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SERVICE INFORMATION

GENERAL

ACAUTION

Used engine oil may cause skin cancer if repeatedly left in contact with the skin for prolonged periods. Although this is unlikely unless you handle used oil on a daily basis, it is still advisable to thoroughly wash your hands with soap and water as soon as possible after handling used oil.

- The oil pump can be serviced with the engine installed in the frame.
- The service procedures in this section must be performed with the engine oil drained.
- When removing and installing the oil pump, use care not to allow dust or dirt to enter the engine.
- If any portion of the oil pump is worn beyond the specified service limits, replace the oil pump as an assembly.
- After the oil pump has been installed, check that there are no oil leaks.

SPECIFICATIONS

ITEM		STANDARD	SERVICE LIMIT
Engine oil capacity	After draining	0.7 liter (0.7 US qt, 0.6 lmp qt)	-
	After disassembly	0.8 liter (0.8 US qt, 0.7 lmp qt)	-
Recommended engine oil		API service classification: SG or higher (except oils labeled as energy conserv- ing on the circular API service label) Viscosity: SAE 10W-30 JASO T 903 standard: MB	-
Oil pump rotor	Tip clearance	0.15 (0.006)	0.20 (0.008)
	Body clearance	0.15 - 0.21 (0.006 - 0.008)	0.35 (0.014)
	Side clearance	0.05 - 0.10 (0.002 - 0.004)	0.12 (0.005)

TORQUE VALUES

Oil pump plate screw Oil pump mounting bolt 3 N·m (0.31 kgf·m, 2.2 lbf·ft) 10 N·m (1.0 kgf·m, 7 lbf·ft)

TROUBLESHOOTING

Engine oil level too low

- Oil consumption
- External oil leak
- Worn piston rings or incorrect piston ring installation (page 10-7)
- Worn cylinder (page 10-4)
- Worn valve guide or seal (page 9-14)

Oil contamination

- Oil not changed often enough
- Faulty cylinder head gasket
- Worn piston rings (page 10-7)