



SERVICE INFORMATION	13-1
TROUBLESHOOTING	13-2
FINAL DRIVE REMOVAL	13-3
DRIVE SHAFT	13-3
UNIVERSAL JOINT	13-6
FINAL DRIVE GEAR	13-7
FINAL DRIVE INSTALLATION	13-19

SERVICE INFORMATION

GENERAL

- The final drive gear assembly must be removed together with the drive shaft.
- Replace all oil seals and O-rings whenever the final drive gear assembly is disassembled.
- Check gear tooth contact pattern and gear backlash when the bearing, gear set and/or gear case has been replaced.

SPECIFICATIONS

		STANDARD	SERVICE LIMIT
Final gear oil	Capacity	150 cc (5.07 oz)	—
	Recommended oil	Hypoid-gear oil API, GL-5 SAE #80	—
Gear backlash		0.08–0.18 mm (0.003–0.007 in)	0.30 mm (0.012 in)
Gear assembly preload		0.2–0.4 N·m (2–4 kg-cm, 1.7–2.9 in-lb)	—
Damper case oil capacity		20 cc (0.71 oz)	—
Damper cam spring free length		53 mm (2.1 in)	51.5 mm (2.03 in)
Ring gear-to-stop pin clearance		0.3–0.6 mm (0.01–0.02 in)	—

TORQUE VALUES

Pinion bearing retainer	100–120 N·m (10.0–12.0 kg-m, 72–87 ft-lb)
Pinion nut	100–120 N·m (10.0–12.0 kg-m, 72–87 ft-lb)
Gear case cover bolt 10 mm (locking agent)	45–50 N·m (4.5–5.0 kg-m, 32–36 ft-lb)
8 mm	23–28 N·m (2.3–2.8 kg-m, 17–20 ft-lb)
Final gear case attaching nut	60–70 N·m (6.0–7.0 kg-m, 43–51 ft-lb)
Oil filler cap	10–14 N·m (1.0–1.4 kg-m, 7–10 ft-lb)
Oil drain plug	10–14 N·m (1.0–1.4 kg-m, 7–10 ft-lb)