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Service Information Bulletin

SUBJECT	DATE
DD13 Exhaust Gas Recirculation Valve Actuator Pull Rod	May 2015

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0083	DD Platform	Removal of the Exhaust Gas Recirculation Valve Actuator Pull Rod	Several new Notes, Notices, and step revisions.
		Inspection of DD13 Exhaust Gas Recirculation Valve Actuator Pull Rod	
		Installation of the DD13 Exhaust Gas Recirculation Valve Actuator Pull Rod	



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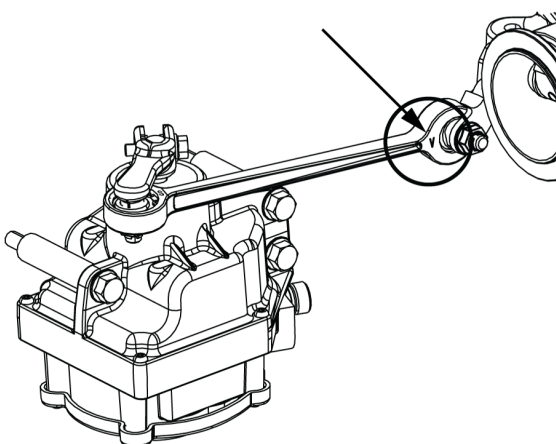
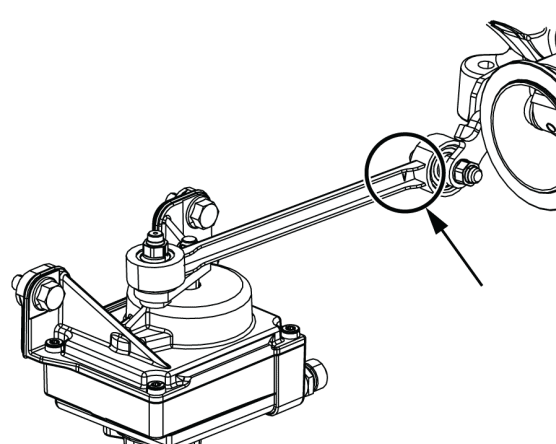
2 Removal of the Exhaust Gas Recirculation Valve Actuator Pull Rod

Remove as follows:

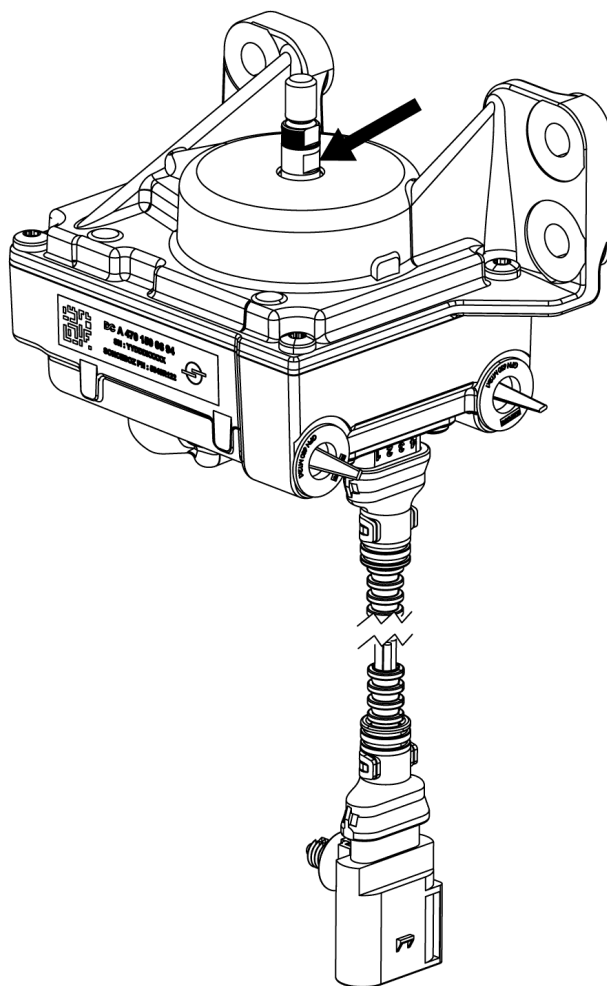
NOTE: Three actuator pull rod designs are in use. The actuator pull rods are interchangeable.

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 away from the engine block (Current).

Table 1.

 <p style="text-align: right;">d140350</p>	 <p style="text-align: right;">d140478</p>
Former Style Pull Rod (Cast Aluminum)	Current Style Pull Rod (Stamped Stainless Steel)

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.



d140494

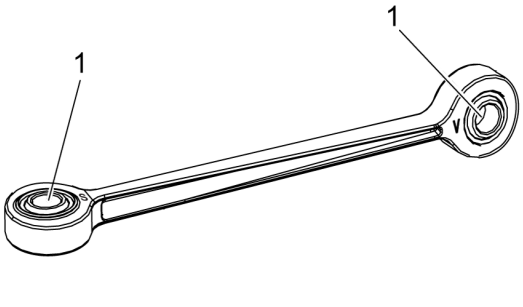
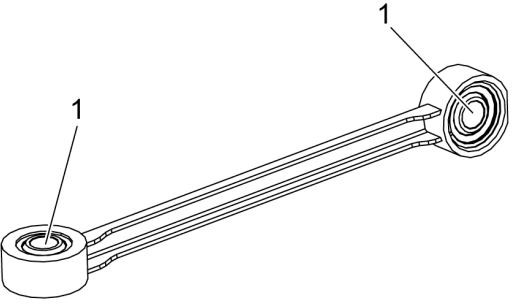
1. Shut off the engine, apply the parking brake, chock the wheels, and perform any other applicable safety steps.
2. Mark actuator pull rod in relation to EGR valve actuator for proper assembly.
3. Loosen and remove clamping nut from EGR valve linkage stud.
4. With actuator pull rod still on EGR valve linkage stud, remove clamping nut from EGR actuator linkage.
5. Remove the actuator pull rod.

3 Inspection of DD13 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.

Table 2.

 <p style="text-align: right;">d140352</p>	 <p style="text-align: right;">d140479</p>
Former Style Pull Rod (Cast Aluminum)	Current Style Pull Rod (Stamped Stainless Steel)

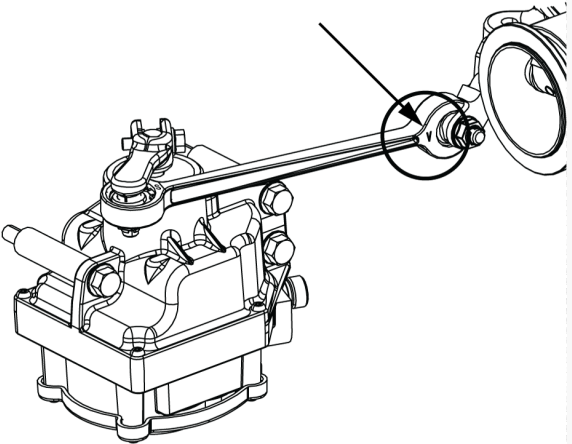
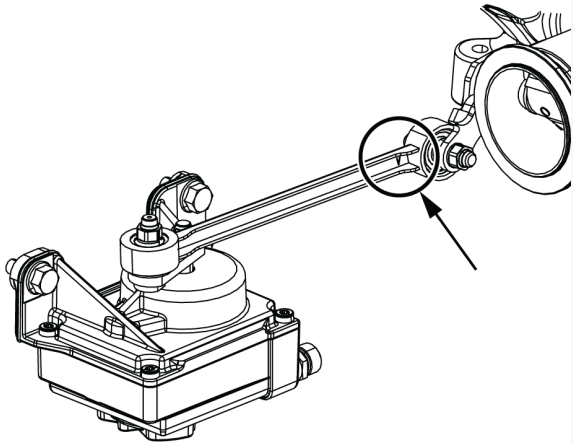
4 Installation of the DD13 Exhaust Gas Recirculation Valve Actuator Pull Rod

Install as follows:

NOTE: Three actuator pull rod designs are in use. The actuator pull rods are interchangeable.

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 away from the engine block (Current).

Table 3.

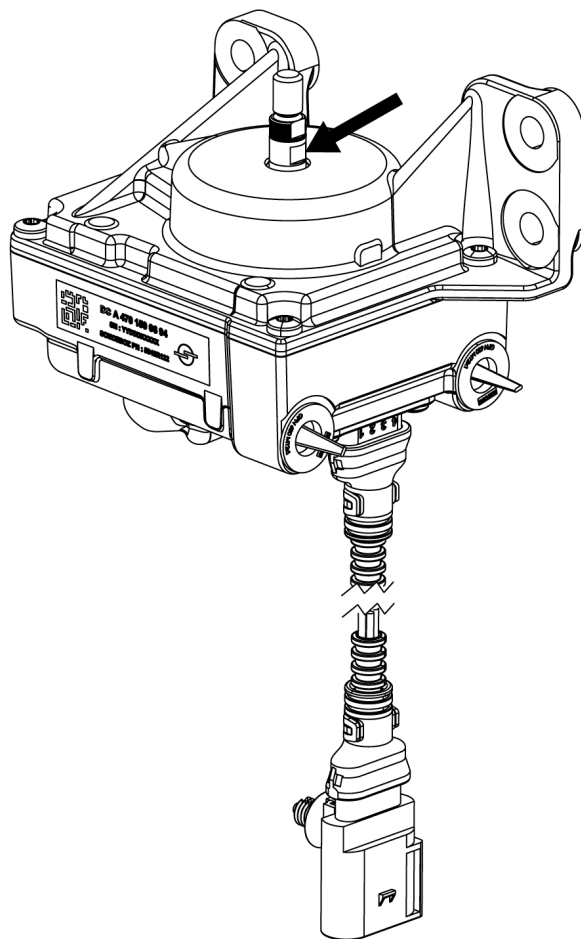
 <p style="text-align: right;">d140350</p>	 <p style="text-align: right;">d140478</p>
Former Style Pull Rod (Cast Aluminum)	Current Style Pull Rod (Stamped Stainless Steel)

NOTICE: Ensure the clamping 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.

1. Shut off the engine, apply the parking brake, chock the wheels, and perform any other applicable safety steps.
2. Install the EGR valve actuator pull rod on the EGR valve lever and the EGR valve actuator lever.

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 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 the clamping nuts to 20 N·m (15 lb·ft).



d140494