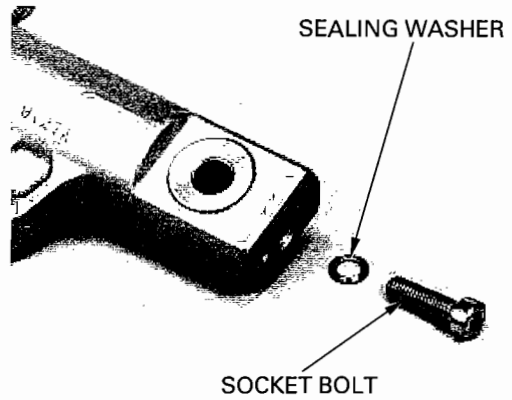
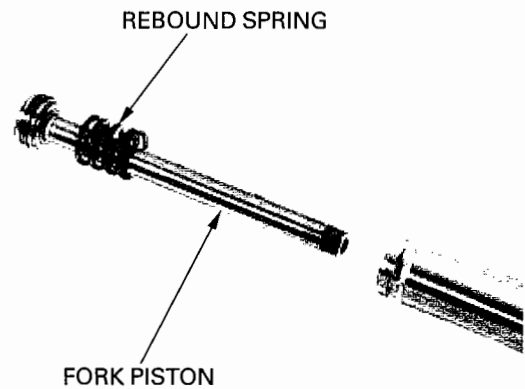


## FRONT WHEEL/SUSPENSION/STEERING

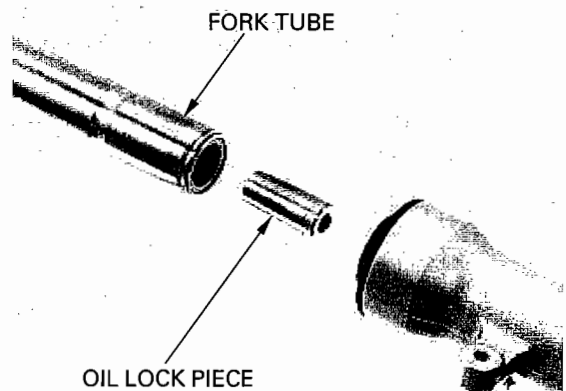
Remove the fork socket bolt and sealing washer.



Remove the fork piston and rebound spring.



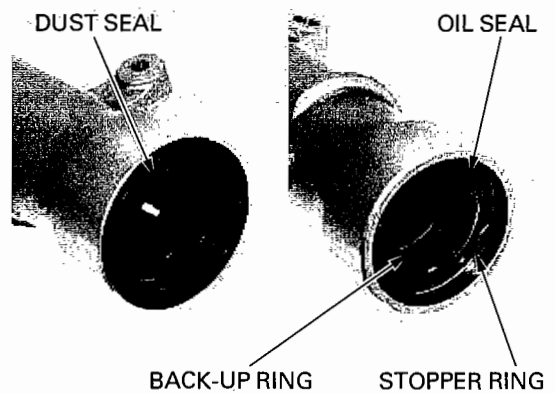
Remove the fork tube and oil lock piece.



*Be careful not to damage the bottom case inner surface.*

Remove the following:

- Dust seal
- Stopper ring
- Oil seal
- Back-up ring

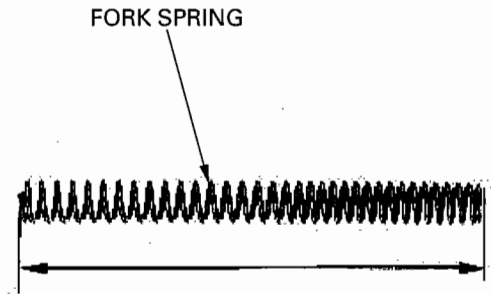


## INSPECTION

### FORK SPRING

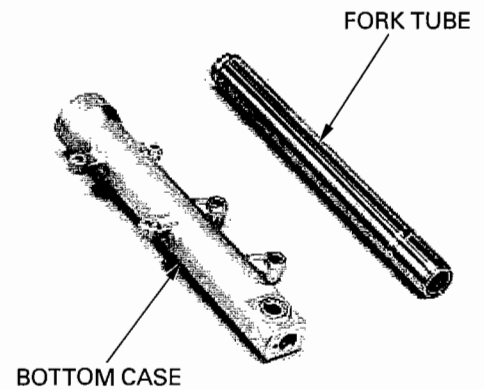
Check the fork spring for fatigue or damage.  
Measure the fork spring free length.

**SERVICE LIMIT:** 265 mm (10.4 in)



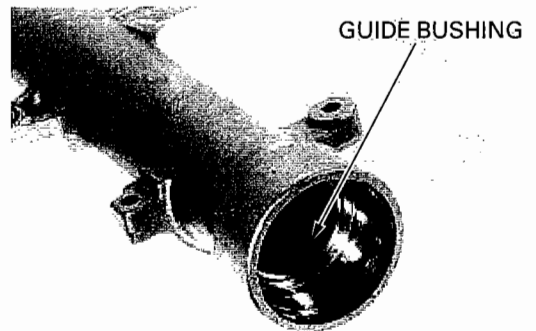
### FORK TUBE/BOTTOM CASE

Check the fork tube and bottom case for score marks and excessive or abnormal wear.



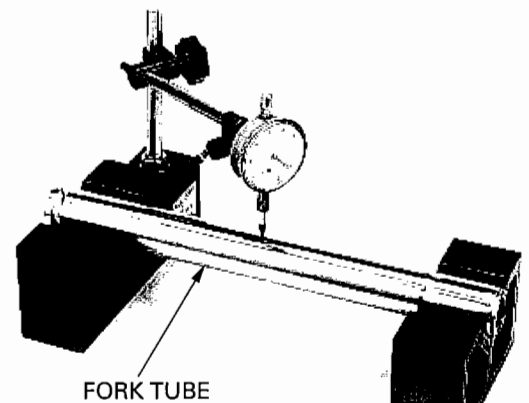
Visually inspect the guide bushing in the bottom case.

Replace the bushing if there is excessive scoring or scratching, or if the Teflon is worn so that the copper surface appears on more 3/4 of the entire surface.



Set the fork tube in V-blocks and measure the fork tube runout with a dial indicator reading.

**SERVICE LIMIT:** 0.20 mm (0.008 in)



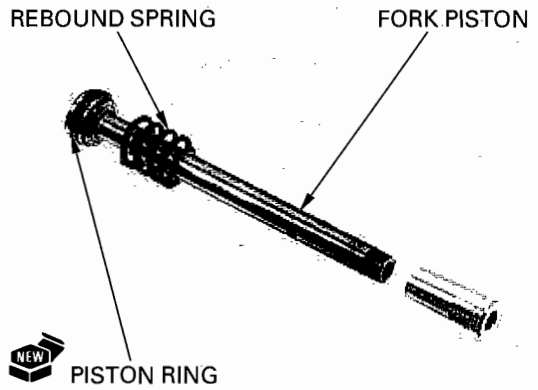
# FRONT WHEEL/SUSPENSION/STEERING

## FORK PISTON

Check the fork piston and piston ring for score marks and excessive or abnormal wear.

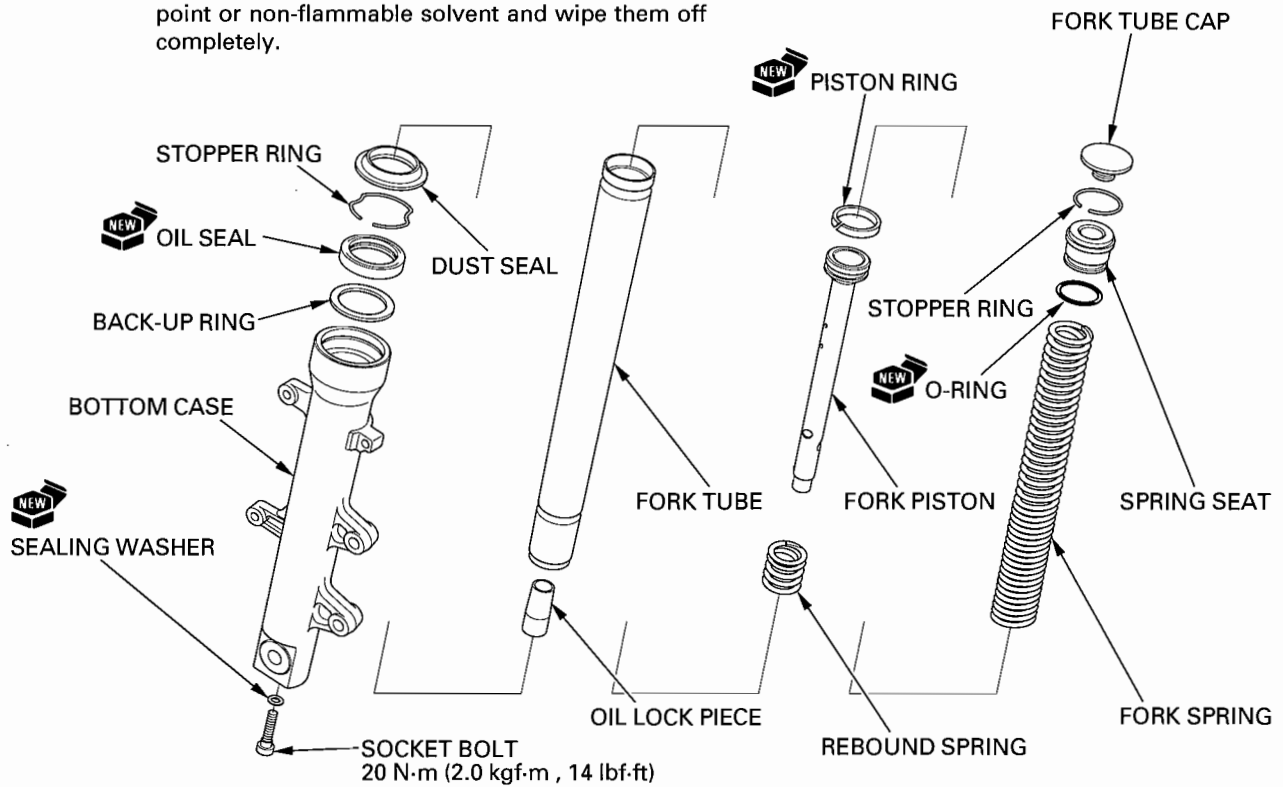
Check the rebound spring for fatigue or damage.

If the fork piston ring is removed, replace it with a new one.

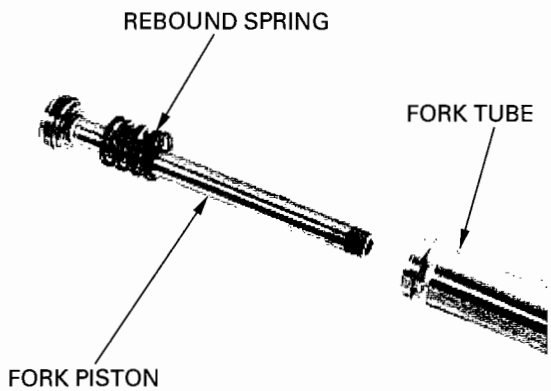


## ASSEMBLY

Before assembly, wash all parts with a high flash point or non-flammable solvent and wipe them off completely.

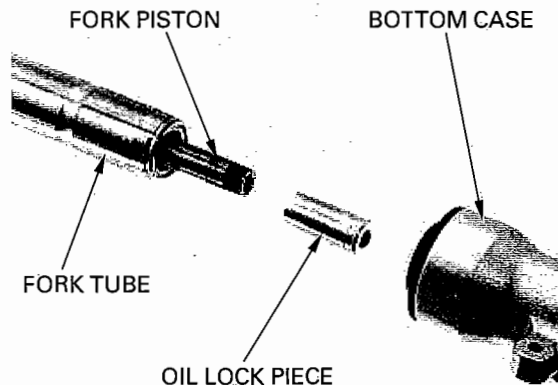


Install the rebound spring to the fork piston.  
Install the fork piston/rebound spring into the fork tube.

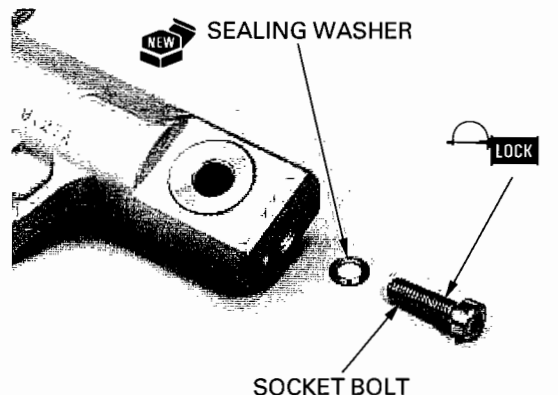


Install the oil lock piece to the fork piston.

Install the fork tube to the bottom case.



Apply locking agent to the socket bolt threads. Install the socket bolt with a new sealing washer into the fork piston.

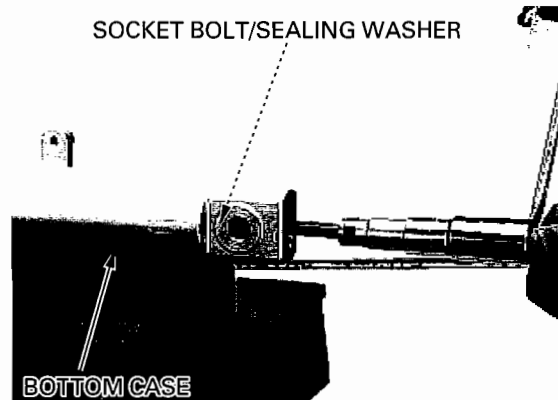


Hold the bottom case in a vise with soft jaws or a shop towel.

Tighten the fork socket bolt to the specified torque.

**TORQUE:** 20 N·m (2.0 kgf·m , 14 lbf·ft)

*If the fork piston turns together with the socket bolt, temporarily install the fork spring and spring seat (page 14-14).*



Install the back-up ring over the fork tube and rest it on the bottom case.

Coat a new oil seal lip with fork fluid and install it over the fork tube with the marked side facing up. Drive the oil seal into the bottom case until the stopper ring groove is visible.

**TOOLS:**

**Slider weight**

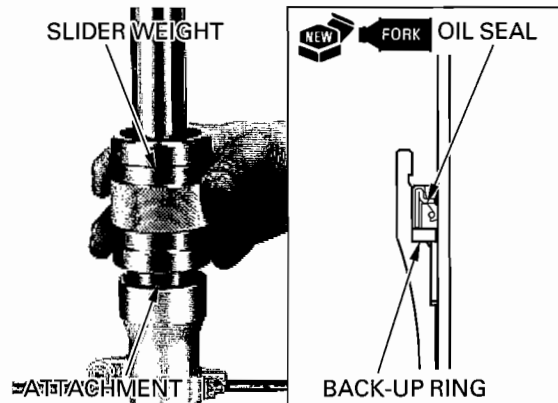
**Fork seal driver attachment**

07747-0010100

07747-0010501 or

07947-3330000

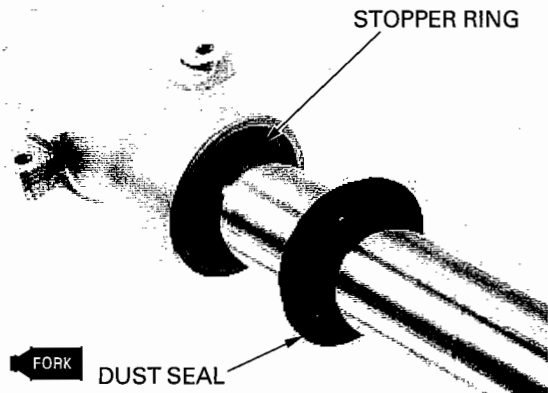
(U. S. A. only)



## FRONT WHEEL/SUSPENSION/STEERING

Install the stopper ring into the groove in the bottom case, being careful not to scratch the fork tube.

Coat the dust seal lip with fork fluid and install it into the bottom case.



Pour the specified amount of the recommended fork fluid in the fork tube.

**RECOMMENDED FLUID:**

Pro Honda Suspension Fluid SS-8

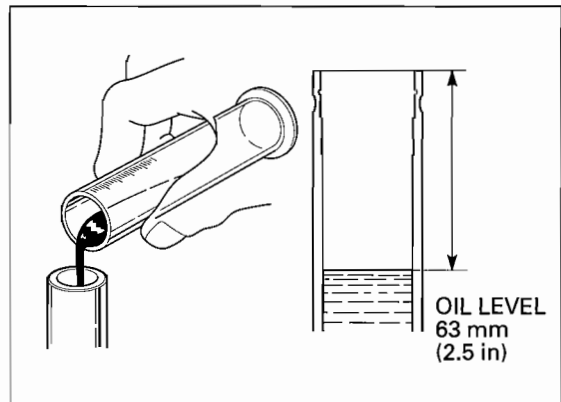
**FORK FLUID CAPACITY:**

121 cm<sup>3</sup> (4.1 US oz , 4.3 Imp oz)

Slowly pump the fork tube several times to remove any trapped air.

Compress the fork tube fully and measure the oil level from the top of the fork tube.

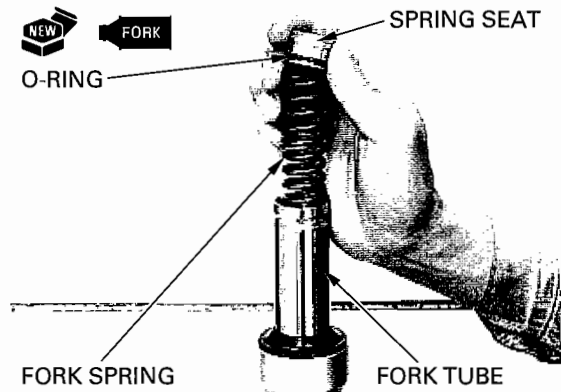
**OIL LEVEL:** 63 mm (2.5 in)



Pull the fork tube up fully.

Install the fork spring with the tightly wound end facing down.

Coat a new O-ring with fork fluid and install it into the groove in the spring seat.

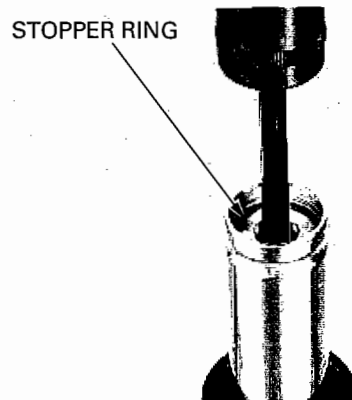


*Be careful not to allow the fork assembly to slide down. To prevent loss of tension, do not compress the fork spring more than necessary.*

Set the fork assembly, spring seat and stopper ring onto the hydraulic press.

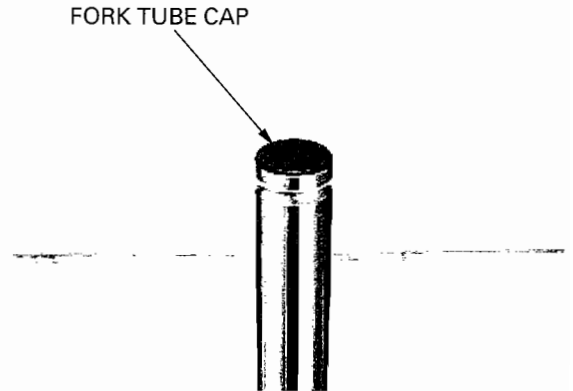
Press the spring seat into the fork tube until the stopper ring groove is visible.

Install the stopper ring into the groove in the fork tube.



Install the fork tube cap onto the fork tube.

If the front fork bottom case is replaced, check the clearance between the pulser ring and wheel speed sensor (ABS type only: page 21-22).

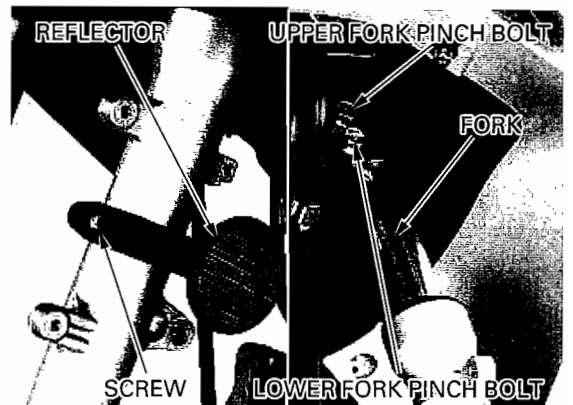


**INSTALLATION**

Install the fork into the steering stem and align the groove of the fork tube with the upper bolt hole in the stem, then install the upper pinch bolt. Tighten the fork pinch bolts to the specified torque.

**TORQUE:** 49 N·m (5.0 kgf·m , 36 lbf·ft)

Install the reflector and tighten the screw.



Install the brake caliper onto the fork leg with new mount bolts.

**TORQUE:** 31 N·m (3.2 kgf·m , 23 lbf·ft)

Install the brake hose clamp onto the fork leg with the bolt.

Install the front fender between the fork legs with the socket bolts.

**TORQUE:** 12 N·m (1.2 kgf·m , 9 lbf·ft)

Install the speedometer cable to the guide.

Install the front wheel (page 14-7).

