

## ENGINE DIAGNOSTICS - compression, leakage, fuel injection

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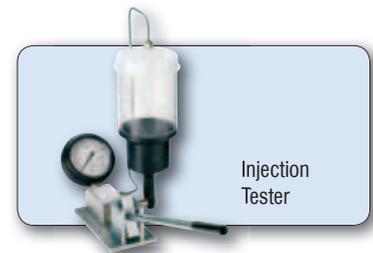
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## DIESEL Common Rail - diagnostics and special tools

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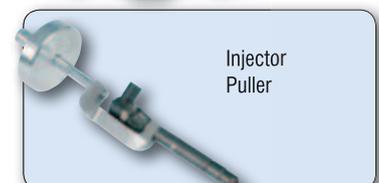
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Thickness gauge to lacquer

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Clutches SAC

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## Tool Factory No.s -> numbers HP - table

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## Figure adapter DIESEL to Deposition of the dimensions

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### Description of signs used in the catalog

**PETROL** The device or tools for only for petrol engines

**Art. 000 000 00**

Catalog number of article

**DIESEL** The device or tools for Diesel engines only

**+ Art. 000 000 00**

Catalog number of article additional. Articles that complement the device / tool primary not described elsewhere in the catalog.

**PETROL & DIESEL** The device or tools for to petrol engines and Diesel

**+ Art. 000 000 00**

Catalog number of additional article, supplementing the device / tool primary. Description of the article is elsewhere in the catalog.

## Compression pressure tester DIESEL with a set of adapters

## SPCS - 50 SK MASTER

**Art. 912 300 00**

**Description** In the tester threaded connections replaced by quick release screw connection, which greatly simplifies and accelerates the execution of the measurement. A pushbutton switch for starting the starter that allows for one-person operation of the tester is installed in the tester holder. The measurement is done by replacing the sprayer, or injector glow plug suitable measuring tip (adapter).

**Measuring range** 10 - 50 bar (1,0 - 5,0 MPa)

- Specification**
- Measuring instrument equipped with a handle compression in the starter switch and vent valve (trigger) 912 201 00
  - Pressure hose with non return valve 360 mm long 912 202 00
  - Electric wiring to start the engine 912 404 00
  - Angle connection M12 x 1,5 SK 912 203 00
  - Angle connection M14 x 1,5 SK 912 204 00
  - Quickrelease reductin M12 x 1,5 SK 912 205 00
  - Quickrelease reductin M14 x 1,5 SK 912 206 00
  - The registration Diagrams 100 pcs 609 195 00
  - Adapter (inspection tips) replacing spray tip: A, B, D, E, F 912 011 - 016 00
  - Adapters for measuring compression in place of the injectors 6 szt -->
  - Adapters for measuring compression in place glow plugs 9 szt -->

**Weight** 6,8 kg

**Additional equipment** **+ measuring Adapters** pages 8 - 13

**+ Adapter kits** page 13



Adapters in place glow plugs:

- 2 S 912 450 02
- 5 S 912 450 05
- 6 S 912 450 06
- 8 S 912 450 08
- 25 S 912 450 25
- 26 S 912 450 26
- 30 S 912 450 30
- 36 S 912 450 36
- 52 S 912 450 52

Adapters in place of the injector:

- 15 W 912 450 15
- 16 W 912 450 16
- 42 W 912 450 42
- 44 W 912 450 44
- 75 W 912 450 75
- 76 W 912 450 76

Description of application adapters in the table on pages 8-13

## Compression pressure tester PETROL with a set of adapters

## SPCS - 17,5 SK MASTER

**Art. 917 300 00**

**Description** Compression pressure tester for petrol engines with a record of the measurement. In order to simplify handling with in connect the quick couplers.

A pushbutton switch for starting the starter that allows for one-person operation of the tester is installed in the tester holder.

**Measuring range** 3 - 17,5 bar (0,3 - 1,75 MPa)

- Specification**
- Measuring instrument equipped with a handle compression in the starter switch 917 100 00
  - Pressure hose 360 mm long 917 002 00
  - Angle connection SK 90° 917 014 90
  - Electric wiring to start the engine 912 404 00
  - The registration Diagrams 100 pcs 917 105 00
  - Adapter M10x1/SK 50mm 917 030 50
  - Adapter M10x1/SK 100mm 917 030 80
  - Adapter M10x1/SK 250mm 917 030 70
  - Adapter M12x1,25/SK 50mm 917 031 50
  - Adapter M12x1,25/SK 100mm 917 031 80
  - Adapter M12x1,25/SK 250mm 917 031 70
  - Adapter M14x1,25/SK 50mm 917 032 50
  - Adapter M14x1,25/SK 160mm 917 010 00
  - Adapter M14x1,25/SK 250mm 917 032 70
  - Flexible adapter screwed into the hole candle M14x1,25 917 032 80
  - Rigid extension cord PD-17,5 SK with rubber cone 917 012 00
  - Reduction to measurement M18 917 011 00
  - Replacement valve return (2 szt) 916 050 00
  - Conical rubber bands set. 5 pcs 916 020 00

**Weight** 5,75 kg



**Additional equipment**

**+ measuring Adapters**

Special adapters screwed in place of the spark plugs. See page 16.



## Writing compression tester measurement and recording of connections to quick couplers **SPCS - 50 SK**

**Art. 912 200 00**

### Description

In the tester threaded connections replaced by quick release screw connection, which greatly simplifies and accelerates the execution of the measurement. A pushbutton switch for starting the starter that allows for one-person operation of the tester is installed in the tester holder. The measurement is done by replacing the sprayer, or injector glow plug suitable measuring tip (adapter).

### Measuring range

**10 - 50 bar** (1,0 - 5,0 MPa)

### Specification

- The compression recorder with the handle, in which is installed the tumbler-switch 912 201 00
- Pressure hose with non return valve 360 mm long 912 202 00
- Adapter measuring tips: A, B, D, E, F 912 011 - 016 00
- Electric wiring to start the engine 912 404 00
- Angled pipe couplings M12 x 1,5 SK 912 203 00
- Angled pipe couplings M14 x 1,5 SK 912 204 00
- Quick releasein reduction M12 x 1,5 SK 912 205 00
- Quick releasein reduction M14 x 1,5 SK 912 206 00
- Recording diagrams 100 pcs 609 195 00

### Weight

3,40 kg

### Additional equipment

**+ measuring Adapters** pages 8 - 13

**+ Art. 912 460 00**

Adapter kit MASTER  
Description below



**+ Adapter kits**

page 13

Adapters kits for  
to specific brands of cars.

## Kits of measuring Adapters for passenger cars and vans

## Adapters MASTER

**Art. 912 460 00**

### Description

Kit most popular measuring Adapters for tester Diesel Compression pressure - instead of glow plugs or injectors.

### Specification

- | Adapters in place glow plugs: |            | Adapters in place of the injector: |            |
|-------------------------------|------------|------------------------------------|------------|
| - <b>2 S</b>                  | 912 450 02 | - <b>15 W</b>                      | 912 450 15 |
| - <b>5 S</b>                  | 912 450 05 | - <b>16 W</b>                      | 912 450 16 |
| - <b>6 S</b>                  | 912 450 06 | - <b>42 W</b>                      | 912 450 42 |
| - <b>8 S</b>                  | 912 450 08 | - <b>44 W</b>                      | 912 450 44 |
| - <b>25 S</b>                 | 912 450 25 | - <b>75 W</b>                      | 912 450 75 |
| - <b>26 S</b>                 | 912 450 26 | - <b>76 W</b>                      | 912 450 76 |
| - <b>30 S</b>                 | 912 450 30 |                                    |            |
| - <b>36 S</b>                 | 912 450 36 |                                    |            |
| - <b>52 S</b>                 | 912 450 52 |                                    |            |

The use of Adapters - see table pages 8-13

### Weight

3,50 kg



## Compression pressure tester with the measurement record for Diesel engines **SPCS - 50**

**Art. 912 000 00**

**Description**

Controllable Compression Pressure Tester is a small-size and easy to use measuring instrument (with record function) for compression pressure measurements in Diesel engine cylinders. In the tester holder is installed a switch that allows one person to start the engine starter and take compression measurements. The measurement is done by replacing the sprayer corresponding measuring tip (adapter).

**Measuring range**

**10 - 50 bar** (1,0 - 5,0 MPa)

**Specification**

- The compression recorder with the handle, in which is installed the tumbler-switch 912 001 00
- Pressure hose with non return valve 300 mm long 912 002 00
- Adapters into injector slot (measuring tips) replace the spray: A, B, D, E, F 912 011 - 016 00
- Electric wiring to start the engine 912 404 00
- Angle connection M12 x 1,5 912 003 00
- Angle connection M14 x 1,5 912 004 00
- The registration Diagrams 100 pcs 609 195 00

**Weight**

2,10 kg

**Additional equipment**

**+ measuring Adapters** pages 8-13

**+ Art. 912 460 00**

Adapters kits MASTER  
Description page 4



**+ Adapter kits** page13

Adapters kits for to specific brands of cars.

## Manometric compression pressure tester for Diesel engines

## PCSm - 40

**Art. 910 000 00**

**Description**

Measuring adapters (measuring tips) are screwed in place of the glow plugs.

**Measuring range**

**0 - 40 bar** (0 - 4,0 MPa)

**Specification**

- Manometer with non return valve and relief valve **910 300 00**
- Adapters (measuring tip) in place of the glow plugs: **2 S (912 450 02) - All the older cars without the Japanese:** Opel, Peugeot, DB, VW, Ford, Seat, Fiat, Renault, Citroen, Land Rover, Alfa 145, 146, 155, 164
- 8 S (912 450 08) - VW, Audi, Seat, Skoda 1.9/2.5 TDI, BMW 1.8/2.5 TDS2.0/3.0 d (00-), Alfa 2.5 TD (95-98), Chrysler 2.5 TD (95-), Citroen/Peugeot 1.5/1.8/1.9, Dacia 1.5 dCi(05-), Fiat 1,9(DW8), Ford 1,9 TDI, 2,5 TD(Scorpio), Ford, Honda Accord 2.0, Land Rover 2,0(98-), 2,5Td5(99-), Mitsubishi 1.9, Nissan 1.5/1.9/2.2 D/dCi, Opel, Renault 1.5/1.9/2.1/2.2 DTI (94-), Rover, Volvo 1.9/2.5.**

**Weight**

0,80 kg

**Additional equipment**

**+ measuring Adapters** pages 8-13

**+ Art. 912 460 00**

Adapters kits MASTER  
Description page 4



**+ Adapter kits** page13

Adapters kits for to specific brands of cars.

**PETROL &**

**DIESEL**

**Electronic compression pressure tester**  
with a record of measurement for diesel and petrol engines

**MCS - 50**

**Art. 970 000 00**

**Description**

It is used for measuring and logging compression pressure in petrol and Diesel engines by means of adapters provided with the kit. While taking measurements, it is possible to observe increments of pressure on the instrument display. Measurement results are shown in form of bar charts, pressure values in Bars and compared in percents, with an option of printing. The instrument is powered by an internal battery inside the housing.

**Measuring range**

**0 - 50 bar (0 - 5,0 MPa)**

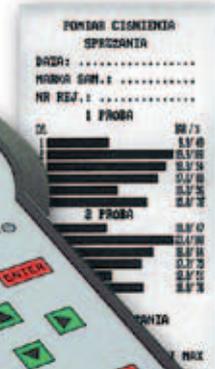
**Specification**

In the set:

- Compression tester with LCD 970 100 00
- Thermal printer 970 300 00
- Power supply for battery charging 970 350 00
- Recording paper for printer (1 roll) 970 300 10
- Pressure hose with non return valve 970 200 00
- Pressure sensor 970 150 00
- Adapter (measuring tips) for Diesel engines:
  - 1W** - Opel, Peugeot, DB, VW, Ford, Lancia, Rover, Mazda, Seat, Renault, Citroen 912 450 01
  - 2S** - Opel, Peugeot, DB, VW, Ford, Seat, Renault, Citroen 912 450 02
  - 15W** - VW, Mercedes, Audi, Opel, Fiat, Seat, BMW, Ford, Peugeot, Nissan, Renault, Rover, Volvo, Lancia, Citroen 912 450 15
- Angle connection M12 x 1,5 SK 912 203 00
- Angle connection M14 x 1,5 SK 912 204 00
- Quickrelease reductin M12 x 1,5 SK 912 205 00
- Quickrelease reductin M14 x 1,5 SK 912 206 00
- Adapters: (into injector slot) replace the spray: A, B, D, E, F 912 011 - 016 00
- Adapters for petrol engines:
  - M10 x 1 917 030 80
  - M12 x 1,25 917 031 80
  - M14 x 1,25 917 010 00
  - Reduction M18 x 1,5 917 011 00
  - Angle connection 90 917 014 90

**Weight**

7,00 kg two suitcases



**Additional equipment**

**+ measuring Adapters** pages 8 - 13

**+ Adapter kits** page 13

**+ Art. 912 460 00**

Adapters kits MASTER  
Description page 4



Adapters kits for  
to specific brands of cars.



## Measuring tips replaces spray of injectors in Diesel engine.

**Art. 912 015 00**

**Description** **TIP E**  
Measuring tip replaces sprayer of injectors in Diesel engine.  
Designed to tester: SPCS-50, SPCS-50 3A and SPCS-50 SK.

**Weight** 25 g



**Art. 912 016 00**

**Description** **TIP F**  
Measuring tip replaces sprayer of injectors in Diesel engine.  
Designed to tester: SPCS-50, SPCS-50 3A and SPCS-50 SK.

**Weight** 25 g



## Spare parts for Diesel pressure testers SPCS-50, SPCS-50 3A, SPCS-50 SK also PCSm-40

**Non-return valve SPCS-50 (3A), PCSm-40**

**Art. 912 002 10**



**Diagram cassette**

**Art. 912 007 00**



**Non-return valve SPCS-50 SK**

**Art. 912 202 10**



**Pressure hose SPCS - 50**

**Art. 912 002 00**



**The quick couplers SK**

**Art. 912 208 00**



**Pressure hose SPCS - 50 3A**

**Art. 912 502 00**



**Pressure relief valve**

**Art. 912 001 10**

For all models testers Diesel compression.



**Pressure hose SPCS - 50 SK**

**Art. 912 202 00**



## The registration Diagrams SPCS - 50, SPCS - 50 3A, SPCS - 50 SK

**Glass for tester**

**Art. 912 001 72**



**Art. 609 195 00**

**Description** The registration Diagrams to tester's SPCS-50, SPCS-50 3A and SPCS-50 SK.  
Package contains 100 pieces of diagrams.

**Weight** 30 g



**Tester lid**

**Art. 912 001 71**





## Adapters - measuring tips for diesel engines

divided into car brand

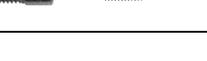
Mark of the vehicle	Glow plug	Injector
Alfa Romeo	2, 8, 33, 49, 52	15, 66, 81
Audi	2, 6, 8, 9, 10, 16, 26, 35, 36, 71	1, 12, 15, 16
BMW	2, 8, 10, 35	15, 76
Chrysler	2, 8, 25, 27, 35, 54, 73	64, 68, 75
Citroen	2, 3, 8, 10, 26, 29, 30, 33, 36, 50, 52, 70	1, 11, 15, 21, 24, 40, 46, 47, 69, 72, 80
Dacia	8, 2, 33	
Fiat	2, 8, 26, 33, 36, 49, 52, 73	1, 15, 20, 41, 58, 66, 68, 79, 80, 81
Ford	2, 5, 6, 8, 27, 28, 29, 30, 36, 87	1, 15, 43, 45, 64, 65, 72, 78, 80, 81
Honda	2, 8, 32, 39	
Hyundai	5, 6, 39	
Isuzu	5, 6, 32, 74, 85	19
Iveco	8, 2, 33	58
Jaguar	25, 29, 35, 50	
Jeep	2, 25	
Kia	5, 6, 10, 39	7, 18
Lancia	2, 28, 33, 36, 49, 52	1, 15, 64, 66, 68, 81
Land Rover	2, 8, 10, 25, 27	1
Mazda	2, 6, 29	1, 4, 23, 45
Mercedes	2, 3, 25, 27, 37, 54	1, 15, 44, 75, 82, 84
Mini	36, 74	
Mitsubishi	2, 5, 6, 8, 10, 71	4, 7
Nissan	2, 5, 6, 8, 10, 31, 38, 77	1, 4, 15
Opel	2, 6, 8, 10, 27, 32, 34, 35, 36, 38, 39, 49, 51, 52, 53, 56, 77, 85	1, 14, 15, 17, 67, 68, 76, 79
Peugeot	2, 3, 8, 26, 29, 36, 50, 70, 86	1, 15, 24, 40, 46, 47, 69, 72, 80
Renault	2, 8, 10, 25, 29, 31, 33, 32, 35, 38, 51, 77, 86	1, 15, 41, 42, 60, 67, 76, 79, 80, 81
Rover	2, 8, 10	1, 15, 41, 81
Saab	27, 32, 35, 49.	
Seat	2, 6, 8, 10, 36, 71	1, 13, 15, 16, 81
Skoda	2, 8, 26, 36, 71	16
Suzuki	2, 6, 29, 36	
Toyota	2, 5, 6, 34, 31, 39, 74	4, 7
Volkswagen	2, 6, 8, 9, 10, 26, 35, 36, 71	1, 12, 15, 16, 80
Volvo	2, 8, 10, 50	46
<b>Trucks - see also adapter DC page 12</b>		
DAF		57
DB		DC, 61, 62, 82, 84.
Man		DC, 61, 63.
Perkins		DC, 48.

## Adapters - measuring tips for Diesel engines

Adapters - measuring tips for compression pressure testers Diesel. Adapters are suitable for testers: MCS-50, SPCS - 50, SPCS - 50 3A, SPCS - 50 SK and PCSm - 40. Screw in place of the glow plugs or injectors: **W - injector**, **S - glow plug** connection to the screw thread.

No.	Photo	Application	Art. No.
1 W		Opel, Peugeot, DB, VW, Citroen, Ford, Lancia, Mazda, Nissan, Renault, Rover, Seat - older models.	912 450 01
2 S		All older cars without the Japanese: Opel, Peugeot, DB, VW, Ford, Seat, Fiat, Renault, Citroen, Land Rover, Alfa 145, 146, 155, 164.	912 450 02
3 S		All older cars: Mercedes, Peugeot.	912 450 03
4 W		Mazda, Toyota, Nissan, Mitsubishi (B-C-H).	912 450 04
5 S		Mitsubishi, Nissan, Toyota L., Ford Maverick 2,7D(93-96), Isuzu, Kia 2,5 D/Tci (02-), Hyundai 2,5 D/TD(91-98-),	912 450 05
6 S		Audi, Opel, Seat, Ford 2.7, Hyundai, Kia, Mazda, Mitsubishi, Nissan, Suzuki 2.0, Toyota Hiace, Land Cruiser 2.5., Isuzu 1.5, 2.0, 2.2, 2.4 D/TD, Mazda 2.0, 2.2, 2.5 D/TD, Mitsubishi Pajero 3,2 (03-), Opel 1,7(TC4EE1), 2,2(C223), VW Taro 2,4D(89-98),	912 450 06
7 W		Mitsubishi, Toyota C, Kia K 2700.	912 450 07
8 S		Vw, Audi, Seat, Skoda 1.9 / 2.5 TDI, BMW 1.8 / 2.5 TDS 2.0 / 3.0 d (00-), Alfa 2.5 TD (95-98), Chrysler 2.5 TD (95-), Citroen / Peugeot 1.5 / 1.8 / 1.9, Dacia 1.5 dCi(05-), Fiat 1,9(DW8), Ford 1,9 TDI, 2,5 TD(Scorpio), Ford, Honda Accord 2.0, Land Rover 2,0(98-), 2,5Td5(99-), Mitsubishi 1.9, Nissan 1.5/1.9/2.2 D/dCi, Opel, Renault 1.5/1.9/2.1/2.2 DTI (94-), Rover, Volvo 1.9 / 2.5.,	912 450 08
9 S		Audi A8 3.3 TDI, VW 2.5 V6, 3.3, 4.0.	912 450 09
10 S		Audi, VW 1.9 TDI (00-), BMW 2.5 / 3.0 (03-), Citroen, Kia Carens 2.0, Retona 2.0, Rio, Sportage, Land Rover 3.0 (02-), Mitsubishi Carisma 1.9 DI (02-), Nissan 1.5 dCi (03-), Opel Vivaro 1.9, Renault 1.5 / 1.9 dCi, Rover 2.0 / 3.0 (02-), Seat 1.9 (04-), Volvo 1.9 DCi.	912 450 10
11 W		Citroen Berlingo 1.9 (99).	912 450 11
12 W		Audi, VW 2.5, 2.8 TDI.	912 450 12
13 W		VW Polo 1.3 I, Seat.	912 450 13
14 W		Opel (without Corsa and Kadet with engine Isuzu).	912 450 14
15 W		Alfa Romeo, VW, Audi, Mercedes, BMW, Citroen, Fiat, Ford, Nissan, Lancia, Opel, Peugeot, Renault, Rover, Seat.	912 450 15
16 W		VW, Audi, Seat, Skoda 1.9 TDI.	912 450 16
17 W		Opel with engine Isuzu.	912 450 17
18 W		Kia Carnival.	912 450 18
19 W		Isuzu Midi 2.2 D.	912 450 19

You can order other types of adapters after prior contact with the manufacturer (distributor)  
Apply the required dimensions to the corresponding figure from the last page of the catalog and sent to the manufacturer.

No.	Photo	Application	Art. No.
20 W		Fiat Ducato 2.8 D.	912 450 20
21 W		Citroen Jumper 2.5 TDI.	912 450 21
23 W		Mazda 626.	912 450 23
24 W		Van: Peugeot and Citroen 2.5 D.	912 450 24
25 S		Mercedes (611 / 612 / 613) CDI 200 / 220 / 270 / 320 (98-), Sprinter CDI 208 / 211 / 213 / 216 / 308 / 311 / 313 / 316, Vito CDI (98-), Chrysler 2.2 (02-), Jeep Grand Cherokee 2.7 / 3.0 (02-), Land Rover 2.5, Jaguar 2.0 (03-).	912 450 25
26 S		Audi, VW, Skoda V6 2.5 TDI (98-), Citroen/Peugeot 2.0/2.2 HDI (99-), Jumper 2.5 TDI, Fiat 2.0 / 2.2 JTD (DW12).	912 450 26
27 S		Opel: Astra / Frontera / Omega / Sintra / Vectra 2.0 / 2.2 / 2.5 / DTI (97-), Opel DTL, Saab 9-3 T1D 2.2 (98-), Chrysler 2.2 CRD, Ford 2.0TDCi (07-) Mercedes A 1.7 CDI, Mercedes 2.2, 2.7 CDI, Alpina 3.0,	912 450 27
28 S		Ford: Fiesta, Focus 1.8 TDCi (98-), Lancia 2.0 / 2.2 JTD (02-).	912 450 28
29 S		FORD: Fiesta, Furio 1.4 TDCi; CITROEN / PEUGEOT 1.4, 1.6 HDI (02-), PEUGEOT 1.6, 1.8, 1.9 (98-), RENAULT: Avantime, Master dCi 2.2 (00-), Jaguar 2.7 (04-), Mazda 1,4CD (03-)	912 450 29
30 S		Ford Mondeo 2.0 TDCi; Transit 2.0, 2.3, 2.4 Dura Torq (00-), Citroen Jumper 2,2 HDI(06-), Ford 1,8 TDCi	912 450 30
31 S		Nissan Terano/Patrol 3.0 D (02-) Peugeot Boxer 3.0 HDI ZD3	912 450 31
32 S		Honda 1.7 / 2.2 CDTI (02-), Isuzu 2.0 DTI (99-), Opel 1.7 DTI / CDTI (00-04), Opel 3,0 V6 CDTI (03-), Renault 3.0 Dci (02-), Saab 3.0TiD(01-)	912 450 32
33 S		Alfa Romeo 146/166, Fiat, Lancia 1.9/2.4 JTD (97-), Fiat Ducato 2.8D, Iveco 2.5D/2.8D(98-), Citroen Jumper 2.8 HDI (00-), Renault Master (98-), Hummer 6.5D (92-)	912 450 33
34 S		Opel: Astra, Corsa, Combo, Vectra 1.5 / 1.7 / D / TD; Opel 1,7 D, TDS Astra, Combo with engine Isuzu TI,CDTI (00-04).	912 450 34
35 S		Audi / VW 1.9, 2.0 / 2.0 PD (04-), Audi 2.7/3.0 V6 (04-) VW Phaeton 3.0 V6 (04-) 5.0 V10 (02-),BMW 3.9, 4.4 (05-), Chrysler 2.5, (00-), 2.8 CRD (04-), Jeep Cherokee 2.5(01-), 2.8 (04-), Opel Movano 2.2 DTI, Renault: Laguna, Master, Avantime 2.2 dCi (00-), Opel Vivaro 2.5, Saab X 22 DTH,D223L (98-00)	912 450 35
36 S		Fiat 1.3 JTD, Opel 1.3 D (Z13DT), Opel Corsa 1.3 CDTI, Lancia Y (03-), Citroen/Peugeot 1.4, 1.6 HDI (05-), Ford 1.4, 1.6 TDCi (04-), Suzuki 1,3 DDiS (03-), Mini D 1,6 (07- )	912 450 36
37 S		Mercedes C, E, G : 200, 220, 250,300 D/TD (93-01) Engines: OM 604, 605, 606; Puch 300 TD (96-) OM 606	912 450 37
38 S		Opel Movano, Vivaro: 2.2, 2.5 DTI (00-), Renault Avantime, Master II, Trafic II 1.9 dCi (F9Q762 ), 2.2 dCi, 2.5dCi, Nissan Almera, Interstar, Pathfinder, Primastar, X-Trail 2.2 Di/dCi, 2,5 dCi.	912 450 38
39 S		Honda 2.5 TD, Hyundai 2.5 CRDi (03-), Kia Sorento 2.5 CRDi (02-), Land Cruiser 3.0, Preria 2.0, Rav 4 2.0 (01-), Toyota Aven-sis, Dyna, Hiace, Hilux 2,5 (01-)/ 2.0 D4-D; Toyota Land Cruiser 3.0 (02-), Previa RAV 4 2.0 (01-)	912 450 39

You can order other types of adapters after prior contact with the manufacturer (distributor)  
Apply the required dimensions to the corresponding figure from the last page of the catalog and sent to the manufacturer.



No.	Photo	Application	Art. No.
40 W		Citroen, Peugeot 2.0 HDI	912 450 40
41 W		Renault 1,5 Cdi, Fiat 2,0 JTD , Rover 2,0 CDTi	912 450 41
42 W		Renault 1.9 dTi, 2.5 Tdi.	912 450 42
43 W		Ford TDCI 1.8 Dura Torq.	912 450 43
44 W		Mercedes with engines: OM 611,612,613 . CDI 1.7, 2.2, 2.7, 3.0, 3.2 (98- )	912 450 44
45 W		Ford, Mazda 2.0 TDCI.	912 450 45
46 W		Citroen, Peugeot 2.2 HDI 16V, Volvo	912 450 46
47 W		Citroen, Peugeot 1.4 HDI 8V (DV 4TD).	912 450 47
49 S		Alfa Romeo 147, 156, 159, 166, Brera, Spider engines 1.9, 2.4 JTD Multijet (03- ), Fiat Brava 1.9 D Multijet(07-), Croma 1.9, 2.4 Multijet (05- ), Stilo 1.9 JTD, Multijet engines 192A5, 937 A5(04- ), Lancia Thesis 2.4 JTD siln.841G000 (03- ), Opel Astra H, Signum, Vectra C, Zafira 1.9 CDTI engines: Z 19DT+Z 19 DTH (04- ), Saab 9-3 1.9 Z 19DT+Z19DTH (04- )	912 450 49
50 S		Citroen C6, Peugeot 607 2.7 HDI 24V sil.DT17ED4 (04- ), Jaguar S-Type 2.7 D (04- ), Volvo S60, S80, V 70 II siln. D 5244 T, T2, (01- )	912 450 50
51 S		Opel Vectra 2.0 / 2.2 CDTI (03-), Vivaro 2.5 (03-), Renault Master 2.8.	912 450 51
52 S		Alfa Romeo 1.9 JTD, JTDm 8V, 2.4 JTD:146, 147, 156, 159, 166 (99- ), Citroen Jumper 2.8 HDI (00- ), Fiat 1.9 JTD Bravo, Brava, Croma (05-) (Multijet 88KM), Marea 1.9JTD 105, 110, 2.4 JTD 130, Multipla (01- ) Punto (99-) siln.188A2, 188A7, 188B2 , Sedici(06-), Strada(03-), Lancia Kappa 2.4 JTD 838A8, Lybra 1.9, 2.4 JTD (99- ), Musa 1.9 JTD, Thesis 2.4 JTD 841C, Opel 1.9 CDTI Astra H Z 19DT(05-07), Chevrolet Impala, Malibu, Monte Carlo 4.3, 5.7	912 450 52
53 S		Chevrolet Silverado, Sierra 6.6 (01- ), Opel Monterey B 3.0 DTI , Isuzu 3.2 (00- ), Mitsubishi Pajero 3.2	912 450 53
54 S		Chrysler Crusier, Touring, 300C : 2.2, 3.0 CRD (02-), Mercedes engines : OM 629, 640, 642, 646 A (04-), B (05-) 2.0 CDI, C 3.0 CDI , CLK 2.2 CLS 3.2E, GL/M/S: 3.0, 4.0 (04- ),	912 450 54
55 S		Smart 1,5 CDI (04- )	912 450 55
56 S		Opel Antara 2.0 CDTI (adapter with hose)	912 450 56
58 W		Fiat Ducato, Iveco 2.8 JTD.	912 450 58
60 W	<b>NEW</b>	Renault 2.2 dCi	912 450 60
64 W		Ford, Lancia, Chrysler 2.5 TD - engine with 4-piece head.	912 450 64
65 W		Ford 2.0 / 2.4 Dura Torq - Transit, Mondeo.	912 450 65
66 W		Fiat 2.4 JTD Ducato, Alfa Romeo 156, 166, Lancia 1.9 JTD.	912 450 66

You can order other types of adapters after prior contact with the manufacturer (distributor)  
Apply the required dimensions to the corresponding figure from the last page of the catalog and sent to the manufacturer.



No.	Photo	Application	Art. No.
67 W		Renault Master, Opel Movano 2.2 D, 2.5 DTI	912 450 67
68 W		Fiat 1.3 JTD, Opel 1.3 D (Z13DT), Chrysler 2,5	912 450 68
69 W		Citroen, Peugeot 1,6 HDI	912 450 69
70 S		Citroen, Peugeot 2,2 HDI (06- )	912 450 70
71 S		Audi, VW, Seat, Skoda 2,0 TDI/PD (03- ) siln. BKB, BKD, AZV, BMN, BKP, BMR; Mitsubishi Grandis 2.0 DI-D (05-)	912 450 71
72 W		Ford Mondeo, S-Max, Galaxy, Transit, Peugeot Boxer III, Citroen Jumper, (Silnik „Puma” 2.0/2.2 TDCI)	912 450 72
73 S		Fiat Ducato 2,3 JTD (02-)	912 450 73
74 S		Toyota Yaris 1.4D-4D (01-), Mini One D 1,4 (03- )	912 450 74
75 W		Mercedes engines.: OM601, 602, 603 , 604, 605, 606 , 200 D, 250 D, 300D (93- )	912 450 75
76 W		BMW TDS, Renault, Opel 2.5 TD.	912 450 76
77 S	<b>NEW</b>	Renault 2.0dCi / 3.0dCi M9R (also Nissan and Opel Vivaro)	912 450 77
78 W		Ford Transit 2.5 I (finger's).	912 450 78
79 W		Fiat D (Iveco, Ducato and personal, direct injection), Renault Master 2.5/2.8 DTI (S9W), Opel Movano	912 450 79
80 W		Fiat D direct injection, VW, Ford, Peugeot, Renault, Citroen.	912 450 80
81 W		Ford Transit 2.5 (old type), Alfa Romeo, Fiat, Ford, Lancia, Renault, Rover, Seat.	912 450 81
82 W		Mercedes 508 / 608 engine 300.	912 450 82
84 W		Mercedes 2.9D - Sprinter	912 450 84
85 S		Isuzu 2,8TD (87-91), Opel Campo 2.5 D( 94-01- ) Frontiera-2.8TD (95-)	912 450 85
86 S	<b>NEW</b>	Peugeot Boxer III 2.0 / 2.2 HDI	912 450 86
87 S		Ford USA 6,0 I	912 450 87
88 S	Without picture	<b>NEW</b> Smart 0.8 CDI	912 450 88
89 W	Without picture	<b>NEW</b> Fiat Ducato 2.3 and 3.0 JTD	912 450 89
90 W		Engine 4C90 Andoria (Lublin, Żuk).	912 450 90
91 W	Without picture	<b>NEW</b> BMW, Land Rover Freelander II 2.0 Common Rail	912 450 91

You can order other types of adapters after prior contact with the manufacturer (distributor)  
Apply the required dimensions to the corresponding figure from the last page of the catalog and sent to the manufacturer.

**Diesel kits adapters for selected car brands**

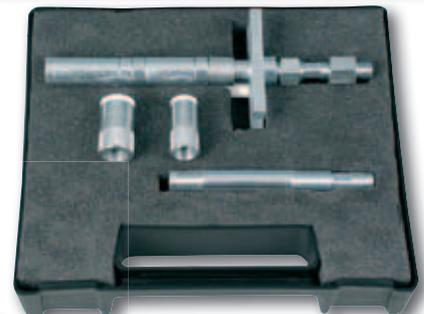
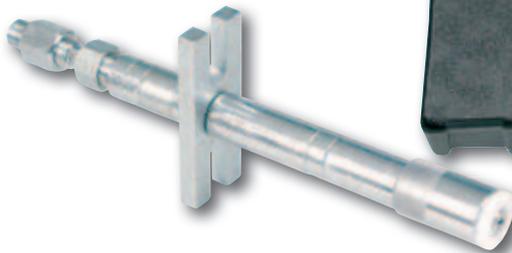
<b>1. Fiat / Alfa Romeo / Lancia</b>	9 adapters for glow plugs + 11 adapters for injectors	<b>Art. 912 461 00</b>
<b>2. PSA (Citroen / Peugeot)</b>	13 adapters for glow plugs + 11 adapters for injectors	<b>Art. 912 462 00</b>
<b>3. Ford</b>	9 adapters for glow plugs (adapter 87 not included) + 10 adapters for injectors	<b>Art. 912 463 00</b>
<b>4. Mercedes</b>	6 adapters for glow plugs + 6 adapters for injectors	<b>Art. 912 464 00</b>
<b>5. Opel</b>	18 adapters for glow plugs + 8 adapters for injectors	<b>Art. 912 465 00</b>
<b>6. Renault</b>	13 adapters for glow plugs + 10 adapters for injectors	<b>Art. 912 466 00</b>
<b>7. VW / AUDI / Seat / Skoda</b>	10 adapters for glow plugs + 4 adapters for injectors	<b>Art. 912 467 00</b>

**Adapter DC for trucks in place of the injectors mounted on the yoke**
**Adapter DC**
**Art. 912 452 00**

**Description** Measuring tip for the Diesel compression tester - in place of the injectors mounted on the yoke. It is particularly useful for trucks. Adapter construction lets you adjust its dimensions to dimensions of the injector.

<b>Specification</b>	- Body long	912 452 10
	- Body short	912 452 20
	- Spacer sleeves 6 pc	912 452 30
	- Tip diam. 17 mm	912 452 40
	- Tip diam. 21 mm	912 452 50
	- Large yoke	912 452 60
	- Lmall yoke	912 452 61

**Weight** 1,00 kg


**Adapters - measuring tips for Diesel engines to trucks**

Adapters - measuring tips for compression pressure testers Diesel. Adapters are suitable for testers: MCS-50, SPCS-50, SPCS-50 SK and PCSm-40.

No.		Application	Art. No.
48 W		Perkins - forklift trucks, construction equipment	912 450 48
57 W		DAF GS 200 M0075 (6 CYL TD 200 kW)	912 450 57
61 W		Trucks - MAN 2866, 2566, ... DB OM 401, 421, 441.	912 450 61
62 W		Trucks - DB OM 352, 422, ....	912 450 62
63 W		Trucks - MAN 0826, 0824, ....	912 450 63

You can order other types of adapters after prior contact with the manufacturer (distributor)  
Apply the required dimensions to the corresponding figure from the last page of the catalog and sent to the manufacturer.

## Compression pressure tester with a set of adapters

## SPCS - 17,5 SK MASTER

**Art. 917 300 00**

<b>Description</b>	Compression pressure tester for petrol engines with a record of the measurement. In order to simplify handling in connection with the quick couplers. A pushbutton switch for starting the starter that allows for one-person operation of the tester is installed in the tester holder.
<b>Measuring range</b>	<b>3 - 17,5 bar</b> (0,3 - 1,75 MPa)
<b>Specification</b>	<ul style="list-style-type: none"> <li>- Measuring compression instrument equipped with a handle in the starter switch 917 100 00</li> <li>- Pressure hose 360 mm 917 002 00</li> <li>- Angle connection SK 90° 917 014 90</li> <li>- Electric wiring to start the engine 912 404 00</li> <li>- The registration Diagrams 100 pcs 917 105 00</li> <li>- Adapter M10/SK 50mm 917 030 50</li> <li>- Adapter M10/SK 100mm 917 030 80</li> <li>- Adapter M10/SK 250mm 917 030 70</li> <li>- Adapter M12/SK 50mm 917 031 50</li> <li>- Adapter M12/SK 100mm 917 031 80</li> <li>- Adapter M12/SK 250mm 917 031 70</li> <li>- Adapter M14/SK 50mm 917 032 50</li> <li>- Adapter M14/SK 160mm (standard) 917 010 00</li> <li>- Adapter M14/SK 250mm 917 032 70</li> <li>- Flexibel adapterela M14 917 032 80</li> <li>- Rigid extender PD-17,5 SK with conical rubber 917 012 00</li> <li>- Reduction pomiarowa M18 917 011 00</li> <li>- Reserve non-return valve (2 szt) 916 050 00</li> <li>- Conical rubber bands set. 5 szt 916 020 00</li> </ul>
<b>Weight</b>	5,75 kg



### Additional equipment

#### + measuring Adapters

Special adapters screwed in place of spark plugs.  
See page 16

**PETROL &**

**DIESEL**

## Electronic compression pressure tester with a record of measurement for diesel and petrol engines

## MCS - 50

**Art. 970 000 00**

<b>Description</b>	While taking measurements, it is possible to observe increments of pressure on the instrument display. Measurement results are shown in form of bar charts, pressure values in Bars and compared in percents, with an option of printing. The instrument is powered by an internal battery.
<b>Measuring range</b>	<b>0 - 50 bar</b> (0 - 5,0 MPa)
<b>Specification</b>	The exact description of the tester is on the page 6



## Compression tester with the measurement record and connections to quick couplers

**SPCS - 17,5 SK**

**Art. 917 000 00**

**Description**

Compression pressure tester for petrol engines with a record of the measurement. In order to simplify handling equipped a connection with the quick couplers.  
A pushbutton have switch for starting the starter that allows for one-person operation of the tester is installed in the holder to tester.

**Measuring range**

**3 - 17,5 bar** (0,3 - 1,75 MPa)

**Specification**

- Measuring compression instrument equipped with a handle in the starter switch 917 100 00
- Pressure hose 360 mm 917 002 00
- Adapter SK 160 mm - M14x1,25 917 010 00
- Reduction pomiarowa M18x1,5 917 011 00
- Angle connection SK 90 ° 917 014 90
- Electric wiring 912 404 00
- The registration Diagrams 100 pcs 917 105 00

**Weight**

2,80 kg

**Additional equipment**

**+ measuring Adapters**

Special adapters screwed in place of spark plugs.  
See page 16



## Manometric compression pressure tester with connections to quick couplers

**PCSm - 16 SK**

**Art. 908 000 00**

**Description**

Manometric compression pressure tester for petrol engines with the quick couplers.  
On equipped adapter screwed into the spark plug hole.

**Measuring range**

**0 - 16 bar** (0 - 1,6 MPa)

**Specification**

- Pressure gauge with pressure hose, drain valve and return valve 908 100 00
- Adapter (measuring tip) - M14x1,25 917 010 00

**Weight**

0,80 kg

**Additional equipment**

**+ Art. 917 011 00**

Reduction M18x1,5 / M14x1,25



**+ measuring Adapters**

Adapters screwed in place of spark plugs.  
See page 16



## The registration Diagrams SPSC-17,5 SK

**Art. 917 105 00**

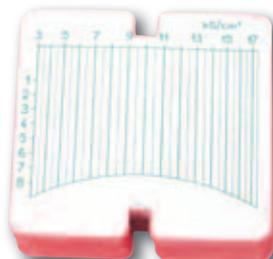
**Description**

The registration Diagrams to tester's SPSC-17,5 SK

Package contains 100 pieces of diagrams.

**Weight**

30 g



## Angled pipe couplings SK

for testers SPCS - 17,5 SK  
PCSm - 16 SK

**Art. 917 014 90**

Angled pipe couplings SK 90°



**Art. 917 014 45**

Angled pipe couplings SK 135°



Pipe couplings can be used as optional accessories for any types of testers equipped with quick-acting connectors



# Diagnostics Compression PETROL - ADAPTERS

**ADAPTERS SK** - to testers SPCS-17,5 SK / PCSm-16SK / MCS-50  
- to SPCS-15 - with reduction SPCS-15/SK Art.916 110 00 (page 17)

## THREADED ADAPTERS M10x1

Description

Adapters for compression testers PETROL screwed in the spark plug hole.

Art. 917 030 70



260mm

Art. 917 030 80



110mm

Art. 917 030 50



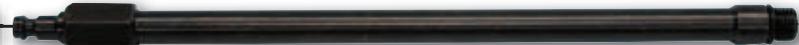
50mm

## THREADED ADAPTERS M12x1,25

Description

Adapters for compression testers PETROL screwed in the spark plug hole.

Art. 917 031 70



260mm

Art. 917 031 80



110mm

Art. 917 031 50



50mm

Art. 917 033 80



370mm

Art. 917 031 75



260mm

M12x1,25 long thread

## THREADED ADAPTERS M14x1,25

Description

Adapters for compression testers PETROL screwed in the spark plug hole.

Art. 917 032 70



250mm

Art. 917 010 00



150mm

Art. 917 032 50



50mm

Art. 917 032 80



370mm

Art. 917 032 88



370mm

M14x1,25 long thread FORD

## Rigid extender pressed a candle into the hole 260 mm

PD-17,5 SK

Art. 917 012 00

Description

For compression tester SPCS-17,5 SK; MCS-50 and PCSm-16 SK (quick couplers connection). Length 260 mm. On equipped 3 conical rubber bands.



Weight

0,20 kg

## Spare parts for compression tester PETROL

SPSC-17,5 SK

The quick couplers SK

Art. 912 208 00



Non-return valve

Art. 916 050 00



Pressure relief valve

Art. 912 001 10



Glass for tester

Art. 912 001 72



Diagram cassette

Art. 912 007 00



Tester lid

Art. 912 001 71





## Compression pressure tester with the measurement record

**SPCS - 15**

**Art. 916 000 00**

<b>Description</b>	Compression tester with a record of measurement for petrol engines. A pushbutton have switch for starting the starter that allows for one-person operation of the tester is installed in the holder to tester.	
<b>Measuring range</b>	<b>3 - 15 bar</b> (0,3 - 1,5 MPa)	
<b>Specification</b>	<ul style="list-style-type: none"> <li>- Measuring compression instrument equipped with a handle in the starter switch 916 100 00</li> <li>- Rigid extender 120 mm 916 010 00</li> <li>- Flexible extension cord 400 mm 916 011 00</li> <li>- Electric wiring 916 002 00</li> <li>- Conical rubber bands 3 pieces:               <ul style="list-style-type: none"> <li>- diameter 24 mm 3 pieces 916 020 24</li> <li>- diameter 20 mm 1 piece 916 020 20</li> <li>- diameter 16 mm 1 piece 916 020 16</li> </ul> </li> <li>- The registration Diagrams 200 pieces (2 set.) 916 105 00</li> </ul>	
<b>Weight</b>	1,60 kg	
<b>Additional equipment</b>	See below	



### Rigid extender 260 mm

**PD-15**

**Art. 916 012 00**

**Description** For compression tester SPCS-15 (connector threaded).

**Weight** 0,20 kg



### The registration Diagrams

**SPSC-15**

**Art. 916 105 00**

**Description** The registration Diagrams to tester's SPCS-15

Package contains 100 pieces of diagrams.

**Weight** 32 g



### Conical rubber bands set 5 pc for testers SPCS - 15

**Art. 916 020 00**

**Description**

- 2 pieces diameter 24 mm 916 020 24
- 2 pieces diameter 20 mm 916 020 20
- 1 piece diameter 16 mm 916 020 16

**Weight** 50 g



### Reducing nipple SPCS-15 / SK

**Art. 916 110 00**

Reducing nipple allows you to see all the extra adapters with quick coupling with the tester type SPCS-15



## Spare parts for compression tester PETROL

**SPCS-15**

#### Non-return valve

**Art. 916 050 00**



#### Diagram cassette

**Art. 912 007 00**



#### Glass for tester

**Art. 912 001 72**



#### Tester lid

**Art. 912 001 71**



PETROL &

DIESEL

Cylinder Leakage Tester

PSC

**Art. 930 000 00**

**Description**

Cylinder Leakage Tester is designed to assess the state of technical petrol and Diesel engines.  
The device can also be used to diagnose other equipment such as compressors or pumps, where the parameter is the tightness.  
Tester is a device measuring pneumatic, is a powered from an external source of compressed air.  
Leakage measurement is performed in the cylinder piston GMP, which is used to gauge 930 500 00.

**Specification**

- The measuring device with manometer's indicator 930 001 00
- 0 - 100 % (kl. 1,6) 930 002 00
- Measuring hose with quick coupling 912 205 00
- Reduction M12/SKSK - for adapters Diesel (1pc) 930 100 00
- Rubber seals (O-rings)
- **Adapters for petrol engines 5 pieces:**  
  M10x1, M12x1,25, M14x1,25 - 2pc, M18x1,5
- **Adapters for diesel engines 7 pieces:**  
  2S, 6S, 8S, 26S, 36S, 44W, 75W  
  Description of the adapters in the table on pages 8-13

**Weight**

4,15 kg

**Additional equipment**

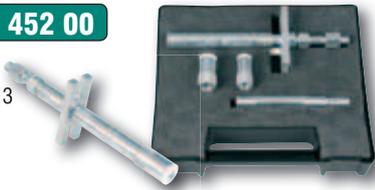
**+ Art. 930 500 00**

Gauge GMP  
Description below



**+ Art. 912 452 00**

Adapter DC  
Description page 13



**+ Adapters Diesel**

See pages 8-13



PETROL &

DIESEL

Top dead center indicator piston position

GMP

**Art. 930 500 00**

**Description**

Pneumatic indicator with a scale for determining the upper dead center of piston, which is useful for example to measure the leakage cylinders.

**Specification**

- Indicator with scale 930 501 00
- Flexible hose 930 502 00
- Handle 930 503 00
- Rubber conical diameter 16 mm 916 020 16
- Rubber conical diameter 20 mm 916 020 20
- Rubber conical diameter 24 mm 916 020 24
- Packaging - plastic suitcase

**Weight**

0,60 kg





## Diagnostic device for petrol injection engines

**JETRONIK SK**

**Art. 922 000 00**

**Description** Diagnostic kit for engines with petrol injection (with connections at quick couplers). Enables measurement engine's of petrol injection engine electronic or mechanical.

The device applies to:

- Control of injector leakage.
- Control of the fuel system leak connections
- Checking the fuel pump.
- Control quantities of served fuel .
- Control of the fuel regulator.

- Specification**
- 25 connectors adapted to most vehicles
  - **Measuring tips** - with valve needle opening (to the diagnostic connector with valve):
    - 32 - Opel Motronic: 1.5, 2.5, 4.0** 922 132 00
    - 33 - Ford, Ford Zeta and SEFi, Volvo 850** 922 133 00
    - 59 - Fiat, Alfa, Lancia (98 - )** 922 159 00
  - **Hose connecting 2 m** 922 125 00
  - Manometer 0 - 10 bar 922 003 00
  - **Manometer additional 0 - 2,5 bar** 922 204 00
  - **Vacuometr -1 to 3 bar** 922 205 00
  - Hoses connecting 3 pieces 922 009 00
  - Three-way valve 922 020 00
  - Drain valve 922 030 00
  - Teflon gasket complete 922 150 00
  - Plastic case 922 300 00

**Weight** 3,60 kg

**Additional equipment** See next page.



## Diagnostic device for petrol injection engines

**mini JETRONIK SK**

**Art. 922 400 00**

**Description** Diagnostic basic kit for engines with petrol injection.

- Specification**
- Manometer 0-10 Bar 922 003 00
  - Hose connecting 1 piece 922 009 00
  - Reinforce tees on hoses ø 6 922 007 02
  - Reinforce tees on hoses ø 8 922 007 01
  - Hose ø 6 with headband (100 mm) 922 000 10
  - Hose ø 8 with headband (100 mm) 922 000 11
  - Package - plastic case

**Weight** 1,00 kg

**Additional equipment** See next page.



## Manometer additional 0 - 2,5 bar for Jetronik SK

**Art. 922 204 00**

**Description** Manometer additional 0 - 2,5 bar to tester Jetronik SK. This manometer allows accurate measurements at lower controlled pressure ranges. For injection systems single point.

**Weight** 0,20 kg

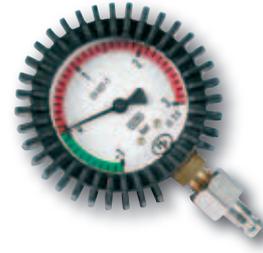


## Vacuometr -1 to 3 bar for Jetronik SK

**Art. 922 005 00**

**Description** Vacuometr -1 to 3 bar to tester Jetronik SK. Vacuometr allows you to control the vacuum in the intake manifold pipes during the test the fuel regulator.

**Weight** 0,20 kg



## Additional tips set. 7 pc

**to Jetronik SK**

**Art. 922 100 00**

**Description** Set of 7 pieces of additional tips to Jetronik Tester SK.

- Specification**
- Measuring tips - with needle valve opening (to the diagnostic connector with valve):
    - 32 - Opel Motronic: 1.5, 2.5, 4.0 922 132 00
    - 33 - Ford, Ford Zeta and SEFi, Volvo 850 922 133 00
  - Measuring tips - to the connectors rings for connecting the pressure gauge:
    - 41 - M8 x 1 922 141 08
    - 42 - M10 x 1 922 142 10
    - 43 - M12 x 1,25 922 143 12
    - 44 - M12 x 1,5 922 144 13
    - 45 - M14 x 1,5 922 145 25

Packaging - plastic suitcase

**Weight** 0,50 kg



## Hose connecting 2 m to Jetronik SK

**Art. 922 125 00**

**Description** Hose connecting 2 m to tester Jetronik SK.

Hose allows to measure and observe manometer in the cab while driving a car.

**Weight** 0,30 kg



## Angled pipe couplings SK to Jetronik SK

**Art. 917 014 90**

**Description** Angled pipe couplings SK 90°.

Can be used as an accessory for all models testers equipped with quick couplers connection.

**Weight** 60 g



**Description** Angled pipe couplings SK 135°.

**Art. 917 014 45**

**Weight** 60 g



## Additional tips to Jetronik SK

- |             |                                   |                        |             |   |                        |
|-------------|-----------------------------------|------------------------|-------------|---|------------------------|
| Description | 46 - Toyota, Volvo - M10          | <b>Art. 922 146 00</b> | Description | 54 - Opel, Ford (with needle valve opening)                       | <b>Art. 922 154 00</b> |
|             |                                   |                        |             |   |                        |
| Description | 47 - Toyota, Volvo - M8           | <b>Art. 922 147 00</b> | Description | 55 - Hyundai  | <b>Art. 922 155 00</b> |
|             |                                   |                        |             |   |                        |
| Description | 48 - Ford CFI, Fiat Punto (00 - ) | <b>Art. 922 148 00</b> | Description | 56 - Mitsubishi (Colt, Galant, Lancer, Space Wagon, Space Runner) | <b>Art. 922 156 00</b> |
|             |                                   |                        |             |   |                        |
| Description | 49 - Ford EFI                     | <b>Art. 922 149 00</b> | Description | 57 - Daimler-Benz M111 - C180, S-class                            | <b>Art. 922 157 00</b> |
|             |                                   |                        |             |   |                        |
| Description | 50 - Jaguar, Opel                 | <b>Art. 922 150 00</b> | Description | 58 - Fiat, Alfa Lancia (98 - ) Diesel and Common-Rail             | <b>Art. 922 158 00</b> |
|             |                                   |                        |             |   |                        |
| Description | 51 - Opel 1.4 (97 - )             | <b>Art. 922 151 00</b> | Description | 59 - Fiat, Alfa, Lancia (98 - ) with needle valve opening         | <b>Art. 922 159 00</b> |
|             |                                   |                        |             |   |                        |
| Description | 52 - Rover                        | <b>Art. 922 152 00</b> | Description | 60 - Fiat, Alfa, Lancia (98 - ) petrol engines                    | <b>Art. 922 160 00</b> |
|             |                                   |                        |             |   |                        |
| Description | 53 - Rover                        | <b>Art. 922 153 00</b> |             |   |                        |
|             |                                   |                        |             |   |                        |

## Connecting hoses for Daewoo to Jetronik SK

- |             |   |                        |
|-------------|---|------------------------|
| Description | Connecting hoses for a car Daewoo. Hoses to Jetronik Tester SK. Equipped with special connector for plugging the car's fuel system. | <b>Art. 922 250 00</b> |
| Weight      | 0,20 kg   |                        |
|             |   |                        |

## Connecting hoses for Citroën to Jetronik SK

- |             |   |                        |
|-------------|---|------------------------|
| Description | Connecting hoses for a car Citroën. Hoses suitable for measuring instrument Jetronik Tester SK. Equipped with special connectors for plugging to fuel supply system in the car. | <b>Art. 922 260 00</b> |
| Weight      | 0,20 kg   |                        |
|             |   |                        |

## Oil Pressure Tester with ability to check the sensor

**PCO - 10 C**

**Art. 914 000 00**

<b>Description</b>	Oil pressure tester for petrol engines and Diesel with the possibility of simultaneously checking the oil pressure sensor whilst off the test engine. It is designed to measure oil pressure in engines with pressurized lubrication system.	
<b>Measuring range</b>	<b>0 - 10 bar</b> (0 - 1,0 MPa)	
<b>Specification</b>	- Manometer with pressure hose	914 300 00
	- Adapter (measuring tip):	
	- T1 - M10 x 1	914 202 01
	- T2 - M12 x 1,5	914 202 02
	- T3 - M14 x 1,5	914 202 03
	- Measuring reductions:	
	- R1 - M12 x 1,5	914 202 04
	- R2 - M14 x 1,5	914 202 05
	- Electrical cable	914 440 00
	- Copper gaskets 6 pieces	914 430 00
	- Rubber seals 2 pieces	914 430 10
<b>Weight</b>	1,30 kg	



**Additional equipment**

**+ Art. 914 202 00**

Additional tips.  
Description page 23



## Oil Pressure Tester

**PCO - 10**

**Art. 914 500 00**

<b>Description</b>	Oil pressure tester for petrol engines and Diesel. It is designed to measure oil pressure in engines with pressurized lubrication system.	
<b>Measuring range</b>	<b>0 - 10 bar</b> (0 - 1,0 Mpa)	
<b>Specification</b>	- Manometer with pressure hose	914 510 00
	- Adapter (measuring tip):	
	- T1 - M10 x 1	914 202 01
	- T2 - M12 x 1,5	914 202 02
	- T3 - M14 x 1,5	914 202 03
<b>Weight</b>	0,75 kg	



**Additional equipment**

**+ Art. 914 202 00**

Additional tips.  
Description page 23



## Oil Pressure Tester with quick couplers

**PCO - 10 SK**

**Art. 914 700 00**

<b>Description</b>	The device for measuring the oil pressure in internal combustion engines equipped with quick couplers.	
<b>Measuring range</b>	<b>0 - 10 bar</b> (0 - 1,0 Mpa)	
<b>Specification</b>	- Manometer with pressure hose long 1m	914 710 00
	- 10 pieces measuring tips of various to most types of threads used in the engine oil pressure sensors	914 720 00
	- Angle connection 90°	914 710 00
	- Set of gaskets	914 721 00
<b>Weight</b>	1,40 kg	



## Oil Pressure Tester for automatic transmissions

**PCO - 25 A**

**Art. 914 800 00**

<b>Description</b>	The device is designed to measure the oil pressure in automatic transmissions. The measurement is done by manometer connection with the probe by means of measuring tips of a sufficient size screw thread in the inspection hole in automatic transmission (in set. 7 pc measuring tips).	
<b>Measuring range</b>	<b>0 - 25 bar</b> (0 - 2,5 Mpa)	
<b>Weight</b>	1,45 kg	



## Measuring tips (additional) for oil pressure tester PCO-10C and PCO-10

**Art. 914 202 00**

<b>Description</b>	Measuring tips connection to the thread:	
	- <b>T4</b> - Citroen, Peugeot, Renault, Skoda	914 202 04
	- <b>T5</b> - Citroen, MAN, Mercedes, Peugeot, Renault, Talbot, Volvo	914 202 05
	- <b>T6</b> - Daihatsu, Fiat, Ford, Honda, Hyundai, Isuzu, Mazda, Mitsubishi, Nissan, Opel, Rover, Subaru, Suzuki, Toyota	914 202 06
	- <b>T7</b> - Austin, Chrysler, Daihatsu, Ford, Jaguar, Leyland, Mazda, Nissan, Opel, Renault, Rover, Saab, Vauxhall, Volkswagen, Volvo	914 202 07
	- <b>T8</b> - Alfa Romeo, Bedford, Ford, Leyland, Opel, Saab, Vauxhall, Volvo	914 202 08
	- <b>T9*</b> - Land Rover	914 202 09
	- <b>T10</b> - Rover	914 202 10
	- <b>T11</b> - Fiat, Jaguar, Rover	914 202 11
	* T9 tip is not included in the set. available on special order.	
<b>Weight</b>	0,45 kg	



## Set for testing the cooling system leak

**Art. 980 000 00**

**Description** Set for testing the cooling system leak.

**Specification** On equipped of set is a pressure pump with hose and valve triggering and universal adjustable diameter tip seal for 19 - 40 mm to equalizing tanks / coolers.

Packaging - plastic suitcase

**Weight** 1,40 kg



## Exhaust pressure tester - permeability of the catalyst

**PCS - Kat**

**Art. 960 000 00**

**Description** This device is used to check the patency of the catalyst and exhaust system. Overheating, contamination or mechanical damage to the catalyst can have a bad effect on removal exhaust (engine suppression).

**Specification**

- Manometer with hose 2 m 960 100 00
- Adapter M18 960 200 18
- Adapter M12 960 200 12
- Calibrator of thread M18 960 201 18
- Calibrator of thread M12 960 201 12

**Weight** 1,50 kg



## Vacuometr for measuring pressure and vacuum

**VACU - 1**

**Art. 940 200 00**

**Description** Vacuometr for measuring pressure and vacuum.

**Specification**

- Vacuometr: -1,0 - 3,0 bar
- Hose with diam. 6 mm
- Hose with diam. 8 mm
- Connectors 5 pc
- Hose stopper

**Weight** 0,70 kg



## Diesel injector tester

**Art. 918 600 00**

**Description** The tester allows you to check the following parameters injectors for diesel engines:

- Injector opening pressure,
- The shape of the stream fuel,
- The quality of atomization,
- The tightness of injector,
- Manner „dripping” of injector.

Precise manometer of device is equipped with an additional clue, „drag pointer”, which stops at the opening of the injector and allows you to read the value of opening pressure after the completion of the test (no need to simultaneously observe form of the fuel injection and reading indicate the pressure on the manometer).

**Technical parameters** Diameter manometer: 100 mm  
 Pressure range: 0 - 400 bar  
 Tray capacity: 330 cm<sup>3</sup>  
 Cylinder capacity: 35 cm<sup>3</sup>

**Weight** 5,50 kg



## Diagnostic kit for injection pumps

**pumps VE / DPC / DPA**

**Art. 923 000 00**

**Description** Allows measurement of pressure pumping and vacuum suction pumps: VE, DPC and DPA.

**Specification**

- Manometer 0 - 16 bar with hose,
- Vacuum glyceric 0 - 1 bar with hose,
- Set of the appropriate connections to the injection pumps,

**Weight** 1,85 kg



## Tester Diesel pump discharge pressure

**Art. 919 000 00**

**Description** The device used to check the pump discharge pressure Diesel engine fuel. Connecting the device allows the observation of pressure in each section of the pump.

**Specification**

- Manometer glyceric 0 - 600 bar with hose M12 x 1,5
- Reduction M14 x 1,5
- Reduction M12 x 1,5

**Weight** 0,8 kg



## Tool for setting the rotary injection pumps

PPW - 2

**Art. 911 000 00**

<b>Description</b>	Tool for setting the rotary injection pumps Diesel engines. Rotary injection pump (distribution's) BOSCH and CAV.	
<b>Specification</b>	- Dial gauge (0-5 mm)	911 090 00
	- Long extension cable sensor tip	911 020 01
	- Short extension cable sensor tip	911 020 02
	- Sensor holder long: M8 x 1	911 030 02
	- Sensor holder long: M10 x 1 (TDI)	911 040 06
	- Sensor holder short: M8 x 1	911 030 03
	- Sensor holder short: M10 x 1	911 040 03
	- Reduction M12	911 050 00
	- Pin to locking wheel the injection pump drive VW	911 030 01
	- Lath for locking the camshaft VW	911 022 00
<b>Weight</b>	0,95 kg	



## Dial Gauge holder

Lucas - Cav

**Art. 911 150 00**

<b>Description</b>	Holder angled for dial gauge for injection pumps Lucas - Cav.
<b>Applicable</b>	Citroen, Peugeot, Fiat, Opel, Renault, Rover Packaging - plastic suitcase.
<b>Weight</b>	0,40 kg



## Dial Gauge holder Roto Diesel

**Art. 911 100 00**

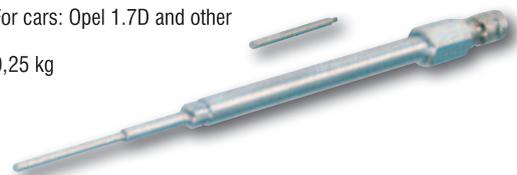
<b>Description</b>	Sensor holder Roto Diesel.
<b>Applicable</b>	For cars: Citroen, Renault, Peugeot and some Fords.
<b>Weight</b>	0,20 kg



## Dial Gauge holder Opel CAV Diesel

**Art. 911 200 00**

<b>Description</b>	Sensor holder Opel CAV Diesel. Used to set the injection pump and check the beginning of injection.
<b>Applicable</b>	For cars: Opel 1.7D and other
<b>Weight</b>	0,25 kg



## Tester to beginning of the injection MERCEDES, MAN, RENAULT and other

UMB

**Art. 918 100 00**

<b>Description</b>	Tester to beginning of the injection UMB for Diesel engines to in-line pumps. The device with diode indicator allows you to double-check and set the start of injection in Diesel engines. Power 12 or 24 V (for trucks).
	Packaging - plastic suitcase.
<b>Applicable</b>	- Engines Mercedes-Benz OM 601, OM 602 and OM 603 / Renault
<b>Weight</b>	0,50 kg



## DIESEL Puller the injection pump gear wheel BMW Common-Rail

**Art. 903 280 00**

**Models** BMW: 318 d / td, 320 d / td, 330 d, 525 d, 530 d, 535 d, 730 d;  
LAND ROVER: Freelander, Rover 75.

**Types of engines** BMW: M47, M47TU: E46; M57, M57TU: E46, E39, E38, E60, E61; LAND ROVER: Td4, M47R.

**Weight** 0,75 kg



## DIESEL Injection pump bushing BMW Common-Rail

**Art. 903 285 00**

**Description** Retains the position of the sprocket during disassembly the pump

**Types of engines** BMW: Series 1, 3, 5 and X3 with engines 2.0d N47 / N47S (06-10)



## DIESEL Device for locking pumps injection MB - Diesel

**Art. 918 000 00**

**Description** Device for blocking injection pumps. Used during assembly and disassembly of pumps.

**Applicable** Mercedes - Benz, typ: 601, 602, 603.

**Weight** 70 g



## DIESEL Lock injection pump engine Mercedes - Benz OM 604 with Lucas pump. LUCAS - MB Diesel

**Art. 918 300 00**

**Description** Lock injection pump. Used to block the pump before disassembly.

**Weight** 0,40 kg



## DIESEL Lock injection pump Lucas - EPIC

**Art. 918 200 00**

**Description** Lock injection pump Lucas - EPIC

**Applicable** Lancia, Citroen, Peugeot 2.1 td.

**Weight** 0,40 kg



## DIESEL The device to crowd out the injection pump BMW 2.5 TDS

**Art. 903 370 00**

**Models + Types of engines** See set 903 300 00 page 42

**Weight** 0,80 kg



## DIESEL Set for disassembly and installation injection pumps 2.0 / 2.4 16v (chain)

**Art. 906 250 00**

**Models** FORD: Mondeo, Transit Diesel Duratorq 16v 2.0, 2.4 (01 - 06).  
Types of engines FMBA/B, D5BA, ABFA, D3FA, F3FA, D2FA, D4FA, F4FA.

**Weight** 1,40 kg



## DIESEL Set for setting the injection pump Renault 1.9 D / TD

**Art. 905 300 00**

**Models** RENAULT: Clio, R19, Megane, Expres, Laguna, Kangoo 1.9 D;  
VOLVO: 1.9 D / TD;  
OPEL: Movano 1.9 D / TD

**Types of engines** RENAULT: F8Q, F9Q;  
VOLVO: 42T2;  
OPEL: F8Q (97 - 03).

**Weight** 0,50 kg



**Additional equipment** Puller sprocket injection pump.

**+ Art. 905 350 00**



## Measurement kit high pressure for Common Rail systems

2500 bar

**Art. 919 610 00**

**Description**

Measurement kit high pressure for Common Rail systems.

Applicable the instrument allows:

- measurement of pressure Common Rail pump,
- measuring the system pressure during engine operation,
- Tightness control of the injection system and injector.

The device has a vent valve measuring system.

**Specification**

- Manometer glyceric **2500 bar** 919 610 10
- Reinforce tees with vent 919 600 50
- Hose connecting (2 pc) 919 600 20
- Connector M12/M12 (2 pc) 919 600 30
- Reduction fuel tube M12/M14 (2pc) 919 600 41
- Reduction fuel tube M12/M12 919 600 42
- Deaeration hose 919 600 22
- Packaging - plastic suitcase.

**Weight**

3,60 kg

**NEW**

**Manometer glyceric  
of range 2500 bar**



## The device for testing high-pressure

Common Rail / FSI

**Art. 919 200 00**

**Description**

The device for testing high-pressure for Common Rail systems. (0-1500 bar, 0-1800 bar) and injection petrol in engines FSI group VW (0-140 bar).

The device allows the diagnostics high-pressure sensor and the measurement of high pressure for Common Rail systems / FSI during engine operation.

On equipped are different types of connectors for electrical connection high pressure sensor:

- Mercedes,
- Opel,
- French and Italian cars,
- group VW/Audi - FSI,
- transition connector DELPHI
- Universal connector

Packaging - plastic suitcase.

**Weight**

1,15 kg



## Set for testing the injectors (overflow)

**Art. 919 400 00**

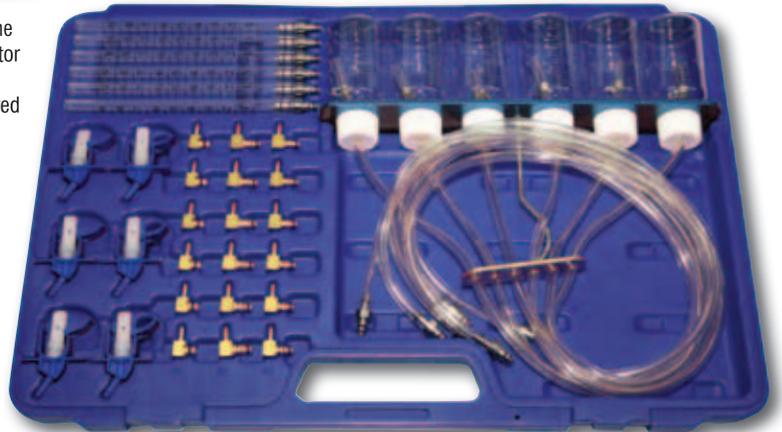
**Description** Set of measuring cylinders for testing injectors Common Rail. Lets examine the performance of the injectors by determining the amount of the return fuel flow (back leakage) by the injector through a nozzle, „overflow” of the injector.  
On equipped meter are nozzles tip to all currently manufactured Common Rail Systems : Bosch, Denso, Delphi and Siemens.

**Specification**

- 6 pieces of large measuring cylinders with tubing with tips for system BOSCH
- 6 pieces of small measuring cylinders for system BOSCH
- 6 connector for systems - DELPHI
- 6 connector for systems - DENSO
- 6 connector for systems - SIEMENS
- 12 additional seals 3x1,5
- 6 additional seals 3,5x1
- 6 additional seals 4x1

Packaging - plastic suitcase.

**Weight** 3,20 kg



## Kit to measurement for overfalls piezo injectors

**Art. 919 420 00**

**Description** Kit to measurement for overflow's piezo injectors Common Rail system SIEMENS.  
The menzies built-in in metal cassette with adjustable length slings. In the menzies built floats allowing comparison of fuel flow in pipes fuel surplus injectors.  
Hoses supplied in the set (12 pc) allow for plugging to circuits of excess injectors fuel and observe fuel flow during operation of the injection system for an infinitely long time in comparison to the set of menzies (overflows measuring cylinders).

Packaging - plastic suitcase.

**Weight** 2,35 kg



**Additional equipment**

**+ Art. 919 421 00** Set of 12 pcs hose for system BOSCH

## Diagnostic set for piezo injectors

**Art. 919 650 00**

**Description** Diagnostic set for piezo injectors in the new Common-Rail systems built based on piezoelectrics, also for a new type of injector Delphi. Compared to the conventional common rail injectors, where we examine the flow on „overflow”, in the piezo system diagnostics is based on the test the fuel pressure in the pipes return injector. Injectors are not necessarily draw to check.

Diagnosis allows you to:

1. Detection of a faulty injector.
2. Detection of damage to the pressure valve.
3. The detection of air bubbles in the system

Packaging - plastic suitcase.

**Weight** 1,25 kg





# Pullers to injectors CITROEN/PEUGEOT and other

## Kit for pulling injectors CITROEN, PEUGEOT 2.0/2.2 HDI 16V

**Art. 918 490 00**

**Description** Set of includes tools for pulling baked injectors by unscrewing the (screws pulling), and also pulling using 20t hydraulic actuator located which in the kit.

**Applicable** Engines DW10ATED4 (2,0l) and DW12TED4 (2,2l) mounted in:  
Citroen C5, C8, Evasion,  
Fiat Ulysse,  
Ford Focus (06-),  
Lancia Phedra  
Peugeot 406, 407, 607, 806, 807  
Suzuki Vitara, Volvo S40 II , V50

**Weight** 7,0 kg



## Extra plate to kit 918 490 00 - for engines CITROEN/PEUGEOT 2.0 HDI 8V

**Art. 918 491 00**

**Description** Set includes a support plate and columns to use a set 918 490 00 to pulling the baked injectors in the engine 2.0HDI - DW10 RHY/ RHZ (2.0 L) in the 8-valve technology installed in cars:  
**Citroen, Peugeot, Fiat oraz Suzuki.**

Included is also screwed tip to the injector that allows you to use a hammer impact 918 540 00.

**Applicable** Citroen, Peugeot, Fiat oraz Suzuki engines 2.0HDI - DW10 RHY/RHZ (2.0 L) in the 8-valve technology

**Weight** 2,0 kg



## Accessories additional for puller to injectors 2.0 HDI

**Art. 918 520 00**

**Description** 1.5 m hydraulic hose with quick coupling to the actuator

**Weight** 1,30 kg



**Art. 918 530 00**

**Description** Hydraulic foot pump (0-700 bar)

**Weight** 11,20 kg



**Art. 918 540 00**

**Description** Set a hammer impact M16

**Weight** 3,20 kg



## Kit for pulling injectors CITROEN/PEUGEOT 1.6 HDI

**Art. 918 495 00**

**Description** Set of includes tools for pulling baked injectors by unscrewing the screws pulling.

**Applicable** Citroen, Peugeot, engines 1.6HDI with injection system BOSCH also SIEMENS

**Weight** 2,0 kg

**NEW**



## Kit for pulling injectors MERCEDES CDI Common-Rail

**MASTER**

**Art. 918 551 00**

- Description** A set of tools for pulling the injectors from the hydraulic actuator.  
Tools included in the kit allow you to draw the injectors by:
- unscrew
  - knock out (requires an additional set of hammer impact 918 540 00)
  - for pulling using a hydraulic actuator
- Applicable** Mercedes CDI Common Rail, A-class, C-class, E-class, Sprinter, Vito, Vario, Viano
- Weight** 6,0 kg



## Tool for pulling injectors MERCEDES CDI Common-Rail

**Art. 918 550 00**

- Description** Tool for pulling injectors allow you to draw the injectors by:
- unscrew
  - knock out (requires an additional set of hammer impact 918 540 00 page 28)
  - for pulling using a hydraulic actuator (requires an additional set 918 510 00 + 918 520 00 + 918 530 00)
- Applicable** Mercedes CDI Common Rail, C-class, E-class, Sprinter, Vito, Vario, Viano (without A-class)
- Weight** 1,30 kg



## Tool for pulling injectors (complement to the set 918 550 00) MERCEDES CDI A - Class

**Art. 918 560 00**

- Description** Tool for pulling injectors allow you to draw the injectors by:
- unscrew
  - knock out (requires an additional set of hammer impact 918 540 00 page 28)
  - for pulling using a hydraulic actuator (requires an additional set 918 510 00 + 918 520 00 + 918 530 00)
- Applicable** Mercedes CDI Common Rail A-class
- Weight** 1,20 kg



## Additional equipment for puller to injectors

**Art. 918 510 00**

- Description** Hydraulic actuator with sleeve
- Weight** 2,20 kg



**Art. 918 530 00**

- Description** Hydraulic foot pump (0-700 bar)
- Weight** 11,20 kg



**Art. 918 520 00**

- Description** 1.5 m hydraulic hose with quick coupling to the actuator
- Weight** 1,30 kg



**Art. 918 540 00**

- Description** Set a hammer impact M16
- Weight** 3,20 kg





# Pullers to injectors **RENAULT** + OPEL and NISSAN

## Tool for pulling injectors **RENAULT / OPEL / NISSAN 2.2, 2.5 dCi / DTI**

**Art. 918 580 00**

**Description** Tool for pulling injectors allow you to draw the injectors by:

- unscrew
- knock out (requires an additional set of surge hammer 918 540 00 page 28)
- for pulling using a hydraulic actuator (requires an additional set (See bottom of this page):
- 918 510 00
- 918 520 00
- 918 530 00

**Applicable** **Renault:** Espace, Laguna, Master  
**Opel:** Movano  
**Nissan:** Interstar, Primastar

**Weight** 2,80 kg



## Tool for pulling injectors **RENAULT / OPEL / NISSAN / SUZUKI 1.9 dCi**

**Art. 918 590 00**

**Description** Tool for pulling injectors allow you to draw the injectors by:

- unscrew
- knock out (requires an additional set of surge hammer 918 540 00 page 28)
- for pulling using a hydraulic actuator (requires an additional set 918 510 00 + 918 520 00 +918 530 00)

**Applicable** **Renault:** Megane, Scenic, Laguna, Trafic, Master  
**Opel:** Vivaro, Movano  
**Nissan:** Interstar  
**Suzuki:** Vitara (07-)

**Weight** 3,10 kg



## Additional equipment for puller to injectors

**Art. 918 510 00**

**Description** Hydraulic actuator with sleeve

**Weight** 2,20 kg



**Art. 918 530 00**

**Description** Hydraulic foot pump (0-700 bar)

**Weight** 11,20 kg



**Art. 918 520 00**

**Description** 1.5 m hydraulic hose with quick coupling to the actuator

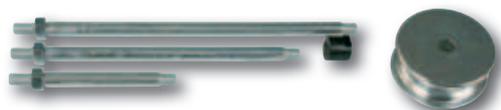
**Weight** 1,30 kg



**Art. 918 540 00**

**Description** Set a hammer impact M16

**Weight** 3,20 kg



## Tool for pulling injectors MERCEDES CDI Common-Rail and other

**Art. 918 500 00**

**Description** Tool for pulling injectors (hammer impact).  
Kit includes a screwed tip on the injector and the tip of the external thread fine thread screwed to the injector (BOSCH type).  
The paw of the size to injector Mercedes.

**Applicable** Diesel Common-Rail: Mercedes CDI, Renault dCi, Opel, Ford and other.

**Weight** 3,80 kg

**Additional equipment**



**+ Art. 918 500 60** Screwed the tips to injectors (DELPHI, DENSO, SIEMENS - kit)

## Puller to injectors OPEL DTI Diesel

**Art. 918 570 00**

**Description** Tool for pulling injectors

**Applicable** OPEL engines DTI

**Weight** 1,95 kg



## Puller to injectors 2.5/2.8 CRD Chrysler Jeep

**Art. 918 480 00**

**Description** Puller have thrust plate with columns, axial bearing, the paw (handle injector) and a feed screw with a nut.  
Puller allows you to pull the injector through unscrewing (feed screw) - without removing the coil Injector - located in its upper part.

**Applicable** Engine VM 2.5 CRD also 2.8 CRD (from 2001 year) mounted in:  
Chrysler Voyager / Grand Voyager  
Jeep Cherokee

**Weight** 4,90 kg



## Puller of pads to injectors Diesel + Common Rail

**Art. 902 300 00**

**Description** Device for pulling pads from the slot injector.  
Construction of puller allows seamless removal of the pads the sealing injectors remaining in nest after dismantling the injector.

Overall length: 250 mm

**Applicable** Universal

**Weight** 0,50 kg



## Set of cutters for injectors Diesel + Common Rail

**Art. 902 250 00**

**Description**

Set of to clear and renew the slot injector in the engine block. Milling cutter has at the end a leading guide pin to make easy to obtain the correct surface renewed injection slot. Equipped with a set of 4 pieces of cutters with different shapes for different types of nests injectors with a diameter of 17mm. Milling cutters allows also the regeneration of the surface of the injector. Length: 175 mm



**Applicable**

Universal

**Weight**

0,50 kg

## Milling cutters to injectors Diesel + Common Rail

**Art. 902 255 00**

**Description**

This allows to clearing and renew the injector slot in the engine block. Milling cutter has at the end a leading guide pin to make easy to obtain the correct surface renewed injection slot. On equipped is also milling cutter to the injector with a hole at the spraying tip. Length: 250 mm



**Applicable**

Universal

**Weight**

0,50 kg

## Puller with the milling cutters to glow plug Diesel

**Art. 902 350 00**

**Description**

Device for pulling out spark plugs. Milling cutters (thread screw M12 and M10) provided in the kit allow the improve spark plug socket in the cylinder head.



**Applicable**

Universal

**Weight**

0,85 kg

## Milling cutters to the crankshaft

**Art. 902 200 00**

**Description**

This allows frontal area milling of the crankshaft after removing the crankshaft pulley. On equipped with 3 different conducting heads.



**Applicable**

Engines TDI  
VW, Audi, Seat, Skoda

**Weight**

0,70 kg

## Car body tester

**Art. 700 100 00**

**Description** It is a pocket-size tester which enables checking the condition of car body and determining approximate thickness of the varnish (lacquer) layer.  
Enables to check whether the car has been painted for the second time or the body has been repaired after crash.  
Makes possible to find where the filler has been laid and how thick it is.  
Tester is calibrated in real units, what allows the user to estimate the thickness of the varnish in  $\mu\text{m}$ .  
6 - level scale enables estimating the thickness of measured layers more accurately than in other testers.

**Parameters** Measuring ranges [ $\mu\text{m}$ ]: 0-150, 150-200, 200-350, 350-500, 500-1000, 1000-2000.  
Accuracy: 5%.  
Battery powered 3 x 1.5V (LR44).

**Weight** 75 g



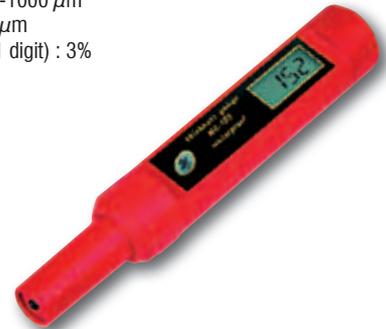
## Thickness gauge

**Art. 700 150 00**

**Description** It is a pocket size meter which enables measurements of the non-magnetic layer (lacquer, varnish, foil, plastic) laid on ferromagnetic surfaces (steel).  
Result displayed in  $\mu\text{m}$ .  
Used to measure the lacquer layer or an insulating layer on steel.  
Automatic switch off function protects the batteries against discharging.  
Battery powered.  
Waterproof housing enables work even during rain.

**Parameters** Measuring: 0-1000  $\mu\text{m}$   
Resolution: 1  $\mu\text{m}$   
Accuracy ( $\pm 1$  digit) : 3%

**Weight** 80 g



## Thickness gauge

**Art. 700 200 00**

**Description** Used for accurate measurements of nonmagnetic coating on ferrous surface.  
Result displayed in  $\mu\text{m}$ .  
It is used for measurement of varnish (paint) layers, isolating - anticorrosion coatings or plastic foil laid on steel basis.  
Large, easy-to-read LCD.  
Two kinds of power source: 9V battery or power adapter.  
Waterproof housing enables work even during rain.

**Parameters** Measuring range: 0 - 2000  $\mu\text{m}$   
Accuracy: 3%  
Resolution: 1  $\mu\text{m}$

**Weight** 200 g



## Precise thickness gauge surface steel, aluminium and brass

**Art. 700 300 00**

**Description** Applied for precise measurements of varnish coating thickness, plastics - isolating layers or galvanic layers on steel, aluminium, brass or copper.  
Two ways of measurement:  
- Nonmagnetic coating on magnetic surface  
- Non-conductive layer on conducting surface  
Automatic detection of the surface type.  
Possibility of connecting with a PC by RS-232 output and by optional USB adapter, or with a standard printer via an adapter.  
Waterproof housing enables work even during rain.

**Parameters** Measuring 0 ÷ 2000  $\mu\text{m}$  lub 0 ÷ 80 mils  
Resolution 0.1  $\mu\text{m}$  or 0.01 mils  
Accuracy for the steel substrate: 1% 1 mm, (0.03 mils.)  
For a substrate of aluminium: 1% 2 mm (0.06 mils.)  
Battery powered 9V, power adapter 12V

**Weight** 200 g



## Clutch Kit SAC

**Art. 901 000 00**

- Description** Kit assembly and disassembly of cluths SAC (self-regulating)
- Applicable** Kit is applicable to almost all SAC cluths (3 and 4 hole) in: Audi-Vw, BMW, Mercedes, Opel, Renault, Volvo and other. Using a set of 901 000 00 you can make quick and professional removal and installation **SAC** couplings.
- Advantages of using a set of 901 000 00:
- Tensioning the clutch shaft bearing when dismounting and assembly (important to avoid wrong tension at the cluth).
  - Centering the clutch plate to the locating bearing or axial bearing.
  - Pulling of the regulatory ring by using of pulling tools 901 000 50.
- Packaging - plastic suitcase.

**Weight** 8,70 kg



## Brakes

**Art. 902 000 00**

- Description** Kit for brake pistons.
- Applicable** Universal.
- Weight** 0,85 kg



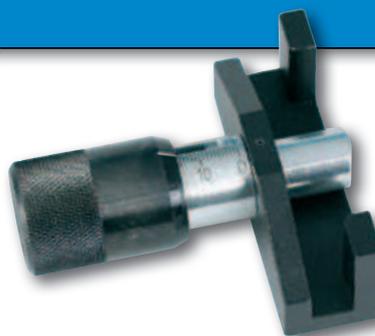
## Belt tension tester

PR-20

**Art. 915 000 00**

**Description** Universal device to control the timing belts tension. Comparative table of results allows for application in many types of vehicles.

**Weight** 0,45 kg



## Sprocket holding tool

**Art. 911 760 00**

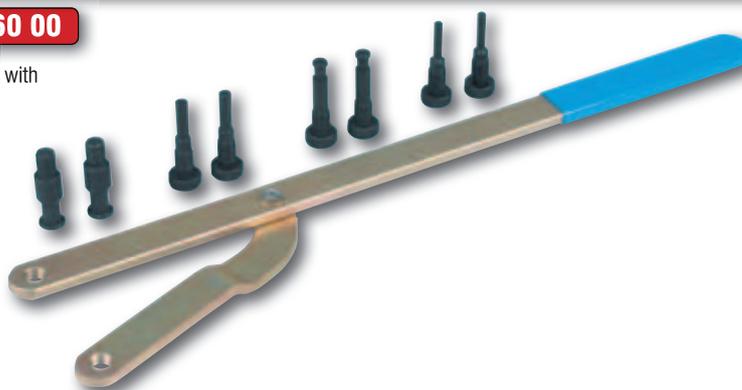
**Description** Universal wrench to the dismantling of gears timing belt with interchangeable tips with diameters:

- ø 16 mm
- ø 9,5 mm
- ø 7,5 mm
- ø 5,5 mm

Length wrench: 500 mm

Distance between arms: 30 to 300 mm

**Weight** 1,70 kg



## Timing wheel lock UNIVERSAL

**Art. 904 100 00**

**Description** Construction of locking tool allows its adaptation to different diameters of wheels timing, and for different distances between the rollers.

The set also features blockade to lock of a single pinions (photo right)

**Weight** 0,95 kg



## Flywheel locking wrench

**Art. 911 800 00**

**Description** Wrench to locking the flywheel for dismantling and assembling toothed gears and clutch disks.

**Weight** 0,30 kg



## Sprocket holding tool

**Art. 911 750 00**

**Description** Used to counter-hold camshaft or injection pump gear during release of centre bolt to allow sprocket to freeley turn on shaft during belt replacement / tensioning.

Diameter of pin: ø 14 mm

Length wrench: 400 mm

Distance between arms: 20 to 190 mm

**Weight** 0,95 kg



## Wrenches to the ventilators

**Models** Wrenches to the viscous ventilator clutch.

**Typy** Wrench 32mm - 918 011 00  
Wrench 36mm - 918 012 00  
Wrench with hook - 918 013 00

**Applicable** Audi, VW  
Also: BMW, Land Rover, Ford and Opel



## Wrench to the ventilators MERCEDES

**Models** Wrench to the viscous ventilator clutch.

**Types of engines** Mercedes Sprinter 906  
218, 318, 418, 518 CDI (06-09)  
Engine 642 3.0 CDI



## Puller the timing belt sprockets.

**Models** Puller with adjustable arms spacing to pulleys with holes.  
VW / AUDI and other.

**Types of engines** Universal

**Weight** 0,90 kg



## Large Timing Wheel Puller

**Description** Adjustable drawcord to dismantling the gears shafts timing, injection pumps, etc.

Diameter - 130mm

Includes 2 set. paws

**Weight** 2,20 kg



## Small Timing Wheel Puller

**Description** Adjustable drawcord to dismantling the gears shafts timing, injection pumps, etc.  
Diameter - 90mm

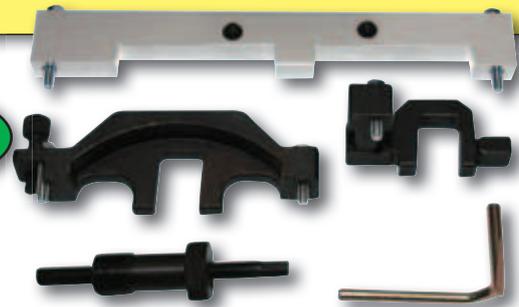
**Weight** 0,30 kg



## PETROL 1.6 N40/N45/N45T chain

**Art. 903 475 00**

**NEW**



**Description**

A set of timing tools for petrol engines with a capacity of 1.6 liter, installed in BMW cars, „1” and „3”

**Models + Types of engines**

Engines **N40 / N45 / N45T** a marking code **B16 / B16A / B16AC**

<b>Series „1”</b>	<b>Series „3”</b>
116i/120i (E81/E87) 2003-2010	316i (E46/E90); 2001-2009
	316Ci (E46); 2001-2006
	316ti (E46); 2001-2006

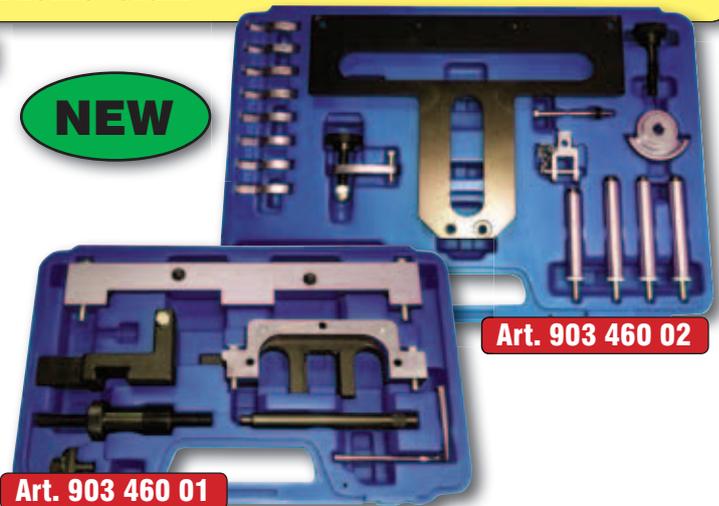
**Weight**

1,95 kg

## PETROL 1.8/2.0 N42/N46/N46T VALVETRONIC chain

**Art. 903 460 00**

**NEW**



**Art. 903 460 02**

**Description**

A set of timing tools for petrol engines with a capacity of 1.8 and 2.0 with Valvetronic system installed in BMW cars. The kit consists of two suitcases (also sold separately). This kit allows the exchange and setting timing (set HP 903 460 01) also exchange camshafts and chain tensioner (kit HP 903 460 02).

**Models + Types of engines**

Engines **N42 / N46 / N46T** with system Valvetronic a marking code **B18 / B18A / B20 / B20A / B20B**

<b>Series „1”</b>	<b>Series „5”</b>
118i/120i (E87) 2004-2010	520i (E60); 2004-2008
<b>Series „3”</b>	<b>Z4</b>
316i/316tiCompact (E46); 2001-2005	2.0 (E85); 2004-2009;
318tiCompact (E46); 2001-2005	<b>X3</b>
318i (E46); 2001-2007	2.0i (E83); 2005-2009;
318i (E90); 2005-2008	
320i (E90); 2005-	

**Weight**

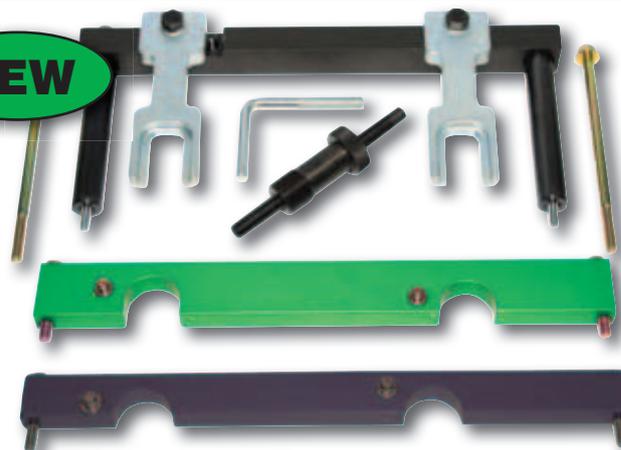
903 460 01 - 2,30 kg; 903 460 02 - 3,70 kg

**Art. 903 460 01**

## PETROL 2.5/3.0 N51/N52/N52K/N53/N54 chain

**Art. 903 466 00**

**NEW**



**Description**

A set of timing tools for petrol engines with a capacity of 2.5 and 3.0, installed in BMW.

**Models + Types of engines**

Engines **N51/N52/N52K** with system Valvetronic also engines **N53 and N54** with direct injection (without Valvetronic)

<b>Series „1”</b>	<b>Series „5”</b>
<b>128i</b> E82 (07-10)	<b>523i/Li</b> E60/61 (04-10)
<b>130i</b> E81/E87 (05-08)	<b>525i/Li/xi</b> E60/61 (04-10)
<b>135iS</b> E82 (07-10)	<b>528i/xi</b> E60/61 (06-08)
	<b>530i/Li/xi</b> E60/61 (05-10)
	<b>535i/xi</b> E60/61 (05-10)
<b>Series „3”</b>	<b>630i</b> E63/64 (04-08)
<b>323i</b> E90/91/92/93 (04-10)	<b>730i/Li</b> E65/66 (04-08)
<b>325i/xi</b> E90/91/92/93 (04-10)	<b>X3 2.5/3.0</b> E83 (06-10)
<b>328i/xi</b> E90/91/92/93 (04-08)	<b>X5 3.0</b> E70 (06-10)
<b>330i/xi</b> E90/91/92/93 (04-10)	<b>Z4 2.5/3.0</b> E85/86 (05-10)
<b>335i/xi</b> E90/91/92/93 (05-09)	

**Weight**

4,9 kg

## PETROL N40/N42/N45/N46/N51/N52 chain KIT ADDITIONAL

**Art. 903 468 00**

**NEW**



**Description**

A set of special tools for assembly and disassembly of the timing chains and related work are being replaced.

**Models + Types of engines**

Engines **1.8, 2.0, 2.5, 3.0**  
**N40/N42/N45/N45T/N45T/N51/N52/N52K/N53/N54/**

also for cars:  
**MINI N12/N14** oraz **CITROEN/PEUGEOT EP3/EP6**

## PETROL 1.8 - 3.0 Chain

## + DIESEL 1.8/2.5 td Chain

## MASTER

**Art. 903 100 00**

**Models**

**BMW:** series 3, 5, 7, 8, Z3, Z4, X3, X5  
E30, E31, E32, E34, E36, E38, E39, E46, E60, E83, E85  
**PETROL:** 1.6, 1.8, 1.9, 2.0, 2.3, 2.5, 2.8, 5.0; V12: 750i, 850i.  
Also with a single VANOS system  
For engines with the „double-VANOS” - See Extension kit 903 455 00 or a full set of 903 456 00  
**DIESEL:**  
**BMW** 1.8tds, 2.5td/tds; **OPEL** Omega 2.5TD; **RANGE ROVER:** 2.5 TD



**Types of engines**

**BMW:** M40, M41, M42, M43, M44, M50, M51, M52, M70, M73  
**RANGE ROVER:** 254 6D

**Weight**

5,70 kg

**Additional equipment**

**+ Art. 903 350 00**

Timing Chain Tensioner  
2.5 TD



**+ Art. 903 370 00**

The device to crowd out the injection pump.  
2.5 TD



**+ Art. 903 120 00**

For engines V12 750i and 850i (M70 and S70)



## PETROL 2.0/2.2/2.3/2.5/2.8/3.0 „Double” VANOS (VVT) - complement to the set 903 100 00

**Art. 903 455 00**

Complement to the set of 903 100 00. A set of additional tools for system settings „double-VANOS”.

**Models**

325i/Compact	[E39] (2000-07)
320i/323i/328i/330i/Coupe	[E46] (1998-07)
520i/523i/525i/530i	[E39] (1998-05)
520i/525i/530i	[E60/61] (2003-05)
728i	[E38] (1998-02)
730i	[E65/66] (2002-05)
X3 3.0	[E83] (2003-07)
X5 3.0i	[E53] (1999-07)
Z3 2.0i/2.2i/2.8i/3.0i	[E36] (2000-03)
Z4 2.5/3.0	[E85] (2003-06)

**NEW**



**Types of engines**

**M52 (TU)/ M54 / M56**  
20 6S 4/ 22 6 S1/ 25 6S 4/ 25 6S 5/ 28 6S 2/ 30 6S 3

**Weight**

2,95 kg

## PETROL 2.0/2.2/2.3/2.5/2.8/3.0 „Double” VANOS (VVT) - complete set

**Art. 903 456 00**

**Models**

325i/Compact	[E39] (2000-07)
320i/323i/328i/330i/Coupe	[E46] (1998-07)
520i/523i/525i/530i	[E39] (1998-05)
520i/525i/530i	[E60/61] (2003-05)
728i	[E38] (1998-02)
730i	[E65/66] (2002-05)
X3 3.0	[E83] (2003-07)
X5 3.0i	[E53] (1999-07)
Z3 2.0i/2.2i/2.8i/3.0i	[E36] (2000-03)
Z4 2.5/3.0	[E85] (2003-06)

**NEW**



**Types of engines**

**M52 (TU)/ M54 / M56**  
20 6S 4/ 22 6 S1/ 25 6S 4/ 25 6S 5/ 28 6S 2/ 30 6S 3

**Weight**

4,60 kg

## PETROL 3.0 / 3.5 / 4.0 / 4.4 / 4.6 M60/M62 chain

**Art. 903 400 00**

**Description**

Kit includes tools for blocking four camshafts.

**Models**

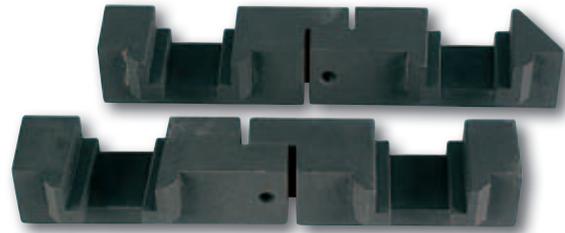
BMW: 730 i / 740 i [E32;E38] (92 - 94; 94 - 96), 530 i / 540 i [E34] (92 - 96), 535 i / 540 i [E39] (96 - 00) 735 i / 740 i [E38] (96 - 02), 840 i / Ci [E31] (93 - 99), X5 4.4 / 4.6 [E52] (99 - 04).

**Types of engines**

M60 (30 8S 1/40 8S 1), M62 (35 8S 1 / 35 82 2 / 44 8S 1 / 44 8S 2 / 44 8S 2 / 46 8S).

**Weight**

3,75 kg



**Additional equipment**

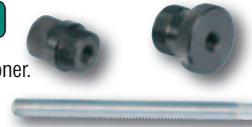
**+ Art. 903 150 00**

Locking Pin flywheel.



**+ Art. 903 170 00**

Endurance braking chain tensioner.



## PETROL V8 3.6/4.0/4.4/4.8 N62/N62TU + 6.0 V12 N73 chain

**Art. 903 470 00**

**Types of engines**

Engines V8 codes **N62** and **N62TU** also engine V12 6.0 code **N73**

**Models**

<b>540i</b> E60/61 (05-10)	<b>735i</b> E65/66 (02-05)
<b>545i</b> E60/61 (03-06)	<b>740i</b> E65/66 (05-08)
<b>550i</b> E60/61 (05-10)	<b>745i</b> E65/66 (02-05)
	<b>750i</b> E65/66 (06-08)
<b>645i</b> E63/64 (03-06)	
<b>650i</b> E63/64 (05-10)	<b>760i V12</b> (02-08)
	<b>X5 4.4</b> E53/E70 (03-07)
	<b>X5 4.8</b> E53/E70 (04-10)



**Weight**

2,70 kg

## DIESEL 2.0d / 3.0d M47/M57 + Common Rail chain

**Art. 903 200 00**

**Description**

Kit includes camshaft locking tool with handle, pin to lock the flywheel and tensioners locking pins.

**Models**

118d E87 (03-07)	520d E39/ E60/61 (99-10)
120d E87 (03-07)	525d/xd E39/ E60/61 (99-10)
318d/td E46 / E90/E91 (00-08)	530d/xd E39/ E60/61 (98-10)
320d/crd E46 / E90/E91 (97-08)	535d E60/61 (04-10)
325d E90/91/92/93 (06-10)	635d E63/E64 (04-10)
330d/xd/crd E46 / E90/91/92/93 (98-08)	730d E38/ E65/66 (98-08)
335d E90/91/92 (06-10)	X3 2.0d E83 (03-07)
	X3 3.0d E83 (03-10)
	X5 3.0d E53/E70 (00-10)

**Types of engines**

**M47, M47TU, M47T2, M57, M57TU, M57TU2**

**Weight**

1,15 kg



**Additional equipment**

**+ Art. 903 280 00**

Puller the injection pump gear wheel



**+ Art. 903 260 15**

The cap to the crankshaft



**+ Art. 903 220 60**

Camshaft locking tool for engines 2.0d/3.0d of gear post driven camshaft (TU)



## DIESEL 2.0d N47/N47S Common Rail chain

**Art. 903 260 00**

**Description** Kit includes camshaft locking tool with handle, pin to lock the flywheel and the cap to rotate the crankshaft.

**Models** 118d E81/87 (06-10) 318d E90/E91 (07-10)  
120d E81/82/87 (06-10) 320d E90/E91/92 (05-10)  
123d E81/82/87 (07-10) 520d E60/61 (06-08)

**Types of engines** N47 / N47S D20A X3 2.0d E83 (07-10)

**Weight** 0,95 kg



**NEW**

**Additional equipment** **+ Art. 903 285 00**

**The injection pump bushing**  
Retains the position of the gear wheel when removing the pump for engines N47/N47S



**NEW**

## DIESEL 2.0 / 3.0 d + Common Rail Puller the injection pump gear wheel

**Art. 903 280 00**

**Models + Types of engines** **BMW:** Series 3, 5, 7 E38/E39/E46/E53/E60/E63/E65/E70/E83/E90  
Engines: M47, M47TU, M57, M57TU  
**LAND ROVER:** Freelander (Td4, Td6)  
**OPEL:** Omega B 2.5DTI (Y25DT)  
**ROVER:** 75 2.0D (M47R)

**Weight** 0,75 kg



## DIESEL 2.5 TDS Chain

**Art. 903 300 00**

**Description** Kit includes camshaft locking tool, to block pin flywheel, tensioners locking pins and the injection pump puller.

**Models** **BMW:** 318 tds (E36), 325 td / tds (E36), 525 td / tds (E34 / E39), 725 tds (E38), (91 - 03);  
**OPEL:** Omega B 2.5 TD (94 - 01);  
**LAND ROVER:** Range Rover 2.5 DT / SE.

**Types of engines** BMW: M41 (17 4T 1), M51 (25 6T 1);  
OPEL: OHC 25 DT / X25 DT;  
RANGE ROVER: 25 6D (94 - 02).

**Weight** 1,10 kg

also for cars:  
**LAND ROVER, OPEL and ROVER**



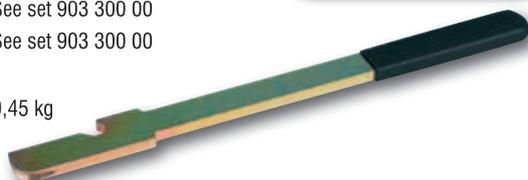
**Additional equipment** **+ Art. 903 350 00** Timing Chain Tensioner

**+ Art. 903 370 00** Instrument to crowd out the injection pump

## DIESEL 2.5 TDS Timing Chain Tensioner

**Art. 903 350 00**

**Models** See set 903 300 00  
**Types of engines** See set 903 300 00  
**Weight** 0,45 kg



## DIESEL 2.5 TDS Chain

The device to crowd out the injection pump

**Art. 903 370 00**

**Models** See set 903 300 00  
**Types of engines** See set 903 300 00  
**Weight** 0,80 kg





## PETROL 1.6 16V belt

**Art. 904 010 01**

**Models** Chevrolet Cruze (09-)

also for cars:  
**OPEL and SAAB**

**Types of engines** 1.6 16V - LXT



**Weight** 30 g

**Additional equipment**



**+ Art. 904 008 00**

Roll locking pin to tensioning the timing belt.



**+ Art. 904 012 00**

Flywheel holding tool.

**+ Art. 904 010 40** See below

## Wrench timing belt to tensioning

**Art. 904 010 40**

Wrench water pump to tensioning the timing belt 41mm.

**Models** Kalos, Aveo, Espero, Nexia, Lanos, Nubira, Lacetti, Cruze (97-09)

**Types of engines**  
1.4 - A14DM, A14MS, F14S3  
1.4 16V - F14D3  
1.5 - G15MF  
1.5 16V - A15DM  
A15SMS, A15MF  
1.6 16V - A16DM  
A16DMS, F16D3, LXT

also  
for cars:  
**OPEL**



**Weight** 0,40 kg

## PETROL 1.4/1.6/1.8 16V belt

**Art. 904 013 00**

**Description**

Kit includes the camshafts locking tool, flywheel holding tools and locking pin the timing belt tensioner.

**Models** Aveo, Cruze (09-)

**Types of engines**  
1.4 16V - G14D  
1.6 16V - LDE, LLU, LXV  
1.8 16V - 2HO

**NEW**

**Weight** 0,65 kg



## DIESEL 2.0d VCDi belt

**Art. 904 021 00**

**Models**

Nubira, Lacetti, Evanda, Epica, Captiva

**Types of engines**  
2.0 D - RA420, Z20S1

also  
for cars:  
**OPEL**

**Weight** 1,15 kg

**NEW**



## DIESEL 2.5/2.8 CRD belt

**Upgrade !**

**Art. 904 200 00**

**Models** Chrysler (Grand) Voyager (01-08), Jeep Cherokee (01-08)

**Types of engines**  
2.5 CRD - R2516C, R2516C5, R2516L, R2516K  
2.8 CRD - R2816K, R2816K4

**Weight** 0,70 kg



## DIESEL 2.1 TD belt

**Art. 905 500 00**

**Models**

Wrangler (88-95), Cherokee (84-95)

**Types of engines**  
2.1TD - J8S

also  
for cars:  
**RENAULT**

**Weight** 0,90 kg



## PETROL &

## DIESEL

## Belt

## MASTER

**Upgrade !**

**Art. 905 951 00**

Models  
Types of engines

**CITROËN:** All models (1984-2009)  
**PEUGEOT:** All models (1984-2009)  
without engines 6-cylinders

**Petrol engines:**

1.0, 1.1, 1.3, 1.4, 1.5, 1.6, 1.8, 2.0

**1.4 16V:** ET3J4 (KFU) , TU3A/JP (KFV/KFW)

1.6 16V, 2.0 16V (engine codes TU, XU)

1.8 16V, 2.0 16V, 2.2 16V (engine codes EW7, EW10, EW12)

**Diesel engines:**

1.4, 1.5, 1.7, 1.9, 2.1, 2.5 D / TD (engine codes TUD, XUD)

**Diesel HDI:** 1.4, 1.6, 2.0, 2.2 (engine codes DW8, DV4, DV6, DW10, DW12, FJ6A, F6JB, F6JC)

**A detailed description of the use in descriptions of sets on pages 44 and 45**

Weight

5,00 kg

**Contains sets:**

**Art. 905 420 00**

**Art. 905 700 00**

**Art. 905 430 00**

**Art. 905 600 00**

**Art. 905 800 00**

**Art. 907 180 00**



## PETROL Citroen/Peugeot + MINI 1.4/1.6 16V Chain

**Art. 905 450 00**

Models  
Types of engines  
Weight  
Additional equipment

**Citroen C4 (Picasso) (08-10)**  
**Peugeot 207 (CC), 308 (06-10)**

**also for cars: MINI**

engines: 1.4 VTi Valvetronic code EP3 (8FS)

engines: 1.6 VTi Valvetronic code EP6 (5FW)

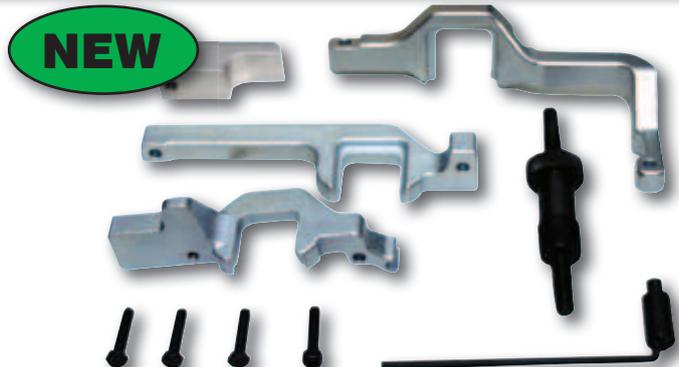
engines: 1.6 THP Direct Injection codes EP6DT (5FX) EP6DTS (5FY)

2,45 kg



**+ Art. 903 468 00**

A set of additional tools  
Description page 39



## PETROL 1.8 / 2.0 / 2.2 16V HPI „EW” Belt

**Art. 905 420 00**

Models  
Types of engines  
Weight

All engines with the crankshaft pulley fastened central screw and older models with a pulley fastened with 4 screws.

**CITROËN:** C4, C5, C8 Xsara/Picasso, Jumpy, Evasion

**PEUGEOT:** 206/306, 307, 406/Coupe, 607, 806, 807, Expert

**Engines:** 1.8 16 V, 2.0 16 V with vintage (98-10)

EW7J4 (6FZ), EW10J4 (RFR/RFR), EW10J4D (RLZ)-HPI

EW12J4 (3FZ), EW10J4(RFR), EW10J4(RFR), EW10J4D(RLZ)-HPI

1,50 kg

**also for cars: LANCIA**



## Crankshaft wrench PETROL 1.8 / 2.0 / 2.2 16V HPI „EW” Belt

**Art. 905 425 00**

Models  
Weight

Wrench is used for positioning the flange of the crankshaft pulley.

Wrench is addition for sets 905 420 00 and 905 951 00.

For engines: 1.8 16V, 2.0 16V, 2.2 16V code „EW”

- with unregulated of the camshafts wheels

0,40 kg



## PETROL 1.4 16V „ET” belt

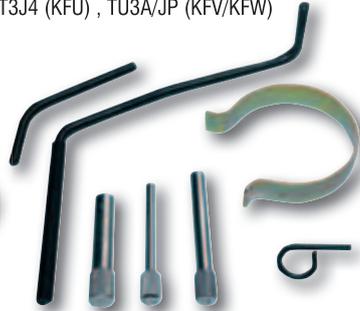
**Art. 905 430 00**

**Models** **CITROËN:** C2, C3 Pluriel, C4, Saxo, Xsara, Berlingo; (01-07)  
**PEUGEOT:** 106, 1007, 206 (CC), 207, 306, 307; (01-07)

**Types of engines** **1.4 16V:** ET3J4 (KFU) , TU3A/JP (KFV/KFW)

**Weight** 0,30 kg

**NEW**



## PETROL 1.0-2.0 belt

**Art. 905 600 00**

**Models** **CITROËN:** AX, BX, ZX, C15, Saxo, Visa, Xantia, Xsara;  
**PEUGEOT:** 106, 205, 206, 306, 307, 309, 405, 406, 605, 806, Partner, Boxer; **FIAT:** Ulysse, Ducato;

**Types of engines** 1.0, 1.1, 1.3, 1.4, 1.6, 1.8, 1.9, 2.0, 1.6 16v, 2.0 16v.  
 TU, XU (86 - 06).

**Weight** 0,80 kg



## DIESEL 1.4-2.5 belt

**Art. 905 700 00**

**Models** **CITROËN:** AX, BX, MX, ZX, Saxo, Visa, Xantia, Xsara, C15, C25, Berlingo, Jumper, Jumpy;  
**PEUGEOT:** 106, 205, 306, 309, 405, 406, 605, 806, Boxer, Expert, Partner;  
**FIAT:** Ducato, Ulysse, Scudo 1.9, 2.1 D/TD;  
**ROVER** 1.5 D; **NISSAN:** Micra 1.5 d; **FSO:** Polonez 1.9 D.

**Types of engines** **DIESEL:** 1.4, 1.5, 1.7, 1.8, 1.9, 2.1, 2.5, D/TD;  
 TUD, XUD (84 - 03)

**Weight** 2,25 kg



## DIESEL 1.4 - 2.2 HDI belt

**Art. 905 800 00**

**Models** **CITROËN:** C3, C5, Xsara, Xsara Picasso, Xantia, Berlingo, Jumper, Jumpy;  
**PEUGEOT:** 206, 207, 306, 307, 308, 406, 407, 607, 806, Expert, Partner;  
**FORD:** Fiesta, Fusion, Focus C-Max

**Types of engines** **DIESEL:** 1.9D; 1.4/1.6/2.0/2.2 HDI  
 DW8, DV4, DV6, DW10, DW12, F6JA, F6JB, F6JC (98-10)

**also for cars:**  
**FIAT and LANCIA**

**Weight** 2,45 kg



## DIESEL 2.5 / 2.8 belt

**Art. 907 180 00**

**Models** **CITROËN/PEUGEOT** Jumper(01-02) / Boxer(00-06)  
**i Engines** 2.8D/TDi/HDi - 8140.63, 9140.43, 8140.43s

**Weight** 0,30 kg

**Also for cars**  
**FIAT, IVECO,**  
**OPEL and RENAULT**



## DIESEL 3.0 HDi chain

**Art. 907 090 00**

**Models** **CITROËN:** Relay/Jumper III (06-09)  
**PEUGEOT:** Boxer III (06-09)

**Types of engines** **3.0HDI - F1C (F30DT)**

**also for cars:**  
**FIAT and IVECO**

**Weight** 0,80 kg



## DIESEL 2.7 V6 HDI belt

**Art. 905 810 00**

**Weight** **CITROËN** C5 III (05-10)  
 C6 (06-08)  
**PEUGEOT** 407/Coupe (04-09), 607 (04-10)

**Types of engines** TD 17TE D4 (UHZ)  
 DT17BTED4 (UHZ)

**Weight** 0,50 kg

**NEW**



## PETROL 1.4 12V, 1.2/1.4/1.6/1.8 16V, 2.0 20V

## FIAT MASTER PETROL

**NEW**

**Art. 907 900 00**

**Models + Types of engines**

**1.2 16V:** 176 B9.000/182 B2.000/188 A5.000 (+ 1.4 16V : 843 A1.000) FIAT (97-09): Albea, Bravo, Brava, Palio Weekend, Siena, Stilo; LANCIA: Ypsilon (96-07), Musa (04-08)

**1.4 12V:** 182 A3.000/182 A5.000/840 A2.000/840 A4.000 FIAT (95-00): Bravo, Brava, Palio Weekend Marea, Marea Weekend, Siena; LANCIA (96-01): Ypsilon

**1.6 16V:** 178 B3.000/ 182 A4.000/ 182 A6.000/ 182 B6.000 FIAT (95-07): Bravo, Brava, Doblo/Cargo, Palio Weekend, Marea/Weekend, Multipla, Tipo, Siena, Stilo LANCIA : Delta (96-99), Lybra (99-06)

**1.8 16V (115 KM):** 182 A2.000, 1860 847/C/2 FIAT (95-02): Bravo, Brava, Marea/Weekend, Punto HGT, Stilo; LANCIA : Dedra, Delta

**2.0 20V (5 cyl.):** 182 A1.000/ 175 A3.000 FIAT (95-01) : Bravo, Marea/Weekend, Coupe

**A detailed description of the use in descriptions of sets on pages 47-51**

**Weight** 3,5 kg

**Kit 907 900 00 includes sets and tools with numbers:**

**Art. 907 004 00**

**Art. 907 006 00**

**Art. 907 015 00**

**Art. 907 015 70**

**Art. 907 020 00**

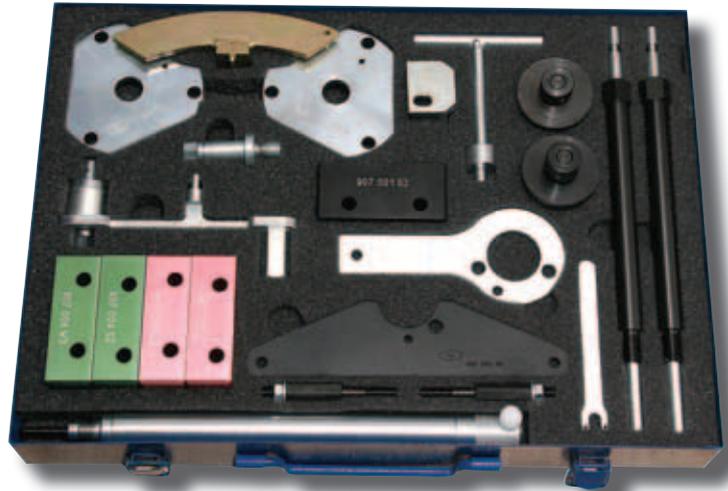
**Art. 907 030 10**

**Art. 907 050 10**

**Art. 907 050 60**

**Art. 907 060 00**

**Art. 907 070 00**



## DIESEL 1.3 - 3.0 D/TD/JTD (Fiat+Alfa Romeo+Iveco+Lancia)

## FIAT DIESEL MASTER

**NEW**

**Art. 907 910 00**

**Models + Types of engines**

**1.3 JTD** - FIAT: Panda, Idea, Doblo / Cargo 1.3 JTD Multijet (04-07) engine codes 188 A8.000, 188 A9.000

**1.3 CDTi** (04-07) - OPEL: Agila, Corsa, combo, Astra - H, Tigra - B, Meriva, engine codes: Z13DT, Z13DTH

**1.6 JTD 16V** - engines codes 198A2.000, 198A3.000, 198A6.000, 350A2.000

**1.9 D/TD/JTD po 98r** - all models and types of engines group of Fiat/Alfa/Lancia

**1.9 JTD16V/CDTi** - all models and types of engines grupy Fiat/Alfa/Lancia oraz Opel/Saab

**2.0 JTD 16V** - engine code 198A5.000 (timing belt)

**2.3 JTD (02-09)** - F1AE0481C, F1AE048ID, F1AE048IN (Ducato)

**2.4 JTD10V/ 2.4 JTD20V** - all models and types of engines Fiat/Alfa/Lancia

**2.5 D/TD (87-05)** - 8144.67/8140.27/8140.47R/8144.21 Ducato/Daily/Turbo Daily

**2.8 D/JTD (87-05)** - 8140.43/8140.63/8140.43S Ducato/Daily/ Turbo Daily also delivery vans Citroen/Opel/Renault

**3.0 JTD chain (02-09)** - FICE0481A (Iveco, Ducato)

**A detailed description of the use in descriptions of sets on pages 47 - 51**

**Weight** 3,0 kg

**Kit 907 910 00 includes sets and tools with numbers:**

**Art. 904 015 00**

**Art. 904 015 50**

**Art. 904 019 00**

**Art. 907 050 10**

**Art. 907 050 60**

**Art. 907 090 00**

**Art. 907 180 00**





Interlocks the camshafts	Models and Engines	Codes Engines	Additional options
<b>Art. 907 001 00</b> Color: Black 	<b>FIAT</b> Bravo, Brava (95-98) <b>1.4 12V</b> <b>LANCIA</b> Ypsilon (96-01) <b>1.4 12V</b>	182 A3.000 182 A5.000 840 A2.000 840 A4.000	<b>+ Art. 907 070 10</b>  available as set. 907 070 00
<b>Art. 907 002 00</b> Color: Violet (2 pc/set) 	<b>ALFA ROMEO</b> 145, 146, 147 (96-10) <b>1.4 16V, 1.6 16V;</b> 155, 156 (96-06) <b>1.6 16V</b>	<b>1.4 16V</b> 335.03  <b>1.6 16V</b> 321.02, 321.04, 322.05, 676.01	<b>+ Art. 907 030 10</b>  <b>+ 907 019 00</b> Wrench variator
<b>Art. 907 003 00</b> Color: Brown (2pc/set) 	<b>ALFA ROMEO</b> 147 (05-10) <b>1.6 16V</b> 105 KM	372.03	<b>+ Art. 907 030 10</b>  
<b>Art. 907 004 00</b> Color: Green (2pc/set) 	<b>FIAT</b> Bravo, Brava, Marea, Punto HGT, Stilo (95-02) <b>1.8 16V</b> 115 KM; <b>LANCIA:</b> Delta, Dedra <b>1.8 16V</b> 115 KM	<b>FIAT</b> 182 A2.000 <b>LANCIA</b> 182 A2.000 1860 847/C/2.	<b>+ Art. 907 030 10</b> <b>+ Art. 907 050 60</b>   for Stilo 192 A4.000 <b>+ Art. 907 050 10</b>
<b>Art. 907 005 00</b> Color: Blue (2pc/set) 	<b>ALFA ROMEO</b> 145, 146, 147, 155, 156, 166, Spider/GTV, GT (95-09) <b>1.8 16V / 2.0 16V</b>	<b>1.8 16V</b> 322.01, 322.05, 671.06 <b>2.0 16V</b> 162.02, 323.01, 323.10, 341.03, 363.01, 672.04	<b>+ Art. 907 030 10</b> <b>+ Art. 907 030 20</b>   <b>+ 907 020 00</b> Holder for dial indicator to setting the GMP
<b>Art. 907 006 00</b> Color: Pink (2pc/set) 	<b>FIAT</b> Bravo, Brava, Marea, Weekend, Coupe (95-01) <b>2.0 20v</b>	182 A1.000	
<b>Art. 907 007 00</b> Color: Grey (2pc/set) 	<b>FIAT:</b> Barchetta, Coupe, Punto (96-05); <b>LANCIA:</b> Delta, Dedra (96-99) <b>1.8 16V</b> 130KM	183 A1.000 192 A4.000 (130KM)	<b>+ Art. 907 030 10</b> <b>+ Art. 907 050 60</b>  
<b>Art. 907 008 00</b> Color: Silver (2pc/kpl) 	<b>LANCIA</b> Kappa 5 cyl. <b>2.0 20v.</b>	VIS (96 - )	
<b>Art. 907 009 00</b> Color: Red (4pc/set) 	<b>ALFA ROMEO</b> 156, 166, GTV (96-07) <b>2.5, 3.0 V6 24V</b>	<b>2.5 V6</b> 324.01, 324.05, 342.01, 362.01 <b>3.0 V6</b> 161.02, 161.05, 343.01, 361.01	<b>+ 911 090 00</b> Dial indicator 0-5mm 
<b>Art. 907 011 00</b> Color: Gold (2pc/set) 	<b>LANCIA:</b> 5 cyl. ( - 96).		
<b>Art. 907 012 00</b> Color: Orange (2pc/set) 	<b>FIAT</b> Punto HGT II <b>LANCIA</b> Lybra (99-05) <b>1.8 16v</b>	839 A4.000 839 A7.000	<b>+ Art. 907 030 10</b> <b>+ Art. 907 030 20</b>  
<b>Art. 907 013 00</b> Color: Light Green (2pc/set) 	<b>ALFA ROMEO</b> 147, 156, 166, GTV, Spider, GT (04- ) <b>2.0 JTS 20V</b>	839 A2.000 839 A3.000 937 A1.000 937 A2.000	<b>+ Art. 907 050 60</b> 
<b>Art. 907 014 00</b> Color: Brown (4pc/set) 	<b>ALFA ROMEO</b> 147GTA, 156GTA, 166, GTV, Spider, GT (02- ) <b>3.2 V6 24V</b>	932 A.000 936 A.000	

## PETROL 1.6 16V Belt

**Art. 907 015 00**

**Description**

Set includes Interlocks the camshafts and the instrument to pre-tension the timing belt.

**Models**

**FIAT:** Palio Weekend Brava, Bravo, Doblo/Cargo, Marea/Weekend, Marengo, Multipla, Tipo, Stilo, Siena (95-09)  
**LANCIA:** Delta (96-99), Lybra (99-06)

**Types of engines**

**1.6 16V** - 178B3.000, 182A4.000, 182A6.000, 182B6.000

**Weight**

1,45 kg



**Additional equipment**

**+ Art. 907 020 00**

Tool for setting the GMP.



**+ Art. 907 015 70**

Flywheel holding tool



**+ Art. 905 190 00**

Flywheel holding tool  
Palio Weekend (-00), Stilo



## Tool for setting the GMP

**Art. 907 020 00**

**Models**

**FIAT / ALFA ROMEO / LANCIA / VW** and other.

**Weight**

0,45 kg



**Additional equipment**

**+ Art. 911 090 00**

Dial indicator 0-5mm



## PETROL 1.2 / 1.4 16V Belt

**Upgrade !**

**Art. 907 060 00**

**Description**

Set includes Interlocks the camshafts, instruments to set the crankshaft and the wrench to the belt tensioner.

**Models**

**FIAT:** 500, Panda, Punto, Grande Punto, Albea, Linea, Bravo, Brava, Palio Idea, Weekend, Siena, Stilo, Marea 1.2 16V (97-10);  
**LANCIA:** Ypsilon, Musa (96-10)

**Types of engines**

**1.2 16V** - 176B9.000, 182B2.000, 188A5.000,  
**1.4 16V** - 843A1.000, 169A3.000, 192B2.000, 198A1.000, 198A4.000, 199A6.000

**Weight**

1,20 kg



**Upgrade !**

+ Timing wheel holding tool

+ Lock the crankshaft pulley 1.4 16V

## PETROL 1.4 12V Belt

**Art. 907 070 00**

**Description**

Kit includes timing tools for camshaft and locking tool the crankshaft.

**Models**

**FIAT:** Bravo, Brava, Marea/Weekend 1.4 12V (95-98)  
**LANCIA:** Ypsilon 1.4 12V (96-01)

**Types of engines**

**1.4 12V** - 182A3.000, 182A5.000, 840A2.000, 840A4.000

**Weight**

0,60 kg



## THE Wrench VARIATOR

**Art. 907 019 00**

**Models**

**ALFA ROMEO, FIAT and LANCIA 16V and 20V**

**Types of engines**

engines equipped with the the camshafts variator.



## PETROL 1.2 / 1.4 8V belt

**Upgrade !**

**Art. 907 100 00**

**Models** FIAT: 500, Idea, Linea, Grande Punto, Doblo/Cargo, Panda  
LANCIA: Ypsilon;

**Types of engines** 1.2 8V - 169A4.000, 199A4.000  
1.4 8V - 350A1.000

also  
for cars:  
FORD

**Weight** 1,35 kg



**Upgrade !**

+ Wrench to the belt tensioner

## PETROL 1.8 16V belt

**Art. 904 013 00**

**Description** Kit includes the camshafts locking tool, flywheel holding tools and locking pin the timing belt tensioner.

**Models** FIAT: Croma (05-10)  
ALFA ROMEO: 159 (05-10)

**Types of engines** 1.8 16V - 939 A4.000

also  
for cars:  
OPEL

**Weight** 0,65 kg

**NEW**



## Flywheel holding tool

**Art. 907 050 60**

**Models** FIAT: Brava, Punto, Idea, Marea, Multipla, Stilo 1.9 D / TD / JTD (96-06); Bravo, Brava 1.8 16v (95-02); Marea 1.8 16v (96-03); Stilo 1.8 16v (01-06)

ALFA ROMEO: GT 2.0 JTS (04-06); 145 / 146 / 156 / 166 1.9 / 2.4 JTD (97-06);

LANCIA: Delta 1.8 16v (96-99), Lybra 1.8 16v (99 - 03).

**Types of engines** 182 A2.000, 182 A7.000, 182 A8.000, 182 B4.000, 188 A2.000, 188 A3.000, 188 B2.000, 192 A1.000, 192 A3.000, 192 A4.000, 937 A1.000, 932 A2.000; 323.02, 325.02, 325.01, 342.02, 937 A2.000

**Weight** 0,15 kg



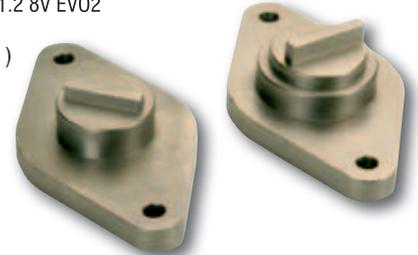
## PETROL 1.2 8V / 1.2 8V EV02 belt

**Art. 907 150 00**

**Models** Fiat Palio/Siena, Panda, Punto, Grande Punto  
Engines 1.2 8V/ 1.2 8V EV02

**Types of engines** 188 A4.000 (01- )

**Weight** 1,00 kg



**+ Art. 907 020 00**

Tool for setting the GMP



## PETROL 1.8/2.0 belt

**Art. 905 600 00**

**Models** Ulyse 1.8/20 Turbo  
Ducato 2.0

**Types of engines** XU10J4 (LFU, RFU, GRX, RFW) 95-98

See Page 45

## PETROL 2.2 16V chain

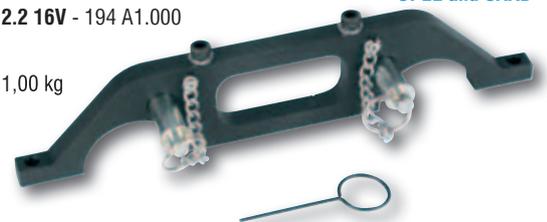
**Art. 904 014 00**

**Models** The camshafts locking tool  
Croma (05-10)

**Types of engines** 2.2 16V - 194 A1.000

**Weight** 1,00 kg

also  
for cars:  
OPEL and SAAB



## Timing belt tensioner

**Models** ALFA ROMEO: 16V - 1.4, 1.6, 1.8, 2.0 (95 - );

**Types of engines** FIAT: Bravo, Brava 1.8 16v (95 - 00); Marea 1.8 16v (96-03); Barchetta 1.8 16v (96-00); LANCIA: Delta, Dedra 1.8 (96 - 99); Lybra 1.8 16v (99-03).

**Weight** 0,85 kg

**Art. 907 030 10**



**Models** ALFA ROMEO: 145, 146, 147, 155, Spider, GTV 2.0 Twin Spark (95 - 03);

**Types of engines** LANCIA: Delta, Dedra 1.8 (96 - 98).  
AR 323.01, 672.04, 162.01, 323.10.

**Weight** 0,95 kg

**Art. 907 030 20**



## PETROL 2.0 16V „EW” Belt

**Art. 905 420 00**

**Models** LANCIA: Phedra (02-06)  
**Types of engines** 2.0 16V - EW10 (RFN)  
**Weight** 1,50 kg

also for cars:  
CITROEN/PEUGEOT



## FLYWHEEL Holding tools

**Art. 907 050 70**

**Models** FIAT: Bravo, Brava 1.9 D (95-02);  
LANCIA: Delta 1.6 (95-97)  
**Types of engines** 160 A7.000



**Art. 907 015 70**

**Models** FIAT: Brava, Bravo, Doblo / Cargo, Marea, Multipla, Palio Weekend, Siena, Stilo 1.6 16V (95-06).  
**Types of engines** 182 A4.000, 182 A6.000, 182 B6.000.



**Art. 904 015 50**

**Models** FIAT; ALFA ROMEO; 1.9 JTD 16V



## DIESEL 1.3 JTD Multi Jet Chain

**Upgrade !**

**Art. 904 019 00**

**Models** FIAT: 500, Panda, Punto, Grande Punto, Linea, Idea, Doblo/Cargo  
LANCIA: Ypsilon (03-06), Musa (04-09)  
1.3 JTD Multijet (04-11)  
**Types of engines** 1.3 JTD 16V - 169A1.000, 169B1.000, 188A8.000, 188A9.000,  
199A2.000, 199A3.000, 199B2.000, 223A9.000

also for cars:  
OPEL, FORD and SUZUKI

**Weight** 0,65 kg



**Upgrade !**

+ pin to block the crankshaft

**Additional equipment**

A set of additional tools for setting camshaft after removing the engine head and other major engine repairs.

**+ Art. 904 019 50**

also for cars:  
OPEL, FORD and SUZUKI

**Models + Types of engines** Application as set 904 019 00



**Weight** 1,70 kg

## DIESEL 1.6/1.9/2.0/2.4 JTD Belt

**Art. 904 015 00**

**Models** FIAT: Wszystkie Modely (99-10)  
ALFA ROMEO: 145, 146, 147, 156, 159, Cross Wagon, 166, GT, Brera, Spider (98-10)  
LANCIA: Musa, Lybra, Kappa, Thesis (97-10)  
also for cars: OPEL and SAAB

**Types of engines**

1.6 JTD 16V - 198A2.000, 198A3.000, 198A6.000, 350A2.000  
 1.9 JTD 8V - 323.02, 371.01, 182B4.000, 182B9.000, 186A6.000, 186A8.000, 186A9.000, 188A2.000, 188A7.000, 188B2.000, 192A1.000, 192A3.000, 192A8.000, 192A9.000, 192B4.000, 192B5.000, 199A5.000, 223A7.000, 937A2.000, 937A3.000, 939A1.000, 939A5.000, 939A7.000  
 1.9 JTD 16V - 192A5.000, 192B1.000, 937A4.000, 937A5.000, 939A2.000, 939A8.000  
 2.0 JTD 16V - 198A5.000  
 2.4 JTD 10V - 325.01, 342.02, 362.02, 185A6.000, 838A8.000, 839A5.000, 839A6.000, 841C.000  
 2.4 JTD 20V - 841C.000, 841D.000, 841G000, 841H.000, 841M.000, 939A3.000, 939A9.000,

**Weight** 0,80 kg



**+ Art. 904 015 50**

Flywheel holding tool



OR

**+ Art. 907 050 60**

Flywheel holding tool



## DIESEL 1.6/2.0/2.2 JTD belt

**Art. 905 800 00**

**Models** FIAT: Scudo (99-10), Ulysse (99-07), Ducato (01-06)  
**LANCIA:** Zeta (99-02), Phedra (02-07) **also for cars: CITROEN/PEUGEOT and FORD**

**Types of engines** 1.6 JTD - DV6UTED4 (Fiat Scudo)  
 2.0 JTD - DW10ATED (RHM/RHT/RHV/RHW/RHX/RHZ)  
 2.2 JTD - DW12TED4 4HW

**Weight** 2,45 kg



## DIESEL 1.9/2.4D/TD/JTD belt

**Art. 907 050 10**

**Models** FIAT: 1.9 D/TD/JTD, 2.4 JTD engines singly roller camshaft (OHC)  
**For engines JTD 16V - set 904 015 00 previous page**

**Weight** 0,35 kg



**+ Art. 907 050 60**

Flywheel holding tools



## DIESEL 1.9 D/TD, 2.1 D/TD

**Art. 905 700 00**

**Models** Ducato 1.9D, Ulysse 2.1 TD  
 Scudo 1.9D/TD

**See Page 45**

**Types of engines** XUD 9TF (98-)

## DIESEL 2.5 D/TD, 2.8D/JTD belt

**Art. 907 180 00**

**Models** FIAT: Croma (93-97), Ducato (87-06)

**Types of engines** 2.5 D - 8144.76  
 2.5 TD - 8140.27, 8140.47R, 8144.21, 8144.97Y  
 2.8D/TD - 8140.43, 8140.63  
 2.8JTD - 8140.43S

**Weight** 0,30 kg



**also for cars: CITROEN/PEUGEOT LAND ROVER, OPEL and ROVER**

## DIESEL 2.3JTD belt / 3.0 JTD chain

**Art. 907 090 00**

**Models** FIAT Ducato

**Types of engines** 2.3 JTD belt - F1AE0481C, F1AE0481D, F1AE0481N (02-10)  
 3.0 JTD chain - F1CE0481D with chain (2004-)

**Weight** 0,80 kg

**also for cars: IVECO**



## DIESEL JTD 2.2 / 3.0 chain, 2.3 belt

**Art. 907 200 00**

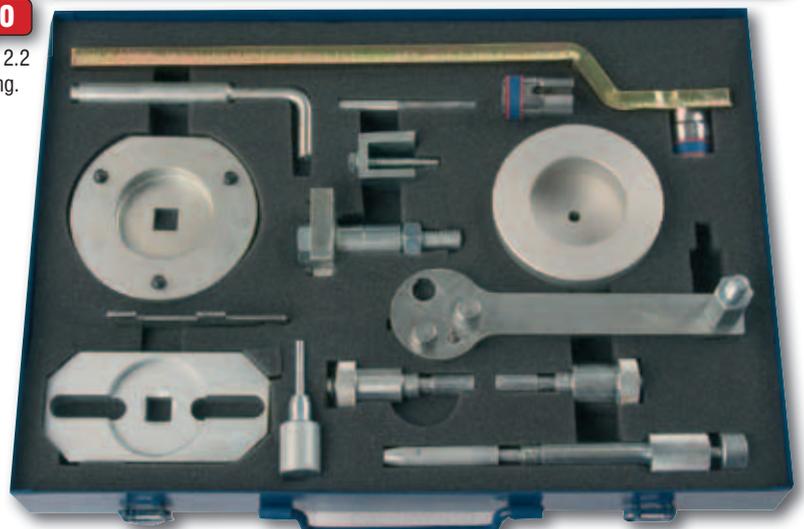
**Description** A set of locking and timing of devices regulatory for cars FIAT 2.2 JTD, 3.0 JTD with timing chain and the 2.3 JTD with belt timing.

**also for cars: IVECO**

**Models** Fiat Ducato 2.2, 2.3, 3.0 Diesel MultiJet  
 Fiat Ducato 2.3 Diesel MultiJet (HPI)  
 Fiat Ducato 3.0 Diesel MultiJet HPI

**Types of engines** 2.2 JTD  
 2.3 JTD - F1AE0481 (A, B, C, F, G, H, ID, IN)  
 3.0 JTD - F1CE0481 (A, F) engines HPI  
 F1CE0481 (B, H) engines HPT

**Weight** 5,30 kg



## PETROL &

## DIESEL

## Belt and Chain

## FORD MASTER

**Upgrade !**

**Art. 906 601 00**

Models  
i engines

**Petrol engines:**  
**FORD:** Fiesta, Puma, Focus, Focus C-MAX, Escort, Orion, Mondeo, Cougar, Courier, Tourneo, Transit, Fusion, Connect;  
**1.25, 1.4, 1.6, 1.7, 1.8, 2.0 16V (91-10)**  
**MAZDA:** 121 1.25 (DHA) 16V

**Diesel engines:**  
 All models (83-10) with engines  
**1.4, 1.6 TDCi (02-08)**  
**1.8 D/TD (88-00), 1.8Di (98-04), 1.8TDCi (01-08)**  
**2.0 Ddi, 2.0 TDDi, 2.0 TDCi, 2.2 DTCi (00-10)**  
**2.0, 2.4TDDi/TDCi 16v Duratorq (00-06)**  
**2.5 Di/Turbo/TCI (83 - 00)**  
**MAZDA:** 1.8 D (95-99)  
**CITROEN:** C3 (02-06), **PEUGEOT:** 1.4, 1.6 HDI (02 - 06)

A detailed description of the use in descriptions of sets on pages 52, 53 and 54.

Weight

2,50 kg

also for cars:  
**MAZDA, VOLVO, LAND ROVER**

Contains sets:

**Art. 906 100 00**

**Art. 906 201 00**

**Art. 906 300 00**

**Art. 906 310 00**

**Upgrade !**

+ tools for engines 2.0 TDCi after 2003 year, code (AZWA, QXWA, G6DA, G6DB, G6DC)



## PETROL 1.25 - 2.0 16V Chain/Belt

**Art. 906 300 00**

Models

Fiesta, Puma, Focus, Focus C-MAX, Escort, Orion, Mondeo, Cougar, Courier, Tourneo, Transit, Fusion, Connect;  
**1.25, 1.4, 1.6, 1.7, 1.8, 2.0 16v (91-10) all types of engines**  
 (bez 1.6 Ti-VCT 16V - necessary additional locking tool 906 320 00 See page 53)

Weight

0,40 kg



also for cars: **MAZDA and VOLVO**

Additional  
equipment

**+ Art. 906 350 00**

Set to the dismantling of the pulley of crankshaft.



**+ Art. 906 400 00**

Wrench to locking pulley crankshaft  
 (Description beside)



**+ Art. 906 310 00**

Flywheel holding tool for petrol engines in place of starter



## PETROL 1.8 / 2.0 16v Chain

Wrench to lock the crankshaft pulley

**Art. 906 400 00**

Models

**FORD:** Mondeo 1.8, 2.0 16v PETROL Duratec HE with timing chain (00 - 06).

Weight

2,30 kg



## PETROL 16V

Set to the dismantling of the pulley of crankshaft

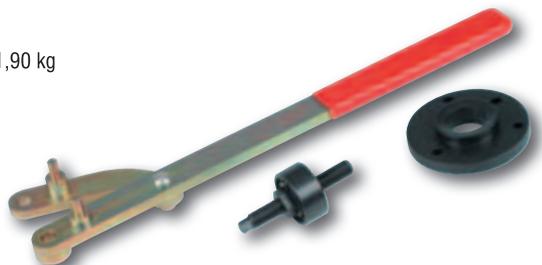
**Art. 906 350 00**

Models

**FORD:** Focus, Fiesta, Puma 1.25, 1.4, 1.6, 1.7 16v (95 - 98);  
**MAZDA:** 121 1.4, 1.6 16v.

Weight

1,90 kg



## PETROL 1.6 16V Ti-VCT belt

**Art. 906 320 00**

The device for wheel alignment camshaft in engines with variables camshaft phasing

**Models** Fiesta, Focus, Focus C-Max, Mondeo (03-10)  
**1.6 16v Ti - VCT**

**Types of engines** HXDA, HXJA  
PNBA, RHBA

**Weight** 0,55 kg



## PETROL 1.2 DURATEC belt

**Upgrade !**

**Art. 907 100 00**

**Models** Ford KA (09-)

also for cars:  
FIAT, LANCIA

**Weight** 1.35 kg



**Update !**

+ Wrench to the timing belt tensioner

## PETROL 2.5 TURBO (EURO 4) belt

**Art. 906 500 00**

A set of locking tools and camshaft of the regulatory devices for engines: Ford / Volvo 2.5 Turbo PETROL.

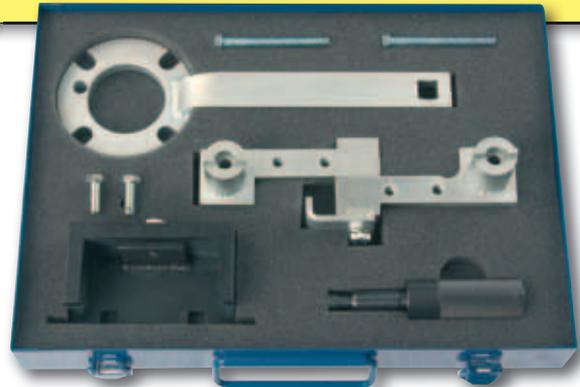
**Models** FORD: Focus, Mondeo, S-Max 2.5 ST, Galaxy 2.5 ST (2005-)

**Types of engines** 2.5 Turbo (EURO 4) - HUBA, HUWA, HYDA

Volvo S40, S60, S80, V50, V70, C70, XC70, XC90

**Weight** 3,70 kg

also for cars: VOLVO



## PETROL 2.8 chain

**Art. 911 014 00**

**Models** Galaxy (95-00)

**Types of engines** 2.8 AAA, AMY

**Weight** 0,55 kg

also for cars:  
SEAT and VOLKSWAGEN



## DIESEL 1.3 16V DURATORQ chain

**Art. 904 019 00**

**Models** KA (09-)

**Weight** 0,65 kg

also for cars:  
FIAT, LANCIA OPEL and SUZUKI

**Additional equipment**

A set of additional tools for setting camshaft after removing the engine head and other major engine repairs.

**+ Art. 904 019 50**

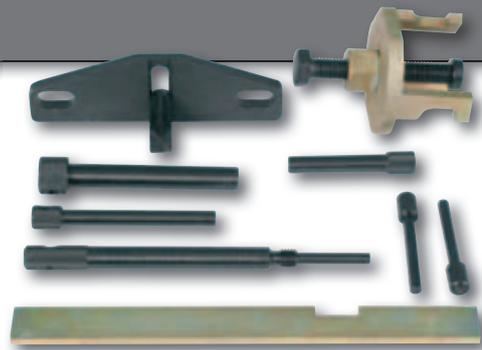
**Weight** 1,70 kg



## DIESEL 1.8 D/TD/Di/TDCi & 2.5 DI/Turbo/TCI Belt

**Art. 906 100 00**

**Models** FORD: Fiesta, Courier, Escort, Orion, Sierra, Mondeo **1.8D/TD** (88-00); Fiesta, Focus **1.8Di** (98-04), **1.8TDCi** (01-08); Transit, Tourneo **2.5DI/Turbo/TCI** (83-00);  
**MAZDA**: 1.8 D (95-99).  
**Types of engines** C9DC, F9DA/B, C9DA/B, BHDA/B, BHPA, HCPA, FFDA, HCPB, P7PA, P9PA, R2PA, R3PA, RWPA, RFK, RFN, RKD, RTJ, RTK, 4EB, 4EC, 4ED, 4FA, 4FB, 4FC, 4FD, 4GA, 4GB, 4GC, 4GD, 4GE, 4HB, 4HC  
**Weight** 1,50 kg



## DIESEL TDCi 1.4-2.4 Belt and Chain

**Upgrade !**

**Art. 906 201 00**

**Models** Fiesta, Fusion, Focus, C-Max Mondeo, Galaxy, Transit (00-10);  
**Types of engines** **1.4 TDCi** - F6JA, F6JB, F6JC, F6JD  
**1.6 TDCi** - G8DA, G8DB, HHDA, HHDB, HHJA, HHJB, HHJD  
**2.0 TdDi** - ABFA, D3FA, F3FA  
**2.0 TdDi** - D5BA, D6BA  
**2.0 TDCi** - AZWA, QXWA, FMBA, FMBB, FIFa, G6DA, G6DB, G6DC, HJBA, HJBB, HJBC, HJBE, N7BA, N7BB, SDBA  
**2.2 TDCi** - QJBA, QJBB, QJBC, QJBD  
**2.4 Ddi** - D2FA, D2FB, D4FA, D0FA, F4FA  
**2.4 TDCi** - FXFA, H9FA, H9FB, JXFA, PHFA

also for cars:

**CITROEN/PEUGEOT, LAND ROVER, MAZDA and VOLVO**

**Weight** 0,80 kg



**Upgrade !**

+ Additional tools for new engines 2.0/2.2TDCi

**+ Art. 906 250 00**



**+ Art. 906 210 00**

Wrench to the timing belt tensioner - See below

## DIESEL 2.0 / 2.2 TdDi/TDCi Chain

Wrench to the timing belt tensioner ancillary equipment

**Art. 906 210 00**

**Models** Mondeo (00-07)

**Weight** 1,10 kg



**NEW**

## DIESEL 2.0 / 2.4 16v Chain

Set for dismantling and installation of injection pumps

**Art. 906 250 00**

**Models** FORD: Mondeo, Transit Diesel Duratorq 16V 2.0, 2.4 (01-10).  
**Types of engines** FMBA/B, D5BA, ABFA, D3FA, F3FA, D2FA, D4FA, F4FA.  
**Weight** 1,40 kg



## DIESEL 1.9 TDI Belt (Galaxy)

**Art. 911 022 00**

**Models** Galaxy (95-00)  
**Types of engines** 1Z, AHU, AFN AVG  
**Weight** 0,15 kg



**Additional equipment**

Pin to locking wheel the injection pump drive

**+ Art. 911 030 01**



## DIESEL 1.9 TDI PD Belt (Galaxy)

**Art. 904 010 34**

**Models** Galaxy (99-06)  
**Types of engines** ANU, ASZ, AUy  
**Weight** 0,65 kg



**Additional equipment**

also for cars: AUDI, VW, SEAT, SKODA and MITSUBISHI

**+ Art. 915 500 00**

Wrench to the timing belt tensioner





## PETROL & DIESEL

**Upgrade !** Art. 904 051 00

**Description** Set to replace timing belts for engines with roller compensatory.

**Models** **Cars with petrol engines:**  
Civic(91-95), Accord(92-03), Prelude(92-01), Shuttle/Odyssey(95-01)

**Cars with Diesel engines:**  
Civic (97-00), Accord (96-03)

**Types of engines** **Petrol engines:**  
1.6 B16A2  
1.8 F18A3, F18B2, F18B4  
2.0 F22Z2, F22B2, F22B8, H22A2, H22A5, H22A7, H22A8  
2.3 F23A7, F23Z5, H23A2, H23A3  
3.0 J30A1

**Diesel engines:**

2.0 TDi  
20T2N  
20T2R

**Weight** 0,80 kg



**Upgrade !**  
+ tools for Diesel engines 2.0 TDi

## PETROL 1.4 - 3.5 belt Wrench to the crankshaft

Art. 904 055 00

**Types of engines** **Civic** (01-06)  
1.4(D1425, D1426)  
1.6(D16V1, D17W7)  
1.7(D17A2, D17A8, D17A9)

**Accord** (93-03)  
1.8/2.0(F18A3, F20B3, F20Z1, F200Z2)  
2.2/2.3(F22Z2, F22B5, F23Z5),  
3.0

**Legend** (96-04)  
3.5(C35A2, C35A5)

**FRV** (04-07)  
1.7 (D17A2)

**Shuttle/Odyssey** (95-01)  
2.2/2.3 (F22B8, F23A7)

**Weight** 3,30 kg



## PETROL 16V 1.6 / 1.8 / 2.0 / 2.4 belt

Art. 904 045 00

**NEW**

**Models** Lantra (91-06)  
Sonata (93-01)  
Trajet (00-05)  
Santa-Fe (01-06)

also for cars: MITSUBISHI

**Types of engines** G4-N G4CP G4-R  
G4-P G4JS 4JP

**Weight** 0,20 kg



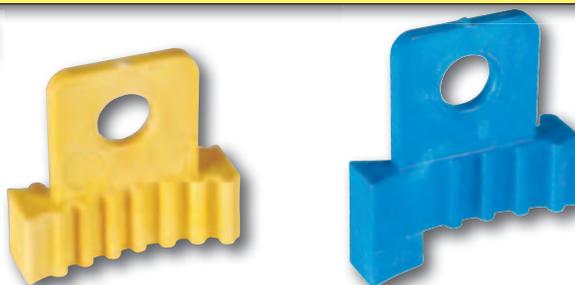
## PETROL 2.0 16V belt

Art. 904 020 00

**Models** HYUNDAI: Sonata 2.0 16V (99 - )  
Yellow: 904 020 10

HYUNDAI: Sonata 2.0 16V ( - 99)  
Blue: 904 020 11

**Weight** 50 g



## DIESEL 2.5 / 2.8 Belt

**Art. 907 180 00**

Models  
i Engines

IVECO Daily/Turbo Daily (87-06)

also for cars:  
CITROEN/PEUGEOT, FIAT,  
OPEL and RENAULT

2.5D / 2.5DT - 8140.07 8140.27S 8140.47R 8140.97  
8140.21 8140.47 8140.67F

2.8D / 2.8JTD - 8140.23 8140.43N 8140.63  
8140.43B 8140.43R 8140.23.27  
8140.43C 8140.43S 8140.43.37

Weight 0,30 kg



## DIESEL JTD 2.3 Belt / 3.0 Chain

**Art. 907 090 00**

Models

Daily 2.3, 3.0 JTD (02-09)

also for cars: FIAT

Types  
of engines

2.3 JTD - F1AE0481 (A, B, C, F, G, H, ID, IN)

3.0 JTD - FICE0481 (A, F) engines HPI  
FICE0481 (B, H) engines HPT

Weight 0,80 kg



## DIESEL JTD 2.2 / 3.0 chain, 2.3 belt

**Art. 907 200 00**

Description

A set of camshaft locking tool and devices regulatory for cars IVECO 2.2, 3.0, with a timing chain and 2.3 JTD with camshaft stripe.

Models

IVECO 23/35/40 Daily 2.2JTD / 2.3 HPI  
IVECO 35/40/45/50/ Daily 3.0 HPI

also for cars: FIAT

Types  
of engines

2.2 JTD

2.3 JTD - F1AE0481 (A, B, C, F, G, H, ID, IN)

3.0 JTD - FICE0481 (A, F) engines HPI  
FICE0481 (B, H) engines HPT

Weight 5,30 kg



# Timing Tools JAGUAR

## DIESEL 2.0D / 2.2D Chain

**Art. 906 201 00**

Models

X-Type (03-)

Types  
of engines

2.0D - FMBA, FMBB  
2.2D - QJBA

also for cars:  
CITROEN/PEUGEOT, FORD, LAND  
ROVER, MAZDA and VOLVO

Weight 0,80 kg



Additional  
equipment

**+ Art. 906 250 00**



## DIESEL 2.7 TDV6 Belt

**Art. 904 010 70**

Models

S-Type (04-08) XJ6 (04-09) XF (07-09)

Types  
of engines

2.7V6 - 276DT/7G

also for cars:  
LAND ROVER

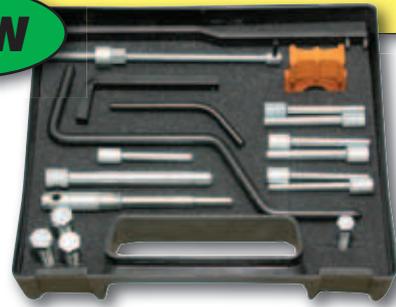
**NEW**



## PETROL 1.8 16V / 2.0 16V Belt

**Art. 904 010 60**

**NEW**



**Models i engines** Freelander (97-06)  
Discovery (93-97)  
1.8 16V - 18K16  
2.0 16V - 20T4 (T16)

**Weight** 1,0 kg

also for cars:  
**ROVER/MG PETROL and Diesel**

## DIESEL 2.5 Turbo Chain

**Art. 903 300 00**

**Description**

Kit includes the injection pump puller and the camshaft locking tool, pin to block flywheel, tensioners locking pins.

**Models** Range Rover 2.5 DT / SE

also for cars:  
**BMW and OPEL; include in set  
BMW MASTER art. 903 100 00 p.40**

**Types of engines** 25 6T (94 - 02) (BMW: M51)

**Weight** 1,10 kg



**Additional equipment**

**+ Art. 903 350 00**

Timing chain tensioner



## DIESEL 2.0 Td4 / 3.0 Td6 Chain

**Art. 903 200 00**

**Description**

Kit includes camshaft locking tool with handle, pin to block the flywheel and tensioners locking pins.

**Models + Types of engines** Freelander 2.0 Td4 (00 - 06) - 204D3/Td4 (BMW: M47)  
Range Rover 3.0 Td6 (02-06) - 306D1/Td6 (BMW: M57)

**Weight** 1,15 kg

also for cars: **BMW and OPEL**



**Additional equipment**

**+ Art. 903 280 00**

Puller the injection pump gear wheel



## DIESEL 2.2 Td4 belt / 2.4 Td4 chain

**Art. 906 201 00**

**Models** Freelander 2 (06-09)  
Defender (06-09)

**Types of engines** 2.2 - Td4 / DW12BTED4 belt  
2.4 - Td4 / 244DT chain

**Weight** 0,80 kg

also for cars:  
**CITROEN, PEUGEOT, FORD,  
JAGUAR, MAZDA and VOLVO**



**Additional equipment**

**+ Art. 906 250 00**



## DIESEL 2.0TDi / 2.5 Td5 / 2.7 TDV6

**Art. 904 010 70**

**Models + Types of engines** Freelander (97-00) 2.0 TDi - 20T2N, 20T2R belt  
90/110/130/Defender (99-07) 2.5 Td5 - 10P, 15P chain  
Discovery (98-05) 2.5 Td5 - 10P, 15P chain  
Sport/Discovery 3 (04-08) 2.7 TDV6 - 276DT belt  
Range Rover (05-08) 2.7 TDV6 - 276DT belt

**NEW**

also for cars:  
**JAGUAR**



## PETROL 1.25 - 2.3 16V Belt/Chain

**Art. 906 300 00**

Models	121 (95-00)	5 (05-)	MPV (02-05)		
	2 (02-07)	6 (02-)	Tribute (01-04)		
	3 (03-)	MX-5 (05-)			
Types of engines	<b>1.25 16V</b>	<b>1.4 16V</b>	<b>1.6 16V</b>	<b>1.8 16V</b>	<b>2.0 16V</b> <b>2.3 16V</b>
	DHA FUJA FUJB	FXJA FXJB	FYJA	L8 YF	LF L3
Weight	0,40 kg				

Also for car FORD;  
Includes a set of  
FORD MASTER  
art.906 601 00 p.52



Additional equipment

### + Art. 906 350 00

Set to dismantle the crankshaft pulley.  
MAZDA 121 1.25 16V (DHA)



### + Art. 906 400 00

Wrench to lock the crankshaft pulley.  
MAZDA 3 and 6 - 1.8/2.0/2.3 16V chain (L8, LF, YF, L3)



## PETROL 16V Belt

**Art. 904 010 15**

Models	MAZDA: 323 (98-)
	626 (92-)
	Premacy (99-)



Weight 40 g

## DIESEL 1.4 / 1.6 Belt

**Art. 906 201 00**

Models	MAZDA: 2 (02-)
	3 (04-)
Types of engines	FJ6A, F6JB, Y6

also for cars:  
CITROEN, PEUGEOT, FORD,  
LAND ROVER and VOLVO,

Weight 0,80 kg



## DIESEL 1.8 D timing belt

**Art. 906 100 00**

Models	Mazda 1.8D (95-98)
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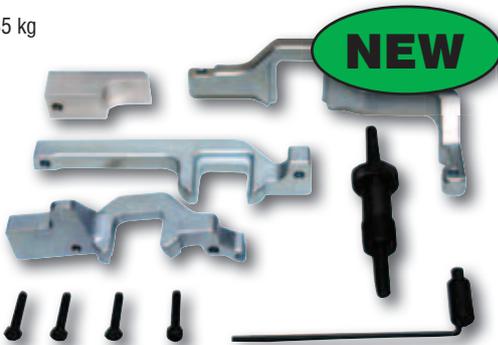
See Page 54

## PETROL 1.4/1.6 16V Chain

**Art. 905 450 00**

Models	MINI: One (07-10), Cooper (06-10), Cooper S(06-10)	
	Types of engines	1.4 & 1.6 Valvetronic code N12 1.6 Direct Injection code N14
	Weight	2,35 kg

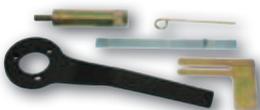
**NEW**



Additional equipment

### + Art. 903 468 00

A set of additional tools  
Description page 39



## DIESEL 1.6 Belt

**Art. 905 460 00**

Models	MINI: Cooper D (06-10)
Types of engines	1.6D - W16
Weight	1,0 kg

**NEW**



## PETROL 16V 1.8 - 3.5 Belt

**Art. 904 045 00**

<b>Models</b>	Colt (89-95)	Eclipse (93-00)	Space Runner (99-04)
	Lancer(89-05)	3000GT (93-00)	Challenger (98-00)
<b>Types of engines</b>	Carisma (96-05)	Space Star (99-06)	Grandis (04- )
	Galant (93-03)	Outlander (03-07)	L200/Triton (97-06)
<b>Weight</b>	Sigma (91-96)	Space Wagon (92-05)	
	Shogun/Pajero/Pinnin/Montenero (94-00)		
	<b>1.8 16V GDi</b>	<b>2.0 /16V/V6/GDi</b>	<b>2.4/GDi</b>
	4G67	4G63	4G64
	4G93	4G94 / 6A12	4G69
			<b>2.5 V6</b>
			6G73
			<b>3.0 V6</b>
			6G72
			<b>3.5 / GDi V6</b>
			6G74

also for cars: **HYUNDAI**



**NEW**

## PETROL set. 7 pc belt

**Art. 904 040 00**

<b>Models</b>	<b>Brown: 904 040 18</b>
	MITSUBISHI: Space Wagon (97- );
<b>Weight</b>	<b>Black: 904 040 19 + 904 040 20</b>
	MITSUBISHI: Carisma (96- ); Space Star (97- ); Galant 2.0 GTI (91- );
	<b>Green: 904 040 21 + 904 040 22</b>
	MITSUBISHI: Galant 24V 2.5 (97- ); Sigma 24v 3.0 (91- );
	Galant 4x4 (91 - )
	<b>Violet: 904 040 23 + 904 040 24</b>
	MITSUBISHI: Pajero 3500 (98- )



## DIESEL 1.9 DI-D belt

**Art. 905 250 00**

<b>Models</b>	Carisma (97-05)
	Space Star (00-06)
<b>Types of engines</b>	F9Q-1/2, F8Q

also for cars:  
**OPEL, RENAULT, NISSAN**



**Weight** 2,00 kg

**Additional equipment**

**+ Art. 905 300 00**

Set for setting the injection pump  
**Carisma (97-02) F8Q**



## DIESEL 2.0 DI-D belt

**Art. 904 010 34**

<b>Models</b>	Grandis (05-09)
	Outlander (07-09)
<b>Types of engines</b>	BSY

also for cars:  
**AUDI, VW, SEAT, SKODA, FORD**  
includes a set of  
**VW MASTER art. 911 990 00 p.71**

**Weight** 0,65 kg



**Additional equipment**

**+ Art. 915 500 00**

Wrench to the tensioner timing belt.



## PETROL 1.6 16V

## + DIESEL 1.5 dCi

**Upgrade !**

**Art. 905 100 00**

Models  
+ Types  
of engines

**PETROL:** Kubistar (03-08)  
**1.6 16V - K4M 752/753**

**DIESEL:** Micra (03-), Almera (02-06)  
Note (06-), Qashqai (07-)  
Kubistar (03-)

**1.5 dCi - K9K 260/270/272/274/276/702/704/710**

Weight 1,00 kg

also for cars:  
**DACIA, OPEL and RENAULT**

Additional  
equipment

**+ Art. 905 130 00**

Camshaft sprocket  
locking device for 16V  
engines.  
Essential for removing  
and installing gear  
wheels for camshaft.



**Upgrade !**

+ additional handle to the camshafts locking tool

## DIESEL 1.5 / 1.9 / 2.2 / 2.5 dCi Belt

**Upgrade !**

**Art. 905 250 00**

Models

Micra (03- ) Primera P12 (03-07)  
Almera (02-06) Kubistar X76 (03- )  
Note (06- ) Primastar X83 (02- )  
Qashqai (07- ) Interstar X70 (02- )

Types  
of engines

**1.5 dCi - K9K 260/270/272/274/276/702/704/710**  
**1.9 dCi - F9Q 760/762/772/774**  
**2.2 dCi - G9T 722/750**  
**2.5 dCi - G9U 632/650/720/724/726/750/754**

Weight 2,00 kg

also for cars:  
**OPEL and RENAULT**



**Upgrade !**

+ Pin to fixing the injection pump

## DIESEL 2.0 dCi Chain

**Art. 905 281 00**

Models

Qashqai (07-), X-Trail (07-), Primastar (06-)

Types  
of engines

**2.0 dCi - M9R 780/830/832/833**

also for cars:  
**OPEL and RENAULT**

**NEW**



Weight 2,40 kg

## DIESEL 2.0 dCi timing chain basic set

**Art. 905 280 00**

Models

Qashqai (07-), X-Trail (07-), Primastar (06-)

Types  
of engines

**2.0 dCi - M9R 780/830/832/833**

also for cars:  
**OPEL and RENAULT**

Weight 0,50 kg



**PETROL &**

**DIESEL**

**OPEL MASTER**

**NEW**

**Art. 904 900 00**

**Models + Types of engines**

**Petrol engines** mounted on all models Opel:

- 1.0/1.2/1.4 16V timing chain (97-10)
- 1.4/1.6/1.8/2.0/2.2 16V timing belt (93-10)

**Diesel engines** mounted on all models Opel:

- 1.3 CDTi - Z13DT, Z13DTH
- 1.6 Diesel - (86-2000)
- 1.7 D/TD
- 1.9 CDTi - passenger cars (Z19DTH, Z19DT)
- 2.0 CDTi - timing belt
- 2.0/2.2 DTi - timing chain
- 2.5D - timing chain
- 2.8D - timing chain

A detailed description of the use in descriptions of sets on pages 61 - 64

**Weight** 5,0 kg



Kit 904 900 00 includes sets and utility numbers:

**Art. 904 008 00**

**Art. 904 010 01**

**Art. 904 010 02**

**Art. 904 010 35**

**Art. 904 011 00**

**Art. 904 013 00**

**Art. 904 015 00**

**Art. 904 018 00**

**Art. 904 019 00**

**Art. 907 180 00**

**Art. 911 024 00**

**Art. 911 026 00**

**Art. 911 028 00**

## PETROL 1.0/1.2/1.4 DOHC chain

**Art. 904 010 35**

**Description**

Kit includes the camshafts locking tool, the pin to block crankshaft, device for positioning the camshaft detector and the pin to locking chain tensioner.

**Models**

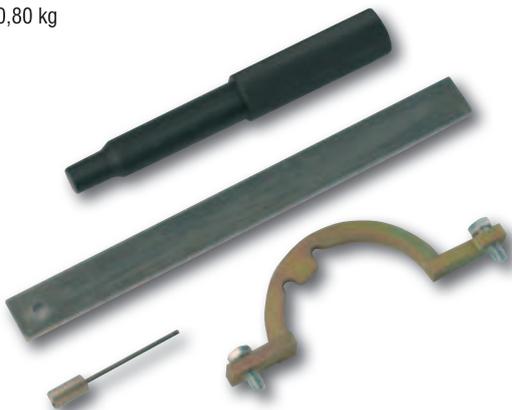
Agila, Astra G/H, Combo, Corsa B/C/D, Meriva, Tigra  
1.0 12V / 1.2 16V / 1.4 16V Twin Cam Ecotec (97-10)

**Types of engines**

1.0 12V - X10XE, Z10XE, Z10XEP  
1.2 16V - X12XE, Z12XE, Z12XEP  
1.4 16V - Z14XEL, Z14XEP

Also for cars  
**SUZUKI**

**Weight** 0,80 kg



## PETROL 1.6/1.8 16V (TURBO) belt

**Art. 904 013 00**

**Description**

Kit includes the camshafts locking tool, flywheel locking tools, the pin fixing the timing belt tensioner.

**Models**

Corsa - D, Astra-G,-H, Meriva, Zafira-B, Vectra-C, Signum, Insignia (03-09)

**Types of engines**

1.6 Z16LEL, Z16LER, Z16LET, Z16XE1, Z16XEP, Z16XER, A16XER/LDE  
1.8 Z18R, Z18XER/2HO

**Weight**

0,65 kg

also for cars:  
**ALFA ROMEO and FIAT**



## PETROL Interlocks the camshafts set 5 pcs

**Art. 904 010 00**

Models  
+ Types  
of engines

**Yellow** **Art. 904 010 01**  
Astra-F+G+H, Meriva, Speedster, Zafira-A+B, Vectra-B+C, Signum, Omega-B, Sintra, Frontera-A+B (95 -)  
**1.8 16V** - C18XEL, X18XE, X18E1, Y18XEL, Z18XE, Z18XEL  
**2.0 16V** - C20SEL, C20XE, X20XEV, Z20LEH, Z20LEL, Z20LER, Z20LET  
**2.2 16V** - X22SE, X22XE, Y22SE, Y22XE, Z22XE

**Blue** **Art. 904 010 02**  
Combo, Corsa B+C, Tigra -B, Meriva, Astra F+G+H, Vectra -B+C (93-)  
**1.4 16V** - X14XE, Z14XE  
**1.6 16V** - Z16SEJ, X16XE, X16XEL, Y16XE, Z16XE, Z16YNG;

**Green** **Art. 904 010 03**  
OPEL: Vectra, Omega; SAAB: 900, 9000;  
**2.5, 3.0 V6** (94 -) -> See set 904 016 00

**Red** **Art. 904 010 04**  
OPEL: Vectra, Omega; SAAB: 900, 9000;  
**2.5, 3.0 V6** (94 -) -> See set 904 016 00

**White** **Art. 904 010 05**  
Astra, Calibra, Omega **1.8, 2.0 16v** (93 -) with small wheels of the camshafts

Weight 0,36 kg



Additional  
equipment



**+ Art. 904 008 00 \***

Roll locking pin to tensioning the timing belt.



**+ Art. 904 012 00 \***

Flywheel holding tool  
\* without OPEL V6 2.5 and 3.0



**+ Art. 904 011 00**

Flywheel holding tool (automatic transmission)

## PETROL 2.2 16V Chain

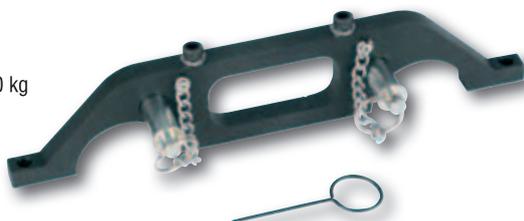
**Art. 904 014 00**

Models  
Types  
of engines

The camshafts locking tool.  
Astra, Vectra - B / C, Zafira, Signum, Frontera 2.2 16v (00-07)

Z22SE, Z22YH

Weight 1,00 kg



## PETROL 2.0 TURBO Chain

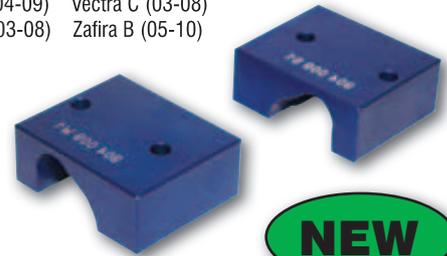
**Art. 904 009 00**

Models  
Types  
of engines

Interlocks the camshafts  
Astra H (04-09) Vectra C (03-08)  
Signum (03-08) Zafira B (05-10)

Z20NET

Weight 0,50 kg



**NEW**

## PETROL 2.0 16V Belt

**Art. 905 100 00**

Models  
Types  
of engines

Vivaro (01-)  
F4R 720/722/820

also for cars:  
**RENAULT and NISSAN**

Weight 1,00 kg

Additional  
equipment



Camshaft sprocket locking device for 16V engines. Essential for removing and installing gear wheels for camshaft.

**+ Art. 905 130 00**



**+ Art. 904 012 00**

Flywheel holding tool

## PETROL 2.8 V6 Chain

**Art. 904 060 00**

Models  
Types  
of engines  
Weight

Interlocks the camshafts and the instrument to set the crankshaft

Vectra C (05-07)

Z28 NEL

0,70 kg



**NEW**

## PETROL 2.5 / 2.6 / 3.0 / 3.2 V6 Belt

**Art. 904 016 00**

**Models** Vectra-A+B+C (93-03), Omega-B (94-03), Calibra 2.5 V6 (93-03), Signum (03-05), Sintra 3.0 V6 (94-03)

**Types of engines** 2.5 V6 - C 25XE, X 25XE 3.0 V6 - X30XE  
2.6 V6 - Y 26SE 3.2 V6 - Y 32SE, Z 32SE

**Weight** 1,80 kg **also for cars: SAAB**



**Additional equipment** Wrench to tensioning the belt timing (V6 engines)



**+ Art. 904 017 00**

**PETROL & DIESEL**

## Wrench to tensioning the belt timing

**Art. 904 010 40**

**Models** OPEL: 1.2 - 1.6 SOHC.  
Wrench water pump to tensioning the timing belt 41mm.

**Weight** 0,40 kg



**also for cars: CHEVROLET and DAEWOO**

**Art. 904 010 46**

**Models** OPEL: 1.8, 2.0 SOHC, 1.6D, 1.7D.  
Wrench to the water pump to tensioning the timing belt 46 mm.

**Weight** 0,40 kg



**also for cars: CHEVROLET and DAEWOO**

## DIESEL 1.9 / 2.0 CDTi Belt

**Art. 904 015 00**

**Models** Astra-H, Vectra-C, Signum, Zafira-B, Insignia (04-)

**Types of engines** 1.9 CDTi - Z19DT, Z19DTH, Z19DTJ, Z19DTL **also for cars: ALFA ROMEO, FIAT and LANCIA**  
2.0 CDTi - A20DT (LBS/LBX/LBY/LCD)

**Weight** 0,80 kg



## DIESEL 1.3 CDTi Chain

**Upgrade !**

**Art. 904 019 00**

**Models** Agila, Corsa/Combo, Astra-H, Tigra-B, Meriva 1.3 CDTi (04-)

**Types of engines** Z13DT, Z13DTH, Z13DTJ

**Weight** 0,65 kg

**also for cars: FIAT, FORD LANCIA and SUZUKI**



**Upgrade !**

**+ pin to block the crankshaft**

**Additional equipment** A set of additional tools for setting camshaft after removing the engine head and other major engine repairs.

**+ Art. 904 019 50**

**Models**



**Weight** 1,70 kg

## DIESEL 1.6 D / 1.7 D / TD Belt

**Art. 911 028 00**

**Models** The dial gauge Holder  
OPEL: Kadett, Astra, Vectra 1.6 D, 1.7 D / TD (86 - 00).

**Weight** 0,30 kg



**Models** Flywheel holding tool  
OPEL: Astra 1.7 D (- 98).

**Weight** 0,10 kg



**Models** Pin to locking flywheel  
OPEL: Astra 1.7 D (98 -).

**Weight** 0,15 kg



**Art. 911 026 00**

## DIESEL 2.0 D Belt

**Art. 904 021 00**

**Models** Antara (06-)

**Types of engines** 2.0 D - Z20DM, Z20DMH

**Weight** 1,15 kg

**also for cars: CHEVROLET**

**NEW**



## DIESEL 2.0 dCi Chain

**Art. 905 281 00**

**Models** Vivaro (07-)  
**Types of engines** 2.0 dCi - M9R 780/782/784  
**Weight** 2,40 kg

also for cars:  
**NISSAN and RENAULT**



**NEW**

## DIESEL 2.0 / 2.2 DTI Chain

**Art. 904 018 00**

**Models** Astra-G, Zafira-A, Vectra-B+C, Omega, Signum, Sintra, Frontera-B 2.0/2.2 D DTI (98-06)  
**Types of engines** 2.0 DTI - X20DTH, X20DTL, Y20DTH, Y20DTL  
 2.2 DTI - X22DTH, Y22DTH, Y22DTR  
**Weight** 2,10 kg

also for cars: **SAAB**



## DIESEL 2.5 TDS Chain

**Art. 903 300 00**

**Models** Omega B 2.5 TD (94-01)  
**Types of engines** 25DT / X25DT;  
**Weight** 1,10 kg

also for cars:  
**BMW and LAND ROVER**



**Additional equipment**

**+ Art. 903 350 00**

Timing chain tensioner



**+ Art. 903 370 00**

The device to crowd out the injection pump.



## DIESEL 1.9 Di/DTi/CDTi, 2.2 DTi, 2.5 DTi/CDTi Belt

**Upgrade !**

**Art. 905 250 00**

**Models** Movano 1.9 CDTi, 2.2/2.5 DTi (00-10), Vivaro 1.9/2.5 DTi (01-10)  
**Types of engines** 1.9 CDTi - F9Q 724/760/762/772/774  
 2.2 CDTi - G9T 720/772/750  
 2.5 CDTi - G9U 630/632/650/720/724/726/730/750/754  
**Weight** 2,00 kg

also for cars: **OPEL and NISSAN**



**Upgrade !**

+ Pin to fixing the injection pump

## DIESEL 2.5 DTI Chain

**Art. 903 200 00**

**Models** Omega-B (01-03)  
**Types of engines** Y25DT  
**Weight** 1,15 kg

also for cars :  
**BMW and LAND ROVER**



**Additional equipment**

**+ Art. 903 280 00**

Puller the injection pump gear wheel



## DIESEL 2.5D / 2.8D TURBO Belt

**Art. 907 180 00**

**Models** Arena(97-01) / Movano(98-03)  
**Types of engines** 2.5D - S8U 770/772  
 2.8D - S9W 700/702  
**Weight** 0,30 kg

also  
 for cars:  
**CITROEN/PEUGEOT, FIAT, IVECO and RENAULT**



## PETROL &

## DIESEL 1.5dCi

## RENAULT MULTI-SET

**NEW**

**Art. 905 000 00**

**Models** Twingo, Clio/Sport II+III, Kangoo, Megane/Megane II, Modus, Scenic/Scenic II/Grand Scenic II, Laguna/Laguna II, Espace 1.2, 1.4, 1.6, 1.8, 2.0, 2.0Turbo 16v (98 - 08); 2.0 16V IDE, 1.5 dCi;

**Types of engines** D4F 702/704/706/708/712/714/716/730  
K4J 700/710/711/712/713/714/715/730/732/740/750/770/780  
K4M 700/701/716/720/724/748/760/761/764/766//770/771/782/788/790/791/794/800/801/802/804/812/813/830  
F4P 720/722/760/770/771  
F4R 700/701/730/740/741/744/780  
F4Rt 776/784/786/787  
F5R 700/710/711  
K9K;

also for cars:

NISSAN: Micra 1.5 dCi,  
Kubistar 1.6 16v (03-08) [K9K, K4M];  
OPEL: Vivaro 2.0 16v (01-08); [FR4 720]  
DACIA: Logan 1.5 dCi

**Weight** 4,35 kg

A detailed description of the use in the descriptions sets on pages 65-67

Includes kits and tools:

**Art. 905 100 00**

**Art. 905 110 00**

**Art. 905 120 00**

**Art. 905 130 00**

**Art. 905 140 00**

**Art. 905 150 00**



## PETROL 16v

## DIESEL 1.5 dCi

**Upgrade !**

**Art. 905 100 00**

**Models** RENAULT: Twingo, Clio / Sport, Kangoo, Megane/Megane II Scenic/Scenic II/ Grand Scenic II, Laguna/Laguna II, Espace 1.2, 1.4, 1.6, 1.8, 2.0, 2.0Turbo 16v (98 - 08); 1.5 dCi; DACIA: Logan 1.5 dCi

**Types of engines** 1.2 16V - D4F 702/704/706/708/712/714/716/730  
1.4 16V - K4J 700/710/711/712/713/714/715/730/732/740/750/770/780  
1.6 16V - K4M 700/701/716/720/724/748/760/761/764/766//770/771/782/788/790/791/794/800/801/802/804/812/813/830  
1.8 16V - F4P 720/722/760/770/771  
2.0 16V - F4R 700/701/730/740/741/744/780  
2.0 16V - F4Rt 776/784/786/787  
K9K;

also for cars:  
OPEL and NISSAN

**Weight** 1,00 kg



**Upgrade !**

+ additional handle to the camshafts locking tool

**+ Art. 905 150 00**

Flywheel holding tool for engines code F8Q and F9Q



See the tools on the right page:

**Art. 905 120 00**

**Art. 905 130 00**

**Art. 905 140 00**

**NEW**

## PETROL 1.4 / 1.6 16V Belt

**Art. 905 120 00**

**Models** Wrench to tightening guide roll the timing belt Clio III, Modus, Megane/Scenic I&II, Kangoo (01-09)

**Types of engines** 1.4 16V - K4J 730/732/740/770/780

1.6 16V - K4M 708/716/730/732/750/752/753/760/761/764/766/782/790/791/792/794/800/801/802/804/812/813

**Weight** 0,3 kg



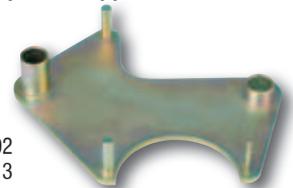
## PETROL 1.6 16V Belt

**Art. 905 130 00**

**Models** Camshaft sprocket locking device for 16V engines. Essential for removing and installing gear wheels for camshaft. Clio III, Modus, Megane/Scenic I&II, Kangoo (01-09)

**Types of engines** 1.6 16V - K4M 708/716/730/732/750/752/753/760/761/764/766/782/790/791/792/794/800/801/802/804/812/813

**Weight** 0,85 kg



## PETROL 1.8 / 2.0 16V Belt

**Art. 905 140 00**

**Models** Device for locking the belt pulleys camshafts Clio II, Megane/Scenic, Megane II, Scenic II, Laguna, Laguna II, Espace (98-)

**Types of engines** 1.8 16V - F4P 720/722/760

2.0 16V - F4R 700/701/712/713/714/715/720/722/730/732/740/741/744/746/770/771/776/780/784/786/787/790/791/792/794/795/796/797/820/830

2.0 16V - F4Rt 776

**Weight** 1,00 kg



**NEW**

## PETROL 2.0 IDE 16V Belt

**Art. 905 110 00**

**Models** Megane / Laguna II 2.0 IDE (95-05)

**Types of engines** 2.0 16V - F5R 700/701/740

**Weight** 0,70 kg



## PETROL 2.0 16V / 2.5 20V Belt

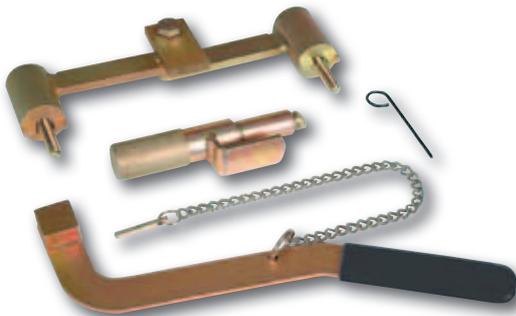
**Art. 905 200 00**

**Models** Laguna, Safrane 2.0 16V, 2.5 20V (96-01)

**Types of engines** 2.0 16V - N7Q 704/710/711  
2.5 20V - N7U 700/701

**Weight** 1,70 kg

also  
for cars :  
VOLVO



## PETROL &

## DIESEL

**Art. 905 500 00**

**Models** **RENAULT:** Twingo, Clio, Megane, Scenic, Kangoo, Safrane, Spider, Espace, Master, Trafic, R5, R9, R11, R19, R21, R25;  
**OPEL:** Movano;  
**VOLVO:** 440, 460, 480, S40, V40;  
**MITSUBISHI:** Carisma 1.9 TD;  
**NISSAN:** Kubistar 1.2 (03 - 06);  
**PETROL:** 1.2, 1.4, 1.6, 1.7, 1.8, 2.0, 2.2;  
**PETROL 16v:** 1.2 16v, 1.8, 2.0 16v;  
**DIESEL:** 1.9 D / TD / dTi, 2.1 D / Turbo, 2.2 D / TD, 2.5 D TD, 2.8 D / Turbo.

**Types of engines** **RENAULT:**  
PETROL: DF7, E5F, E6J, E7F, E7J, K7M, F1N, F2N+R, F3N, F3P, F3R, J5R, J5T, J6R, J7R, J7T, DF4, F7P, F7R;  
Diesel: F8M, F8Q, F9Q, J8S, G8T, S8U, S9U, S9W;  
**VOLVO:** B16, B18, B20;  
**MITSUBISHI:** F8QT;  
**NISSAN:** D7F.



**Weight** 0,90 kg

**Additional equipment**

**+ Art. 905 530 00**

The device of tensioning  
**Renault:** Twingo, Clio, Kangoo  
Engines 1.2 8V (95-07)  
D7F (700/701/703/710/730)



**+ Art. 905 150 00**

Flywheel holding tool  
for engines code F8Q and F9Q



**+ Art. 905 190 00**

Flywheel holding tool  
for engines code F8M and  
earlier code F8Q



## PETROL &

## DIESEL

**Art. 905 150 00**

**Models** **RENAULT:** Clio, Kangoo, Megane, Twingo, Scenic, Laguna, Express, Expert 1.2, 1.6, 1.9 D / TD

**Types of engines** D7F, K7M, K4J, K4M, F4P, F4R, F8Q, F9Q

**Weight** 40 g



**Art. 905 170 00**

**Models** **RENAULT:** Laguna, Safrane, Espace 2.2 TD.

**Types of engines** G8T.

**Weight** 50 g



**Art. 905 190 00**

**Models** **RENAULT:** Megane, Scenic, Laguna, Espace, Express, Extra, R5, R9, R11, R19, R21, Clio 1.7 - 2.2, 1.8 - 2.1 D.

**Types of engines** F3P, F3R, E7J, J7R, F7P, F7R, F8M, F8Q.

**Weight** 0,18 kg



## DIESEL 2.0 dCi Cchain

**Art. 905 281 00**

A complete set of tools to replace the timing chain in the 2.0 dCi engines. In addition to the locking tool of the crankshaft and camshaft located the wrench to the crankshaft and a special device for setting the self-regulatory camshaft wheel with double gear post.

**Models** Megane II, Scenic/Grand/Scenic, Laguna II+III, Vel Satis, Espace, Koleos, Trafic II (05-)

**Types of engines** **2.0 dCi - M9R** 700/721/722/724/740/742/746/760/761/780/802/803/805/830/832/833

**Weight** 2,40 kg

also for cars:  
**NISSAN and OPEL**



**NEW**

## DIESEL 2.0 dCi timing chain basic set

**Art. 905 280 00**

**Models** Megane II, Scenic/Grand/Scenic, Laguna II+III, Vel Satis, Espace, Koleos, Trafic II (05-)

**Types of engines** **2.0 dCi - M9R** 700/721/722/724/740/742/746/760/761/780/802/803/805/830/832/833

**Weight** 0,50 kg



## DIESEL 2.5D/Turbo 2.8D/dTi/dCi Belt

**Art. 907 180 00**

**Models** Trafic (88-00), Master (80-08), Mascot (98-07)

**Types of engines** **2.5 D - S8U** 720/722/730/731/742/748/750/752/770/772/780/782  
**2.5 D Turbo - S9U** 700/702/704/714/740  
**2.8 dTi - S9W** 700/702  
**2.8 dCi - S9W** 206/208/212

**Weight** 0,30 kg



also  
for cars:  
**CITROEN/PEUGEOT, FIAT, IVECO and OPEL**

## DIESEL 1.5 / 1.9 / 2.2 / 2.5 dCi Belt

**Upgrade !**

**Art. 905 250 00**

**Models** Clio II&III, Modus, Megane(II), Scenic (II), Laguna (II), Espace, Kangoo, Trafic II, Master II (99- )

**DACIA:** Logan 1.5 dCi

**Types of engines** **1.5 dCi - K9K** 700/702/704/706/710/712/714/716/718/722/724/728/729/732/750/752/760/762/764/766/768/790/792

**1.9 dCi - F9Q** 650/664/670/674/680/690/718/732/733/740/748/751/752/754/758/760/762/772/774/790/800/803/804/808/812/820/826

**2.2 dCi - G9T** 600/605/642/700/702/703/706/707/710/720/722/742/743/750

**2.5 dCi - G9U** 630/720/724/726/730/750/754

**Weight** 2,00 kg

also for cars:  
**NISSAN and OPEL**



**Upgrade !**

+ Pin to fixing the injection pump (OEM - Mot 1538)

## DIESEL 1.9 D / TD

Set for setting the injection pump

**Art. 905 300 00**

**Models** **RENAULT:** Clio, R19, Megane, Expres, Laguna, Kangoo 1.9 D

**VOLVO:** 1.9 D / TD

**OPEL:** Movano 1.9 D / TD

**Types of engines** **RENAULT:** F8Q, F9Q  
**VOLVO:** 42T2  
**OPEL:** F8Q (97 - 03)

**Weight** 0,50 kg



**Additional equipment** Puller sprocket injection pump.

**+ Art. 905 350 00**

**Weight** 0,40 kg



## PETROL & DIESEL ROVER + MG

**Art. 904 010 60**

**Models  
i engines**

**Cars with petrol engines:**

**ROVER:** 200(-99), 400(-99), 600 (-90), 800 (-99), 25 (99-05), 45 (99-05), 75 (99-05), Streetwise (03-06)

**MG:** ZR (01-05), ZS (01-05), ZT/ZT-T(03-05), MGF(95-05), MGTF (02-05)

**Land Rover:** Freelander 1.8 16V

**Types of petrol engines:**

1.4 16V (K16) ,  
1.6 16V (16K16, D16A8, D16A9)  
1.8 16V (18K16, MPi VVC, F18A3),  
2.0 (F2021, F20Z2, 20HDM8, H23A3)

**NEW**

**Cars with Diesel engines:**

**ROVER:** Metro 114D, Metro 1,5D (-95), 218 D (91-95), 418 D (94-97), 220 D, 420D, 620D (95-99) 25, 45 (99-05), Streetwise (03-06), Montego 2.0 D/DT

**MG:** ZR, ZS (01-05), Express (03-05)

**Types of Diesel engines:**

1.4D (K9A TUD3), 1.5D (TUD5 V7J/VJY/VJZ), 1.8D (XUD7TE9A), 1.9D (XUD9A/D9B), 2.0 (20TZN, 20TZR, 20T), MDI 2.0 D/TD



**Weight** 1,00 kg

## PETROL 1.4 / 1.6 / 1.8 16V

**Art. 904 010 50**

**Models**

**ROVER:** 214, 215  
414 (90 - );  
416,  
75 **1.8** (99 - );  
25, 45 **1.6 - 1.8** (00 - )

**MGF:** (95- )

**POLONEZ:** 1.4 16v with engine Rover



**Weight** 25 g

## DIESEL 2.0 d timing chain

**Art. 903 200 00**

**Description**

Kit includes camshaft locking tool with handle, pin to block the flywheel and tensioners lockin pins.

**Models**

**ROVER:** 75 2.0 D;

**MG:** ZT (01-05)

**LAND ROVER:** Freelander TD 4 2.0 D (00 - 04).

**Types  
of engines**

**ROVER/MG:** M47R

**LAND ROVER:** TDH.

**also for cars:  
BMW, LAND ROVER and OPEL**

**Weight**

1,15 kg

**Additional  
equipment**

**+ Art. 903 280 00**

Puller the injection pump gear wheel



## PETROL 1.8 16V Belt

**Art. 904 010 01**

**Models** SAAB: 93 (03-)  
**Types of engines** Z18XE  
**Weight**

Also  
for cars  
OPEL



**Additional equipment**



**+ Art. 904 008 00**

Roll locking pin to tensioning the timing belt.



**+ Art. 904 012 00**

Flywheel holding tool.

## PETROL 2.5 V6 / 3.0 V6 Belt

**Art. 904 016 00**

**Models** SAAB: 900 (93-98), 9000 (95-97), 95 (98-03) 2.5, 3.0 V6  
**Types of engines** 2.5 V6 - B258i  
3.0 V6 - B308i/e  
**Weight** 1,80 kg

Also  
for cars  
OPEL



**Additional equipment**

Wrench to tensioning the belt timing (V6 engines)

**+ Art. 904 017 00**



## DIESEL 1.9 TiD Belt

**Art. 904 015 00**

**Models** SAAB: 93 (98-04), 95 (02-06)  
**Types of engines** Z19DT, Z19DTH  
**Weight** 0,80 kg

also for cars:  
ALFA ROMEO, FIAT, OPEL



## DIESEL 2.2 TiD Chain

**Art. 904 018 00**

**Models** SAAB: 93 (98-04) / 95 (02-06) 2.2 TiD  
**Types of engines** D223L  
**Weight** 2,10 kg

also  
for cars:  
OPEL



## PETROL 1.0/1.2 TWIN CAMS Chain

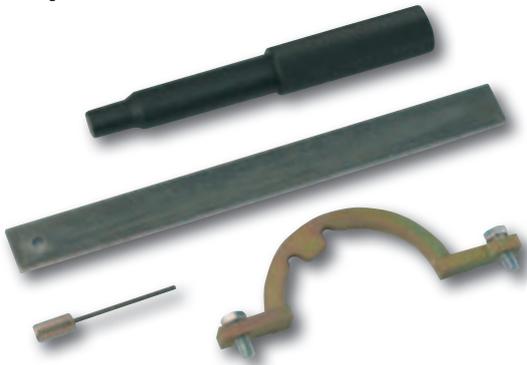
**Art. 904 010 35**

**Description** Kit includes the camshafts locking tools, the pin to block crankshaft, device for positioning the camshaft detector and the pin to locking chain tensioner.

**Models** SUZUKI: Wagon R+ (05-08) also for cars: OPEL

**Types of engines** Z10XEP, Z12XEP

**Weight** 0,80 kg



## DIESEL 1.3 DDiS Chain

**Art. 904 019 00**

**Models** SUZUKI: Swift (04-), Ignis (03-), Wagon R+ (03-08)

**Types of engines** Z13DT, Z13DTH.

also for cars: OPEL, FIAT and FORD

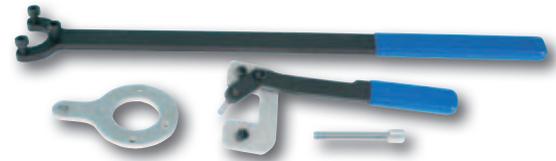
**Weight** 0,65 kg



**Additional equipment**

A set of additional tools for setting camshaft after removing the engine head and other major engine repairs.

**+ Art. 904 019 50**



**Weight** 1,70 kg

## DIESEL 1.9 D Belt

**Upgrade !**

**Art. 905 250 00**

**Models** SUZUKI: Grand Vitara (05-09)

**Types of engines** K9K, F9Q, G9T, G9, G9U.

also for cars: OPEL, RENAULT, NISSAN, DACIA

**Weight** 2,00 kg



**Upgrade !**

+ Pin to fixing the injection pump

## DIESEL 2.0D Turbo Belt

**Art. 905 800 00**

**Models** SUZUKI: Grand Vitara (00-06)

**Types of engines** RHW, RHZ

also for cars: CITROEN/PEUGEOT, FIAT, FORD and LANCIA

**Weight** 2,45 kg



**PETROL &**
**DIESEL**
**VW / AUDI / SEAT / SKODA**
**MASTER**
**Upgrade !**
**Art. 911 990 00**

**Models** VW, Audi, Seat, Skoda: All Models  
Ford Galaxy 1.9 TDI / 1.9 TDI PD

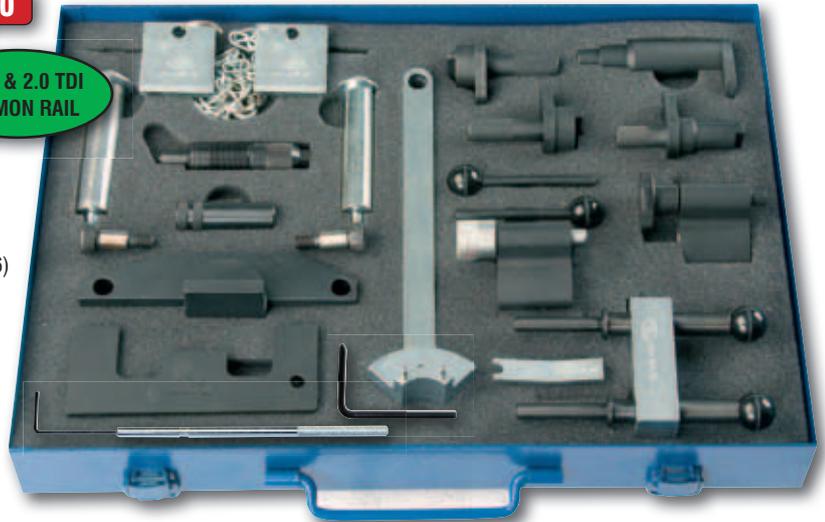
**Types of engines**  
**Petrol engines:**  
1.2 6V, 1.2 12V  
1.4/1.6 16V  
1.4/1.6 FSI (belt)

**Diesel engines:**  
1.2 TDI PD  
1.4 TDI PD  
1.7 SDI  
1.9 D/TD/SDI/TDI/TDI PD  
2.0 TDI PD + **Common Rail**  
2.5 V6 TDI / 3.3 V8 TDI (97-06)

**+ 1.6 & 2.0 TDI COMMON RAIL**

A detailed description of the use in the descriptions sets on pages 71 - 77

**Includes kits and tools:**
**Art. 911 023 00**
**Art. 904 010 34**
**Art. 911 021 00**
**Art. 911 022 00**
**Art. 911 400 00**
**Art. 911 500 00**
**Art. 915 500 00**
**Weight** 4,50 kg

**Upgrade !**


+ device to locking belt tensioner (OEM - T10265)  
+ pin to locking belt tensioner (OEM - 40098)

**PETROL 1.2 6v/12v Chain**
**Art. 911 500 00**

**Description** Set includes Interlocks the camshafts for engines 12V (2 pc); for engines 6V (1 pc) and the locking pin crankshaft.

**Models**  
**VW:** Polo, Fox, Eos  
**SEAT:** Ibiza, Cordoba  
**SKODA:** Fabia, Fabia II (HTP)

**Types of engines**  
**6V :** AWY, BBM, BMD (02-10)  
**12V:** AZQ, BME, BXV, BZG (02-10)

**Weight** 0,70 kg

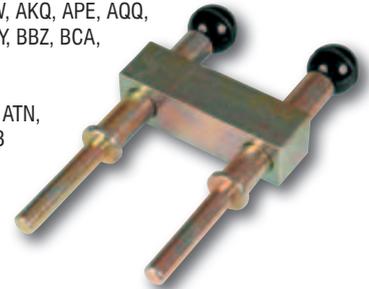
**PETROL 1.4/1.6 16v, 1.4/1.6 FSI (Belt)**
**Art. 911 021 00**

**Models**  
**VW:** Lupo, Polo, Polo Classic, Beetle, Golf, Beetle, Bora, Caddy (97-10)  
**AUDI:** A2 (00-06)  
**SEAT:** Arosa, Ibiza, Cordoba, Toledo, Leon, Inca (99-09)  
**SKODA:** Fabia, Fabia II, Octavia, Octavia II, Roomster (99-09)  
**1.4 16V -** AFK, AHW, AKQ, APE, AQQ, AUA, AUB, AXO, BBY, BBZ, BCA, BKY, BUD, BXW  
**1.4 FSI -** AAR  
**1.6 16V-** AJV, ARC, ATN, AUS, AVY, AZD, BCB  
**1.6 FSI -** BAD

**Types of engines**
**Weight** 0,50 kg

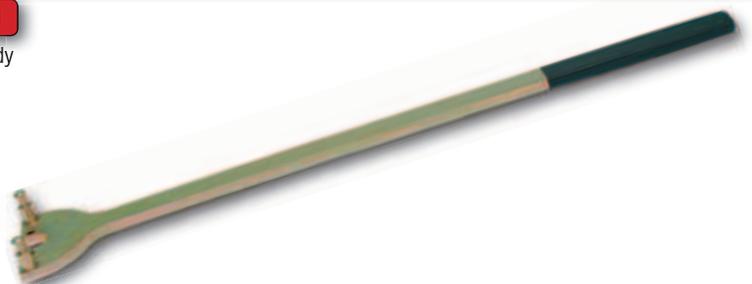
**Additional equipment**
**+ Art. 911 780 00**

Wrench to the crankshaft.


**PETROL 1.4/1.6 16V Wrench to the crankshaft**
**Art. 911 780 00**

**Models**  
**VW:** Lupo, Polo, Polo Classic, Golf, Golf Plus, Beetle, Bora, Caddy  
**AUDI:** A2  
**SKODA:** Fabia, Fabia II, Octavia, Octavia II, Roomster  
engines **1.4 16V, 1.6 16V (FSI)** with timing belt (97-10)

**Types of engines**  
AAR, AFK, AHW, AJV, AKQ, APE, AQQ, AUA, AUB, AXP, BAD, BBY, BBZ, BCA

**Weight** 2,00 kg


## PETROL 1.4TFSI+1.4/1.6FSI Chain

**Upgrade !**

**Art. 911 025 00**

**Models** **VOLKSWAGEN:** Polo, Golf, Golf Plus, Jetta, Eos, Scirocco, Tiguan, Touran, Passat (02-11)  
**AUDI:** A1, A3 (03-11)  
**SEAT:** Ibiza, Leon, Altea/XL (07-11)  
**SKODA:** Fabia II, Octavia II, Roomster, Suberb II (04-11)

**Types of engines**  
**1.4 FSI** - AXU, BKG, BLN  
**1.4 TFSI** - BLG, BMY, BWK, CAVA, CAVB, CAVC, CAVD, CAVE, CAXA, CAXC, CDGA  
**1.6 FSI** - BAG, BLF, BLP, BTS

**Weight** 0,90 kg

**NEW**



**Upgrade !**

+ retaining pin crankshaft (OEM - T10341)  
 + pins carrying turbocharger (OEM - T10340)

**Additional equipment**

**+ Art. 907 020 00**

Tool for setting the GMP.



Dial indicator  
 0-5mm  
 Graduation 0.01 mm

**+ Art. 911 090 00**



## PETROL 1.8/1.8T Belt

Holder to chain tensioner of camshaft in engine head

**Art. 911 029 00**

**Models** **AUDI:** A3, A4, A6, TT, S3;  
**SEAT:** Ibiza, Cordoba, Leon, Toledo, Alhambra;  
**SKODA:** Octavia, Superb;  
**VOLKSWAGEN:** Beetle, Golf, Bora, Passat, Sharan (98-09)

**Types of engines** AHA, AMB, AMU, APB, ART, ATC, ATQ, AWM, AWN, AWP, BBD, BCY, BEA, BEL, BFM, APH, ATQ, AUG, AWW, BKF, BNU, ADR, AEB, AFY, AGN, AGU, AJH, AJL, AJP, AJQ, AMB, AMK, ANB, APG, APP, APT, APU, APX, ARH, ARK, ARX, ARY, ARZ, AUG, AUM, AUQ, AVC, AWC, AWM, AWP, AWT, AWU, AWW, AYP, BAM.

**Weight** 85 g



**Additional equipment**

**+ Art. 911 023 30**

Sleeves for dismantling the front belt.



**PETROL & DIESEL**

## Wrench belt tensioner

**Art. 915 500 00**

**Description**

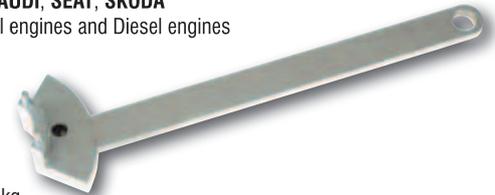
Wrench to tensioner roller the timing belt.  
 Construction of the wrench allows you to set the head at different angles to the handle.

**Models**

**VW, AUDI, SEAT, SKODA**  
 petrol engines and Diesel engines

**Weight**

0,25 kg



## PETROL 2.0 FSI / TFSI timing chain in the engine head

**Art. 911 027 00**

**Models** **VOLKSWAGEN:** Golf, Golf Plus, Jetta, Eos, Scirocco, Tiguan, Touran, Passat (03-11)  
**AUDI:** A3, A3, S3, A5, A6, TT (03-11)  
**SEAT:** Ibiza, Leon, Altea/XL, Exeo (04-11)  
**SKODA:** Fabia II, Octavia II, Roomster, Suberb II (04-11)

**Types of engines**  
**2.0 FSI** - AWA, AXW, BHD, BLR, BLX, BLY, BMB, BVX, BVY, BVZ  
**2.0 TFSI** - AXX, BGB, BHZ, BPG, BPJ, BPY, BUL, BWA, BWE, BWJ, BWT, BYD, BYK, BZC, CDLA, CDLB, CDLC, CDLD, CDMA

**Weight** 1,45 kg

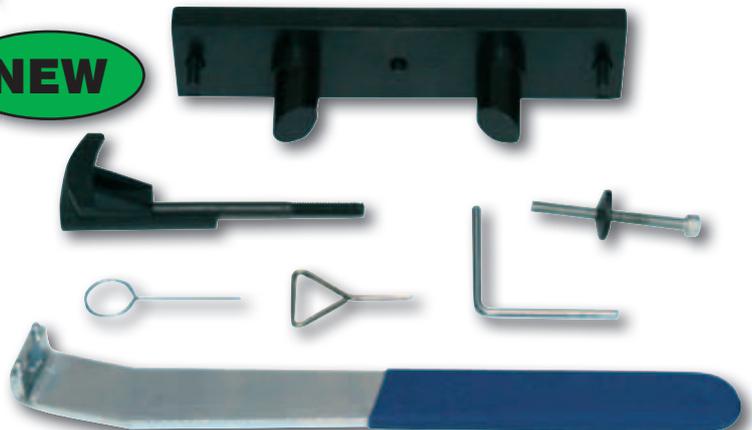
**NEW**

**Additional equipment**

Wrench to the dismantling of gears



**+ Art. 911 760 00**



## PETROL 2.3 / 2.8 Chain

**Art. 911 013 00**

**Models** VW: Golf / Bora, Jetta, GTI, Passat 2.3 / 2.8 (02-05);  
AUDI: A8 (05- ).

**Types of engines** AQN, AQP, AUE, BDF, BDP, BJS, BSB.

**Weight** 0,50 kg



## PETROL 3.0 V6 30V Belt

**Art. 911 012 00**

**Description** Set includes Interlocks the camshafts 2 pc and a pin to block the crankshaft.

**Models** AUDI: A4, A4 Cabrio, A6, A8 (00-06)

**Types of engines** AVK, ASN, BBJ

**Weight** 2,00 kg



**Additional equipment**



**+ Art. 911 012 50**

Auxiliary sleeve to control for position of camshaft .



**+ Art. 911 023 30**

Sleeves for dismantling the front belt.

## PETROL V8 3.6/4.2 Belt

**Art. 911 016 00**

**Models** AUDI: 100 / V8 (90-93), S6 (94-97)

**Types of engines** ABH, PT, AEC

**Weight** 1,30 kg



**Additional equipment**

**+ Art. 915 500 00**

Wrench to the timing belt tensioner.



## PETROL 2.3 / 2.8 / 2.9 Chain

**Art. 911 014 00**

**Models** VOLKSWAGEN: Golf, Bora, Vento, Corrado, Passat, Sharan, Transporter (91-05);  
Bettle (00-09)  
SEAT: Alhambra, Toledo 2.3 (99-05)

**FORD:** Galaxy 2.3 (95-00)

**Types of engines** AAA, ABV, AES, AGZ, AMY, AFP, AZX

**Weight** 0,30 kg



## PETROL V6 2.4, 3.2FSI+ 4.2/5.2FSI V8 Chain

**Art. 911 010 00**

**Models** VW: Jetta (05- )  
AUDI: A4, RS4, S5, A6/Allroad, A8, S8 R8, Q7 (05-)

**Types of engines** 2.4 V6 - BDW,  
3.2 V6 FSI - AUK, BGP, BGQ, BKH, BPK  
4.2 V8 FSI - BVJ, BNS, BYH, CAUA (+ pin 911 023 20)  
5.2 V10 FSI - BXA, BSM (+ pin 911 023 20)

**Weight** 1,00 kg



**Additional equipment**

Pin to locking crankshaft.  
applicable: 4.2 FSI/5.2 FSI  
also 3.0 V6 TDI

**+ Art. 911 023 20**



## PETROL V8 3.7/4.2 Belt

**Art. 911 015 00**

**Models** AUDI: A8 (94 - 02).

**Types of engines** ABZ, AEW, AHC.

**Weight** 1,40 kg



**Additional equipment**

**+ Art. 915 500 00**

Wrench to the timing belt tensioner.



## PETROL V6 / V8

Interlocks the camshafts

**Models** AUDI: 80, 100, A4, A6, A8  
**Types of engines** 2.6 ABC  
 2.8 AAH  
**Weight** 1,90 kg



**Art. 911 018 00**

**Models** AUDI: A4, RS4, S4, A6, Allroad, A8: 2.4, 2.7T, 2.8 (V6 30V) (94-05)  
 VW: Passat 2.8 30V (96-05)  
 SKODA: Suberb 2.8 30V (02-08) **Engines in the technique 5 valves / cylinder**  
**Types of engines** 2.4 - AGA, AJG, ALF, ALW, AML, AMM, APC, APS, APZ, ARJ, ARN, ARN, ASM, BDV  
 2.7T - AGB, AJK, ASJ, ARE, AZA, AZB, AZR, BES  
 2.8 - ACK, AGE, ALG, AMX, APR, AQD, ATX, BBG  
**Weight** 2,20 kg



**Art. 911 019 00**

**Models** AUDI: A6, S6, A8, S8, RS6 (98-09)  
 VOLKSWAGEN: Touareg, Phaeton (03-07)  
**Types of engines** 3.7 - AKC, AQG, BFL  
 4.2 - AKB, ANK, AQF, AQH, AQJ, ARS, ART, ARU, ASG, AUW, AUX, AYS, AWN, AWU, AVN, AXQ, BBD, BCY, BFM, BGH, BGJ, BHX, BRV  
**Weight** 2,00 kg



**Art. 911 017 00**

**Additional equipment** Pin to locking crankshaft  
 Applicable as above:  
 also 3.0 V6 TDI

**+ Art. 911 023 20**



**+ Art. 911 023 30**



Sleeves for dismantling the front belt.

## PETROL 4.2 V8 Chain

**Art. 911 009 00**

**Models** AUDI: S4 (04-08)  
**Types of engines** BBK  
**Weight** 1,2 kg

**NEW**



## DIESEL 1.7-1.9 D/TDI/SDI Belt

**Art. 911 022 00**

**Models** VW / AUDI / SEAT / SKODA (95 - 05);  
 FORD: Galaxy (97 - 00);  
 SKODA: Felicia / Pick-up D (95 - 01), Octavia SDI / TDI (96 - 06).  
**Types of engines** 1.9 D, 1.7/1.9 SDI, 1.9 SD, 1.9 TDI.

**Weight** 0,15 kg



**Additional equipment**

**+ Art. 911 030 01**

Pin to locking wheel  
 the injection pump drive VW.



**+ Art. 911 400 10**

Pin to wedge  
 fuel pump.



**+ Art. 915 500 00**

Wrench to the timing belt  
 tensioner



## DIESE 1.9 TDI / SDI Belt

**Art. 911 400 00**

**Models** VW: Polo / Classic, Golf / Bora, Beetle, Caddy (97-06)  
 Allows the exchange of camshaft without removing the valve cover.  
**Types of engines** ASY, AGP, AGR, AHF, ALH, AQM, ASV, AYQ  
 and other engines 4 cyl. SDI and TDI group VW/AUDI underpressure pump  
 on the camshaft.  
**Weight** 0,50 kg

**Additional equipment** **+ Art. 915 500 00**

Wrench to the timing belt tensioner



## DIESEL TDI 1.2 / 1.4 / 1.9 / 2.0 TDI PD + 1.6 / 2.0 TDI Common Rail

**Upgrade !** **Art. 904 010 34**

**Description** Set includes two types of crankshaft locking tools of different modules of the teeth. The set includes pins to block the camshafts and the timing belt tensioner handle.

**Models** **VW:** Lupo, Fox, Polo, Golf, Golf Plus, Bora, Jetta, Beetle, Scirocco, Passat, Sharan, Touran, Tiguan, Caddy, Transporetr (98-11)  
**AUDI:** A2, A3, A4, A5, A6, TT, Q5 (98-11)  
**SEAT:** Arosa, Ibiza, Cordoba, Altea/XL, Leon, Toledo, Alhambra (99-11)  
**SKODA:** Fabia (II), Roomster, Octavia (II), Suberb (II) (00-11)  
**FORD:** Galaxy (00-06)

**Types of engines** **1.2 TDI PD** - ANY, AYZ  
**1.4 TDI PD** - AMF, ATL, BAY, BHC, BNM, BNV  
**1.9 TDI PD** - AJM, AMG, ANJ, ARL, ARX, ASZ, ATD, ATJ, AUY, AVB, AVF, AVQ, AWX, AXB, AXC, AXR, BEW, BJB, BKC, BKE, BLS, BLT, BMT, BPX, BRB, BRM, BRU, BSU, BSV, BSW, BTB, BVK, BXE, BXF  
**2.0 TDI PD** - AZV, BKD, BDJ, BDK, BGW, BHW, BKP, BLB, BMA, BMM, BMN, BMP, BMR, BNA, BPW, BRC, BRE, BRF, BRT, BSS, BUY, BUZ, BVE, BVF, BVG, BVH, BWV

**COMMON RAIL**  
**1.6 TDI CR** - CAYA, CAYB, CAYC  
**2.0 TDI CR** - CAGA, CAGB, CAGC, CAHA, CAHB, CBAA, CBAB, CBAC, CBBA, CBDA, CBDB, CBDC, CBEA, CEGA

**Weight** 0,75 kg



**Upgrade !**  
+ device to locking belt tensioner (OEM - T10265)  
+ pin to locking belt tensioner (OEM - 40098)

**Additional equipment**

**+ Art. 915 500 00**

Wrench to the timing belt tensioner



## DIESEL 2.0 TDI PD

**Art. 904 010 37**

**Models + Types of engines** Lock position rollers compensatory (oil pump).  
2.0 TDI PD engines chain-driven oil pump.

**Weight** 0,10 kg

**NOWOŚĆ**



## Puller the timing belt sprockets

**Art. 911 600 00**

**Models** VW / AUDI and other

**Types of engines** AGK, ATA and other universal

**Weight** 0,90 kg



## DIESEL 2.5TDI V6 + V8 3.3TDI V8 Belt

**Art. 911 023 00**

**Models** **VW:** Passat TDi 2.5 V6 TDI (98-05)  
**AUDI:** A4, A6, A8, Allroad 2.5 V6 TDI (97-08), A8 3.3 V8 TDI  
**SKODA:** Superb 2.5 V6 TDI (02-08)

**Types of engines** AFB, AKN, AKE, AYM, BAU, BCZ, BDG, BDH, BFC

**Weight** 0,80 kg

**Description** **+ Art. 911 600 00**  
Puller the timing belt sprockets.



Pin to wedge fuel pump.

**+ Art. 911 400 10**



## DIESEL 2.7 TDI PD V6 + 3.0 TDI V6 + 4.0 TDI V8 Chain

**Art. 911 310 00**

**Models** AUDI: A4, A5, A6, A6 Allroad, A8, Q5, Q7 (03-11)  
VW: Touareg (05-10), Phaeton (08-10)

**Types of engines** 2.7 TDI V6 - BBP, BSG, CAMA, CAMB, CANA, CANC, CAND, CGKA, CGKB  
3.0 TDI V6 - ASB, BKN, BKS, BMK, BMZ, BNG, BUG, BUN, CAPA, CARA, CARB, CASA, CASB, CASC, CATA, CCMA, CCWA, CCWB, CDYA, CDYB, CDYC, CEXA  
4.0 TDI V8 - ASE

**Weight** 1,60 kg

**Additional equipment**

**+ Art. 911 612 00**

Puller to gearwheel belt camshaft three-leg



**NEW**

## DIESEL 2.5 TDI R5 Belt

**Art. 911 300 00**

**Description** Camshaft locking tool - allows the exchange of camshaft without dismantling the valve cover.

**Models** VW: LT, T4;  
AUDI: 100, A6

**Weight** 0,85 kg

**Additional equipment** See below

**+ Art. 911 450 00**

**+ Art. 911 460 00**



## Crankshaft wheel wrench TDI 5 cyl.

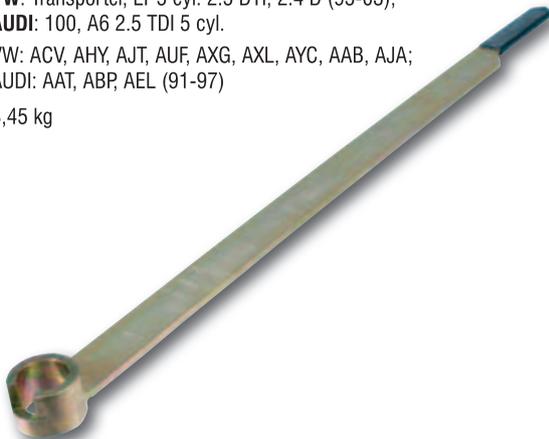
**Art. 911 450 00**

**Description** The wrench to lock and disassembly pulley crankshaft.

**Models** VW: Transporter, LT 5 cyl. 2.5 DTI, 2.4 D (95-03);  
AUDI: 100, A6 2.5 TDI 5 cyl.

**Types of engines** VW: ACV, AHY, AJT, AUF, AXG, AXL, AYC, AAB, AJA;  
AUDI: AAT, ABP, AEL (91-97)

**Weight** 3,45 kg



## DIESEL 2.4D / 2.5SDI/TDI Belt + 2.5 TDI Common Rail Belt

**Art. 911 470 00**

**Models** VW: Transporter, Crafter, LT, T4 engines 5-cylinders

**Types of engines** 2.4D - AAB, AJA  
2.5SDI - AGX  
2.5TDI - ACV, AHD, AHY, AJT, ANJ, APA, AUF, AXG, AXL, AYC, BBE, BBF  
2.5TDI Common Rail - BJJ, BJK, BJL, BJM

**NEW**



**Additional equipment**

See beside

**+ Art. 911 450 00**

## Wrench to the timing belt tensioner

**Art. 911 460 00**

**Models** VW: Transporter, LT 5cyl. 2.5 DTI, 2.4 D;  
AUDI: 100, A6 2.5 TDI 5 cyl.

**Weight** 0,10 kg



## DIESEL 2.5 TDI PD gear wheels

**Art. 911 350 00**

**Description**

Tool Kit includes:  
 - camshaft gear wheel locking tool  
 - gear wheel holder the camshaft  
 - device for locking the crankshaft  
 - device for locking the camshaft  
 - device for setting the crankshaft

**Models**

**VW:** Transporter T5, Tuareg

**Types of engines**

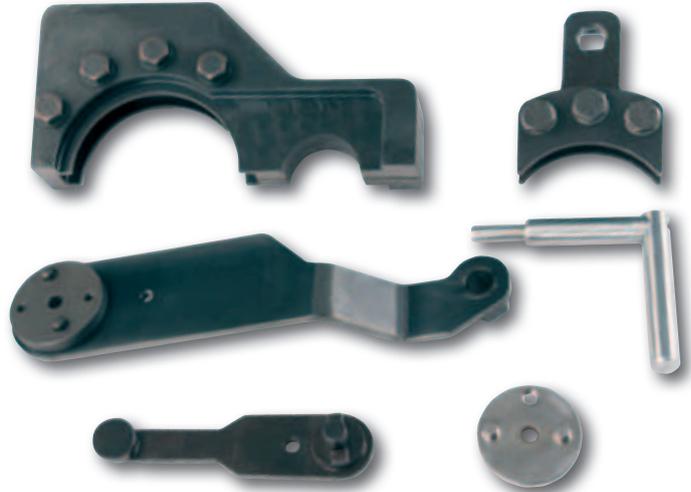
AXD, AXE, BAC, BLJ, BLK, BPD, BPC, BPE (2003-)

**Weight**

8,00 kg

**Additional equipment**

See below - 911 370 00 also 911 360 00



## DIESEL 4.9 (5.0) TDI PD gear wheels

Complement to the set 911 350 00

**Art. 911 370 00**

**Description**

Kit 911 370 00 is complementary to a set of 911 350 00  
 Extension kit for 4.9 TDI for engines (5.0 TDI), includes:  
 - device for to set camshaft (second)  
 - device for to set crankshaft

**Models**

**4.9TDI (5.0TDI) - AYH (03-)**

**Weight**

1,70 kg



## DIESEL 2,5 TDI PD water pump

**Art. 911 360 00**

**Description**

Device for dismantling water pump:  
 - gear wheel puller  
 - remover to pump

**Models**

See  
 Art. 911 350 00

**Weight**

0,85 kg



## DIESEL 2.8 TDI gear wheels

**Art. 911 380 00**

**Models**

**VW:** LT 2.8 TDI

Kit includes camshaft locking tool  
 and a special wrench to the crankshaft.

**Types of engines**

AGK, ATA (97-06)

**Weight**

1,90 kg



## DIESEL 1.2 / 1.4 TDI PD 3 cylinders

Art. 911 330 00

Slat for setting the united injector.  
Engines VW / Audi with unit injectors are with two types of magnetic solenoid valves for unit injectors. Construction of the device - **adjustment knob** - allows its use both in the older and new types of engines.

Models + Types of engines

Engines 3 cylinders TDI PD

**NEW**



## DIESEL 1.9 / 2.0 TDI PD 4 cylinders

Art. 911 340 00

Slat for setting the united injector.  
Engines VW / Audi with unit injectors are with two types of magnetic solenoid valves for unit injectors. Construction of the device - **adjustment knob** - allows its use both in the older and new types of engines.

Models + Types of engines

Engines 4 cylinders TDI PD

**NEW**



## PETROL 1.4/1.6 + DIESEL 1.9/2.0 SDI/TDI & Common Rail Device for the exchange of the shaft seal

Art. 911 320 00

Models + Types of engines

AUDI: A3, A4  
VW: Golf, Touran and

**NEW**

PETROL: 1.4 / 1.6 16V  
Diesel: 1.9/2.0 SDI/TDI + Common Rail



## Small Timing Wheel Puller

Art. 911 612 00

Description

Adjustable drawcord to dismantling the gears shafts timing, injection pumps, etc.  
Diameter - 90mm

**NEW**

Weight 0,30 kg



## Wheels puller crankshaft VW/Audi

Art. 911 615 00

Models

Puller for dismantling crankshaft belt pulleys.  
Engines 4 and 5 cylinders VW/Audi

**NEW**



## Wrench to dismantling of water pump pulley

Art. 911 900 00

Models

VW, AUDI

Weight 0,40 kg



Models

VW, AUDI  
with air conditioning

Weight

0,45 kg



## Wrenches to the ventilators

**Models** Wrenches to the viscous ventilator clutch.

**Typy**  
 Wrench 32mm - 918 011 00  
 Wrench 36mm - 918 012 00  
 Wrench with hook - 918 013 00

**Applicable** Audi, VW  
 Also: BMW, Land Rover, Ford and Opel



## Wrench to the alternator

**Applicable** A special wrench to alternator of the group car VW.  
 For BOSCH alternators.

**Weight** 0,17 kg

**Art. 911 620 00**



**Applicable** A special wrench to alternator of the group car VW.  
 For VALEO alternators.

**Art. 911 625 00**



**Weight** 0,17 kg

## Suspension VW group

**Art. 902 100 00**

**Models** The device for setting the camber angle.  
**VW:** Golf II, Golf III, Vento (92), Passat (88 - 96)  
 Corrado (90 - 96), Caddy, Polo (94);  
**AUDI;**  
**SEAT;**  
**SKODA.**



**Weight** 1,30 kg

## Front Bearing Puller (ABS)

**Art. 911 650 00**

**Description** Puller is used to disassembly the inner weighing pan in front bearing of the wheel hub.  
**For cars with system ABS**

**Models** VW: Golf IV;  
 AUDI: A3;  
 SEAT: Leon / Toledo.

**Weight** 1,30 kg



## Rear bearing puller

**Art. 911 670 00**

**Description** Puller is used to disassembly the inner bearing pan rear of the hub.

**Models** VW: Golf IV  
 AUDI: A3  
 SEAT: Leon/Toledo

**Weight** 0,80 kg



## Sleeve puller for ignition switch

**Art. 911 690 00**

**Description** Puller sleeve protective to ignition switch

**Models** VW;  
 AUDI;  
 SEAT.

**Weight** 0,85 kg



## PETROL 1.6/1.8/2.0 16V

**Art. 906 300 00**

**Models**  
**VOLVO:** S40/V50 (04-10)  
 C30 (06-10)  
 1.6 16V - B4164S3 (belt)  
 1.8 16V - B4184S11 (chain)  
 2.0 16V - B42043S (chain)

also for cars:  
**FORD and MAZDA**

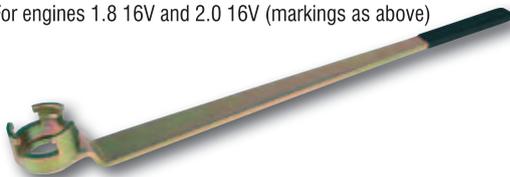


**Weight** 0,40 kg

**Additional equipment**

**+ Art. 906 400 00**

Wrench to lock the crankshaft pulley.  
 For engines 1.8 16V and 2.0 16V (markings as above)



## PETROL 2.5 TURBO Belt

**Art. 906 500 00**

A set of locking tools and camshaft of the regulatory devices for engines: Ford / Volvo 2.5 Turbo PETROL.

**Models** **Volvo** S40, S60, S80, V50, V70, C70, XC70, XC90  
**FORD:** Focus, Mondeo, S-Max 2.5 ST, Galaxy 2.5 ST  
**Types of engines** Engines 2.5 Turbo PETROL (EURO 4)  
 HUBA, HUWA, HYDA (2005-)  
**Weight** 3,70 kg



## PETROL 1.6/1.8/1.9/2.0/2.2/2.3/2.4/2.5 Belt

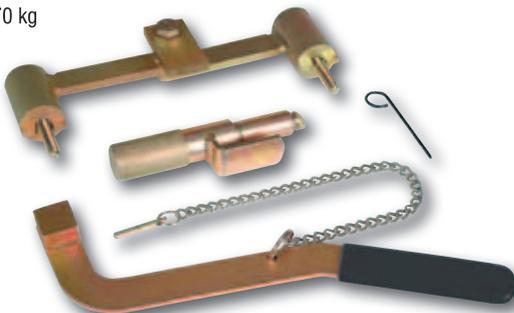
**Art. 905 200 00**

**Models**  
 850 (92-97) S60 (01-05)  
 C70 (98-02) S70 (97-00)  
 S40 (96-04) S80 (00-05)  
 V40 (96-04)

also for cars:  
**RENAULT**

**Types of engines**  
 B4164... B5234... B4184... B5244...  
 B4194... B5252... B4204... B5254... B5202...

**Weight** 1,70 kg



## PETROL & DIESEL Wrench to the crankshaft

**Art. 906 500 15**

Wrench to the crankshaft Volvo; petrol engines and Diesel'a

**Models**  
 S80 (98-06) S40/V40 (97-) S70 / V70 (97-07) V50 (04-)  
 XC70 (02-07) XC90 (06-) S60 (00-) C30 (09-)  
 C70 (98-)

**Types of engines**  
**Petrol engines:**  
 1.6 - B4164S 2.4 - B5244..  
 1.8 - B4184S 2.4T - B5244..  
 1.9T - B4194T 2.9 - B6294..  
 2.0 - B4204... 2.9T - B6294T  
 2.0T - B5204... 2.5T - B5254..  
 2.3 - B5234FS 2.8T6- B6284..  
 2.3T - B5234.. 2.9 - B6294..  
 2.9T - B6294T

**Diesel engines:**  
 2.4 - D5244..  
 2.4D5 - D5244..

**Weight** 0,60 kg



## DIESEL 1.6D / 2.0D Belt

**Art. 906 201 00**

**Models + Types of engines**  
**VOLVO:** silnik 1.6D D4164T  
 C30 (06-10)  
 S40 (04-10)  
 V50 (06-10)

also for cars:  
**CITROEN/PEUGET, FORD,  
 MAZDA and LAND ROVER**

**VOLVO** silnik 2.0D D4204T/D4204T2  
 C30 (06-09)  
 S40 (04-09)  
 V50 (04-09)  
 C70 (06-10)

**Weight** 0,80 kg





# SUBSTITUTION OF TOOL FACTORY DEFAULT

**Factory No.** - the number of original tools which can be found in the factory manuals, or in a book Autodata - Toothed Belts / Timing Chains

**HP the number** - the equivalent of the original tools from the production of HP

**HP set of number** - the set number that contains searches of the special tool

Factory No.	HP No.	HP set No.	page	Factory No.	HP No.	HP set No.	page	Factory No.	HP No.	HP set No.	page
<b>Alfa Romeo</b>				11.8.740	903 285 00	903 280 00	42	0132AB	905 700 05 D5	905 700 00	45
1.822.146.000	911 750 00 911 760 00	911 750 00 911 760 00	37	11.8.760	903 260 13	903 260 00	42	0132AJ1	905 600 04 T4	905 600 00 905 700 00 905 800 00 905 951 00	45
1.822.147.000	907 019 00	907 019 00	48	11.9.190	903 470 40	903 470 00	41				
1.822.149.000	907 030 10	907 030 10	49	11.9.232	903 475 20	903 475 00	39	0132AJ2	905 600 03 T3	905 600 00 905 951 00	45
1.822.154.000	907 030 20	907 030 20	49	11.9.270	903 461 20	903 460 00 903 460 01	39				
1.825.013.000	907 020 00	907 020 00	48	11.9.280	903 468 30	903 468 00	39	0132AK	905 400 07 U	905 420 00 905 600 00 905 800 00 905 951 00	44
1.825.040.000	907 009 00	907 009 00	47	11.9.291	903 461 60	903 460 00 903 460 01	39				
1.825.041.000	907 005 00	907 005 00	47	11.9.292	903 461 50	903 460 00 903 460 01	39	0132P	905 700 60 D6	905 700 00 905 951 00	45
1.825.042.000	907 002 00	907 002 00	47	11.9.300	903 462 32 +903 462 30	903 460 00 903 460 02	39	0132Q	905 600 08 W6	905 600 00 905 700 00 905 951 00	45
1.860.898.000	907 050 60	907 050 60	48	11.9.301	903 462 30	903 460 00 903 460 02	39	0132QZ	905 600 08 W6	905 600 00 905 700 00 905 951 00	45
1.860.905.000	907 050 10	907 050 10 904 015 00	51	11.9.302 +11.9.303	903 462 20	903 460 00 903 460 02	39	0132QY	905 430 01	906 430 00 905 951 00	45
1.870.684.000	922 159 00	922 159 00	21	11.9.320	903 462 50	903 460 00 903 460 02	39	0132R	905 600 06 T6	905 600 00 905 951 00	45
1.870.734.000	907 002 00	907 002 00	49	11.9.330	903 468 10	903 468 00	39	0132RZ	905 600 06 T6	905 600 00 905 951 00	45
1.870.797.000	907 003 00	907 003 00	49	11.9.340	903 461 30	903 460 00 903 460 01	39	0132X1Z	905 600 10 K8	905 600 00 905 700 00 905 951 00	45
1.870.849.000	907 014 00	907 014 00	49	11.9.350	903 461 40	903 460 00 903 460 01	39	0134Q	905 600 11 Z1	905 600 00 905 700 00 905 800 00 905 951 00	45
1.870.859.000	907 013 00	907 013 00	49	11.9.390	903 462 10	903 460 00 903 460 02	39	0153A	905 600 11 Z1	905 600 00 905 700 00 905 800 00 905 951 00	45
1.870.896.900	904 015 20	904 015 00	50	11.9.460	903 470 10+20+30	903 470 00	41	0153AA	905 600 06 T6	905 600 00 905 951 00	45
2000003000	907 050 10	907 050 10 904 015 00	51	11.9.461	903 470 10	903 470 00	41	0153AB	905 600 05 T5	905 600 00 905 951 00	45
2.0000.12000	904 013 10	904 013 00	49	11.9.462	903 470 20	903 470 00	41	0153AF	905 600 11 Z1	905 600 00 905 700 00 905 800 00 905 951 00	45
2.0000.12100	904 010 07	904 013 00	49	11.9.463	903 470 30	903 470 00	41	0153AK	905 400 07 U	905 420 00 905 600 00 905 800 00 905 951 00	44
2.0000.12800	904 013 20	904 013 00	49	13.5.120	903 310 00	903 300 00	42	0153AL	905 600 09 S3	905 600 00 905 951 00	45
<b>BMW</b>				13.5.190	903 280 00	903 280 00	42	0153G	905 600 04 T4	905 600 00 905 700 00 905 800 00 905 951 00	45
11.0.300	903 466 40	903 466 00	39	13.5.330		911 000 00	26	0153M	905 600 02 T2	905 600 00 905 951 00	45
11.2.300	903 150 00	903 100 00 903 200 00 903 300 00	40	<b>CHEVROLET / DAEWOO</b>				0153N	905 700 06 W8	905 700 00 905 800 00 905 951 00	45
11.2.441/445	903 400 00	903 400 00	41	EN-852	904 010 02	904 010 00	43	0153U	905 700 09 W7	905 700 00 905 951 00	45
11.2.442/446	903 400 00	903 400 00	41	EN-6333	906 200 70	904 013 00 904 900 00	43	0178A	905 600 04 T4	905 600 00 905 700 00 905 800 00 905 951 00	45
11.2.443/444	903 400 00	903 400 00	41	EN-6340	904 010 07	904 013 00 904 900 00	43	0178B	905 700 01 D1	905 700 00 905 951 00	45
11.3.190	903 120 00	903 100 00	40	EN-6625	904 013 20	904 013 00 904 900 00	43	0178C	905 700 02 D2	905 700 00 905 800 00 905 951 00	45
11.3.240	903 110 00	903 110 00 903 100 00	41	EN-42492	904 010 40	904 010 40	43	0178D	905 700 03 D3	905 700 00 905 951 00	45
11.3.290	903 180 00	903 100 00	41	EN-48245	904 021 10	904 021 00	43	0178E	905 700 50 N2	905 700 00 905 800 00 905 951 00	45
11.3.292	903 180 00	903 100 00	41	EN-48246	904 021 20	904 021 00	43	0178T	905 700 10 S1	905 700 00 905 951 00	45
11.3.320	903 130 00	903 100 00 903 300 00	41 42	J-424492	904 010 40	904 010 40	43				
11.3.340	903 240 00	903 100 00 903 200 00 903 300 00	40 41 42	KM-421A	904 010 40	904 010 40	43				
11.3.360	903 350 00	903 350 00	42	<b>CHRYSLER</b>							
11.3.390	903 170 00	903 100 00	40	Mot854	905 500 10	905 500 00	43				
11.3.450	903 455 30	903 455 00	40	Mot861	905 100 30 R2 =905 500 50 R5	905 100 00 905 250 00 905 500 00	43				
11.4.220	903 170 00	903 100 00	40	VM1011	911 000 00	911 000 00	43				
11.4.280	903 466 10	903 466 00	39	VM1013	911 000 00	911 000 00	43				
11.4.281	930 466 10	903 466 00	39	VM1051	904 200 04	904 200 00	43				
11.4.282	903 466 10	903 466 00	39	VM1052	904 200 03	904 200 00	43				
11.4.283	903 466 10	903 466 00	39	VM1053	904 200 02	904 200 00	43				
11.4.290	903 466 20	903 466 00	39	VM1056	904 200 05	904 200 00	43				
11.4.360	903 468 40	903 468 00	39	VM1068	904 200 01	904 200 00	43				
11.5.120	903 461 10	903 460 00 903 460 01 903 475 00	39	VM1080	904 200 07	904 200 00	43				
11.5.140	903 468 20	903 468 00	39	VM8873	904 200 06	904 200 00	43				
11.5.320	903 260 10	903 260 00	42	<b>CITROEN, PEUGEOT</b>							
11.5.490	903 140 00	903 100 00	40	0117AK/F	911 000 00	911 000 00	26				
11.6.150	903 455 10	903 455 00	40	0117AM	911 150 00	911 150 00	26				
11.6.180	903 455 20	903 455 00	40	0117AR	905 700 10 S1	905 700 00 905 951 00	45 44				
11.6.320	903 210 00 903 220 00	903 200 00	41	0132AA	911 750 00	911 750 00	37				
11.6.321	903 210 00	903 200 00	41								
11.6.322	903 220 00	903 200 00	41								
11.6.480	903 260 15	903 260 00	42								
11.7.250	903 475 20 +903 475 30	903 475 00	39								
11.7.251	903 475 20	903 475 00	39								
11.7.252	903 475 30	903 475 00	39								
11.7.260	903 475 10	903 475 00	39								
11.8.520/521	903 466 30	903 466 00	39								



# SUBSTITUTION OF TOOL FACTORY DEFAULT

Factory No.	HP No.	HP set No.	page
<b>CITROEN, PEUGEOT continuation</b>			
0178T	905 700 07 W8/2	905 700 00 905 800 00 905 800 00	45
0188-E	905 700 17 M8X80	905 800 00 905 951 00	45
0188-F	905 600 11 Z1	905 600 00 905 700 00 905 800 00 905 951 00	45
0188-H	905 700 02 D2	905 700 00 905 800 00 905 951 00	45
0188-J1	907 700 40 N1	905 800 00 905 951 00	45
0188-J2	905 700 50 N2	905 700 00 905 800 00 905 951 00	45
0188-K	905 400 07 U	905 420 00 905 600 00 905 800 00 905 951 00	44
0188-M	905 600 04 T4	905 600 00 905 700 00 905 800 00 905 951 00	45
0188-P	905 700 30 B1	905 800 00 905 951 00	45
0188-X	905 700 20 WS	905 800 00 905 951 00	45
0188-Y	905 700 06 W8	905 700 00 905 800 00 905 951 00	45
0189-A	905 400 01 P1 905 400 05 P2	905 420 00 905 951 00	44
0189-AZ	905 400 01 P1 905 400 05 P2	905 420 00 905 951 00	44
0189-B	905 400 04 P4	905 420 00 905 951 00	44
0189-C	905 400 06 P6	905 420 00 905 951 00	44
0189-J	905 400 03 P3	905 420 00 905 951 00	44
0189-K	905 400 07 U	905 420 00 905 600 00 905 800 00 905 951 00	44
0189-L	905 400 02 P2	905 420 00 905 951 00	44
0189-R	905 410 10 P9	905 420 00 905 951 00	44
0189-S1	905 410 30 P10	905 420 00 905 951 00	44
0189-S2	905 410 20 P11	905 420 00 905 951 00	44
0191/2.A	907 200 50	907 090 00 907 200 00 907 910 00	45
0191/2.B	907 200 60	907 090 00 907 200 00 907 910 00	45
0194-A	906 200 10 F6	905 800 00 905 951 00 906 201 00 906 601 00	45
0194-B	906 200 20 F7	905 800 00 905 951 00 906 201 00 906 601 00	45
0194-C	906 200 30 F8	905 800 00 905 951 00 906 201 00 906 601 00	45
0195-C	905 810 02	905 810 00	45
0195-H	905 810 01	905 810 00	45
0195-K	905 810 03	905 810 00	45
0197-A1	905 450 20	905 450 00	44
0197-A2	905 450 40	905 450 00	44
0197-A3	905 450 30	905 450 00	44
0197-B	905 450 10	905 450 00	44

Factory No.	HP No.	HP set No.	page
0606-A1/A2	905 425 00	905 425 00	44
4093-T	911 150 00	911 150 00	26
4093-TJ	911 150 00	911 150 00	26
4125-T	911 000 00 + 911 150 00	911 100 00 911 150 00	26
4200TH	905 600 09 S3	905 600 00 905 951 00	45
4507-TA	905 600 08 W6	905 600 00 905 700 00 905 951 00	45
4507-TB	905 600 01 T1	905 600 00 905 951 00	45
4507-TJ	905 600 10 K8	905 600 00 905 951 00	45
4507-TL	905 700 60 D6	905 700 00 905 951 00	45
4527-TS1	905 700 04 D4	905 700 00 905 951 00	45
4527-TS2	905 700 05 D5	905 700 00 905 951 00	45
4533-TAC1	905 600 04 T4	905 600 00 905 700 00 905 800 00 905 951 00	45
4533-TAC2	905 600 03 T3	905 600 00 905 951 00	45
4533-TAD	905 400 07 U	905 420 00 905 600 00 905 800 00 905 951 00	45
5711-TA	905 600 04 T4	905 600 00 905 700 00 905 800 00 905 951 00	45
5711-TB	905 700 01 D1	905 700 00 905 951 00	45
5711-TC	905 700 02 D2	905 700 00 905 800 00 905 951 00	45
5711-TD	905 700 03 D3	905 700 00 905 951 00	45
5711-TE	905 700 50 N2	905 700 00 905 800 00 905 951 00	45
6012-T	905 190 00	905 600 00 905 700 00 905 951 00	45
6016-T	911 750 00	911 750 00	37
7004-TG	905 600 06 T6	905 600 00 905 951 00	45
7010-T	911 000 00	911 000 00	26
7014-TJ	905 700 06 W8	905 700 00 905 800 00 905 951 00	45
7014-TM	905 600 02 T2	905 600 00 905 951 00	45
7014-TN	905 600 04 T4	905 600 00 905 700 00 905 800 00 905 951 00	45
7017-TR	905 700 07 W8/2	905 700 00 905 800 00 905 951 00	45
7017-TU	905 600 07 T7	905 600 00 905 951 00	45
7018-TY	905 600 06 T6	905 600 00 905 951 00	45
7019-T	905 700 09 W7	905 700 00 905 951 00	45
7044-T	905 600 11 Z1	905 600 00 905 700 00 905 800 00 905 951 00	45
9004-T	905 600 11 Z1	905 600 00 905 700 00 905 800 00 905 951 00	45
9022-TM	905 190 00	905 600 00 905 700 00 905 951 00	45

Factory No.	HP No.	HP set No.	page
9041-TZ	905 600 05 T5	905 600 00 905 951 00	45
9044-T	905 600 11 Z1	905 600 00 905 700 00 905 800 00 905 951 00	45
9765.54	905 190 00	905 600 00 905 700 00 905 951 00	45
9766.98	905 600 04 T4	905 600 00 905 700 00 905 800 00 905 951 00	45
9767.27	905 600 08 W6	905 600 00 905 700 00 905 951 00	45
9767.34	905 700 06 W8	905 700 00 905 800 00 905 951 00	45
9767.89	905 600 10 K8	905 600 00 905 951 00	45
9767.94	905 600 02 T2	905 600 00 905 951 00	45
D86	905 190 00	905 600 00 905 700 00 905 951 00	45
M8 Bolts	905 700 14 M8x40 (3 szt)	905 700 00 905 951 00	45
1860617000	905 700 04 D4	905 700 00 905 951 00	45
1860638000	907 180 10	907 180 00 905 951 00	45
<b>Fiat</b>			
1852161000	907 019 00	907 019 00	48
1860161000	905 190 00	905 190 00	48
1860617000	907 200 40	907 200 00	51
1860638000	907 180 10	907 180 00 907 910 00 905 951 00	51
1860680000	907 015 70	907 015 70	48
1860703000	905 190 00	905 190 00	48
1860766000	907 050 70	907 050 70	50
1860771000	907 015 70	907 015 70	48
1860815000	907 200 94	907 200 00	51
1860831000	911 750 00 911 760 00	911 750 00 911 760 00	37
1860831001	911 750 00 911 760 00	911 750 00 911 760 00	37
1860845000	907 030 10	907 030 10	49
1860846000	907 200 30	907 200 00	51
1860847000	907 007 00	907 007 00	47
1860848000	911 750 00 911 760 00	911 750 00 911 760 00	37
1860874000	907 015 10 +90701520	907 015 00	48
1860875000	907 004 00	907 004 00	47
1860876000	907 015 56	907 015 00	48
1860885000	911 750 00 911 760 00	911 750 00 911 760 00	37
1860892000	907 006 00	907 006 00	47
1860895000	907 020 00	907 020 00	48
1860898000	907 050 60	907 050 60	49
1860899000	907 001 00	907 070 00	48
1860901000	907 070 10	907 070 00	48
1860905000	907 050 10	907 050 10	51
1860985000	907 060 20	907 060 00	48
1860987000	907 060 30	907 060 00	48
1860992000	907 060 10	907 060 00	48
1865090000	-	911 000 00	26
1865091000	911 150 00	911 150 00	26
1870684000	922 159 00	922 159 00	21
1870823000	907 150 00	907 150 00	49
1870896900	904 015 20	904 015 00	50
1870900300	904 019 80	904 019 50	50
1870900400	904 019 70	904 019 50	50
1871000200	904 019 60	904 019 50	50
1871000900	904 019 20	904 019 00	50



# SUBSTITUTION OF TOOL FACTORY DEFAULT

Factory No.	HP No.	HP set No.	page
<b>Fiat continuation</b>			
1895879000	907 020 00	907 020 00	48
2000009000	904 014 50	904 014 00	48
2000003000	907 050 10	907 050 10	50
2000004200	907 140 00	907 100 00	48
2000004300	907 120 00	907 100 00	48
2000004500	907 110 00	907 100 00	48
2000012000	904 013 10	904 013 00 904 900 00	48
2000012100	904 010 07	904 013 00 904 900 00	48
2000012800	904 013 20	904 013 00 904 900 00	48
2000015800	907 060 40	907 060 00	47
2000017300	907 200 14	907 200 00	50
2000018400	907 200 10	907 200 00	50
2000018700	907 200 80	907 200 00	50
2000019200	907 200 20	907 200 00	50
2000022500	906 200 30 F8	906 201 00 905 800 00 905 951 00	50
2000023000	906 200 10 F6	906 201 00 905 800 00 905 951 00	50
2000023100	906 200 10 F6	906 201 00 905 800 00 905 951 00	50
2000023200	906 200 20 F7	906 201 00 905 800 00 905 951 00	50
2190754200	907 140 00	907 100 00	48
2190754400	907 130 00	907 100 00	48
2190754500	907 110 00	907 100 00 907 060 00	48
2192044500	907 110 00	907 100 00 907 060 00	48
99360614	907 200 60	907 200 00 907 090 00	50
99360615	907 200 50	907 200 00 907 090 00	50
<b>FORD</b>			
15-030	911 750 00 911 760 00	911 750 00 911 760 00	37
15-030A	906 350 20	906 350 00	52
21-104	906 100 10F1	906 100 00 906 601 00	54
21-105	911 022 00	911 022 00 911 000 00 911 990 00	54
21-123	906 160 00F11	906 100 00 906 601 00	54
21-162(B)	906 120 00	906 100 00 906 601 00	54
21-163	906 100 40F4	906 300 00 906 601 00	52
21-168	906 180 01 +906 180 02	906 100 00 906 201 00 906 601 00	54
21-203	911 014 00	911 014 00	53
21-210	906 100 30F3	906 300 00 906 601 00	52
21-214	906 350 30	906 350 00	52
21-215	906 35010 + 906 350 20	906 350 00	52
21-229	906 130 00	906 100 00 906 601 00	54
21-234	906 200 40	906 201 00 906 601 00	54
21-238	906 250 10	906 250 00	54
21-240-(01)	906 250 20 +906 250 30	906 250 00	54
21-251	906 200 50F10	906 201 00	54
21-259	906 300 30FN	906 300 00	52
21-260	906 200 10F6	906 201 00 905 800 00 905 951 00	54

Factory No.	HP No.	HP set No.	page
21-262	906 200 30F8	906 201 00 905 800 00 905 951 00	54
21-263	906 200 20F7	906 201 00 905 800 00 905 951 00	54
23-018	911 000 00	911 000 00	26
23-019	906 100 20F2	906 100 00	54
23-020	906 170 00F12	906 100 00	54
23-028	911 150 00	911 150 00	26
23-029	906 100 50F5	906 100 00	54
23-047	911 030 01	911 000 00 911 990 00	26
23-058	904 010 32	904 010 34 911 990 00	54
23-059	904 010 31	904 010 34 911 990 00	54
205-072	911 750 00 911 760 00	911 750 00 911 760 00	37
303-098	911 750 00 911 760 00	911 750 00 911 760 00	37
303-193	906 100 10F1	906 100 00	54
303-194	911 022 00	911 022 00 911 000 00 911 990 00	54
303-367	906 120 00	906 100 00 906 601 00	54
303-376	906 120 00	906 100 00 906 601 00	54
303-393	906 180 00	906 100 00 906 601 00	54
303-393-01	906 180 06	906 201 00 906 601 00	54
303-393-02	906 180 05	906 310 00 906 601 00	52
303-510	906 350 30	906 350 00	52
303-511	906 350 10 +906 350 20	906 350 00	52
303-507	906 100 30F3	906 300 00 906 601 00	52
303-620	906 100 40F4	906 300 00 906 201 00	52
303-651	906 130 00	906 100 00 906 601 00	52
303-675	906 200 40	906 201 00 906 601 00	54
303-676	906 210 00	906 210 00	54
303-679	906 250 10	906 250 00	54
303-681(01)	906 250 20 +906 250 30	906 250 00	54
303-698	906 200 50F10	906 201 00 906 601 00	54
303-732	906 200 10F6	906 201 00 906 601 00 905 800 00 905 951 00	54
303-734	906 200 30F8	906 201 00 905 800 00 905 951 00	54
303-735	906 200 20F7	906 201 00 905 800 00 905 951 00	54
303-748	906 300 30FN	906 300 00	52
303-1053	915 500 00	915 500 00 911 990 00	54
303-1054	906 200 70	906 201 00 906 601 00	54
303-1059	906 200 42	906 201 00 906 601 00	54
303-1179	906 500 10	906 500 00	53
303-1097	906 320 00	906 320 00	53
303-1468	904 019 80	904 019 50	53
303-1469	904 019 60	904 019 50	53
303-1472	904 019 20	904 019 00 904 900 00 907 910 00	53
303-1477	907 140 00	907 100 00	53
303-1478	907 120 00	907 100 00	53
303-1479	907 130 00	907 100 00	53
303-1480	907 110 00	907 100 00	53
310-017	911 000 00	911 000 00	26
310-018	906 100 20F2	906 100 00	54
310-019	906 170 00F12	906 100 00	54
310-033	906 100 50F5	906 100 00	54

Factory No.	HP No.	HP set No.	page
310-055	911 030 01	911 000 00 911 990 00	26
310-084	904 010 32	904 010 34 911 990 00	54
310-085	904 010 31	904 010 34 911 990 00	54
T74P-6256-B	911 750 00 911 760 00	911 750 00 911 760 00	37
<b>HONDA</b>			
07LAG-PT20100	904 050 03	904 051 00	55
07MAB-PY3010A	904 055 00	904 055 00	55
07JAB-0010400	904 055 00	904 055 00	55
07744-0010400	904 050 02	904 051 00	55
14540-P13-003 +14540-P8A-A01	904 050 01	904 051 00	55
18G 1521	911 760 00	911 760 00	37
18G 1523	904 010 61	904 051 00	55
18G 1717	904 010 62	904 051 00	55
18G 1719	904 010 63	904 051 00 904 010 60 904 010 70	55
<b>HYUNDAI</b>			
09244-28000	904 045 01	904 045 00	55
09244-28100	904 045 10	904 045 00	55
<b>IVECO</b>			
99360614	907 200 60	907 200 00 907 090 00	56
99360615	907 200 50	907 200 00 907 090 00	56
1860815000	907 200 94	907 200 00	56
1860617000	907 200 40 905 700 04	907 200 00 907 180 00 907 910 00 905 951 00	56
1860846000	907 200 30	907 200 00	56
2000016500	907 200 90	907 200 00	56
2000016700	907 200 96	907 200 00	56
2000016900	907 200 70	907 200 00	56
2000017000	907 200 75	907 200 00	56
2000017100	907 200 95	907 200 00	56
2000017300	907 200 14	907 200 00	56
2000018400	907 200 10	907 200 00	56
2000018700	907 200 80	907 200 00	56
2000019200	907 200 20	907 200 00	56
<b>JAGUAR</b>			
303-1116	904 010 75	904 010 70	56
303-1117	904 010 72	904 010 70	56
303-1126	905 810 01	904 010 70 905 810 00	56
303-1132	904 010 71	904 010 70	56
<b>LANCIA</b>			
1860771000	907 015 70	907 015 70	48
1860819000	907 011 00	907 011 00	47
1860831000	911 750 00 911 760 00	911 750 00 911 760 00	37
1860845000	907 030 10	907 030 10	49
1860847000	907 007 00	907 007 00	47
1860874000	907 01510 +907 015 20	907 015 00	48
1860875000	907 004 00	907 004 00	47
1860876000	907 015 56	907 015 00	48
1860885000	911 760 00	911 760 00	37
1860895000	907 020 00	907 020 00	48
1860898000	907 050 60	907 050 60	49
1860899000	907 001 00	907 070 00	48
1860901000	907 070 10	907 070 00	48
1860905000	907 050 10	907 050 10 904 015 00	49
1860961000	907 008 00	907 008 00	47
1860985000	907 060 20	907 060 00	48
1860987000	907 060 30	907 060 00	48
1860992000	907 060 10	907 060 00	48
1870697000	907 012 00	907 012 00	47
1870900300	904 019 80	904 019 50	50
1870986900	904 015 20	904 015 00	50
1871000200	904 019 60	904 019 50	50
1871000900	904 019 20	904 019 00	50
2000004500	907 110 00	907 100 00 907 060 00	49
2000015800	907 060 40	907 060 00	48



# SUBSTITUTION OF TOOL FACTORY DEFAULT

Factory No.	HP No.	HP set No.	page
<b>LAND ROVER</b>			
303-1116	904 010 75	904 010 70	57
303-1117	904 010 72	904 010 70	57
303-1126	905 810 01	904 010 70 905 810 00	57
303-1132	904 010 71	904 010 70	57
303-1270	906 200 42	906 201 00 906 601 00	57
303-1272	906 180 01 + 906 180 06	906 201 00 906 601 00	57
303-1277	906 200 20	906 201 00 906 601 00	57
LRT-12-058	904 010 61	904 010 70 904 010 60	57
LRT-12-060	904 010 50	904 010 50 904 010 60	57
LRT-12-108	903 150 00	903 100 00 903 300 00 903 200 00	57
LRT-12-112	903 130 00	903 100 00 903 300 00	57
LRT-12-114	903 310 00	903 100 00 903 200 00 903 300 00	57
LRT-12-115	903 350 00	903 350 00	57
LRT-12-119	903 310 00	903 300 00	57
LRT-12-132	911 760 00	911 760 00	37
LRT-12-134	904 010 50	904 010 50 904 010 60	57
LRT-12-141	904 010 62	904 010 60 904 010 70	57
LRT-12-143	904 010 63	904 010 60 904 010 70	57
LRT-12-158	904 010 79	904 010 70	57
LRT-12-172	903 310 00	903 100 00 903 200 00 903 300 00	57
LRT-12-173	903 210 00	903 200 00	57
LRT-12-174	903 220 00	903 200 00	57
LRT-12-178	903 280 00	903 280 00	57
<b>MAZDA</b>			
49 G032 354	911 750 00	911 750 00	58
49 JE01 050	906 100 10 F1	906 100 00 906 601 00	58
49 JE01 054	906 120 00	906 100 00 906 601 00	58
49 JE01 061	906 100 30 F3	906 300 00 906 601 00	58
49 JE01 063	906 170 00 F12	906 100 00 906 601 00	58
49 JE01 602	906 350 10 +906 350 20	906 350 00	58
49 JE01 062	906 350 30	906 350 00	58
49 JE02 018	906 200 10 F6	906 201 00 906 601 00 905 800 00 905 951 00	58
49 JE02 020	906 200 30 F8	906 201 00 906 601 00 905 800 00 905 951 00	58
49 JE02 021	906 200 20 F7	906 201 00 905 800 00 905 951 00	58
49 JE02 061	906 300 30 FN	906 300 00	58
49 UN20 5072	906 400 00	906 400 00	58
49 B011 105	906 400 00	906 400 00	58
499 140 074	911 000 00	911 000 00	26
<b>MINI</b>			
00.2.271	905 460 10	905 460 00	58
00.2.272	905 460 20	905 460 00	58
11.0.300	906 200 20	905 460 00 906 201 00	58
11.4.360	903 468 40	903 468 00	58
11.5.140	903 468 20	903 468 00	58
11.9.330	903 468 10	903 468 00	58
11.9.540	905 450 20 + 30	905 450 00	58
11.9.550	950 450 20 + 40	905 450 00	58
11.9.590	905 450 10	905 450 00	58
11.9.790	906 200 10	905 460 00 906 201 00	58

Factory No.	HP No.	HP set No.	page
<b>MITSUBISHI</b>			
MB995207	915 500 00	915 500 00 911 990 00	59
MB995208	911 027 35	911 027 00	72
MB995209	904 010 31	904 010 34 911 990 00	59
MB996036	905 300 20	905 300 00	59
MB996037	905 300 10	905 300 00	59
MB996043	905 500 10	905 500 00	59
MD998384	911 000 00	911 000 00	26
MD995206	911 400 10	904 010 34 911 990 00	59
<b>NISSAN</b>			
KV109B0080	905 600 10 K8	905 600 00 905 951 00	60
KV109B0110	905 700 04 D4	905 700 00 905 951 00	60
KV109B0111	905 700 05 D5	905 700 00 905 951 00	60
KV109B0112	905 600 08 W6	905 600 00 905 700 00 905 951 00	60
KV112293352	911 000 00	911 000 00	26
KV113B0130	905 100 20 R1	905 100 00 905 250 00	60
KV113B0110 + Mot1054	905 100 30 R2	905 100 00 905 250 00 905 500 00	60
Mot1135-01	905 500 20	905 500 00	60
Mot1386	905 530 00	905 530 00	60
Mot1430	905 100 30 R2 = 905 500 50 R5	905 100 00 905 250 00 905 500 00	60
Mot1489	905 100 20 R1	905 100 00 905 250 00	60
Mot1490-01	905 130 00	905 130 00	60
Mot1496	905 100 10	905 100 00	60
Mot1534	905 250 60	905 250 00	60
Mot1536	905 250 10 R7	905 250 00	60
Mot1537	905 250 70	905 250 00	60
Mot1543	905 250 50 + (-30) + (-40) + (-42) + (-43)	905 250 00	60
Mot1766	905 280 20	905 280 00 905 281 00	60
Mot1769	905 280 10	905 280 00 905 281 00	60
Mot1770	905 281 20	905 281 00	60
Mot1773	905 281 30	905 281 00	60
<b>OPEL</b>			
EN46781	904 019 20	904 019 00	63
EN46785	904 019 10	904 019 00	63
EN46788	904 015 30	904 015 00	63
EN46789	904 015 20	904 015 00	63
EN48245	904 021 10	904 021 00	63
EN48246	904 021 20	904 021 00	63
EN48330	905 280 20	905 280 00 905 281 00	64
EN48331	905 281 30	905 281 00	64
EN48332	905 280 10	905 280 00 905 281 00	64
EN48334	905 281 20	905 281 00	64
KM-136	911 000 00	911 000 00	26
KM-226A	911 000 00	911 000 00	26
KM-421A	904 010 40	904 010 40	63
KM-509A	904 010 46	904 010 46	63
KM-571B	911 090 00	911 000 00	26
KM-652	904 011 00	904 011 00	62
KM-661-1	911 028 00	911 028 00	63
KM-798	911 000 00	911 000 00	26
KM-800	904 016 00	904 016 00	63
KM-800-1	904 010 04	904 010 00 904 016 00	62
KM-800-2	904 010 03	904 010 00 904 016 00	62
KM-800-10	904 016 20	904 016 00	63
KM-800-20	904 016 10	904 016 00	63
KM-800-30	904 016 08	904 016 00	63
KM-811	903 130 00	903 300 00 903 100 00	64
KM-813	903 150 00	903 300 00 903 100 00 903 200 00	64

Factory No.	HP No.	HP set No.	page
KM-822	903 350 00	903 350 00	64
KM-823	903 310 00	903 300 00 903 200 00 903 100 00	64
KM-825	903 310 00	903 300 00	64
KM-851	911 024 00	911 024 00	63
KM-852	904 010 02	904 010 00	62
KM-853	904 010 01	904 010 00	62
KM-911	904 012 00	904 012 00	62
KM-927	904 018 50	904 018 00	64
KM-929	904 018 40	904 018 00	64
KM-932	904 018 10	904 018 00	64
KM-933	904 018 20 +904 018 30	904 018 00	64
KM-951	911 026 00	911 026 00	63
KM-952	904 010 356	904 010 35	61
KM-953	904 010 354	904 010 35	61
KM-954	904 010 350	904 010 35	61
KM-955	904 010 358	904 010 35	61
KM-966	905 500 30 R3 + 905 500 40 R4	905 500 00	66
KM-2024	918 012 00	918 012 00	38
KM-4028-1	911 000 00	911 000 00	26
KM-4029-1	911 000 00	911 000 00	26
KM-6031	905 100 30 R2 = 905 500 50 R5	905 100 00 905 250 00 905 500 00	62
KM-6032	905 500 10	905 500 00	66
KM-6033	911 150 00	911 150 00	26
KM-6034	905 300 20	905 300 00	67
KM-6035	905 300 10	905 300 00	67
KM-6036	905 350 00	905 350 00	67
KM-6077	906 200 70	904 014 00	62
KM-6130	904 008 00	904 008 00 904 900 00	62
KM-6148	904 014 50	904 014 00	62
KM-6163	911 000 00	911 000 00	26
KM-6203	905 250 10 R7	905 250 00	64
KM-6204	905 250 70	905 250 00	64
KM-6205	905 250 60	905 250 00	64
KM-6233	905 100 10	905 100 00	62
KM-6234	905 250 50 + (-30) + (-40) + (-42) + (-43)	905 250 00	64
KM-6244	905 140 00	905 140 00 905 000 00	65
KM-6245	911 750 00	911 750 00	37
KM-6267	903 210 00	903 200 00	64
KM-6270	903 280 00	903 280 00	64
KM-6333	906 200 70	904 013 00 904 900 00	61
KM-6340	904 010 07	904 013 00 904 900 00	61
KM-6625	904 013 20	904 013 00 904 900 00	61
KM-6628	904 013 10	904 013 00 904 900 00	61
MKM-6038	904 017 00	904 017 00	63
M8 Bolts	905 700 14 M8x40 (3 szt)	905 700 00 905 951 00	45
<b>RENAULT</b>			
Mot582	905 190 00	905 190 00 905 951 00	66
Mot582-01	905 150 00	905 150 00	66
Mot799-01	911 750 00	911 750 00	37
Mot854	905 500 10	905 500 00	66
Mot856	911 000 00	911 000 00	26
Mot856-01	911 000 00	911 000 00	26
Mot861	905 100 30 R2 = 905 500 50 R5	905 100 00 905 250 00 905 500 00	65
Mot910	905 500 30 R3 + 905 500 40 R4	905 500 00	66
Mot910/1	905 500 30 R3	905 500 00	66
Mot910/2	905 500 40 R4	905 500 00	66
Mot996-01	905 500 10	905 500 00	66
Mot1054	905 100 30 R2 = 905 500 50 R5	905 100 00 905 250 00 905 500 00	65
Mot1079	911 150 00	911 150 00	26
Mot1131	905 500 10	905 500 00	66
Mot1135-01	905 500 20	905 500 00	66
Mot1198	905 500 10	905 500 00	66
Mot1200	905 500 10	905 500 00	66



# SUBSTITUTION OF TOOL FACTORY DEFAULT

Factory No. HP No. HP set No. page

**RENAULT continuation**

Mot1311-04	-	922 000 00	19
Mot1311-05	-	922 000 00	29
Mot1316	905 170 00	905 170 00	66
Mot1317	905 500 10	905 500 00	66
Mot1318	905 500 60 R6	905 500 00	66
Mot1337	905 200 10	905 200 00	66
Mot1340	905 200 20	905 200 00	66
Mot1348	905 200 30	905 200 00	66
Mot1357	905 350 00	905 350 00	67
Mot1358	905 300 10	905 300 00	67
Mot1359	905 300 20	905 300 00	67
Mot 1368	905 120 00	905 120 00 905 000 00	65
Mot1386	905 530 00	905 530 00	66
Mot1430	905 100 30 R2 = 905 500 50 R5	905 100 00 905 250 00 905 500 00	65
Mot1489	905 100 20 R1	905 100 00 905 250 00	65
Mot1490-01	905 130 00	905 130 00	65
Mot1496	905 100 10	905 100 00	65
Mot 1509	905 140 00	905 140 00 905 000 00	65
Mot 1509-01	905 140 00	905 140 00 905 000 00	65
Mot1526	905 110 10	905 110 00	66
Mot1534	905 250 60	905 250 00	67
Mot1536	905 250 10 R7	905 250 00	67
Mot1537	905 250 70	905 250 00	67
Mot1538	905 250 80	905 250 00	67
Mot1543	905 250 50 + (-30)+ (-40) + (-42)+ (-43)	905 250 00	67
Mot1705	905 250 50 + (-30)+ (-40) + (-42)+ (-43)	905 250 00	67
Mot1750	905 100 15	905 100 00 905 000 00	65
Mot1766	905 280 20	905 280 00 905 281 00	67
Mot1769	905 280 10	905 280 00 905 281 00	67
Mot1770	905 281 20	905 281 00	67
Mot1773	905 281 30	905 281 00	67
Mot1801	905 140 00	905 140 00 905 000 00	65

**ROVER**

11-171	903 150 00	903 200 00 903 300 00 903 100 00	68
12-172	903 310 00	903 200 00 903 300 00 903 100 00	68
12-173	903 210 00	903 200 00	68
12-174	903 220 00	903 200 00	68
12-178	903 280 00	903 280 00	68
12-184	904 010 68	904 010 60	68
18G 1376	911 000 00	911 000 00	26
18G 1521	911 760 00	911 760 00	37
18G 1522	904 010 61	904 010 60	68
18G 1549	904 010 67	904 010 60	68
18G 1552	911 000 00	911 000 00	26
18G 1570	904 010 50	904 010 50 904 010 60	68
18G 1580	904 050 02	904 010 60 904 051 00	68
18G 1632	905 700 06 W8	904 010 60 905 700 00 905 800 00 905 951 00	68
18G 1671	904 050 04	904 010 60 904 051 00	68
18G 1717	904 010 62	904 010 60 904 051 00	68

Factory No. HP No. HP set No. page

18G 1719	904 010 63	904 010 60 904 051 00 904 010 70	68
4507-TA	905 600 08 W6	904 010 60 905 600 00 905 700 00 905 951 00	68
4507-TJ	905 600 10 K8	904 010 60 905 600 00 905 951 00	68
4507-TL	905 700 60 D6	905 700 00 905 951 00	45
RV.4093T	911 150 00	911 150 00	26

**SAAB**

32 025 008	904 015 20	904 015 00	69
32 025 009	904 015 30	904 015 00	69
83 94 983	904 017 00	904 017 00	69
83 95 006	904 016 00	904 016 00	69
83 95 337	904 018 50	904 018 00	69
83 95 352	904 018 40	904 018 00	69
83 95 386	904 018 10	904 018 00	69
83 95 394	904 018 20 +904 018 30	904 018 00	69
87 92 335	904 015 12	904 015 00	69
KM-800-1	904 010 04	904 010 00 904 016 00	69
KM-800-2	904 010 03	904 010 00 904 016 00	69
KM-800-10	904 016 20	904 016 00	69
KM-800-20	904 016 10	904 016 00	69
KM-800-30	904 016 08	904 016 00	69

**SUZUKI**

09910-26530	905 700 06 W8	905 700 00 905 800 00 905 951 00	70
09910-26540	905 600 04 T4	905 600 00 905 700 00 905 800 00 905 951 00	70
09912-38300	904 019 00	904 019 00 904 900 00 907 910 00	70
09912-38310	904 010 356	904 010 35 904 900 00	70
09912-46310	904 019 00	904 019 00 904 900 00 907 910 00	70
09912-46510	905 100 30 R2 = 905 500 50 R5	905 100 00 905 250 00 905 500 00	70
09912-57810	911 000 00	911 000 00	26
09917-68610	904 019 20	904 019 00 904 900 00	70
09919-08310	904 010 350	904 010 35 904 900 00	70
09919-56550	905 700 50 N2	905 700 00 905 800 00 905 951 00	70
09919-58310	904 010 354	904 010 35 904 900 00	70
09919-58320	904 010 358	904 010 35	70
09919-76530	905 250 50+ (-30)+ (-40)+ (-42)+ (-43)	905 250 00	70
09944-36011	905 700 30 B1	905 800 00 905 951 00	70
OUT0000141	905 700 50 N2	905 700 00 905 800 00 905 951 00	70
OUT0000151	905 600 04 T4	905 600 00 905 700 00 905 800 00 905 951 00	70
OUT0000160	905 700 06 W8	905 700 00 905 800 00 905 951 00	70

Factory No. HP No. HP set No. page

**VW, AUDI, SEAT, SKODA**

MP-1-300	911 022 00	911 022 00 911 000 00 911 990 00	74
MP-1-301	911 400 10	904 010 34 911 400 00 911 990 00	75
MP-1-302	915 500 00	915 500 00 911 990 00	72
MP-1-312	911 400 01	911 400 00 911 990 00	74
T10008	904 010 32	904 010 34 911 990 00	75
T10016	911 021 00	911 021 00 911 990 00	71
T10020	915 500 00	915 500 00 911 990 00	72
T10025	911 450 00	911 450 00	75
T10050	904 010 31	904 010 34 911 990 00	75
T10060(A)	911 400 25	911 027 00 904 010 34 v2011	72
T10068	911 013 00	911 013 00	73
T10074	911 021 00 pins	911 021 00 911 900 00	71
T10092	911 029 10	911 029 00	72
T10098	911 400 01	911 400 00 911 990 00	74
T10100	904 010 33	904 010 34	75
T10115	911 027 35	911 027 00	72
T10120	911 500 20	911 500 00 911 990 00	71
T10121	911 500 30	911 500 00 911 990 00	71
T10123	911 500 10	911 500 00 911 990 00	71
T10134	911 320 00	911 320 00	78
T10170	907 020 00	907 020 00	72
T10171	911 025 00	911 025 00	72
T10172	911 760 00	911 760 00	37
T10193	911 350 30	911 350 00	77
T10194	911 370 20	911 370 00	77
T10195	911 370 10	911 370 00	77
T10199	911 350 20	911 350 00	77
T10199/1	911 350 10	911 350 10	77
T10221	911 360 10	911 360 00	77
T10222A	911 360 20	911 360 00	77
T10225	911 350 60	911 350 00	77
T10226	911 350 40	911 350 00	77
T10234	911 350 50	911 350 00	77
T10255	904 010 37	904 010 37	75
T10265	911 400 20	904 010 34 v 2011	75
T10340	911 025 17	911 025 00	72
T10341	911 025 18	911 025 00	72
T20038	911 400 01	911 400 00 911 990 00	74
T20044	911 029 20	911 029 00	72
T20046	906 200 70	911 029 00	72
T20102	911 400 10	904 010 34 911 400 00 911 990 00	75
T20167	911 400 25	904 010 34 v 2011 911 027 00	75
T30004	911 780 00	911 780 00	71
T30052	911 023 20	911 023 00 911 990 00	75
T30065	911 019 00	911 019 00	74
T30094	911 023 10	911 023 00 911 990 00	75
T40001	911 600 00	911 600 00	75
T40011	906 200 70	911 025 00 906 201 00	72

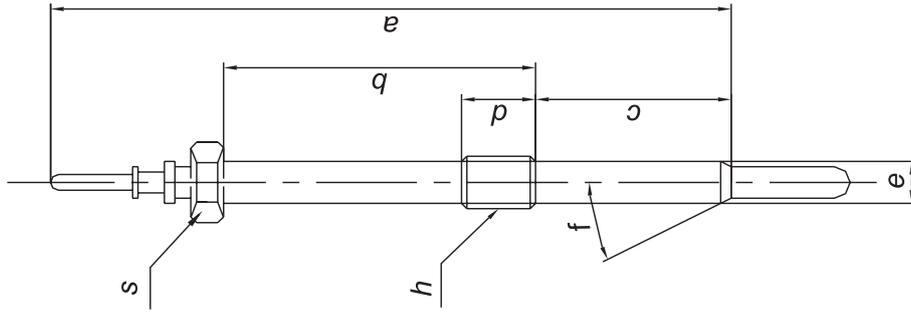


# SUBSTITUTION OF TOOL FACTORY DEFAULT

Factory No.	HP No.	HP set No.	page
<b>VW, AUDI, SEAT, SKODA continuation</b>			
T40005	911 017 00	911 017 00	74
T40026	911 012 70	911 012 00	73
T40028	911 012 50	911 012 50	73
T40030	911 012 30	911 023 00	75
T40046	911 009 20	911 009 00	74
T40047	911 009 10	911 009 00	74
T40049	911 310 30	911 310 00	76
T40058	911 310 40	911 310 00	76
T40060	911 310 50	911 310 00	76
T40061	911 310 10	911 310 00	76
T40062	911 310 20	911 310 00	76
T40069	911 010 15	911 010 00	73
T40070	911 010 00	911 010 00	73
T50009	911 470 10	911 470 00	76
U-20003	911 030 01	911 000 00 911 990 00	26 71
U-20006	911 022 00	911 022 00 911 000 00 911 990 00	74 26 71
U-30009	915 500 00	915 500 00 911 990 00	72 71
U-30009A	915 500 00	915 500 00 911 990 00	72 71
U-40021	911 022 00	911 022 00 911 000 00 911 990 00	74 26 71
U-40074	911 400 10	904 010 34 911 400 00 911 990 00	75
V159	915 500 00	915 500 00 911 990 00	72 71
VAG2064	911 030 01	911 000 00 911 990 00	26 71
VAG2065A	911 022 00	911 000 00 911 990 00	26 71
VAG2066	911 000 00	911 000 00	26
VAG3071	911 000 00	911 000 00	26
VAG3199	911 016 00	911 016 00	73
VAG3242	911 023 20	911 023 00 911 990 00	75
VAG3243	911 018 00	911 018 00	74
VAG3248 (A)	911 450 00	911 450 00	76
VAG3268	911 014 00	911 014 00	73
VAG3313	911 000 00	911 000 00	26
VAG3341	911 015 00	911 015 00	73
VAG3355	911 460 00	911 460 00	76
VAG3359	911 400 10	904 010 34 911 400 00 911 990 00	75
VAG3366	911 029 20	911 029 00	72
VAG3369	911 023 30	911 023 00 911 990 00	75
VAG3387	911 015 00	911 015 00	73
VAG3391	911 019 00	911 019 00	74
VAG3415	911 780 00	911 780 00	71
VAG3418	911 022 00	911 022 00 911 000 00 911 990 00	74
VAG3445	911 380 20	911 380 00	77
VAG3447	911 380 10	911 380 00	77
VAG3458	911 023 10	911 023 00 911 990 00	75
M5X55	911 029 10	911 029 00	72
303-1054	911 027 35	911 027 00	72
<b>Volvo</b>			
999-5190	911 022 00	911 022 00 911 000 00 911 990 00	74 26 71
999-5193	911 030 01	911 000 00 911 990 00	26 71
999-5194-9	911 000 00	911 000 00	26
999-5199	911 750 00	911 750 00	37
999-5382	911 150 00	911 150 00	26
999-5433	905 600 15	906 500 15 906 500 00	80
999-5451	905 200 20	905 200 00	80
999-5452	905 200 10	905 200 00	80
999-5555	905 500 10	905 500 00	
999-5611	905 300 20	905 300 00	67
999-5612	905 300 10	905 300 00	67
999-5648	911 000 00	911 000 00	26

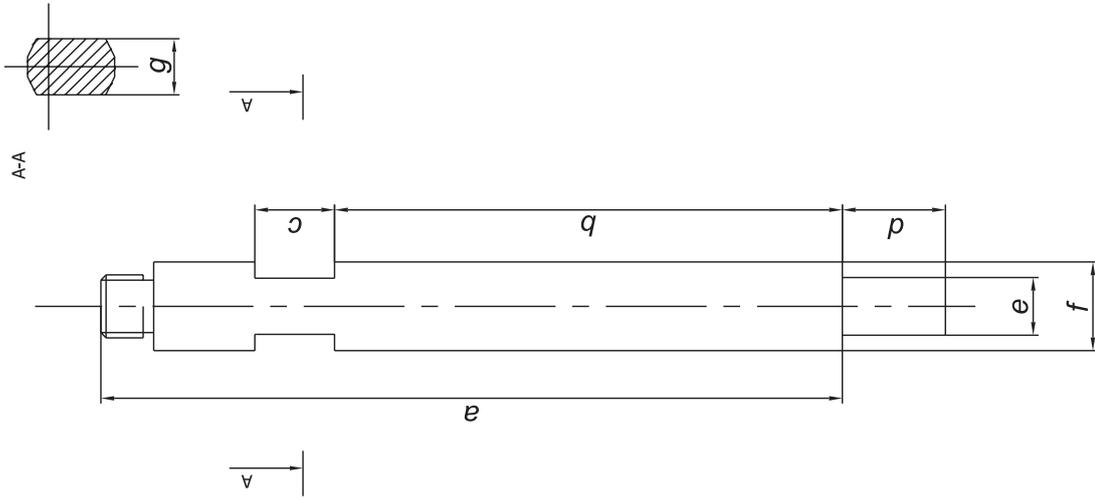
Factory No.	HP No.	HP set No.	page
999-5649	911 460 00	911 460 00	76
999-7119	906 180 01 + 906 180 06	906 201 00 906 601 00	80
999-7121	906 200 10 F6	906 201 00 905 800 00 905 951 00	80
999-7122	906 200 20 F7	906 201 00 905 800 00 905 951 00	80
999-7169	906 200 30 F8	906 201 00 905 800 00 905 951 00	80
999-7151	906 120 00	906 300 00 906 601 00	80
999-7152	906 100 30 F3	906 300 00 906 601 00	80
999-7201	906 300 30 FN	906 300 00 906 601 00	80
999-7233	906 200 10	906 201 00 906 601 00	80
999-7802	905 350 00	905 350 00	67

Glow plug



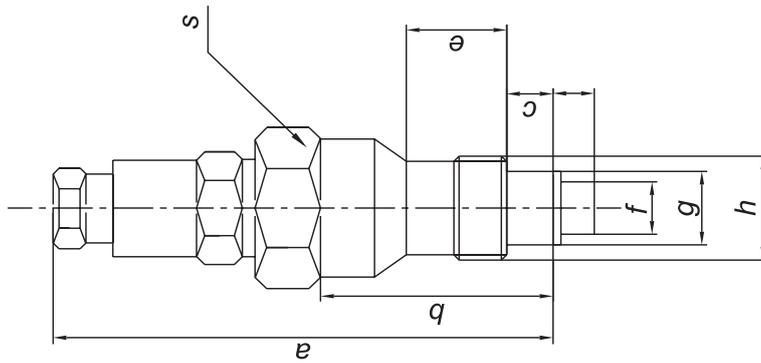
- $a$  - .....
- $b$  - .....
- $c$  - .....
- $d$  - .....
- $e$  -  $\emptyset$  .....
- $f$  - .....
- $h$  - Thread.....
- $s$  - .....

Dummy adapter yoke



- $a$  - .....
- $b$  - .....
- $c$  - .....
- $d$  - .....
- $e$  -  $\emptyset$  .....
- $f$  -  $\emptyset$  .....
- $g$  - .....

Dummy adapter thread



- $a$  - .....
- $b$  - .....
- $c$  - .....
- $d$  - .....
- $e$  - .....
- $f$  -  $\emptyset$  .....
- $g$  -  $\emptyset$  .....
- $h$  - Thread.....
- $s$  - .....

