

1 04 13-17



Service Information Bulletin

SUBJECT	DATE
Front Engine Lifting Bracket (New Cascadia)	April 2017

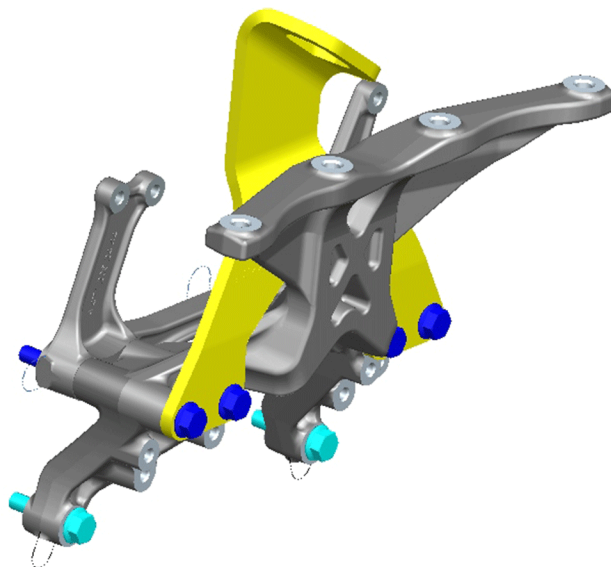
Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0190	GHG17 Heavy Duty Platform (New Cascadia)	Description and Operation of the Front Engine Lifting Bracket (New Cascadia)	New Section for New Cascadia. Revised for the New Cascadia front engine lifting bracket design.
		Removal of the Front Engine Lifting Bracket (New Cascadia)	
		Inspection of the Front Engine Lifting Bracket (New Cascadia)	
		Installation of the Front Engine Lifting Bracket (New Cascadia)	



13400 Outer Drive, West, Detroit, Michigan 48239-4001
 Telephone: 313-592-5000
www.demanddetroit.com

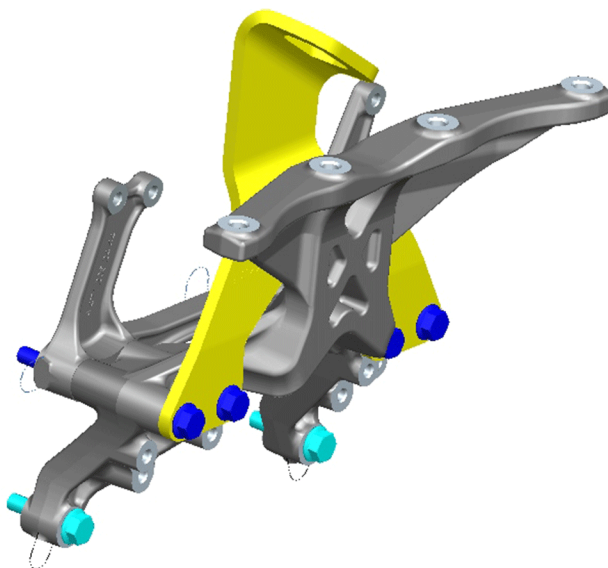
2 Description and Operation of the Front Engine Lifting Bracket (New Cascadia)



d220007

The front engine lifting bracket is utilized when removing or installing an engine. The front engine lifting bracket is bolted to the cylinder head in conjunction with the engine cooling package support bracket and Exhaust Gas Recirculation (EGR) venturi support bracket. The exhaust gas venturi pipe and coolant crossover tube are mounted to the EGR venturi support bracket and fit behind the front engine lifting bracket.

3 Removal of the Front Engine Lifting Bracket (New Cascadia)



d220007

Remove as follows:

**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. Open the hood.

**CAUTION: ELECTRICAL SHOCK**

To avoid injury from electrical shock, use care when connecting battery cables. The magnetic switch studs are at battery voltage.

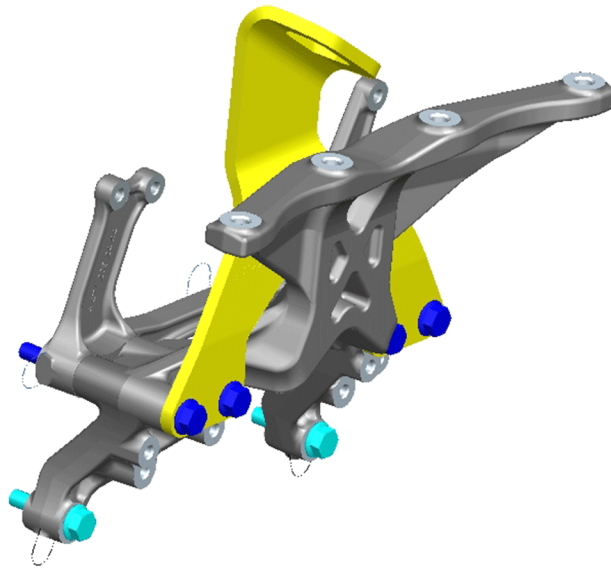
3. Disconnect batteries. Refer to Original Equipment Manufacturer (OEM) procedures.
4. If needed, remove the bumper. Refer to OEM procedures.
5. Remove the front engine lifting bracket.

4 Inspection of the Front Engine Lifting Bracket (New Cascadia)

Inspect as follows:

1. Inspect the lifting brackets for cracks, bending, or other damage. Replace the bracket if any of these conditions exist.

5 Installation of the Front Engine Lifting Bracket (New Cascadia)



d220007

Install as follows:

1. If a front engine lifting bracket is not installed on the unit, remove the four mounting bolts and discard the spacers.

NOTE: Mounting bolts are M10 X 120 mm (Thread pitch 1.5).

2. Install the front engine lifting bracket and mounting bolts. Hand-tighten the bolts.
3. Torque the mounting bolts to 60 N·m (44 lb·ft).
4. Mark each mounting bolt with a paint marker after installation.
5. If removed, install the bumper. Refer to OEM procedures.



CAUTION: ELECTRICAL SHOCK

To avoid injury from electrical shock, use care when connecting battery cables. The magnetic switch studs are at battery voltage.

6. Connect the batteries. Refer to OEM procedures.
7. Close the hood.