

Installing & Removing Injector Cups on Detroit Diesel 60 Series EPA-07 and Pre-EPA07



M30161 J46904 Pre EPA-07



M30162 J47907 EPA07

Removing and installing PreEPA07

Drain Engine Coolant before removing injector tube.

Injector tubes may be damaged if excessive force is used during removal.

Install injector cup removal/installation tool into injector bore. See pictures for correct tool. Aligning tool with slots in tube. Turn injector cup removal/installation tool and injector tube counter clockwise to remove.

Check injector tube for cracks or defects. Replace if damaged.

Paying careful attention not to score cylinder head to injector tube sealing surface, clean injector tube threads with fine wire brush. M30139

For cleaning injector tube interior sealing surface, a chemical solvent may be used.

Thoroughly clean injector bore, install new O'Ring into injector tube groove.

Use high temperature nickel based antiseize lubricant to coat injector tube threads. Install injector tube on injector cup removal/installation tool.

Using injector cup removal /installation tool install injector tube in injector bore.

Tighten injector tube to torque specs. (please refer to owners manual. 26-33ftlb loosen 180 degrees tighten 26-33 ftlb.

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Check injector tube for cracks or defects. Replace if damaged.

Paying careful attention not to score cylinder head to injector tube sealing surface, clean injector tube threads with fine wire brush. M30139 Use of power tools or compressed air is strongly discouraged. Pay strict attention to keep debris out of fuel supply line.

For cleaning injector tube interior sealing surface, a chemical solvent may be used.

Thoroughly clean injector bore, install new O'Ring with a silicone based lubricant into injector tube groove.

Use high temperature nickel based antiseize lubricant to coat injector tube threads. Install injector tube on injector cup removal/installation tool.

Using injector cup removal /installation tool install injector tube in injector bore.

Tighten injector tube to torque specs. (please refer to owners manual. 26-33ftlb loosen 180 degrees tighten 26-33 ftlb.

Tip of the injector must be flush with the fire deck or sunk into the cylinder head. Ensure tube does not protrude past fire deck into cylinder.

Re-install or replace shim. Ensure NEW shim is of same thickness as original one. To insure proper tube depth after fire deck has been milled a shim is used between tube and cylinder head in remanufactured cylinder heads.

Please refer to your service manual for most up to date procedure.