

Item	Standard value	Serviceable limit
Front cushion spring		
Spring outer diameter	0.992~1.008 in 25.2~25.6 mm	—
Free length	19.075 in 484.5 mm	18.11 in 460 mm
Coil dia	0.185 in 4.7 mm	—
Installation load	17.579 in/71.2 lbs 446.5 mm/32.3 kg	—
Tilt	within 1.5°	Over 2.5°
Front fork piston		
Outer diameter	1.552~1.553 in 39.425~39.45 mm	1.5512 in 39.4 mm
Taper, out of round	within 0.0003 in 0.008 mm	over 0.0006 in 0.015 mm
Front fork bottom case		
Inner diameter	1.555~1.556 in 39.50~39.534 mm	1.5591 in 39.68 mm
Taper, out of round	within 0.0012 in 0.03 mm	over 0.0012 in (0.03 mm)

## DIAGNOSIS

Trouble	Probable Causes	Remedy
Heavy steering	1. Steering stem excessively tightened. 2. Damaged steering stem steel balls. 3. Bent steering	Loosen the steering stem nut. Replace Replace
Wheel wobble	Loose steering stem mounting bolts	Retorque
Soft suspension	1. Loss of spring tension 2. Excessive load	Replace
Hard suspension	1. Ineffective front cushion damper 2. Ineffective rear cushion damper	Repair Replace
Suspension noise	1. Cushion case rubbing 2. Interference between cushion case and spring 3. Damaged cushion stopper rubber 4. Insufficient spring damper oil	Inspect cushion spring and case Repair or replace Replace Add damper oil