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## COMMON RAIL INJECTOR, RETURN FLOW PRESSURE MEASUREMENT

- Test devices for return flow pressure measurement of piezo common rail injectors.
- Suitable for checking the common rail injector quality (good/bad).
- The devices feature a transparent test block made of plexiglass for the identification of potential air bubbles.

### TESTER FOR MEASURING THE RETURN PRESSURE FROM PIEZO COMMON RAIL INJECTORS (BOSCH, DELPHI, VDO/SIEMENS)



item number :  
FP 06U (041225\_3)

#### DESCRIPTION

- Tester for measuring the return pressure from piezo common rail injectors. Suitable for testing the condition of a common rail injector (good/poor statement).
- The tester comes with a transparent body, permitting any air bubbles in the fluid to be seen.
- The advantage of this tester is the possibility of changing testing hoses, thereby offering a choice of use with **BOSCH, DELPHI** or **VDO/SIEMENS** injectors (not supplied as standard but can be ordered separately - see FPZ xx).
- various uses
- compound gauge DS 63, range -1...+15 bar
- bleeding and pressure release feature

#### SCOPE OF DELIVERY

- 1 test unit with compound gauge
- 1 release valve with PVC hose 0.30 m long

#### EQUIPMENT

- **FPZ 01** (041227\_1) set of hoses with connectors, each hose 0.30 m long; for **VDO/SIEMENS** injectors.
- **FPZ 02** (041227\_2) set of hoses with connectors, each hose 0.30 m long; for **BOSCH** injectors.
- **FPZ 03** (041227\_3) set of hoses with connectors, each hose 0.30 m long; for **DELPHI** injectors.
- **FPZ 04** (041227\_4) set of hoses with connectors, each hose 0.30 m long; for **DELPHI** solenoid valve OM 651.

# TEST INSTRUMENT FOR TESTING THE RETURN PRESSURE FROM PIEZO COMMON RAIL INJECTORS



item number :

FPMK 01 (042118\_1)

## DESCRIPTION

- For quick, safe and professional testing of the return pressure from piezo common rail injectors.
- Suitable for testing the quality of a common rail injector (pass/fail statement).
- The tester features a test unit made of transparent plexiglass permitting the identification of any air pockets which may be present.
- The advantage of the tester is that the vacuum gauge on the test unit can be exchanged.
- The required pressure range for BOSCH and VDO/SIEMENS injectors is -1 to +15 bar, for DELPHI injectors it is -1 to +3 bar.
- The connecting leads FPZ 01, FPZ 02 and FPZ 03 can be connected to the control unit.
- Suitable for use on a variety of injectors
- Replaceable vacuum gauge
- Release valve for venting/depressurisation

## SCOPE OF DELIVERY

- 1 test unit with gauge, quick-fit connectors and pressure release valve
- 1 vacuum gauge DS 63, measuring range -1 to +15 bar
- 1 vacuum gauge DS 63, measuring range -1 to +3 bar
- FPZ 01 set of hoses, for connection to **VDO/SIEMENS** injectors
- FPZ 02 set of hoses, for connection to **BOSCH** injectors
- FPZ 03 set of hoses, for connection to **DELPHI** injectors
- 1 conical brass adapter
- Supplied in a solid plastic case

# INSTRUMENT FOR TESTING THE RETURN FLOW PRESSURE FROM PIEZO COMMON RAIL INJECTORS (BOSCH)



item number :

FP 06\_BOSCH (041225\_1)

## DESCRIPTION

- Instrument for testing the return flow pressure from **BOSCH** Piezo common rail injectors. Suitable for testing the condition of a Piezo common rail injector (pass/fail statement).
- The instrument features a transparent body, permitting the identification of any air bubbles which may be present.
- suitable for BOSCH injectors
- compound gauge DS 63 (2 1/2")
- measuring range - 1 ... +15 bar

## SCOPE OF DELIVERY

- 1 test unit with compound gauge

- 1 release valve with PVC hose
- 2 hoses each 0.30 m long with angle adapter

#### **EQUIPMENT**

- ET 448\_BOSCH (121478\_1) angle adapter, made of brass

#### **SPARE PARTS**

- ET 246 (121144) compound gauge DS 63, range -1...+3 bar/0...760 mmHG / 0...215 psi
- ET 118 (120603) conical brass adapter

## **INSTRUMENT FOR TESTING THE RETURN FLOW PRESSURE FROM COMMON RAIL INJECTORS (DELPHI)**



item number :

FP 05\_DELPHI (041224\_1)

#### **DESCRIPTION**

- Instrument for testing the return flow pressure from **DELPHI** Piezo common rail injectors. Suitable for testing the condition of a Piezo common rail injector (pass/fail statement).
- The instrument features a transparent body, permitting the identification of any air bubbles which may be present.
- suitable for DELPHI injectors
- compound gauge DS 63 (2 1/2") with double scale
- measuring range - 1 ... +3 bar
- 0...760 mmHG / 0...215 psi

#### **SCOPE OF DELIVERY**

- 1 test unit with compound gauge
- 2 connectable hoses Ø 4 mm, each 0.50 m long
- 2 connectable hoses Ø 5 mm, each 0.50 m long
- 1 conical brass adapter

#### **EQUIPMENT**

- FPZ 04 (041227\_4) set of hoses with connectors, each hose 0.30 m long; for **DELPHI** solenoid valve OM 651.

#### **SPARE PARTS**

- ET 246 (121144) compound gauge DS 63, range -1...+3 bar/0...760 mmHG / 0...215 psi
- ET 118 (120603) conical brass adapter

# ACCESSORY FOR COMMON RAIL RETURN FLOW TESTER (FP 06U)



item number :  
FPZ (-)

## DESCRIPTION

Code	Ref no.	Description
FPZ 01	041227_1	set of hoses with connectors, each hose 0.30 m long for VDO/SIEMENS injectors.
FPZ 02	041227_2	set of hoses with connectors, each hose 0.30 m long for BOSCH injectors
FPZ 03	041227_3	set of hoses with connectors, each hose 0.30 m long for DELPHI injectors.
FPZ 04	041227_4	set of hoses with connectors, each hose 0.30 m long for DELPHI solenoid

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