

11. FRONT WHEEL/SUSPENSION/STEERING

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SERVICE INFORMATION

GENERAL

- This section covers maintenance of the front wheel, front fork, steering system and tire removal/repair.
- A jack or other support is required to support the ATC.

SPECIFICATIONS

ITEM		STANDARD	SERVICE LIMIT
Axle runout		—	0.5 mm (0.02 in)
Fork spring free length	Upper	113.5 mm (4.47 in)	109.4 mm (4.31 in)
	Lower	493.3 mm (19.42 in)	483.4 mm (19.03 in)
Fork tube runout		—	0.2 mm (0.01 in)
Wheel rim runout	Radial	—	4.0 mm (0.16 in)
	Axial	—	4.0 mm (0.16 in)
Fork oil capacity		290 cc (9.8 US oz, 10.2 Imp oz)	—

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TORQUE VALUES

Wheel nut		60–70 N•m (6.0–7.0 kg-m, 43–51 ft-lb)
Axle		70–110 N•m (7.0–11.0 kg-m, 51–80 ft-lb)
Axle holder nut		10–14 N•m (1.0–1.4 kg-m, 7–10 ft-lb)
Brake disc nut	'85:	20–30 N•m (2.0–3.0 kg-m, 15–22 ft-lb)
Brake disc bolt	After '85:	35–40 N•m (3.5–4.0 kg-m, 25–29 ft-lb)
Caliper bracket		20–30 N•m (2.0–3.0 kg-m, 15–22 ft-lb)
Fork socket bolt		15–25 N•m (1.5–2.5 kg-m, 11–18 ft-lb)
Fork tube cap		15–30 N•m (1.5–3.0 kg-m, 11–22 ft-lb)
Fork pinch bolt		18–25 N•m (1.8–2.5 kg-m, 13–18 ft-lb)
Fork boot band		0.6–1.2 N•m (0.06–0.12 kg-m, 0.4–0.9 ft-lb)
Steering bearing adjustment nut	Initial	25–35 N•m (2.5–3.5 kg-m, 18–25 ft-lb)
	Final '85:	7–8 N•m (0.7–0.8 kg-m, 5–6 ft-lb)
	Final After '85:	10–11 N•m (1.0–1.1 kg-m, 7–8 ft-lb)
Steering stem nut		90–120 N•m (9.0–12.0 kg-m, 65–87 ft-lb)