

10. FRONT WHEEL/SUSPENSION/STEERING

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SERVICE INFORMATION

GENERAL

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

SPECIFICATIONS

ITEM		STANDARD mm (in)	SERVICE LIMIT mm (in)
Front axle runout		0.3 (0.01)	0.5 (0.02)
Front wheel bearing play	Radial	—	0.05 (0.002)
	Axial	—	0.10 (0.004)
Front fork spring free length	'85:	Upper	76.2–82.2 (3.00–3.24)
		Lower	498.2–508.2 (19.61–20.01)
	AFTER '85:		575.2–586.8 (22.65–23.10)
Front fork tube runout		—	0.2 (0.008)
Front wheel rim runout	Radial	1.0 (0.04)	4.0 (0.16)
	Axial	1.0 (0.04)	4.0 (0.16)
Front fork oil capacity	'85:	400 cc (13.56 oz)	—
	AFTER '85:	465 cc (15.5 oz)	—

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TORQUE VALUES

Front brake master cylinder		10–14 N·m (1.0–1.4 kg·m, 7–10 ft·lb)
Front brake disc		25–30 N·m (2.5–3.0 kg·m, 18–22 ft·lb)
Front axle		70–110 N·m (7.0–11.0 kg·m, 51–80 ft·lb)
Axle holder		10–14 N·m (1.0–1.4 kg·m, 7–10 ft·lb)
Front brake caliper mounting bolt		24–30 N·m (2.4–3.0 kg·m, 17–22 ft·lb)
Front wheel nut		60–70 N·m (6.0–7.0 kg·m, 43–51 ft·lb)
Front 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)
Front fork pinch bolt		18–25 N·m (1.8–2.5 kg·m, 13–18 ft·lb)
Steering bearing adjustment nut	First	35–45 N·m (3.5–4.5 kg·m, 25–33 ft·lb)
	Second	36–38 N·m (3.6–3.8 kg·m, 26–28 ft·lb)
Steering stem nut		80–120 N·m (8.0–12.0 kg·m, 58–87 ft·lb)