Transmission Oil Cooler Piping Revision

M-491-002

(February 2009)

Valid for

All CXU,CHU,GU,MRU,LEU with Generation 4 Allison Transmission

Case description

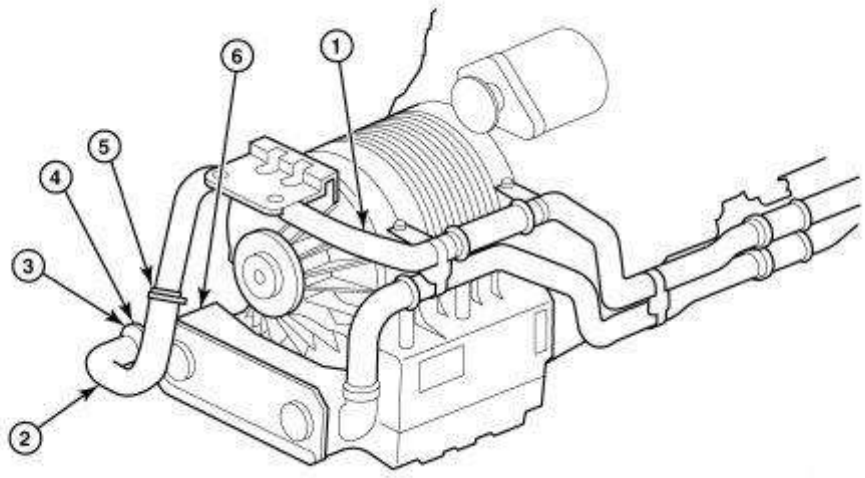
On current production MACK chassis equipped with either an MP7 or MP8 engine and a Generation 4 Allison automatic transmission, the transmission oil cooler coolant supply piping arrangement may prevent installation of a driveshaft to an accessory pump with the transmission-mounted PTO located in the 8 o'clock position (left-hand side of transmission when viewed from the rear). To eliminate this condition, components for a revised coolant supply piping arrangement are available through the MACK Parts System. Installation of this revised piping arrangement requires that the transmission oil cooler elbow be removed and rotated 90 degrees to the rear, and that the existing transmission oil temperature sensor be removed and replaced with a sensor having a pigtail harness.

Note: Not applicable to Mack Trucks Australia.

Parts

Refer to the following illustrations and tables for a listing of the required parts.

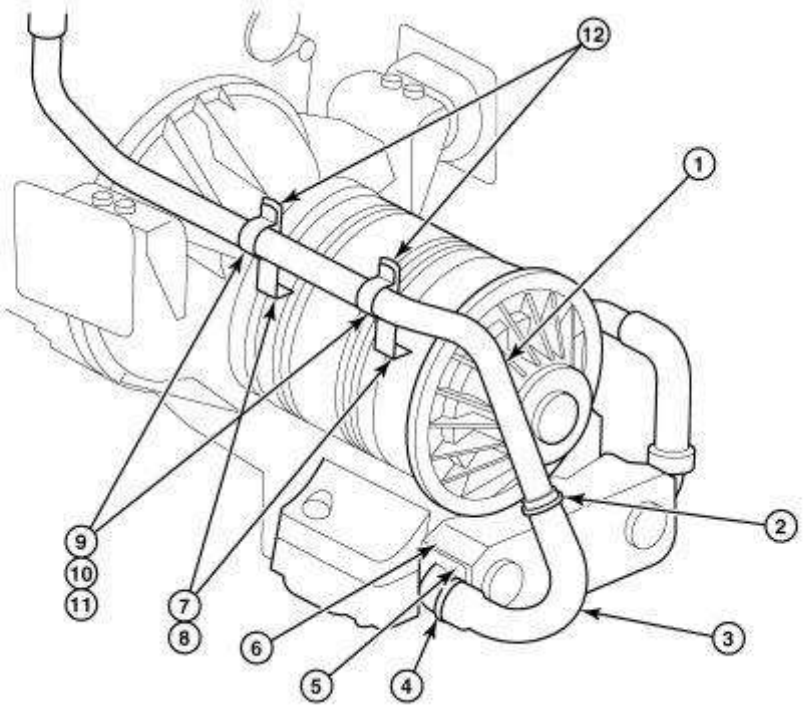
Revised Transmission Oil Cooler Piping — CXU, CHU and GU Models



Key	Qty.	Part number	Description
1	1	21158076	Pipe, coolant
2	1	21158054	Hose (silicone), coupling
	1	21292506	Hose (EPDM), coupling
3	1	20840154	Clamp, hose, 80 mm
4	1	120MF343M	Gasket, cooler elbow

5	1	20808640	Clamp, hose, 70 mm
6	1	82213601	Sensor, transmission temperature

Revised Transmission Oil Cooler Piping Arrangement — MRU and LEU Models



Key	Qty.	Part number	Description
1	1	21160465	Pipe, coolant
2	1	20808640	Clamp, hose, 70 mm
3	1	21158054	Hose (silicone), coupling
	1	21292506	Hose (EPDM), coupling
4	1	20840154	Clamp, hose, 80 mm
5	1	120MF343M	Gasket, cooler elbow
6	1	82213601	Sensor, transmission temperature
7	2	965225	Flange screw, M12 x 1.75 - 35 mm long
8	2	969317	Locknut, flanged, M12 x 1.75
9	2	339637	U-clamp, coolant pipe mounting
10	2	946173	Flange screw, M8 x 1.25–20 mm long
11	2	948645	Locknut, flanged, M8 x 1.25
12	2	21160473	Bracket, coolant pipe mounting

Issued by

Technical Service

Mack Trucks, Inc. engages in a continuous program of testing and evaluating to provide the best possible product. Mack Trucks, Inc., however, is not committed to, or liable for updating existing chassis.