

Chassis ID	Path
	4319/Repair//Oil pump, overhaul. Removed
Model	Identity
FH12	89787616
Publish date	ID/Operation
21/02/06	43141-5

43141-5 Oil pump, overhaul

Removed

Special tools: 9999696

Other special equipment: 9989876

1



Check the end float on the pump element shaft.

If the end float exceeds, 0.20 mm the complete pump must be changed.

Max 0.20 mm

Special tools: 9999696

Other special equipment: 9989876

2

Turn the pump over, and remove screws and lid.

3



Use a feeler gauge to check the play between the pump elements.
If the play exceeds, 0.20 mm the complete pump must be changed.

Max 0,20 mm

4
Remove the pump element from the housing.
Check that the pump element is securely located on the shaft and is undamaged.

5



Remove both bypass valves.

Note: Note the mutual locations of the bypass valves.

6
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Clean and check whether the housing is damaged. The valve ball seats in the bypass valve must not be damaged, check the O-ring seats as well.

Check spring length. New springs are 28.3 mm and 68.8 mm long, minimum acceptable lengths are 28.0 mm and 68.0 mm long. If the housing is damaged, change the complete pump.

7

Oil in and place the pump element in the housing, fit the cover. Torque tighten the screws, 10 ± 1.5 Nm.

Specifications:

10 ± 1.5 Nm

8

Oil and install the two by-pass valves and their springs, as marked. Install and torque the plugs, 45 ± 5 Nm.

Specifications:

45 ± 5 Nm