

IMPORTANT

PLEASE FOLLOW THE BELOW INSTRUCTIONS PRIOR TO FITMENT OF COMMON RAIL INJECTORS

It has been found across a wide range of vehicles using **solenoid** fuel injectors that once the injectors have been removed and refitted (whether due to an injector related issue or after the injectors have been removed for other engine related repairs), the vehicle may develop an engine miss, run poorly, or may not start.

The problem arises from the injectors not being completely bled allowing engine compression to enter through the injector nozzle orifices. The carbon deposits impede the operation of the internal components which results in the poor performance and/or the vehicle not starting.

To ensure the fuel system is adequately bled prior to cranking the engine, please follow the below steps.

NOTE: The fitment instructions are for solenoid actuated injectors only. Do NOT follow the below steps if the injectors are piezo actuated. Piezo injectors can be identified by having no back/leak

1. When working on vehicles and replacing injectors, the battery (or batteries) must be disconnected as the ECU will retain memory of the previous state and fail to relearn the operational characteristics of the replacement injectors once installed. Disconnect the battery for a period greater than 5 minutes
2. Reconnect the battery
3. Code injectors to the ECU prior to fitment to the engine
4. Fit the injectors without tensioning the fuel inlet pipe (approx. ½ turn from tight). Leave the injector harness connectors disconnected
5. Disconnect harness plug to IMV (Inlet metering valve) on the high-pressure pump
6. Crank engine to build fuel pressure to the injectors without starting

Once the fuel has been bled to the injectors;

7. Tension the high-pressure pipes to the correct torque specifications
8. Using a scan tool confirm the rail pressure whilst cranking to ensure that the pressure is above 30 MPA
9. Reconnect harness plug/connectors to the IMV on the high-pressure pump and to the injectors
10. Start engine
11. Test drive vehicle. It is also recommended that the vehicle is given at least one full day of running through a range of operational conditions to allow the replacement injectors to learn the new operational characteristics.