

**FRONT WHEEL
BRAKE/SUSPENSION/STEERING****TORQUE VALUES**

Steering stem nut	80–120 N·m (8–12 kg-m, 58–87 ft-lb)
Fork top bridge pinch bolt	18–25 N·m (1.8–2.5 kg-m, 13–18 ft-lb)
Handlebar holder	18–30 N·m (1.8–3.0 kg-m, 13–22 ft-lb)
Steering stem pinch bolt	18–30 N·m (1.8–3.0 kg-m, 13–22 ft-lb)
Front axle	50–80 N·m (5.0–8.0 kg-m, 36–58 ft-lb)
Front axle shaft holder	10–14 N·m (1.0–1.4 kg-m, 7–10 ft-lb)
Headlight cover	3–6 N·m (0.3–0.6 kg-m, 2–4 ft-lb)
Fork cap bolt	15–30 N·m (1.5–3.0 kg-m, 11–22 ft-lb)
Spokes	2.5–5 N·m (0.25–0.5 kg-m, 1.7–3.6 ft-lb)
Rim lock	10–15 N·m (1.0–1.5 kg-m, 7–11 ft-lb)
Brake arm	8–12 N·m (0.8–1.2 kg-m, 6–9 ft-lb)

TROUBLESHOOTING**Hard Steering**

1. Steering stem nut too tight
2. Faulty steering stem bearings
3. Damaged steering stem bearing
4. Insufficient tire pressure

Steers to One Side or Does Not Track Straight

1. Bent front forks
2. Bent front axle, wheel installed incorrectly
3. Unequal air pressure in each fork tube.
4. Unequal oil quantity in each fork tube.

Front Wheel Wobbling

1. Distorted rim
2. Worn front wheel bearing
3. Distorted spokes
4. Faulty tire
5. Axle not tightened properly

Soft Suspension

1. Weak fork springs
2. Insufficient fluid in front forks
3. Incorrect fork air pressure

Hard Suspension

1. Incorrect fluid weight in front forks
2. Incorrect fork air pressure
3. Fork tube bent

Front Suspension Noise

1. Slider binding
2. Insufficient fluid in forks
3. Loose front fork fasteners

Improper Brake Performance

1. Incorrect adjustment of lever
2. Brake shoes contaminated
3. Brake shoes worn
4. Brake cam worn
5. Brake drum worn
6. Brake arm serrations improperly engaged