



# Atak

## Yakıt Sistemleri



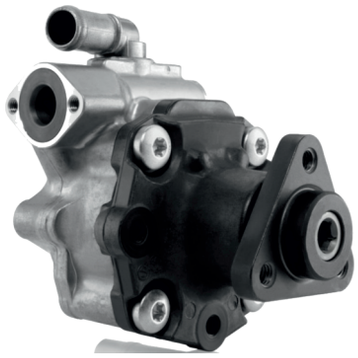

ATAK pays a big importance to its relation with customers, qualified service and modern management techniques. We continue providing you the best service with professional staff, increased range of products, strong capital and distributing network.

ATAK has gained its customers' appreciation and faith by coming the long way in a short time. Accordingly, on the basis of its principles ATAK keeps increasing its range of products and continues taking firm steps forward. Our company that has a wide customer portfolio both nationally and abroad will continue breaking the new grounds in the sector by preparing customer orders accurately and tightly adhering to unconditional customer satisfaction principle.

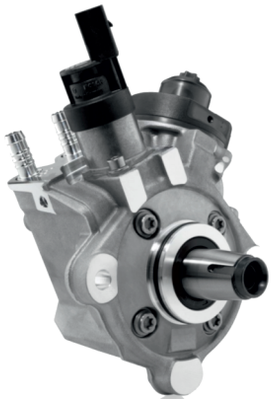


BOSCH Delphi Technologies DENSO SIEMENS VDO

Stanadyne Perkins SCANIA DAF CAT Cummins VOLVO







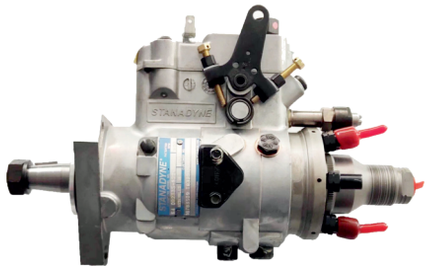












BOSCH Delphi Technologies DENSO SIEMENS VDO

Stanadyne Perkins SCANIA DAF CAT Cummins VOLVO



BOSCH Delphi Technologies DENSO SIEMENS VDO

Stanadyne Perkins SCANIA DAF CAT Cummins VOLVO

























BOSCH Delphi Technologies DENSO SIEMENS VDO

Stanadyne Perkins SCANIA DAF CAT Cummins VOLVO













| | | |
|---|---|---|
| | 0445110097 | |
| | 0445110115 | |
| F00VC01033 | 0445110091 | O35 |
| | 0445110279 | |
| | 0445110283 | |
| F00VC01053 | | |
| | | |
| F00VC01038 | 0445110083 | O48 |
| F00VC01044 | 0445110101 | |
| | 0445110064 | |
| | 0445110290 | |
| F00VC01043 | 0445110048 | O54 |
| F00VC01046 | 0445110119 | |
| F00VC01045 | 0445110095 | O56 |
| | 0445110099 | |
| | 0445110103 | |
| | 0445110107 | |
| | 0445110120 | |
| | 0445110151 | |
| | 0445110170 | |
| F00VC01051 | 0445110181 | |
| | 0445110189 | |
| | 0445110199 | |
| | 0445110201 | |
| | 0445110190 | |
| | 0445110207 | |
| F00VC01310 | 0445110122 | 301 |
| | 0445110080 | |
| | 0445110131 | |
| F00VC01328 | 0445110139 | |
| | 0445110155 | |
| | 0445110176 | |
| | 0445110191 | |
| | 0445110263 | |
| F00VC01313 | 0445110118 | 321 |
| | 0445110174 | |
| F00VC01315 | 0445110136 | 316 |
| | 0445110188 | |
| | 0445110239 | |
| | 0445110259 | |
| F00VC01320 | 0445110159 | 324 |
| F00VC01331 | 0445110209 | 334 |
| | 0445110216 | |
| | 0445110219 | |
| F00VC01334 | 0445110183 | |
| | 0445110260 | |













| | | |
|---|---|---|
| F00RJ01005 | 0445120002 | 321 |
| F00RJ01420 | 0445120011 | O10 |
| F00RJ01159 | | 1862 |
| | | R1157 |
| | | |
| F00RJ01428 | | N331 |
| | | |
| | | |
| F00RJ01865 | | R1864 |
| | | |
| | | |
| F00RJ01941 | 0445120037 | W2307 |
| | 0445120070 | |
| | 0445120112 | |
| | 0445120115 | |
| | 0445120120 | |
| | 0445120121 | |
| | 0445120122 | |
| | 0445120125 | |
| | 0445120140 | |
| | 0445120144 | |
| F00RJ02466 | | O851 |
| | | R1157 |
| | | |
| F00VC01001 | 0445110011 | O56 |
| | 0445110014 | |
| | 0445110024 | |
| | 0445110034 | |
| | 0445110069 | |
| | 0445110071 | |
| | 0445110072 | |
| | 0445110073 | |
| | 0445110093 | |
| F00VC01024 | 0445110089 | |
| | 0445110322 | |
| F00VC01005 | 0445110146 | O35 |
| F00VC01015 | 0445110059 | O14 |
| F00VC01022 | 0445110087 | O48 |
| | 0445110102 | |
| | 0445110141 | |
| F00VC01338 | 0445110248 | 334 |
| | 0445110273 | |
| F00VC01346 | 0445110253 | |
| | 0445110254 | |
| | 0445110257 | |
| | 0445110269 | |



| | | |
|---|---|---|
| | 0445110270 | 334 |
| F00VC01352 | 0445110274 | 332 |
| | 0445110275 | |
| | 0445110277 | |
| | 0445110278 | |
| F00VC01376 | 0445110376 | |

## O48 VALVE CAP USED FOR :

Fiat - 1.3 JTD/16V (Doblo, Idea, Panda Van, Punto)
Lancia - 1.3 D Multijet (Musa, Ypsilon)
Opel - 1.3 CDTI/16V (Agila, Combo, Corsa, Meriva, Tigra)
Vauxhall - 1.3 CDTI/16V (Combo, Corsa, Corsa Van, Tigra)

## 334 VALVE CAP USED FOR :

Fiat - 1.3 JTD (Doblo, Panda Van)
Fiat - 1.3 D Multijet (Doblo Cargo, Fiorino Qubo, Fiorino Box, Grande Punto, Idea, Linea, Strada, 500)
Lancia - 1.3 D Multijet (Musa, Ypsilon)
Opel - 1.3 CDTI (Astra H, Astra H GTC, Astra H Estate, Corsa D, Meriva)
Vauxhall - 1.3 CDTI (Astra MK V, Corsa MKIII, Meriva)

## O43 VALVE CAP USED FOR :

Nissan - DCI 100 (Interstar Bus, Box) DCI120 (Interstar Bus, Box, Flatbed)
Opel - 2.5 DTI (Movano Box, Combi, Flatbed, Dumptruck) 2.5 CDTI (Flatbed, Dumptruck)
Renault - 2.5 DCI (Master Bus, Box, Flatbed)
Vauxhall - 2.5 DTI (Movano Combi, Van, Chasis) 2.5 CDTI (Movano Combi, Van, Chasis)

## 297 VALVE CAP USED FOR :

Renault Premium 370 4X2

## 831 VALVE CAP USED FOR :

Ford Cargo 2524

## 158 VALVE CAP USED FOR :

MAN TGA / D2066 LF (03/13/33)

334 can be used instead of 332 and 339
336 can be used instead of 321 or 292
O43 can be used instead of O48
035 can be used instead of O37
R297 can be used instead of O10
R831 can be used instead of O10

## NUMBERS AVAILABLE :

334 - 316 - 037 - 301 - 048 - 014 - 054 - 336 - 008 - 314 - 324
332 - 043 - 050 - 056 - 011 - 035 - 010 - 297 - 066 - 319 - 046



## Unit Injector Valve
**(Suitable for Bosch PDE)**

*ATAK* **Code: RB 0408**

**SIZES**

| | | |
|---|---|---|
| 6,995mm | 7,025mm | 7,055mm |
| 7,000mm | 7,030mm | 7,060mm |
| 7,005mm | 7,035mm | 7,065mm |
| 7,010mm | 7,040mm | 7,070mm |
| 7,015mm | 7,045mm | 7,075mm |
| 7,020mm | 7,050mm | 7,080mm |



## Unit Pump Valve
**(Suitable for Bosch PLD)**

*ATAK* **Code: RB 0409**

**SIZES**

Triggering oversize: +0,025 / + 0,050

| | | |
|---|---|---|
| 6,995mm | 7,025mm | 7,055mm |
| 7,000mm | 7,030mm | 7,060mm |
| 7,005mm | 7,035mm | 7,065mm |
| 7,010mm | 7,040mm | 7,070mm |
| 7,015mm | 7,045mm | 7,075mm |
| 7,020mm | 7,050mm | 7,080mm |

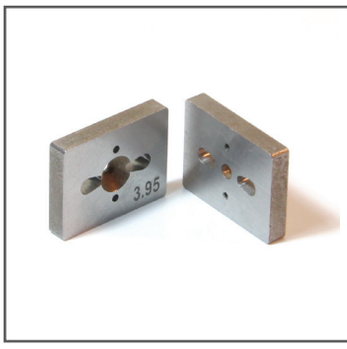


## Unit Pump Valve
**(Suitable for Renault Magnum PLD)**

*ATAK* **Code: RB 0410**

**SIZES**

| | | |
|---|---|---|
| 6,995mm | 7,025mm | 7,055mm |
| 7,000mm | 7,030mm | 7,060mm |
| 7,005mm | 7,035mm | 7,065mm |
| 7,010mm | 7,040mm | 7,070mm |
| 7,015mm | 7,045mm | 7,075mm |
| 7,020mm | 7,050mm | 7,080mm |




## Register Plate
**(Suitable for Bosch PLD / PDE)**

*ATAK* **Code: RB 0450**

**SIZES**

| | | |
|---|---|---|
| 3,80mm | 3,87mm | 3,94mm |
| 3,81mm | 3,88mm | 3,95mm |
| 3,82mm | 3,89mm | 3,96mm |
| 3,83mm | 3,90mm | 3,97mm |
| 3,84mm | 3,91mm | 3,98mm |
| 3,85mm | 3,92mm | 3,99mm |
| 3,86mm | 3,93mm | |



## Unit Injector Tappet
**(Suitable for Bosch PDE)**

*ATAK* **Code: RB 0460**

**SIZES**

14,74mm 14,78mm

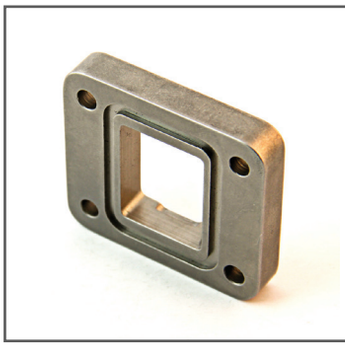


## Unit Pump Tappet
**(Suitable for Bosch PLD)**

*ATAK* **Code: RB 0470**

**SIZES**

16,84mm - 16,88mm

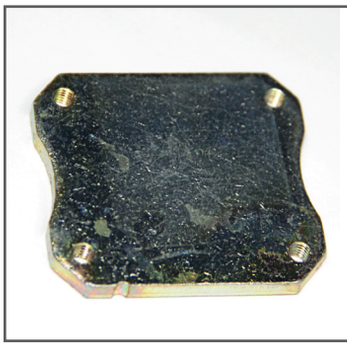


## Unit Pump Chrome Plate
**(Suitable for Bosch PLD)**

*ATAK* **Code: RB 0480**

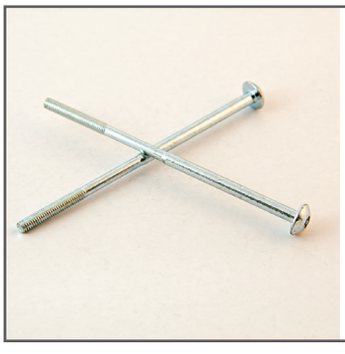
**SIZES**

8,00mm - 8,01mm - 8,02mm



## Unit Pump Cover
**(Suitable for MB)**

*ATAK* **Code: RB 34379**



## Unit Pump Screw
**(Suitable for MB / DAF / Renault)**

*ATAK* **Code: RB 34348**



## Unit Pump Circlip
**(Suitable for MB / DAF)**

*ATAK* **Code: RB 34234**



**Screw**

ATAK **Code: RB 34521**

**Reference:**

F00HN35725



**Heat Shield**
**(Suitable for MB)**

ATAK **Code: RE 0535–160**

**Reference:**

F00ZW00003



**Heat Shield Washer**
**(Suitable for MB)**

ATAK **Code: RE 6160**

**Reference:**

2430105049



**Unit Injector Sphere**
**(Suitable for Volvo)**

ATAK **Code: RD 34576**



**Actuator Valve**
**(Suitable for Volvo)**

ATAK **Code: RD 0450–379**

**Reference:**

7206-0379



**Actuator Valve**
**(Without Electrical Coil)**

ATAK **Code: RD 0460–379**

**Reference:**

7206-0379



**Actuator Valve**
**(Suitable for Old Volvo Models)**

ATAK **Code: RD 0350–379**

**Reference:**

7206-0379



**Actuator Valve**
**(Without Electrical Coil)**
**(Suitable for Old Volvo Models)**

ATAK **Code: RD 0360–379**

**Reference:**

7206-0379



**Actuator Valve**
**(Suitable for Volvo / John Deere)**

ATAK **Code: RD 0450–486**

**Reference:**

7135-486



**Spacer**
**(Suitable for Volvo / John Deere)**

ATAK **Code: RD 0610**



**Actuator Valve**
**(Suitable for Caterpillar)**

*ATAK* **Code: RB 0815**



**Spacer**
**(Suitable for Caterpillar)**

*ATAK* **Code: RB 0211**



**Nozzle Spacer**
**(Suitable for Detroit Diesel S50/60)**

*ATAK* **Code: RD 14187**



**Unit Injector Valve**
**(Suitable for Detroit Diesel)**

*ATAK* **Code: RD 0411**

**SIZES**

| | | |
|---|---|---|
| 6,975mm | 7,005mm | 7,035mm |
| 6,980mm | 7,010mm | 7,040mm |
| 6,985mm | 7,015mm | 7,045mm |
| 6,990mm | 7,020mm | 7,050mm |
| 6,995mm | 7,025mm | 7,055mm |
| 7,000mm | 7,030mm | 7,060mm |



**Barrel & Plunger Assy**
**(Suitable for Cummins Celect M11/N14)**

*ATAK* **Code: RC 1607**

**Reference:**

3411711

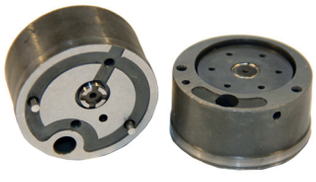


**Unit Injector Filter**
**(Suitable for Scania HPI)**

*ATAK* **Code: RD 174707**

**Reference:**

1721174 - 1434707



**Actuator Valve**
**(Suitable for Volvo Euro 5)**

*ATAK* **Code: RD 0570–588**

**Reference:**

7135-588

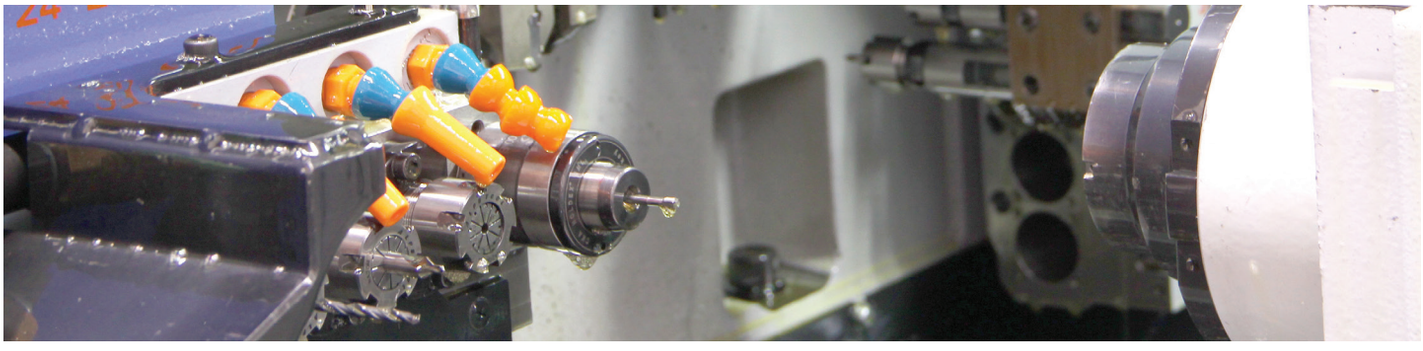


**Actuator Valve**
**Without Electrical Coil**
**(Suitable for DAF Euro 5)**

*ATAK* **Code: RD 0260–440**

**Reference:**

7206-0440





**Backleak Connector**
**(Suitable for Siemens CR Injector)**

*ATAK* **Code: RP 4011**



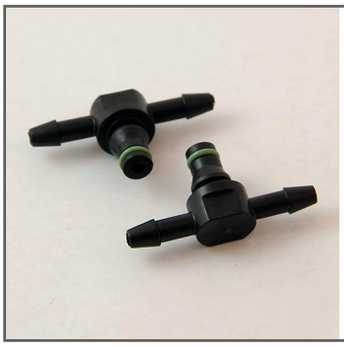
**Backleak Connector**
**(Suitable for Siemens CR Injector)**

*ATAK* **Code: RP 4012**



**Backleak Connector 'L'**
**(Suitable for Bosch CR Injector)**

*ATAK* **Code: RP 4021**



**Backleak Connector 'T'**
**(Suitable for Bosch CR Injector)**

*ATAK* **Code: RP 4022**



**Backleak Connector 'T'**
**(Suitable for Delphi CR Injector)**

*ATAK* **Code: RP 4031**



**Backleak Connector 'L'**
**(Suitable for Delphi CR Injector)**

*ATAK* **Code: RP 4032**



**Backleak Connector 'T'**
**(Suitable for Denso CR Injector)**

*ATAK* **Code: RP 4041**



**Backleak Connector 'L'**
**(Suitable for Denso CR Injector)**

*ATAK* **Code: RP 4042**



**Backleak Connector 'L'**
**(Suitable for Siemens CR Injector)**

*ATAK* **Code: RP 4013**



**Backleak Connector 'T'**
**(Suitable for Siemens CR Injector)**

*ATAK* **Code: RP 4014**



**Backleak Connector 'L'**
(Suitable for Siemens CR Injector)

*ATAK* **Code: RP 4015**



**Backleak Connector 'T'**
(Suitable for Siemens CR Injector)

*ATAK* **Code: RP 4016**



**Backleak Connector 'L'**
(Suitable for Siemens CR Injector)

*ATAK* **Code: RP 4017**



**Backleak Connector 'T'**
(Suitable for Siemens CR Injector)

*ATAK* **Code: RP 4018**



**Backleak Connector 'T'**
(Suitable for Bosch CR Injector)

*ATAK* **Code: RP 4023**



**Backleak Connector**
(Suitable for Bosch CR Injector)

*ATAK* **Code: RP 4024**



**Plastic Connector**
(Suitable for Bosch CP1 Pump)

*ATAK* **Code: RP 4025**



**Plastic Connector**
(Suitable for Bosch CP1 Pump)

*ATAK* **Code: RP 4026**



**Backleak Connector**
(Suitable for Denso CR Injector)

*ATAK* **Code: RP 4043**



**Backleak Connector**
(Suitable for Denso CR Injector)

*ATAK* **Code: RP 4044**



**Plastic Clips**
**(Suitable for Denso CR Injector)**

*ATAK* **Code: RP 4045**



**Backleak Connector '+'**
**(Suitable for Ford Transit)**

*ATAK* **Code: RP 4051**



**Backleak Connector 'T'**
**(Suitable for Ford Transit)**

*ATAK* **Code: RP 4052**



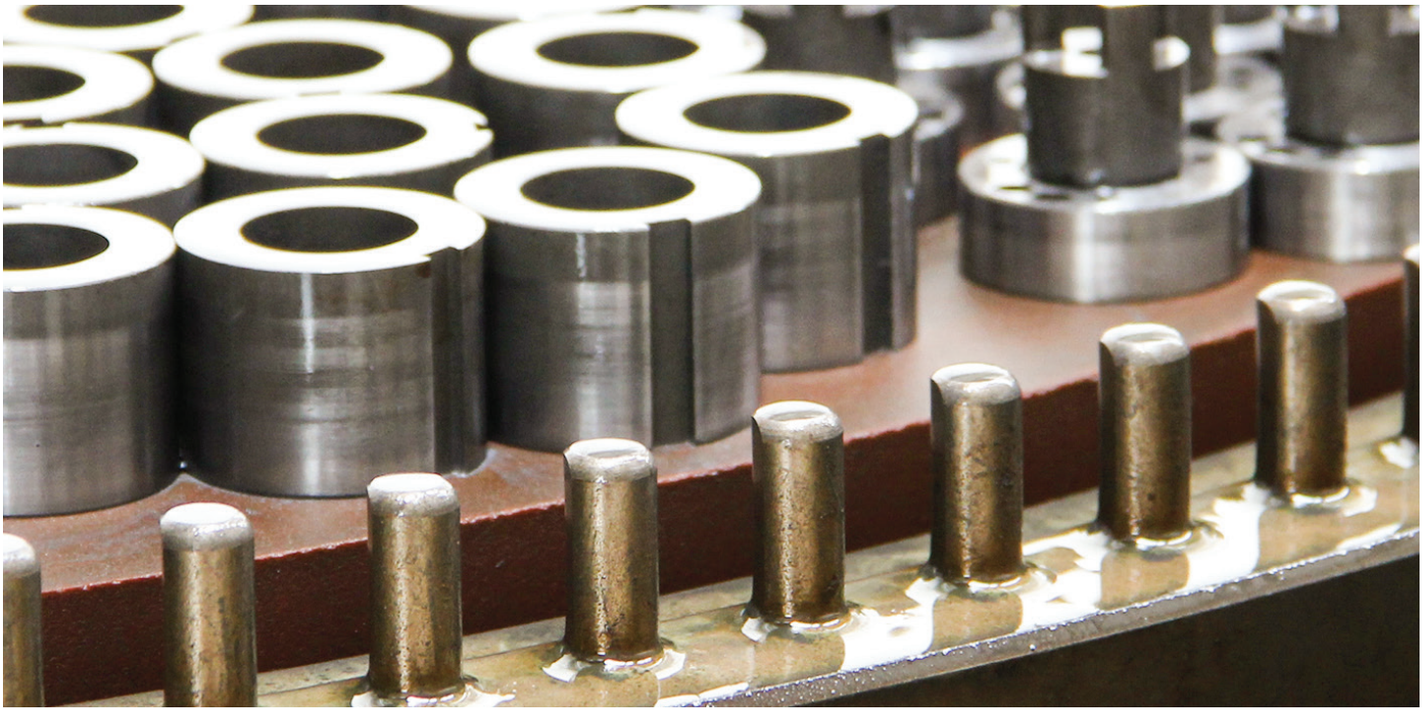
**Backleak Connector 'L'**
**(Suitable for Ford Transit)**

*ATAK* **Code: RP 4053**



**Backleak Connector 'L'**
**(Suitable for Ford Transit)**

*ATAK* **Code: RP 4054**





**Lapping Tool Set**

*ATAK* **Code: RB 0420–123**

**Suitable for Bosch PLD / PDE**



**Lapping Tool Repair Kits**

*ATAK* **Code: RB 0420–124**

**Suitable for Bosch PLD / PDE**



**Lapping Tool Set** *ATAK*

**Code: RD 0420–123**

**Suitable for**
**Detroit Diesel Injectors**



**Lapping Tool Repair Kits**

*ATAK* **Code: RD 0420–124**

**Suitable for**
**Detroit Diesel Injectors**




**Diamond Lapping Paste**

*ATAK* **Code: RB 0430–003**

**Micron**




**Indicator**

*ATAK* **Code: RB 0430–003**

**Brand**

Mitutoyo

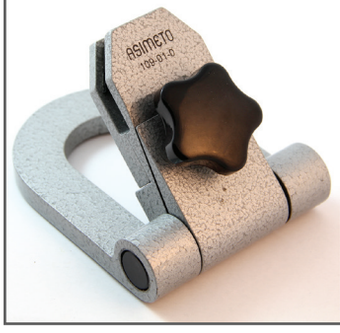



**Digital Micrometer**

*ATAK* **Code: RB 0430–004**

**Brand**

Mitutoyo




**Micrometer Stand**

*ATAK* **Code: RB 0430–005**



**Digital Caliper**

*ATAK* **Code: RB 0430–008**

**Brand**

Mitutoyo



**Allen Wrench**

*ATAK* **Code: RB 0430–009**

3mm



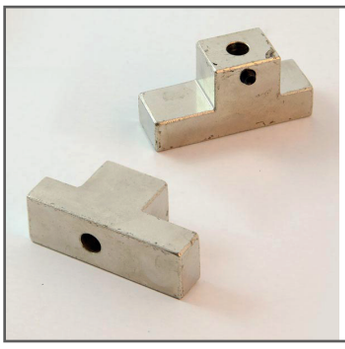
**The Indicator Apparatus of Diesel Feeding Gap for Unit Injector**

*ATAK* **Code: RB 0430–011**



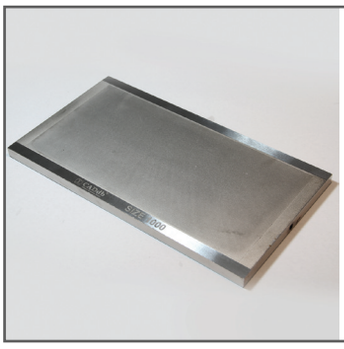
**The Indicator Apparatus of Diesel Feeding Gap for Unit Pump**

*ATAK* **Code: RB 0430–012**



**The Indicator Apparatus of Magnet Gap for Unit Injector and Unit Pump**

*ATAK* **Code: RB 0430–013**

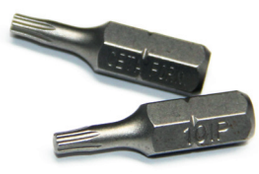


**CBN Diamond Plate**

*ATAK* **Code: RB 0430–007**

**Density**

600 - 800 - 1000 - 1200



**Allen Key For Screw**

*ATAK* **Code: RB 0430–010**

**Reference:**

T10



**5 Star Allen Key For Screw**

*ATAK* **Code: RB 0430–020**

**Reference:**

T20



**Microscope**

*ATAK* **Code: RB 0430–002**

**Magnification levels**

10X * 4 - 20X * 4

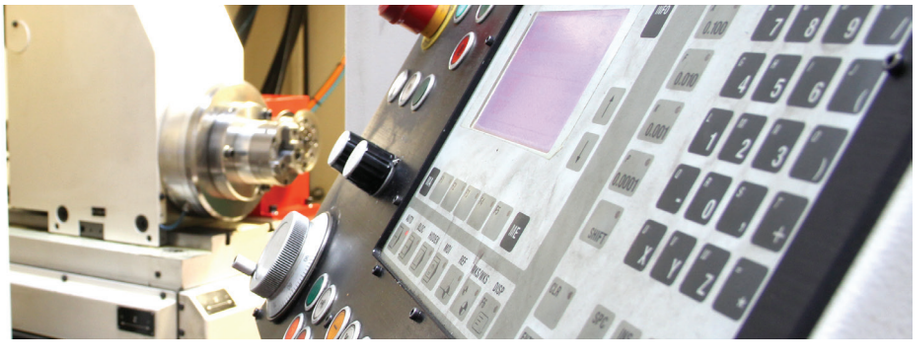


**Injector Disassembly Spanner**

*ATAK* **Code: RD 0560**

**Suitable for Denso CRI**







**O–ring Repair Kit**
**(Suitable for VW PDE)**

*ATAK* **Code: RO 34308**

**Reference:**

1417010997

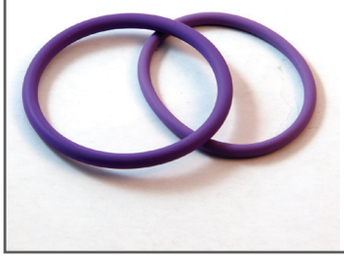


**O–ring Repair Kit**
**(Suitable for Scania HPI)**

*ATAK* **Code: RO 1441237**

**Reference:**

1441237



**O–ring Repair Kit**
**(Suitable for Volvo FH12 EUI)**

*ATAK* **Code: RO 34273**

**Reference:**

F00VX99992



**O–ring Repair Kit**
**(Suitable for Volvo PDE 90)**

*ATAK* **Code: RO 34255**

**Reference:**

276948

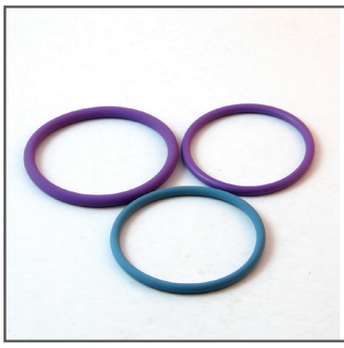


**O–ring Repair Kit**
**(Suitable for Volvo FH12 EUI)**

*ATAK* **Code: RO 34405**

**Reference:**

7135-488



**O–ring Repair Kit**
**(Suitable for Volvo FH12 / PDE 100)**

*ATAK* **Code: RO 34393**

**Reference:**

F00VX99998



**O–ring Repair Kit**
**(Suitable for DAF XF/CF PLD)**

*ATAK* **Code: RO 34828**



**O–ring Repair Kit**
**(Suitable for DAF XF/CF Smart Injector)**

*ATAK* **Code: RO 34827**

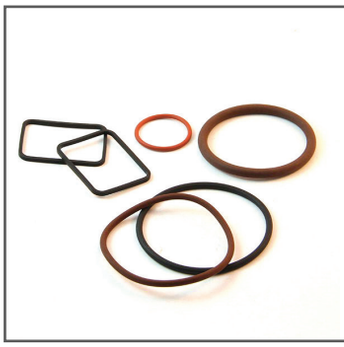


**O–ring Repair Kit**
**(Suitable for DAF XF/CF PLD)**

*ATAK* **Code: RO 34514**

**Reference:**

F00VX99892

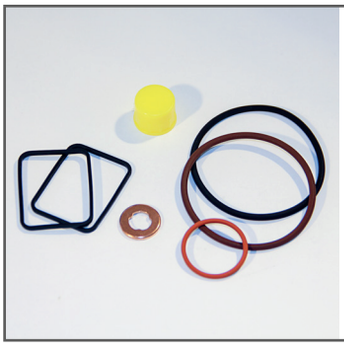


**O–ring Repair Kit**
**(Suitable for DAF XF PLD)**

*ATAK* **Code: RO 31213**

**Reference:**

F00VX99892



**O–ring Repair Kit**
**(Suitable for MB Actros / Axor EUP)**

ATAK **Code: RO 34306**

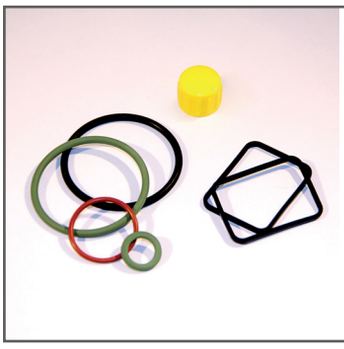
**Reference:**

F00HN37069



**O–ring Repair Kit**
**(Suitable for MB Actros / Axor EUP)**

ATAK **Code: RO 36216**



**O–ring Repair Kit**
**(Suitable for MB Atego EUP)**

ATAK **Code: RO 34231**

**Reference:**

F00HN37070



**O–ring Repair Kit**
**(Suitable for MB Atego EUP)**

ATAK **Code: RO 36215**

**Reference:**

F00HN37454



**O–ring**
**(Suitable for MB / DAF / Volvo)**

ATAK **Code: RO 26370**

**Reference:**

F00HN35723



**O–ring**
**(Suitable for MB Atego)**

ATAK **Code: RO 26140**

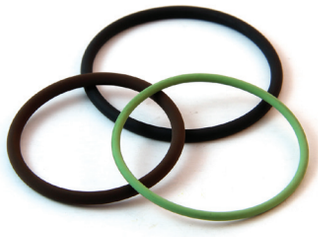


**Ring Solenoid**
**(Suitable for MB / DAF)**

ATAK **Code: RO 21309**

**Reference:**

F00HN37008 - F00HN37062



**O–ring Repair Kit**
**(Suitable for Iveco EUI / PDE 100)**

ATAK **Code: RO 34542**

**Reference:**

F00H4S0001 - F00H4S0011

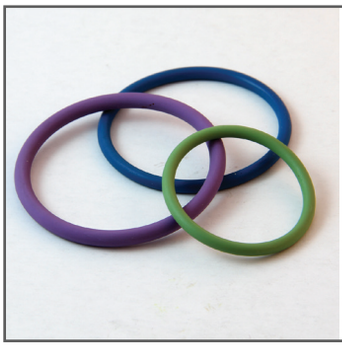


**O–ring Repair Kit**
**(Suitable for Iveco EUI / PDE 90)**

ATAK **Code: RO 34314**

**Reference:**

F00VX99996



**O–ring Repair Kit**
**(Suitable for Scania R EUI / PDE 100)**

ATAK **Code: RO 34317**

**Reference:**

F00VX99999

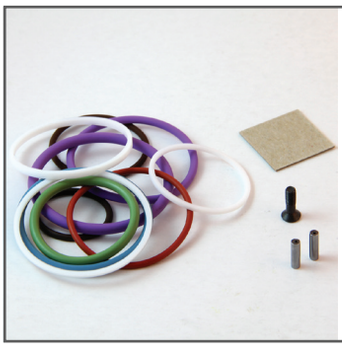


**O–ring Repair Kit**
**(Suitable for Iveco / Scania / PDE 90 / PDE 100)**

*ATAK* **Code: RO 34316**

**Reference:**

F00HN37925 - F00HN37928



**O–ring Repair Kit**
**(Suitable for Scania R EUI / PDE 100)**

*ATAK* **Code: RO 34582**

**Reference:**

F00VX99999 + F00HN37927 + F00HN37928



**O–ring Repair Kit**
**(Suitable for Iveco EUI / PDE 90)**

*ATAK* **Code: RO 34324**

**Reference:**

F00HN37928 + F00VX99996

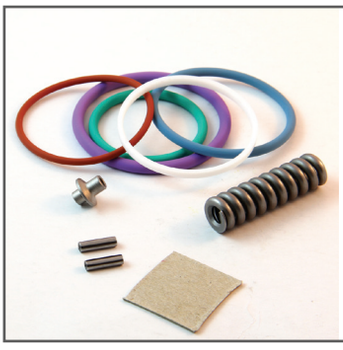


**O–ring Repair Kit**
**(Suitable for Scania R EUI / PDE 100)**

*ATAK* **Code: RO 34328**

**Reference:**

F00VX99998 + F00HN37928 + F00VX99996

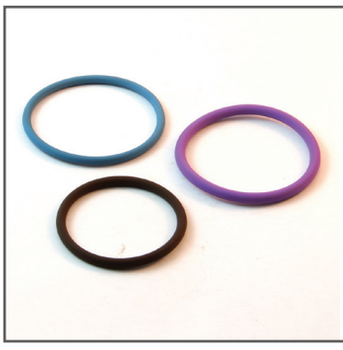


**O–ring Repair Kit**
**(Suitable for Scania R EUI / PDE 100)**

*ATAK* **Code: RO 34321**

**Reference:**

**F00VN37926 + F00VN37927 + F00VX99999**

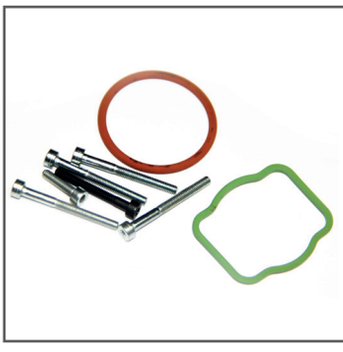


**O–ring Repair Kit**
**(Suitable for Iveco / Scania / PDE 100)**

*ATAK* **Code: RO 34313**

**Reference:**

F00VX99995



**O–ring Repair Kit**
**(Suitable for Caterpillar 3406E / Solenoid)**

*ATAK* **Code: RO 34592**



**O–ring Repair Kit**
**(Suitable for Caterpillar 3406E)**

*ATAK* **Code: RO 34595**



**Repair Kit**
**(Suitable for Caterpillar 3406E)**

*ATAK* **Code: RO 34941**



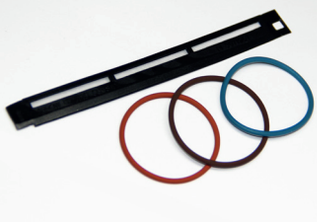
**O–ring Repair Kit**
**(Suitable for Caterpillar 3516E / Solenoid)**

*ATAK* **Code: RO 34721**



**O–ring Repair Kit**
**(Suitable for Caterpillar 3516E)**

*ATAK* **Code: RO 34723**



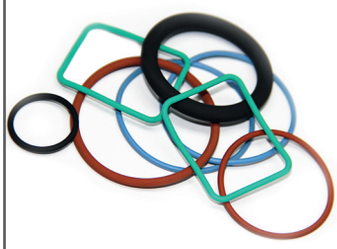
**Repair Kit**
**(Suitable for Cummins Celect N14)**

*ATAK* **Code: RO 37235**



**O–ring Repair Kit**
**(Suitable for Detroit Diesel S50/60)**

*ATAK* **Code: RO 34705**



**O–ring Repair Kit**
**(Suitable for Detroit Diesel S50/60)**

*ATAK* **Code: RO 34706**





**Solenoid Valve Repair Kit**
**(Suitable for Scania HPI)**

*ATAK* **Code: RC 3940**

**Reference:**

1784239 - 1784240



**Actuator Spring**

*ATAK* **Code: RS 379B**

**Reference:**

7206-0160



**Injector Nozzle Spring**

*ATAK* **Code: RS 379M**

**Reference:**

7207-0070



**Actuator Spring**

*ATAK* **Code: RS 440B**

**Reference:**

7206-0279



**Valve Spring**

*ATAK* **Code: RS 588B**

**Reference:**

7206-0246

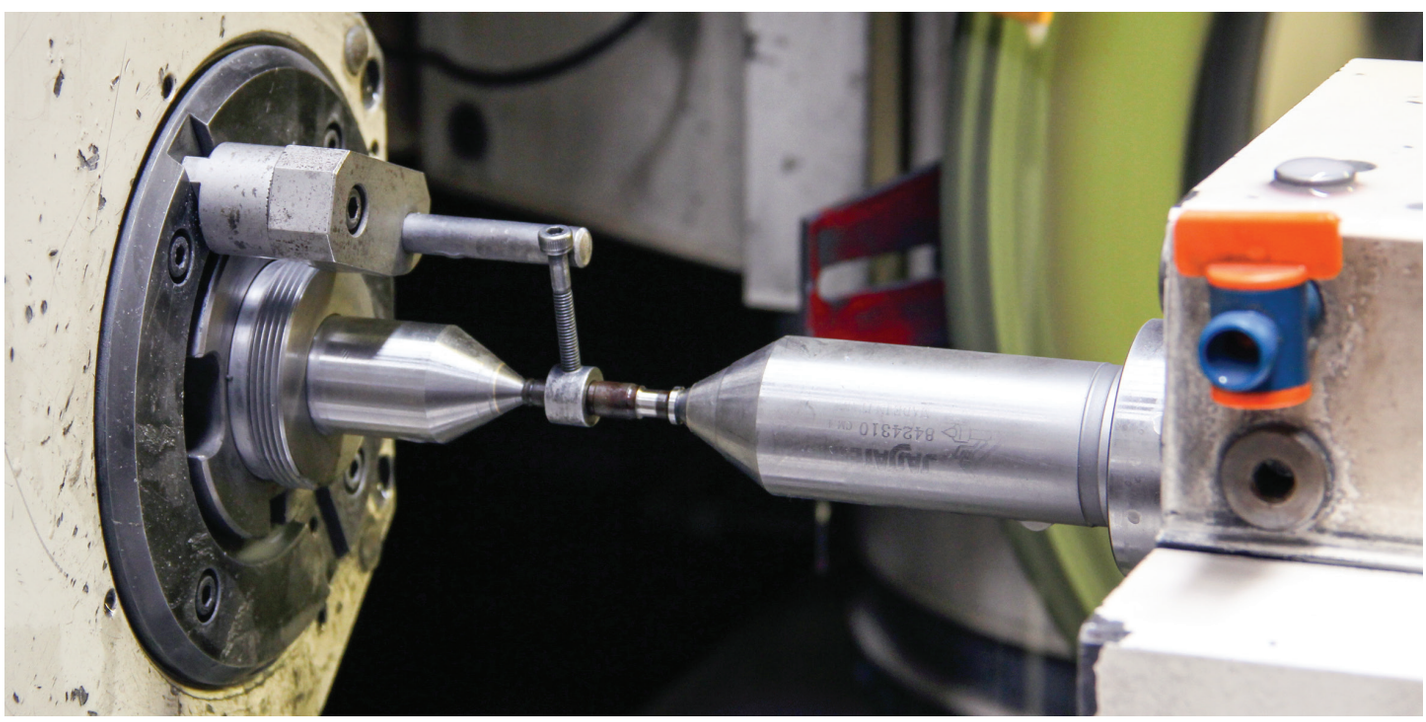


**Injector Nozzle Spring**

*ATAK* **Code: RS 486M**

**Reference:**

7169-539






**The Atak The Test Bench for Testing and Coding of Common Rail Injectors Tester**

The Atak diagnostic bench is designed to test Common Rail injectors tester manufactured by Bosch, Delphi, Denso, Siemens at a system pressure of up to 2400 bar.

The measurement takes place in an electronic measuring system.

The program with test plans is included in the package.

The Atak stand allows you to simultaneously check 4 injectors, as well as control the temperature of the test liquid on each injector.

The Atak diagnostic bench uses the CR4-Tester device, which is designed to provide user-programmable control signals for the Common Rail fuel delivery system injectors tester to check their performance (shape and intensity of spraying, volumetric efficiency).

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**"Jet4-E" All inclusive**

"Jet4-E" are 2 sensors 1 channel. Electronic measuring system for testing Common Rail injectors with the function of coding BOSCH, DENSO, DELPHI, SIEMENS injectors, vacuum unit, "TEPI", fuel receivers.

The electronic measuring system for testing the CR system injectors includes:

1) Control unit CR-tester;

2) Measurement unit, independent flow measurement channel, independent return flow change channel;

3) Vacuum unit;

4) Responsive time sensor;

5) Fuel receivers for 7mm and 9mm;

6) The system is completed with the AWP diesel program;

7) Testing and coding of Bosch, Denso, Delphi, Siemens injectors.




**UIS-CAM**

The UIS-CAM stand is designed for testing, adjusting, as well as coding unit injectors (UI) and pumping sections (UP) BOSCH, DELPHI.

The UIS-CAM stand uses:

1) UIS-tester device with two independent control channels, tachometer, E3 coding controller, DAF105;

2) Bezmezurenoy measurement of the performance of injectors;

3) CAM BOX with removable cams;

4) Program of control and coding "ARM-Diesel";

5) 7.5 kW induction motor;

6) Mitsubishi 7.5 kW asynchronous drive;

7) Air cooling system;

8) Oil change unit.




**CR-Next Valve stroke actuator device**

The “CR-Next Valve stroke actuator” device is designed to supply a signal to control the solenoid valve of the COMMON RAIL electromagnetic injectors manufactured by BOSCH, to measure the valve stroke by measuring the magnetic gap.

The CR-Next Valve stroke actuator is used in the CR-NeXT diagnostic system.

The device has short circuit protection, and the ability to self-update the firmware.

The “CR-NeXT” complex be used for accurate and high-quality assembly of electromagnetic injectors of the Common Rail system. CR-NeXT allows you to perform a sequence of operations with complete visualization of the process and the formation of the required installation dimensions required for assembly.

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**Diesel tester CR-IP.1-4I**

The "Diesel tester CR-IP.1-4I" is designed to diagnose Common Rail injectors from Bosch, Denso, Delphi, Siemens VDO on the test bench. Device provides:

- simultaneous control of 1-4 injectors;
- control of electromagnetic injectors of passenger car series with voltage of 14 V;
- control of electromagnetic injectors of truck series with 28V supply voltage;
- control of piezoelectric injectors;
- control of Common Rail injectors of CP1, CP3 systems;
- control of the measuring unit shutter.




**DT OS.112/V8 Single channel injector tester**

The "Diesel Tester OS.112 / V8" device is the electronic control unit for common rail injectors. It is the updated and improved version of the CR-Tester (single-channel injector tester).

The new Tester, depending on the selected configuration, has the following features:

- Controlling injectors manufactured by Bosch, Denso, Delphi, with an electromagnetic activator, Siemens, Bosch, Denso, Delphi with a piezoelectric activator, on a hand press, as a primary injector diagnostic. Changing of signal parameters occur by using control buttons.
- Control of electromagnetic injectors in the activator mode for measuring the valve stroke by adjusting the injector.
- Control of injectors as part of the test bench, with automatic pressure maintenance (control of two regulators), control of the measuring unit using the ARM-Diesel program.
- Computer control, work on available test plans, the ability to create your own test plans, save the results, print the test report.
- Measurement of RLC parameters of the injector.

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**JET CODE**

The JET-CODE complex is designed to correct injector parameters in the code and generate a new code.

Supported types of coded injectors: BOSCH, DELPHI, DENSO, SIEMENS.
The complex includes: JET-CODE program, USB-CODER (for 10000 encodings).




**Valve Tester V2**

The **Valve Tester V2** is designed to diagnose and measure the operating parameters of the control solenoid valves of the fuel equipment (for example, Common Rail injectors, unit injectors and sections). The Valve Tester allows you to tune the control solenoid to ensure that it operates in the same way for all engine cylinders (to ensure smooth engine operation).

The operating parameters of the control solenoid valve are among the basic parameters (along with the hydraulic parameters of the metering device and the compression value in the cylinders) and directly affect the uniformity of fuel delivery and the uniformity of engine rotation.

The device allows you to determine the following parameters of the control solenoid valve using a control signal:

- measurement of solenoid's operating current;
- measurement of solenoid's release current;
- indirect measurement of the air gap of the solenoid valve;
- measuring the inductance of solenoid;
- measuring the resistance of solenoid.

Now, the device allows working with the following types of solenoid control valves:

- BOSCH 799XXX;
- BOSCH 755XXX;
- BOSCH 720XXX;
- BOSCH 720XXX;
- BOSCH CRI 1;
- BOSCH CRI 2-18;
- BOSCH CRI 2-20;
- Denso 3 Ohm;
- Denso 0,5 Ohm;
- custom.




**Mega Tester V4 - piezo injector testing**

The **Mega Tester** is the device to test the piezo injectors manufactured by Bosch, Siemens VDO, Denso. That allows you to:

- measure the capacitance of the piezoelectric element,
- measure the resistance of the piezoelectric element under voltage
- measure the insulation resistance under elevated voltage
- by means of the injector control voltage to measure the stroke of the piezoelectric element.
- measure the gap between the piezo actuator and the pusher of injector hydraulic valve (from -2.0 µm till 15.0 µm).

The functionality of the device allows you to assess the damage degree of the piezoelectric element and is intended to make it easier in diagnosis and troubleshooting of the piezoelectric injectors, as well as to help assess the correctness of the assembly of the injectors. The operation of the device is controlled from a computer using a keyboard and mouse. It is also possible to start the device in manual mode using the buttons on the front panel. Some functions will not be available from the instrument menu.




**PR-Tester: Instrument for measuring fuel pressure with CR, FSI systems**

Pr-tester is used to measure the pressure in the fuel system, and also has the ability to connect an external differential pressure sensor MPX4250D or MPX5500 to measure the pressure or vacuum of air. The tester displays the current and maximum pressure value, and also has an automatic shutdown function.

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**UIS Tester: Device for diagnostics of unit injectors**

The device "UIS-Tester" is intended for testing and checking the performance of unit injectors (UIS -Unit Injector System) and individual high-pressure fuel pumps with high-pressure solenoid valves (UPS -Unit Pump System).
Using the UIS-Tester device, you can measure the response time of the electric valve, the device also has the ability to automatically control the electric drive of the measuring unit, and additional possibilities for self-updating the firmware and adapting to various CAMBOX versions.

The UIS-Tester device allows:

- set the control signal for the high pressure solenoid valve;
- measure the rotational speed of the pressure cam drive shaft;
- set the required number of cycles;
- preset mode, for 5 by solenoid valve control mode;
- set any value of the lead angle for switching on the solenoid valve.




**DT-UNI Tester**

The DT-UNI device allows:

- Operate the distribution and in-line injection pump with electronic controls;
- set any possible position of the spool valve (metering unit);
- work with pumps in which the position sensor: inductive or potentiometric;
- monitor the voltage (acknowledgment) of the feedback from the dispenser position sensor on the indicator;
- control the set control voltage for the dispenser;
- control the value of the current through the metering winding;
- control the value of the fuel temperature in the high-pressure fuel pump
- control the position of the injection pump advance valve;
- display the voltage of the so-called “ advance valve travel ” (TPS), only for ZEXEL-COVEC;
- start the engine directly using the "DT-UNI" device;
- check the performance of the injection pump without removing it from the car.




## Electronic Measuring Unit for Diesel Injection Pumps

The measuring and control unit CRP-FM is the new combined and optimized solution of CPFM and CP Tester together.

The measurement block of CRP-FM designed to test and verify the performance of diesel injection pumps (high pressure fuel pumps) of the Common Rail system. The device has two channels for measuring the strait. In each meter (sensor) of the strait is a temperature sensor that measures the temperature of the liquid.

The controller of CRP-FM is intended for supplying user-programmable control signals to the pressure regulators of the test system and the injection pump of the Common Rail system to check their operability (volumetric capacity, maximum pressure).

Software ARM Diesel CP with the test plans is included.

Ostim OSB Mah. 1156. Cad. No:4
Yenimahalle / ANKARA

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