

Early Sprinter Injector Installation Tips



Perform a fuel system inspection prior to installation of replacement of Sprinter injectors for OM612 engines, model years 2000 – 2003 (part number DT270001R). If rust, contamination, or metal particles are found the fuel system must be cleaned including the tank, filter housing, supply lines, and the high-pressure system. **Failure to completely clean the complete fuel system can result in immediate or repeated short-term injector failures.**

INSTALLATION TIPS

1. Use caution when working on the fuel system to prevent injury. The high-pressure side of the fuel system is pressurized up to 20,300 PSI and the injector wiring high voltage is 80 volts. Make sure the engine is off, the high-pressure has bleed down, and the engine has cooled off prior to working on the fuel system.
2. The Engine Control Module (ECM) should be updated to the latest calibration as part of the diagnostic and repair process.
3. DTech fuel injectors have tolerances measured in microns. It is important to work in a clean manner to prevent contamination of the fuel system to prevent premature failures. Clean the engine area around the fuel system prior to removing any fuel system components. Before assembly inspect each component for dirt, grease, or other contaminants and clean as necessary.
4. Install a new fuel filter and do not fill it with fuel prior to installation.
5. Make sure that the injector bore in the cylinder head is clean and that the old injector nozzle-sealing washer have been removed.
6. Lubricate the injector body with anti seize lubricant and install the injector into the cylinder head.
7. Use shop air to blow any debris and fluids from the hold down bolt hole in the cylinder head.
8. Install the hold-down bracket.
9. Install a new hold-down bracket bolt and tighten in two steps. Torque to 62 in-lb (7 Nm) and then tighten the bolt an additional 90 degrees rotation.
10. Install the injection lines and torque the injection line nuts to 195 in-lb (22 Nm).
11. Connect the injector electrical connectors to the injector stator connection.
12. Install the injector return connectors and hose.
13. When installing the engine cover insure the proper routing of the fuel injector return to prevent pinching or damage to the hose that can cause a fuel leak or a driveability issue.

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