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## Service Information Bulletin

SUBJECT	DATE
GHG14 DD15 AT Exhaust Gas Recirculation Actuator Pull Rod	June 2015

### Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0083 DDC-SVC-MAN-0183	DD Platform EuroIV DD Platform	Removal of the GHG14 DD15 AT Exhaust Gas Recirculation Valve Actuator Pull Rod	New Notes and Notices as well as several new steps in all three procedures.
		Inspection of the GHG14 DD15 AT Exhaust Gas Recirculation Valve Actuator Pull Rod	
		Installation of the GHG14 DD15 AT Exhaust Gas Recirculation Valve Actuator Pull Rod	



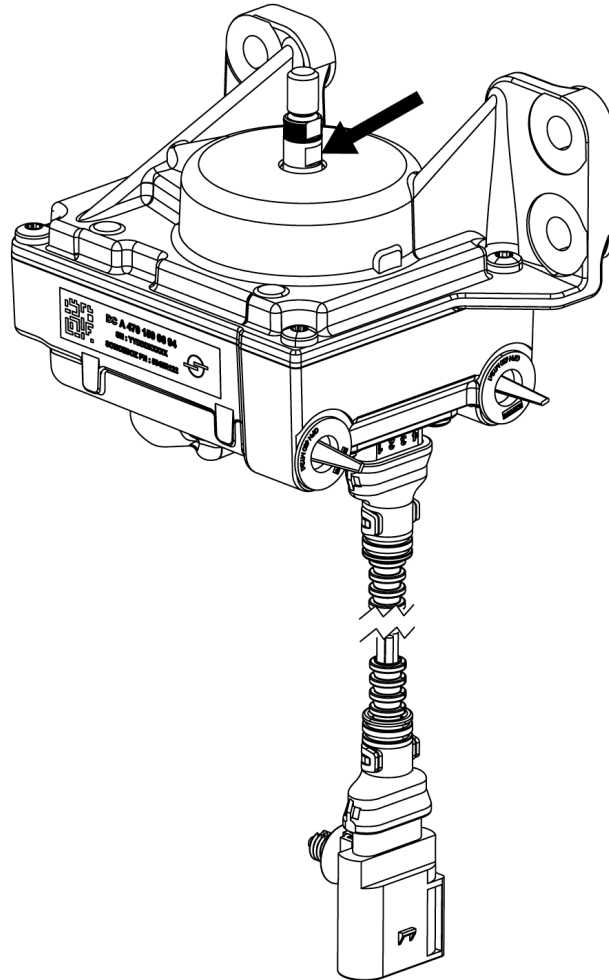
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## 2 Removal of the GHG14 DD15 AT Exhaust Gas Recirculation Valve Actuator Pull Rod

Remove as follows:

**NOTE:** The end of the pull rod with the "V" attaches to the Exhaust Gas Recirculation (EGR) valve lever. The "V" is located on the top of the pull rod (Former) or on the side facing the rear of the engine (Current).

**NOTICE:** The EGR valve actuator shaft must be held still using a wrench when removing or installing the actuator lever or pull rod clamping nuts to avoid damage to the EGR valve actuator internal end stops.



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### **WARNING: PERSONAL INJURY**

To avoid injury before starting and running the engine, ensure the vehicle is parked on a level surface, parking brake is set, and the wheels are blocked.

**WARNING: PERSONAL INJURY**

To avoid injury from hot surfaces, wear protective gloves, or allow engine to cool before removing any component.

**WARNING: PERSONAL INJURY**

To avoid injury, never remove any engine component while the engine is running.

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

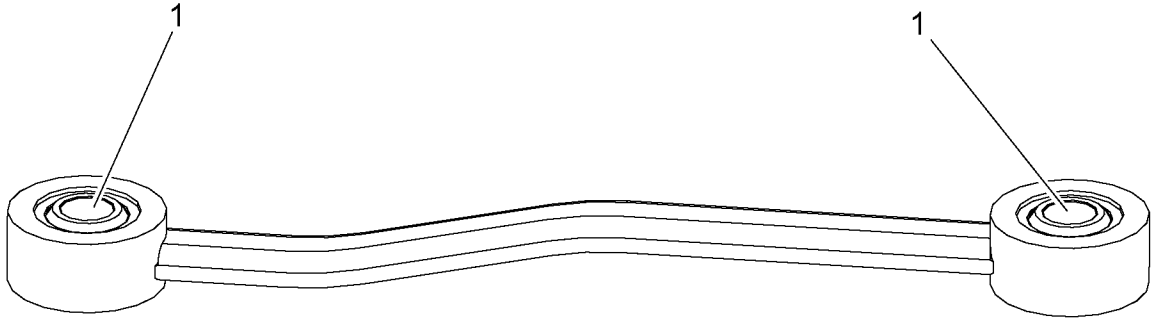
**NOTE:** During removal, do not lose the spacer on the EGR valve lever stud.

5. Loosen and remove the clamping nut from the EGR valve lever stud.
6. With the actuator pull rod still on the EGR valve lever stud, remove the clamping nut from the EGR valve actuator lever.
7. Remove the actuator pull rod.

### 3 Inspection of the GHG14 DD15 AT Exhaust Gas Recirculation Valve Actuator Pull Rod

Inspect as follows:

1. Inspect the Exhaust Gas Recirculation (EGR) valve actuator pull rod for binding or damage to either set of bearings (1).  
If damaged, replace the actuator pull rod.



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## 4 Installation of the GHG14 DD15 AT Exhaust Gas Recirculation Valve Actuator Pull Rod

Install as follows:

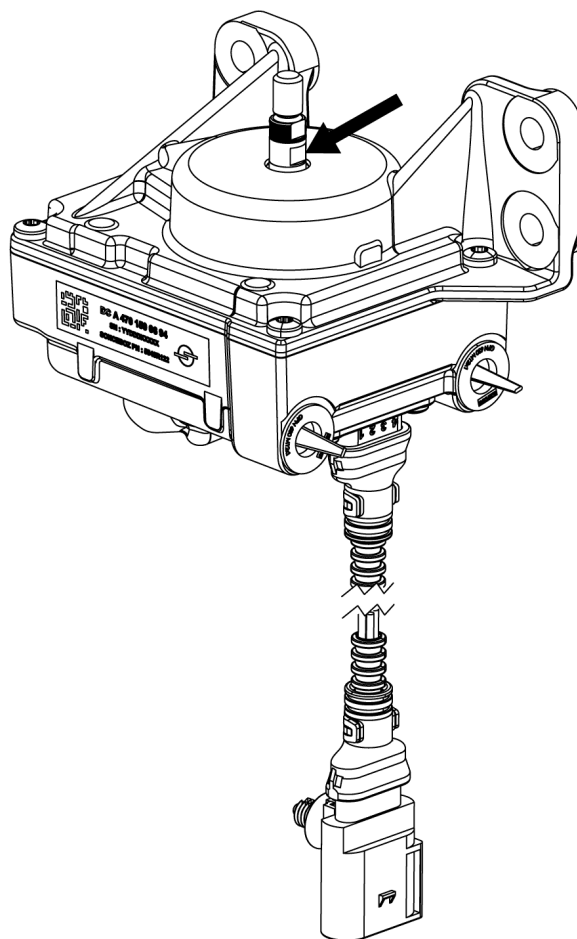
**NOTE:** The end of the pull rod with the "V" attaches to the Exhaust Gas Recirculation (EGR) valve lever. The "V" is located on the top of the pull rod (Former) or on the front facing towards the rear of the engine (Current).

1. Install the EGR actuator valve pull rod on the EGR valve lever with the spacer between the pull rod and the lever.
2. Install the EGR pull rod onto the EGR valve actuator lever.

**NOTICE:** Ensure the nut used to attach the pull rod to the levers has a 12mm hexagon pattern. A larger 13mm hexagon pattern nut will cause damage to the pull rod bearing.

**NOTICE:** The EGR valve actuator shaft must be held still using a wrench when removing or installing the actuator lever or pull rod clamping nuts to avoid damage to the EGR valve actuator internal end stops.

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 clamping nut threads. Make sure that the anti-seize is applied only to the threads and does not get on the pull rod bearings. Install and torque to 20 N·m (15 lb·ft).



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4. Install the heat shield covering the turbo outlet pipe. Torque bolts to 12 N·m (9 lb·ft).
5. Install the exhaust manifold heat shield covering the EGR hot pipe. Torque bolts to 12 N·m (9 lb·ft).