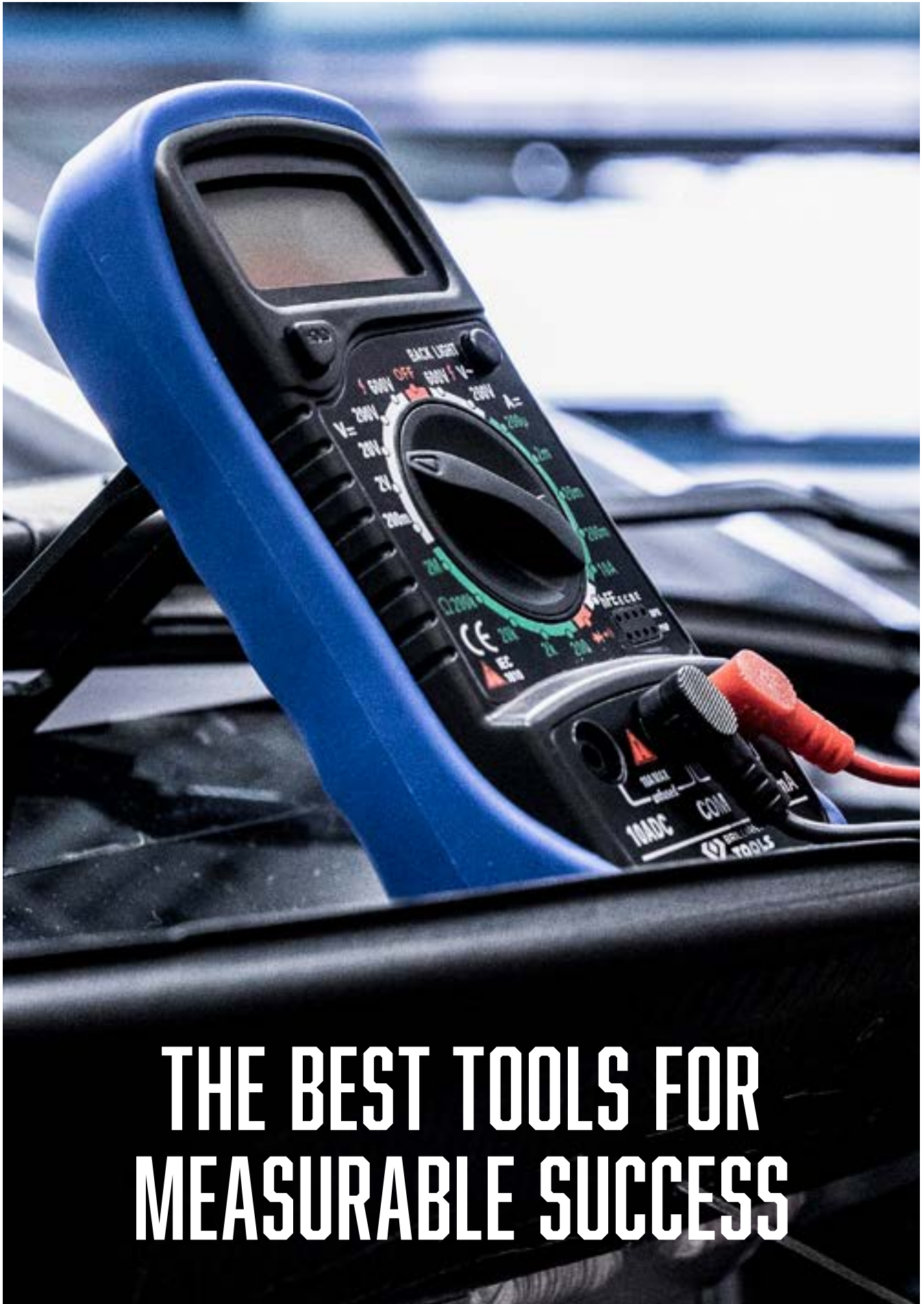
For adjusting and locking the crankshaft e.g. when working on the camshaft drive or replacing the cylinder head seal
 Suitable for: TDI common rail engines in the EA288 series
 Use as OEM T10490



ART.NR	ITEM NAME	PRICE
BT591110	Camshaft adjustment tool for Audi V8 4.2	47,00 €

DESCRIPTION

For adjusting the camshafts
 Use as OEM T40047
 Enables correct adjustment of the Hall sensor covers; incorrect adjustment can lead to rough idling and slow responses
 Suitable for vehicles with 4.2L V8 engines AUDI A6 (2005, 2006), A8 (2004, 2006), Quattro (2003, 2005), S4 (2004, 2009), VW Phaeton (2004, 2006) with engine code BNK, BFM, BGK, BAS, BHF, BGH



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BT591018	143	BT591260	83	BT591870	85	BT592700	44	BT593190	74
BT591019	18	BT591260	85	BT591870	103	BT592700	49	BT593200	74
BT591019	140	BT591260	96	BT591880	32	BT592700	54	BT593250	63

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BT593300	62	BT593930	95	BT595700	52	BT596004	19	BT597800	16
BT593300	77	BT593940	95	BT595700	89	BT596004	116	BT597800	19
BT593310	64	BT593970	97	BT595700	102	BT596004	122	BT597800	116
BT593320	74	BT593970	112	BT595700	113	BT596005	21	BT597800	122
BT593320	112	BT594200	94	BT595700	117	BT596005	116	BT597800	135
BT593350	75	BT594240	92	BT595700	123	BT596005	123	BT597800	136
BT593360	71	BT594240	113	BT595701	95	BT596006	117	BT597802	136
BT593360	82	BT594250	90	BT595702	94	BT596006	123	BT597806	126
BT593370	81	BT594250	112	BT595703	10	BT596006	140	BT597806	138
BT593380	78	BT594260	93	BT595703	51	BT596007	17	BT597850	130
BT593500	81	BT594300	34	BT595703	95	BT596007	139	BT597900	130
BT593530	78	BT594300	94	BT595800	17	BT596008	138	BT597920	131
BT593545	78	BT594350	92	BT595800	115	BT596010	137	BT597940	41
BT593550	81	BT594350	112	BT595800	124	BT596015	118	BT597940	51
BT593560	36	BT594410	107	BT595800	136	BT596015	124	BT597940	59
BT593560	79	BT594420	107	BT595800	137	BT596015	141	BT597940	71
BT593570	79	BT594450	11	BT595850	15	BT596020	138	BT597940	89
BT593585	80	BT594450	46	BT595850	18	BT597000	122	BT597940	100
BT593600	79	BT594450	91	BT595850	115	BT597000	139	BT597940	111
BT593620	80	BT594460	40	BT595850	120	BT597010	19	BT597990	42
BT593625	80	BT594460	45	BT595850	137	BT597010	114	BT597990	103
BT593635	80	BT594460	58	BT595850	140	BT597010	121	BT598100	106
BT593660	37	BT594460	60	BT595900	123	BT597010	135	BT598110	107
BT593660	79	BT594460	76	BT595900	139	BT597050	22	BT598120	106
BT593670	37	BT594460	94	BT595910	25	BT597050	125	BT598130	106
BT593670	64	BT594460	102	BT595910	118	BT597050	139	BT606004	15
BT593750	30	BT594460	108	BT595910	125	BT597100	16	BT606004	115
BT593750	33	BT594460	133	BT595910	142	BT597100	134	BT606004	120
BT593750	40	BT594500	83	BT595920	25	BT597150	23	BT606004	137
BT593750	42	BT594550	88	BT595920	119	BT597150	119	BT641060	33
BT593750	84	BT594550	88	BT595920	126	BT597150	126	BT671050	33
BT593750	84	BT594550	108	BT595920	142	BT597151	16	BT671050	128
BT593750	103	BT594570	36	BT595950	20	BT597151	135	BT671050	144
BT593770	84	BT594570	86	BT596000	29	BT597152	16	BT671900	123
BT593800	32	BT594570	96	BT596001	80	BT597152	135		
BT593800	42	BT594570	110	BT596002	14	BT597200	137		
BT593800	84	BT594570	132	BT596002	24	BT597210	137		
BT593800	101	BT594580	109	BT596002	37	BT597215	140		
BT593815	34	BT594592	110	BT596002	42	BT597218	142		
BT593815	97	BT594610	110	BT596002	55	BT597250	136		
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BT593820	88	BT594650	109	BT596002	72	BT597400	21		
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BT593830	109	BT594654	93	BT596002	98	BT597500	122		
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10-YEAR WARRANTY IMPORTANT INFORMATION

Please keep all documents in a safe place, as they constitute part of your purchase agreement.

As the original purchaser of our branded products, you receive a 10-year warranty on the material and surface condition, functional reliability and high standard of workmanship of all products under our BRILLIANT TOOLS brand in accordance with the quality and test specifications valid at the time of delivery.

The warranty includes the statutory 2-year warranty, only applies to new goods and is non-transferable.

The warranty does not affect statutory warranty claims, such as those concerning supplementary performance, rescission or compensation for damages.

Warranty terms and conditions.

The warranty shall be fulfilled through, at the warrantor's choice, repair or subsequent delivery and shall not be suspended nor interrupted through the performance of services, i.e. the warranty shall end ten years after the delivery date.

Proper transportation, assembly, connection and use by authorised specialist staff are a mandatory requirement for the warranty to be valid.

The relevant installation, safety and operating instructions as well as the enclosed assembly instructions apply to all electronic components.

The warranty does not cover ten years of a new condition.

No liability is accepted for damage of any kind resulting from collection by the customer, overloading, operating errors or changes to the delivery state or consumables.

Products used for demonstration purposes are also excluded from the warranty, as they no longer conform to new condition due to use and demonstration effects. The statutory two-year warranty applies and we recommend documenting signs of wear before the transfer of risk.

Material defects are generally repaired by the trade partner and only on presentation of the purchase agreement.

BrilliantTools[®]

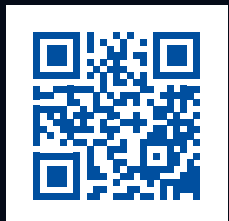
The following are not covered by the warranty:

- ❖ Normal and natural signs of wear
- ❖ Wear caused by excessive or improper use
- ❖ Damage that occurs through normal and natural wear during use by the purchaser
- ❖ Improper modifications by unauthorised persons
- ❖ Improper exposure to heat, moisture, liquids or care products
- ❖ Damage caused by pointed, sharp, hot or wet objects
- ❖ Environmental factors such as extreme dryness, humidity, light or temperature
- ❖ Intentional destruction, misuse, overloading or accidental damage
- ❖ Damage and soiling caused by heat sources or weather
- ❖ Discolouration caused by medication ingredients (toxic reaction)
- ❖ Any changes caused by substances containing acid, solvents or alcohol
- ❖ Unsuitable cleaning, repair or improvement attempts
- ❖ Moisture damage caused by standing water or condensation not being removed
- ❖ Characteristics typical of the product that do not constitute material defects



KS Tools Werkzeuge - Maschinen GmbH
Seligenstädter Grund 10-12
D-63150 Heusenstamm

www.brilliant-tools.com



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