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COMMON RAIL PUMP DIAGNOSTIC MODULE

Product Bulletin

CR 134-278



DISPLAY
P=0026 PT=---
B=79% T=3

KEY WORDS:
P = Instant pressure
PT = Max Pressure (on memory)
B = Power level
T = Trial duration (programmable)

The Sealed Rail Pressure Tester is a device which measures precisely the pressure generated by a Common Rail Pump. It is fitted directly to the high-pressure outlet pipe and measures the pressure within the system during the cranking of the engine. The measurement can be read from a digital display (as shown). If the figure displayed varies from the specified pressure measurement for that application then the pump is at fault and should be replaced.

INSTRUCTIONS:

1. Disconnect the high pressure pipe from the pump
2. Blank off the rail to avoid fuel leak and any contamination.
3. Join the given A or B high pressure pipe to the high pressure side of the pump and lock up.
4. Join the free side of the A or B high pressure pipe to the sealed rail block and lock up.
5. Connect the hand held digital display to the sealed rail block using the connecting cable.
6. Switch on the Tester using the switch on the left side.
7. Set up the trial duration value T (from 1 to 9 sec.), using the "+" and "-" buttons on the control panel.
8. Switch on the tester and keep it on for the duration of the test (standard time = 3 -5 sec.), then push the Start button on control panel of the Tester.
9. Crank the engine approx 3 revolutions this will record the pressure in the system.
10. When disconnecting the HP pipes from the pump and sealed rail be sure to allow 3 -5 minutes to allow pressure to dissipate.

NOTE: for CP3 and Delphi pumps, disconnect the plug of the dosing unit (IMV) and join this plug (dummy IMV) to the inductance to override the signal to reach the unit.



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