Removal, Inspection, and Installation of the MY13 DD15 Asymmetrical Turbocharger Exhaust Gas Recirculation Valve Actuator Pull Rod

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Additions, Revisions, or Updates

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13400 Outer Drive, West, Detroit, Michigan 48239-4001
Telephone: 313-592-5000
www.demanddetroit.com
2 Removal of the MY13 DD15 Asymmetrical Turbocharger Exhaust Gas Recirculation Valve Actuator Pull Rod

Remove as follows:

**NOTICE:** The clamping nut and actuator pull rod must remain installed to the Exhaust Gas Recirculation (EGR) valve linkage when removing or installing the lock nut to avoid damage to the EGR valve actuator gears.

**NOTE:** The part number faces upward; the end of the pull rod with the "V" attaches to the EGR valve linkage.

1. Shut off the engine, apply the parking brake, chock the wheels, and perform any other applicable safety steps.
2. Remove the heat shield covering the EGR hot pipe.
3. Mark actuator pull rod in relation to EGR actuator for proper assembly.

**NOTE:** If the EGR pull rod is going to be reused, do not lose the spacer on the EGR valve lever stud.

4. Hold the actuator pull rod from coming into contact with the stops and remove both clamping nuts.
5. Remove the actuator pull rod.
3 Inspection of the MY13 DD15 Asymmetrical Turbocharger Exhaust Gas Recirculation Valve Actuator Pull Rod

Inspect as follows:

1. Inspect the Exhaust Gas Recirculation (EGR) valve actuator pull rod for binding, looseness, or damage to either set of bearings (1). If damaged, replace the actuator pull rod.
4 Installation of the MY13 DD15 Asymmetrical Turbocharger Exhaust Gas Recirculation Valve Actuator Pull Rod

Install as follows:

**NOTE:** If installing an Exhaust Gas Recirculation (EGR) valve actuator pull rod, the “V” stamped on the rod is attached at the EGR valve and the part number is on top.

1. Install the EGR actuator valve pull rod on the EGR valve linkage stud with the spacer between the pull rod and the linkage.
2. Install the EGR pull rod to the EGR valve actuator lever stud.
3. With the EGR valve actuator pull rod installed on the EGR valve and the EGR valve actuator, apply a small amount of copper-based anti-seize compound to the nut threads. Install and torque to 20 N·m (15 lb·ft).