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Service Information Bulletin

SUBJECT	DATE
GHG17 Testing of the DD13 EGR Cooler Water Manifold Assembly - In Chassis	January 2019

Additions, Revisions, or Updates

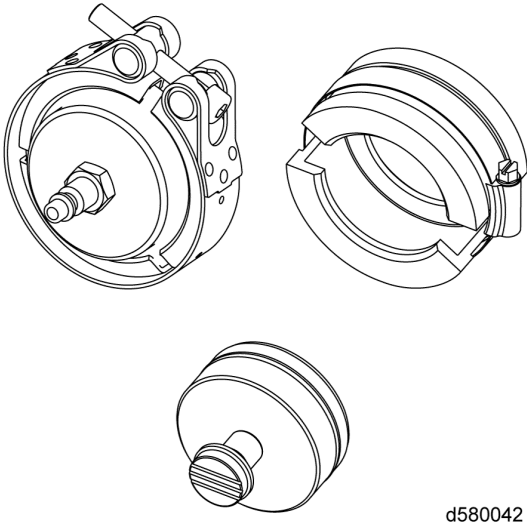
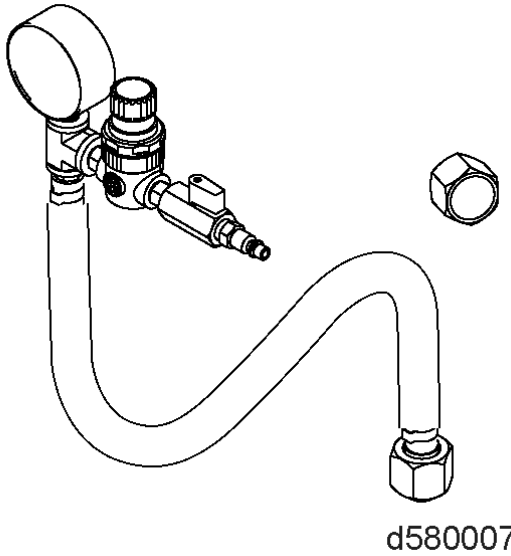
Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0190	GHG17 Heavy Duty	Testing of the DD13 EGR Cooler Water Manifold Assembly - In Chassis	New GHG17 HD procedures



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2 Testing of the DD13 Exhaust Gas Recirculation Cooler Water Manifold Assembly - In Chassis

Table 1.

Service Tools Used in the Procedure		
Tool Number	Description	Tool Graphic
W470589019100	EGR Cooler Leak Tester (DD13/DD15/DD16)	 d580042
DSN930E16002	Heavy Duty Engine EGR Cooler Test Plug	
J-41473	Use Air Regulator Only	 d580007
J-47192		
J-48710		

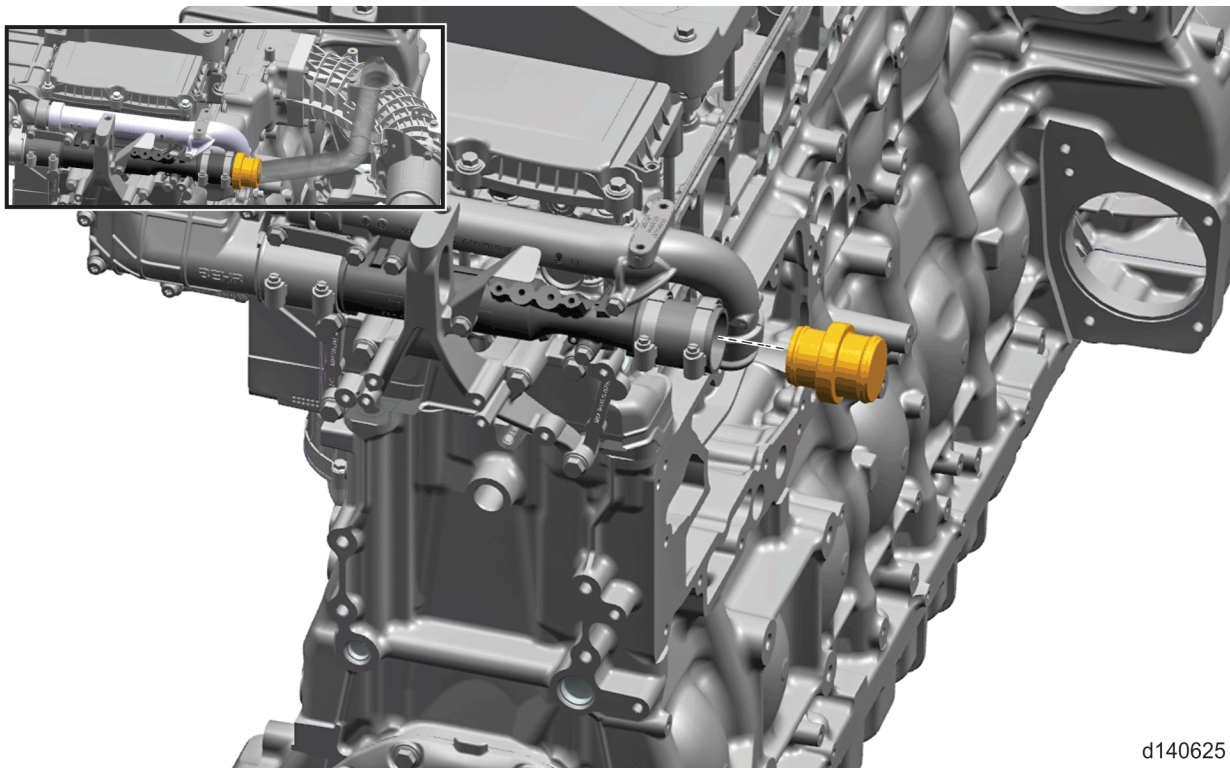
Test as follows:

NOTE: Before performing this procedure, turn off the engine and allow it to cool; coolant should be below 60°C (140°F).

**WARNING: PERSONAL INJURY**

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

1. Shut off the engine, apply the parking brake, chock the wheels, and perform any other applicable safety steps.
2. Remove the Exhaust Gas Recirculation (EGR) hot pipe. Refer to section "Removal of the Exhaust Gas Recirculation Hot Pipe".
3. Remove the mixer pipe. Refer to section "Removal of the Mixer Pipe".
4. Install special tool W470589019100 onto the hot side inlet of the EGR cooler.
5. Install special tool DSN930E16002 into the connecting boot of the EGR venturi as shown below. Using existing clamp, torque from 3.0 to 3.5 N·m (26.5 to 31 lb·in.).



d140625

6. Using regulator from kit J-41473, J-47192 or J-48710, apply 207 kPa (30 psi) regulated air pressure to the EGR cooler. Close the valve and disconnect the air supply.
7. Spray a soapy water mixture around both inlet and outlet connections at the EGR cooler. Verify no bubbles are coming from the tool connections.
8. Wait two minutes and record the air gauge reading. There should be no drop in pressure. If the EGR cooler water manifold assembly is leaking, it should be replaced. Refer to section "Removal of the DD13 Exhaust Gas Recirculation Cooler Water Manifold Assembly".