

DETROIT DIESEL



Installation Instructions

18SP611 – N3 Injector Washer and O-ring Seal Kit for Series 60[®] EGR DDEC[®] V Engines

KIT DESCRIPTION

New service kit (P/N: 23535700) supersedes former service kit (P/N: 23533294) and is now available for replacement of the N3 injector washer, O-rings, and injector hold-down clamp washer on Series 60 EGR DDEC V engines.

KIT CONTENTS

The new replacement kit contains the following parts listed in Table 1.

Part Number	Quantity	Description
F00HN34702	1	Injector O-ring (Orange)
F00HN37331	1	Injector O-ring (Blue)
F00HN37860	1	Injector O-ring (Purple)
F00H410608	1	Injector Washer (<i>new</i> Gray)
23535699	1	Injector Hold-Down Clamp Washer
18SP611	1	Instruction Sheet

Table 1 Contents for Service Kit (P/N: 23535700)

INSTALLATION PROCEDURE

Install the washers and O-rings as follows (see Figures 1 and 2):

1. Disconnect battery power before servicing the N3 injector to prevent failure of the DDEC V ECM.
2. Remove the N3 injector and identify injector cylinder positions. Refer to the *Series 60 Service Manual* (6SE483) for full procedures on the proper removal and installation of the N3 injector.

3. Clean (remove carbon, soot, etc.) the injector tip and body and the injector sleeve in the cylinder head.
4. Replace the three O-rings on the injector by applying a thin coat of clean fuel oil to the injector O-rings and installing them in the injector nut ring grooves. Make sure the O-rings are properly seated. See Figure 1.
5. Replace the former copper seal on the bottom of the injector with the new washer (gray color). The smooth side of the washer must face down into the cylinder head. The stepped side of the washer must face up to the injector. See Figure 1.
6. Install the injector and hold-down clamp as an assembly into its original cylinder position, taking care not to damage the O-rings. See Figure 2.
7. Replace the injector hold-down clamp washer with the new washer in the kit. The convex side of the washer fits into a corresponding concave cup in the injector hold-down clamp.
8. Align the hold-down clamp over the retaining stud and install the bolt into the injector clamp and torque to 70 N·m (52 lb·ft). No additional torque of the bolt is necessary. See Figure 2.

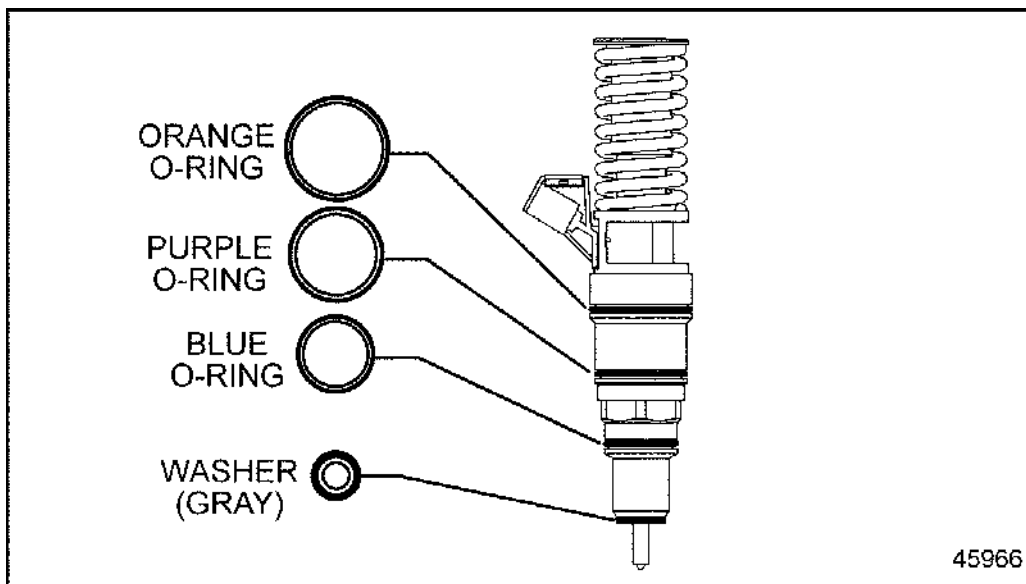
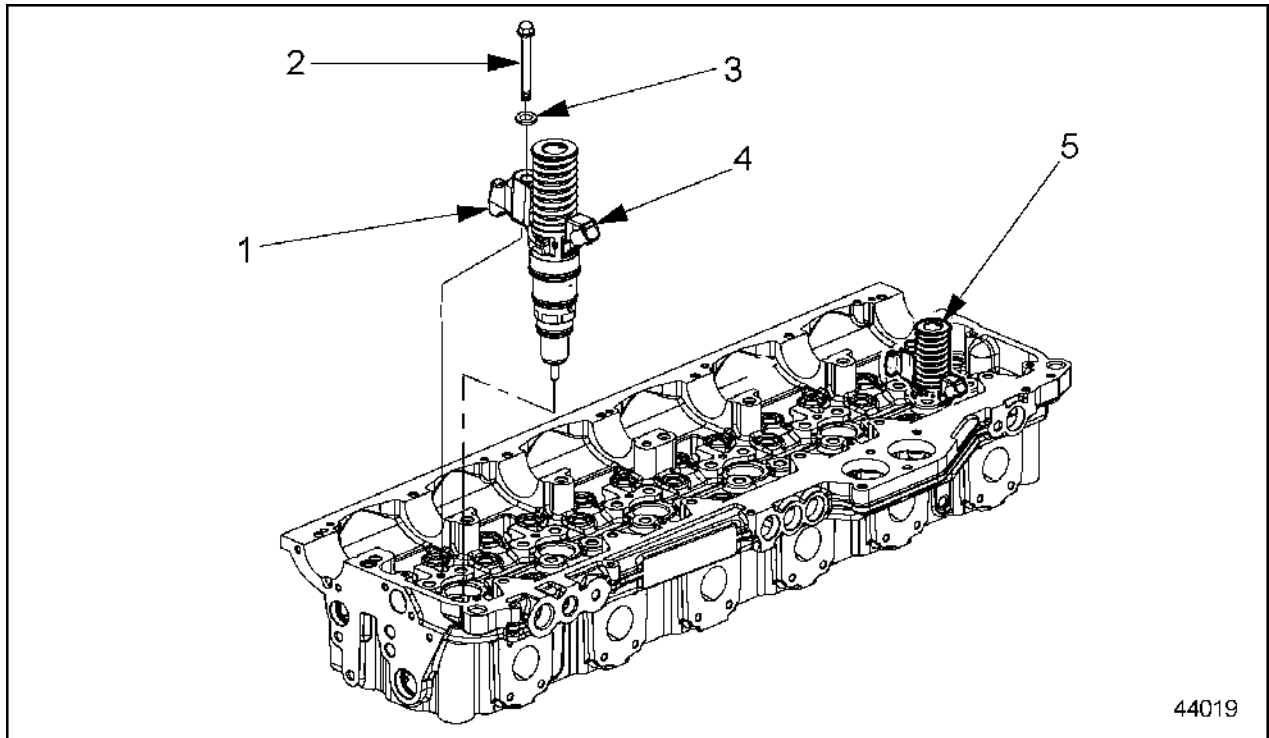


Figure 1 Injector Washer and O-ring Installation



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| 1. Injector Hold-Down Clamp (Re-use From engine) | 4. N3 Injector (Re-Use From Engine) |
| 2. Bolt (Re-Use From Engine) | 5. N3 Injector Installed |
| 3. Injector Hold-Down Clamp Washer | |

Figure 2 Injector Hold-Down Clamp And Washer Installation

DETROIT DIESEL



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