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Service Information Bulletin

SUBJECT	DATE
Low Pressure Fuel Pump – Two-Filter Fuel System	May 2013

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0082	DD Platform	Inspection of the Low Pressure Fuel Pump - Two-Filter System	Note added before step 4 and updated step 6 for the KM63 GEN2.



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2 Inspection of the Low Pressure Fuel Pump - Two-Filter System

Inspect as follows:

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

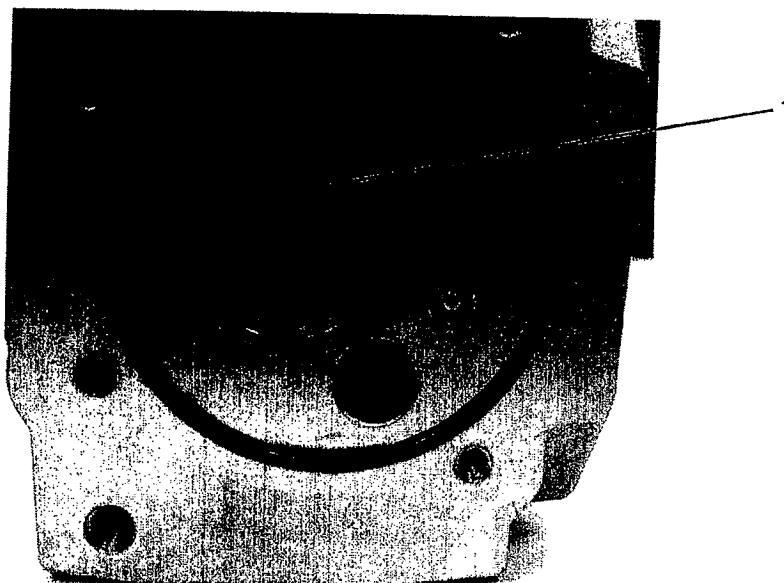
NOTE: KM63 GEN2 fuel filter module return lines are secured to the module with a mounting plate attached to the Pressure Limiting Valve (PLV) return line.

1. Remove the low pressure fuel pump from the high pressure fuel pump. Refer to section "Removal of the Low Pressure Fuel Pump - Two-Filter System".
2. Visually inspect the drive key (1) on the high pressure fuel pump for damage. If damage is found, replace the high pressure fuel pump.
 - a. The illustration shown below is a KM59 GEN1 Low Pressure Fuel Pump Drive Key.



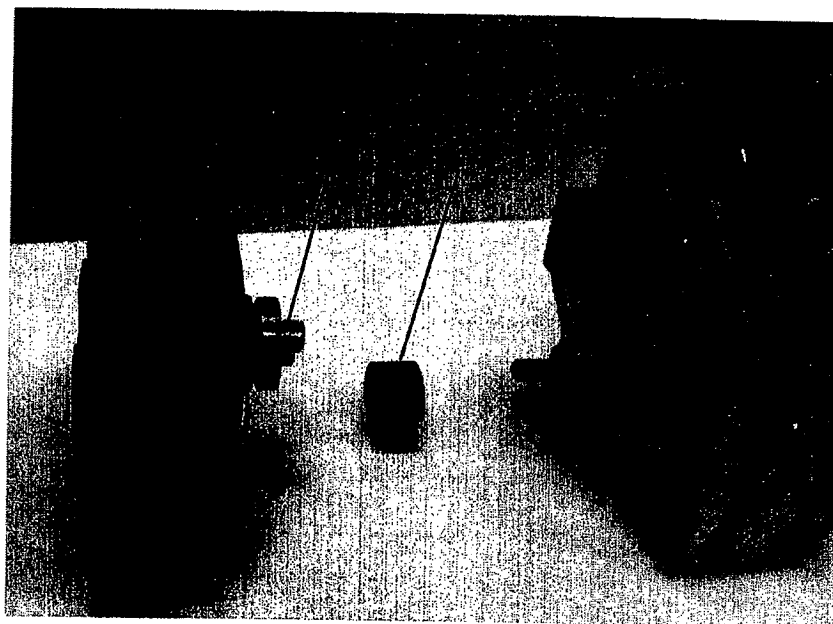
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- b. The illustration shown below is a KM63 GEN2 Low Pressure Fuel Pump Drive Key.



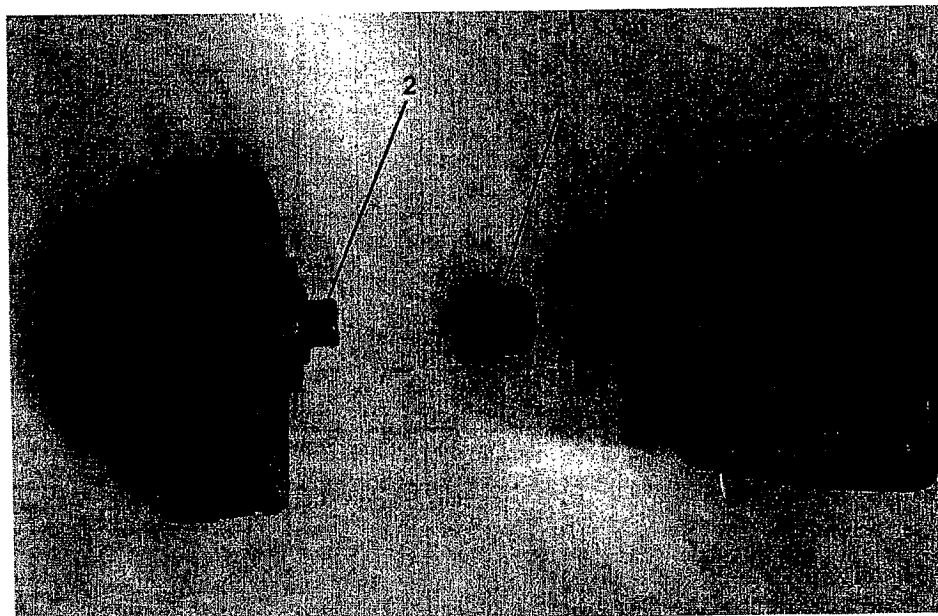
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3. Visually inspect the drive coupler (1) and driven key (2) for damage. If damage is found, replace the high pressure fuel pump.
- a. The illustration shown below is a KM59 GEN1 Low Pressure Fuel Pump Coupling.



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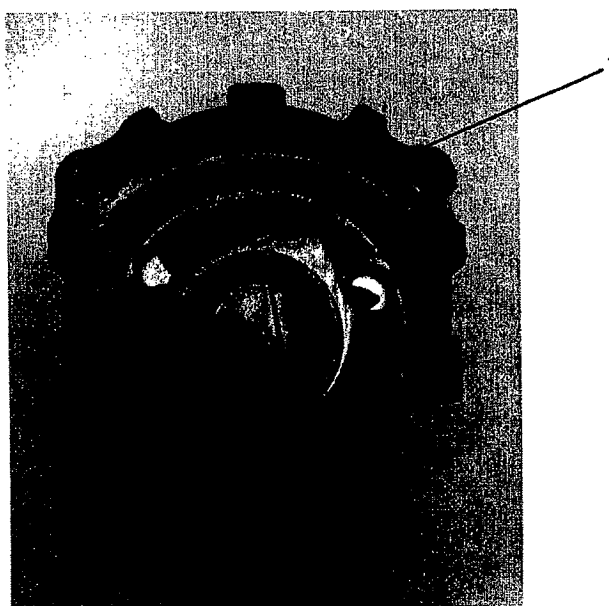
- b. The illustration shown below is a KM63 GEN2 Low Pressure Fuel Pump Coupling.



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NOTE: For KM63 GEN2 only, the low pressure fuel pump **MUST** be replaced every time the fuel pump is disassembled for inspection. The purpose of inspecting the KM63 GEN2 low pressure fuel pump is to verify the fuel pump has failed.

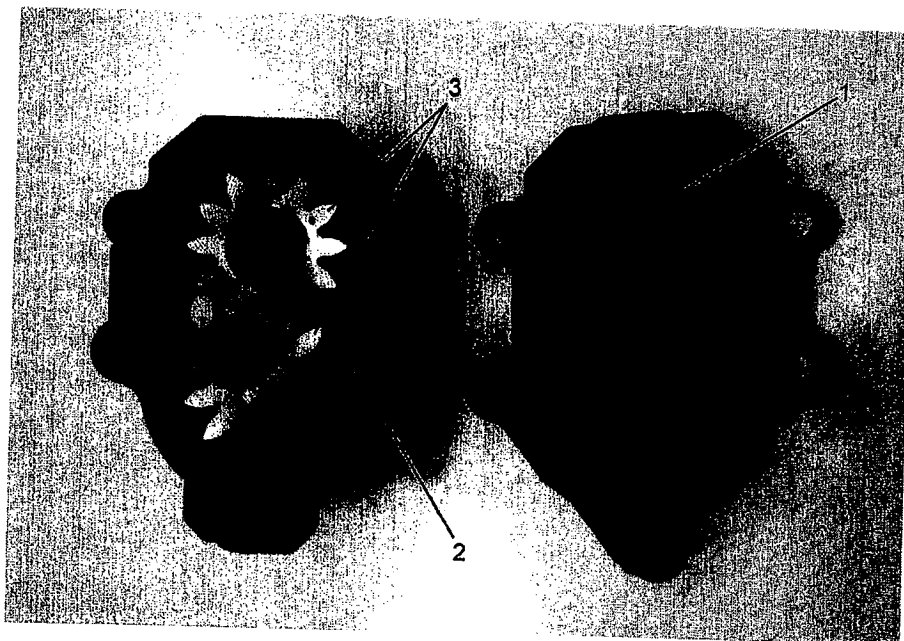
4. For KM63 GEN2, remove the low pressure fuel pump housing half bolt (1).
 - a. The illustration shown below is a Low Pressure Fuel Pump Housing Half Bolt.



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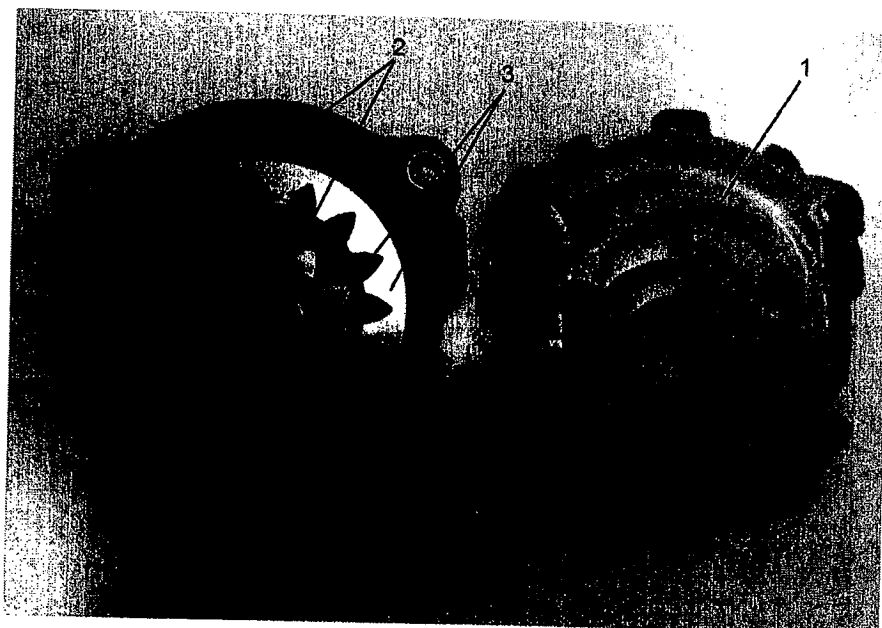
5. Remove the low pressure fuel pump housing half from the low pressure fuel pump housing.
6. Visually inspect the low pressure fuel pump housing half (1), low pressure fuel pump housing (2) and low pressure fuel pump gears (3) for damage. If damage is found, replace the low pressure fuel pump. For KM59 GEN1, if no damage is found, install the low pressure fuel pump housing half back on to the low pressure fuel pump housing. For KM63 GEN2, if no damage is found, replace the low pressure fuel pump.

a. The illustration shown below is a KM59 GEN1 Low Pressure Fuel Pump Half.



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b. The illustration shown below is a KM63 GEN2 Low Pressure Fuel Pump Half.



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2 Inspection of the Low Pressure Fuel Pump - Two-Filter System

7. Install the low pressure fuel pump on to the high pressure fuel pump. Refer to section "Installation of the Low Pressure Fuel Pump - Two-Filter System".