

1 6 08-13



Service Information Bulletin

SUBJECT	DATE
High Pressure Fuel Flange-Two-Filter System	June 2013

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0082	DD Platform	Removal of the High Pressure Fuel Flange - Two-Filter System	Added note and step 7 for gaskets on the KM63 GEN2 system.
		Installation of the High Pressure Fuel Flange – Two-Filter System	Added step 2 for gaskets on the KM63 GEN2 system.



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

2 Removal of the High Pressure Fuel Flange - Two-Filter System

Remove as follows:

NOTE: KM59 GEN1 fuel filter module return lines are secured to the module with banjo bolts.

NOTE: KM63 GEN2 fuel filter module return lines are secured to the module with a mounting plate attached to the Pressure Limiting Valve (PLV) return line.

1. Clean the housing on the high pressure fuel pump.
2. Remove the two bolts (3) holding the high pressure pump inlet (5) and outlet (4) fuel lines to the high pressure fuel flange (7).

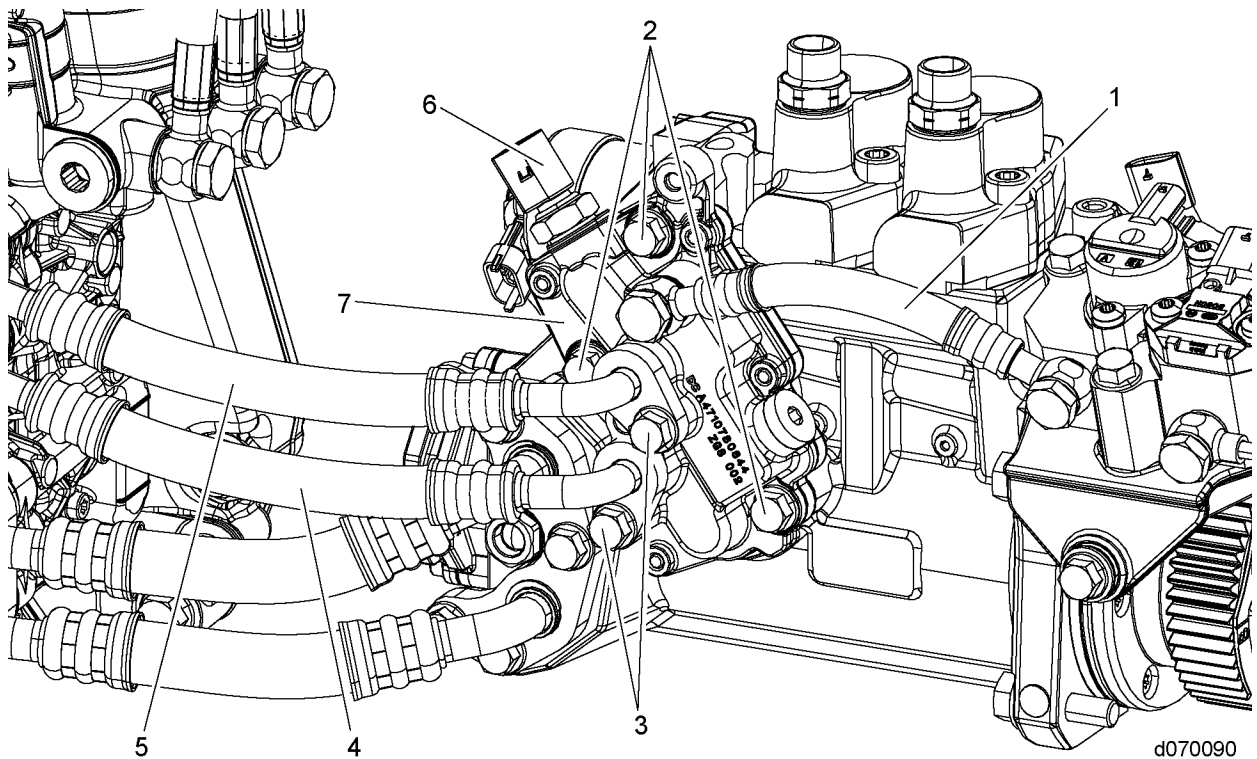
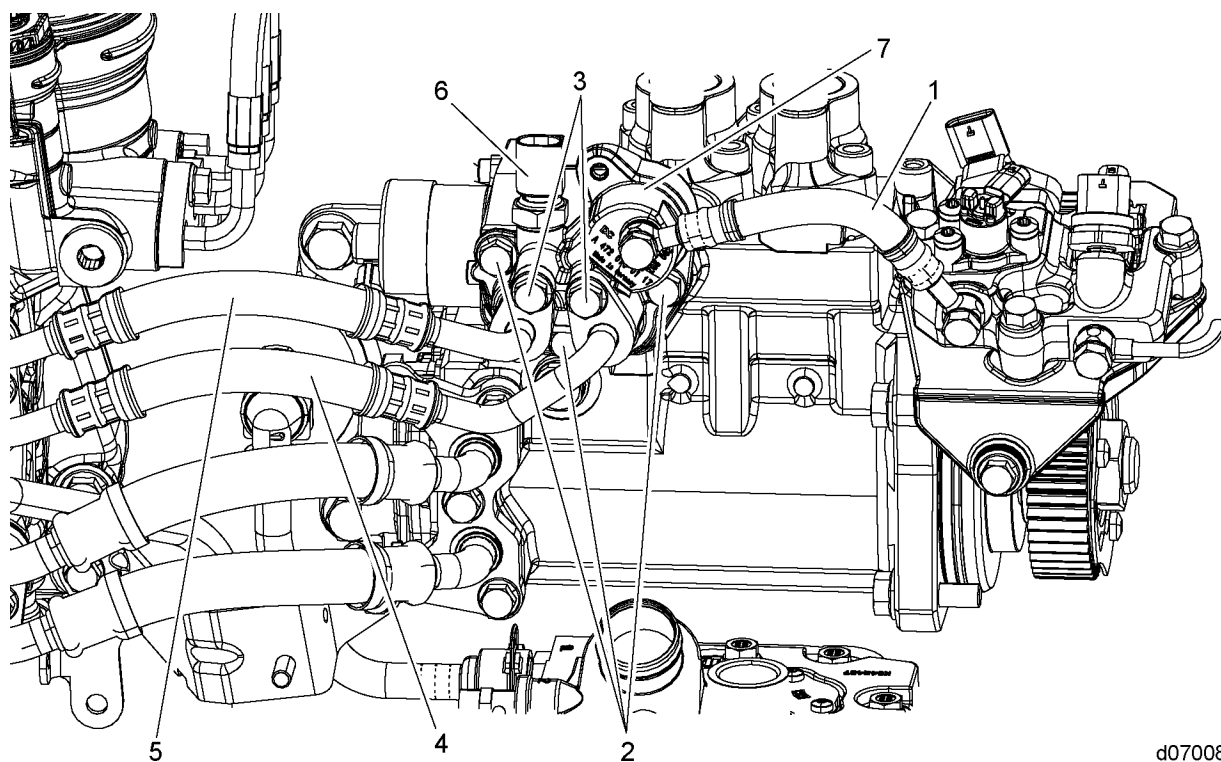


Figure 1. KM59 GEN1 High Pressure Flange Location



d070089

Figure 2. KM63 GEN2 High Pressure Flange Location

3. Remove high pressure pump inlet (5) and outlet (4) fuel lines from the high pressure fuel flange (7) and discard the O-rings.
4. Remove doser fuel supply line (1) from the high pressure fuel flange (7) and discard the sealing washers.
5. Disconnect the fuel temperature sensor connector (6); remove the fuel temperature sensor wiring harness from the high pressure fuel flange (7) and position aside the wiring harness.
6. Remove three bolts (2) securing the high pressure fuel flange (7) to high pressure pump.

NOTE: KM59 GEN1 high pressure fuel flange sealing gaskets are re-usable and can not be removed from the high pressure fuel flange.

7. For KM63 GEN2 fuel system remove and discard the sealing gaskets from the high pressure fuel flange.

3 Installation of the High Pressure Fuel Flange – Two-Filter System

Install as follows:

NOTE: KM59 GEN1 fuel filter module return lines are secured to the module with banjo bolts.

NOTE: KM63 GEN2 fuel filter module return lines are secured to the module with a mounting plate attached to the PLV return line.

1. Clean the high pressure flange surface and mating fuel pump surface.
2. For KM63 GEN2 fuel system, install new sealing gaskets on to the high pressure fuel flange.
3. Install the high pressure fuel flange (7) onto the high pressure pump. Torque to 30 N·m (22 lb·ft).

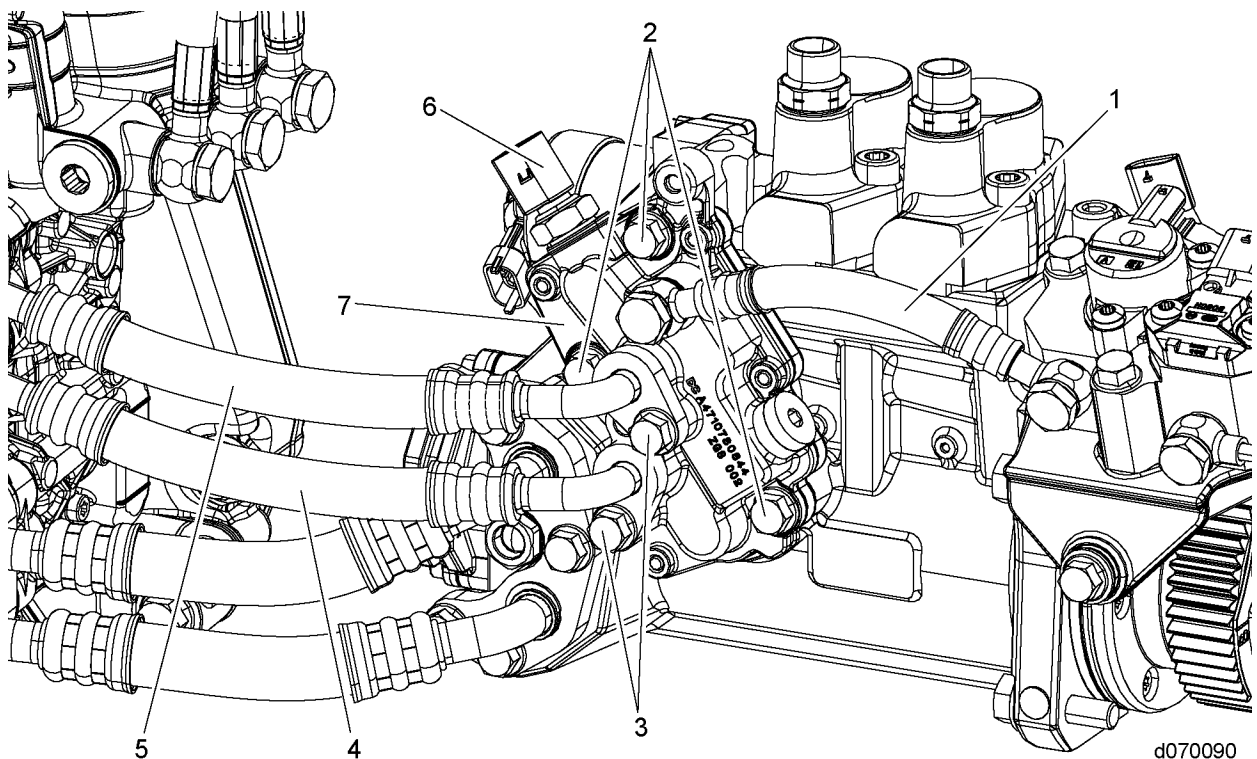
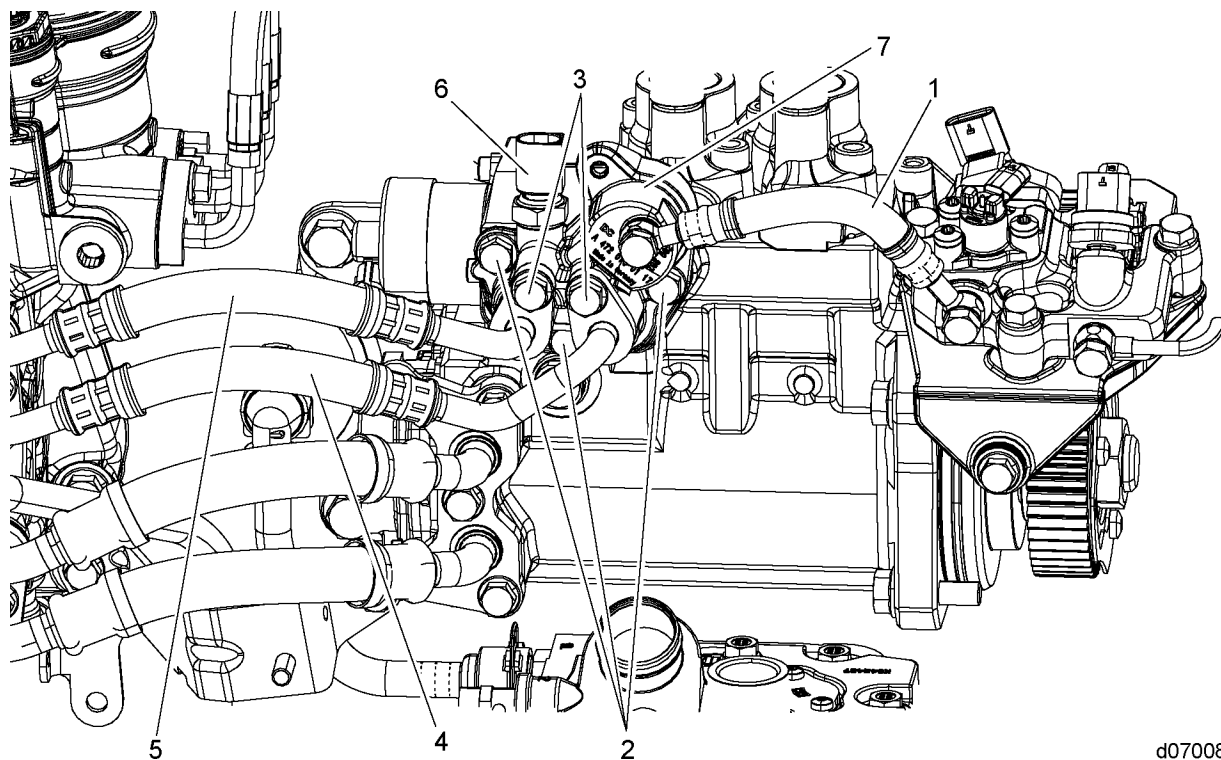


Figure 3. KM59 GEN1 High Pressure Flange Location



d070089

Figure 4. KM63 GEN2 High Pressure Flange Location

4. Connect the fuel temperature sensor connector (6) and install the fuel temperature sensor wiring harness on to the high pressure fuel flange.
5. Install the doser fuel supply line (1) with new sealing washers on to the high pressure fuel flange (7).
For KM59 GEN1 Torque to 25 N·m (18 lb·ft).
For KM63 GEN2 Torque to 15 N·m (11 lb·ft).
6. Install new O-rings on to the high pressure pump inlet (5) and outlet (4) fuel lines.
7. Install the high pressure pump inlet (5) and outlet (4) fuel lines. Torque to 30 N·m (22 lb·ft).