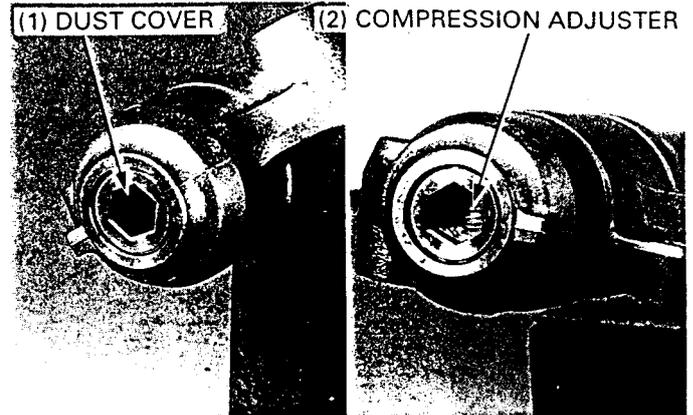


FRONT WHEEL SUSPENSION/STEERING

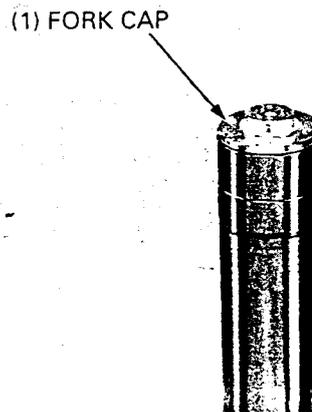
Remove the compression adjuster dust cover.
Turn the adjuster counterclockwise to the softest position.

NOTE

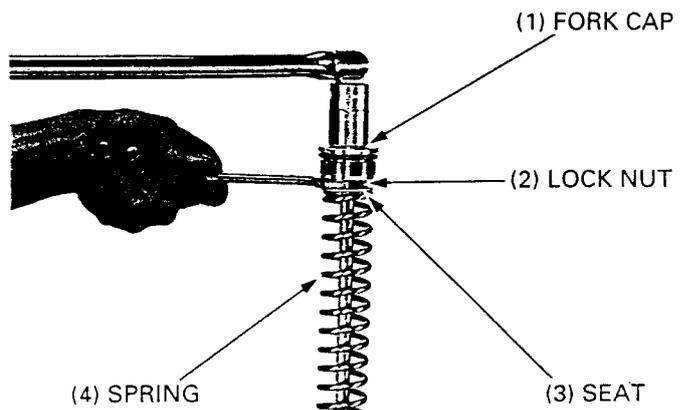
- Record the number of clicks to the softest position.



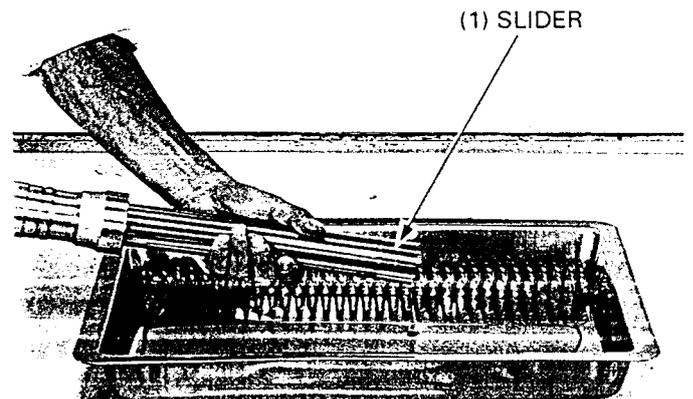
Remove the fork cap from the fork tube.



Hold the lock nut and remove the fork cap from the piston rod.
Remove the spring seat and spring.

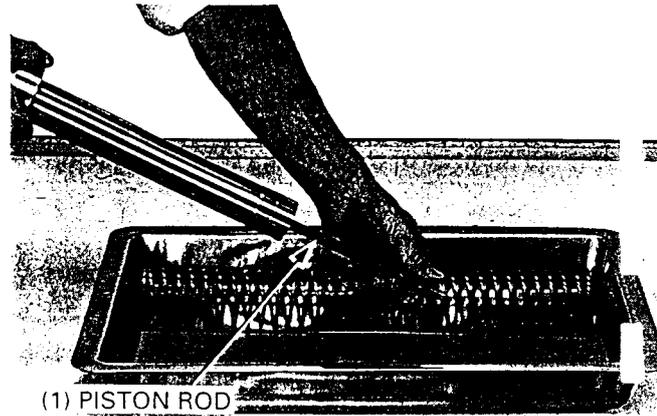


Empty the fork oil from the fork by pumping the slider 8 - 10 times.



FRONT WHEEL/SUSPENSION/STEERING

Empty the fork oil from the fork cylinder by pumping the piston rod 8 – 10 times.



Hold the caliper bracket of the outer tube in a vise protected with a piece of wood or soft jaws.

CAUTION

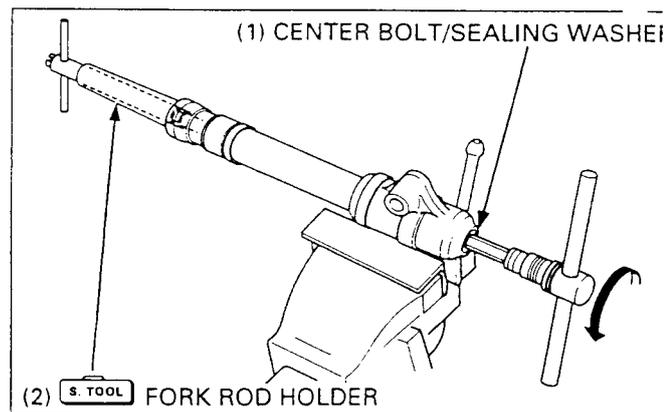
- Do not overtighten the caliper bracket.

Loosen the center bolt using the special tool as shown.

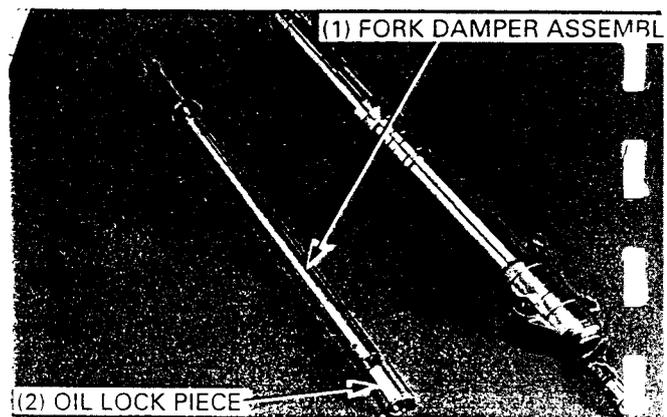
TOOL:

Fork damper holder 07PMB – KZ40101

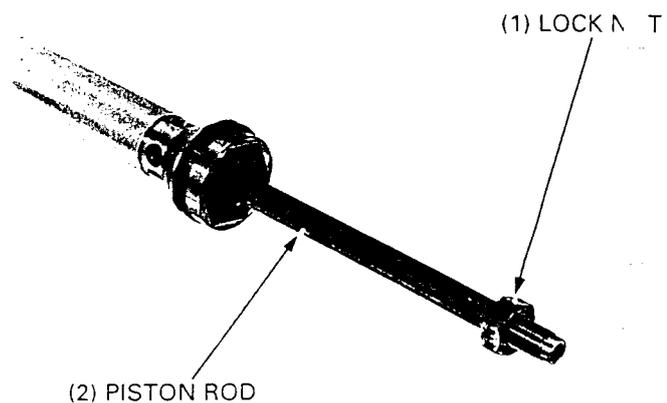
Remove the center bolt and sealing washer.



Remove the fork damper assembly and oil lock piece from the fork assembly.

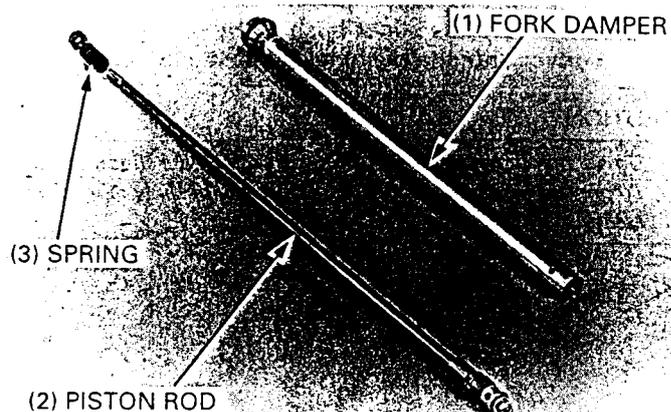


Remove the lock nut from the piston rod.



FRONT WHEEL SUSPENSION/STEERING

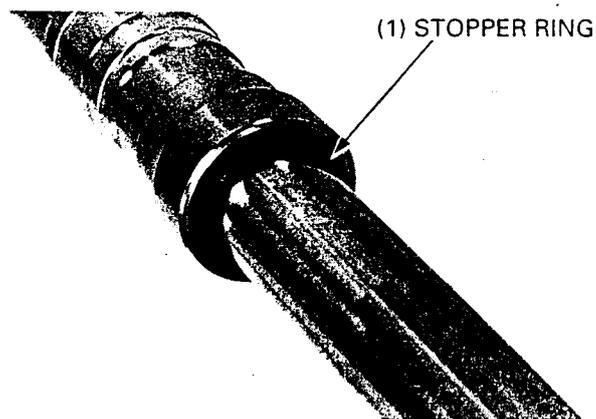
Remove the piston rod and spring from the fork damper.



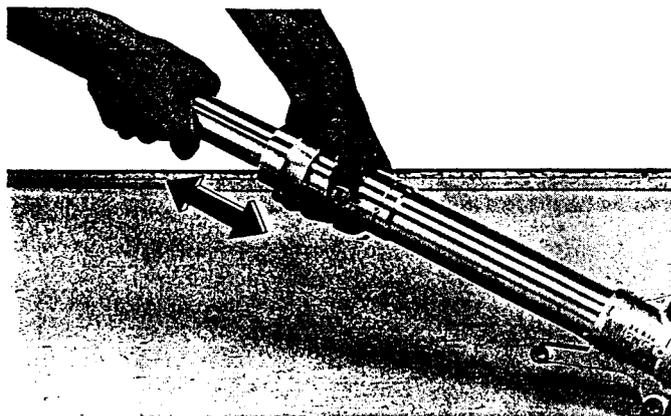
Remove the stop ring from the outer tube.

CAUTION

- *Be careful not to scratch the slider.*

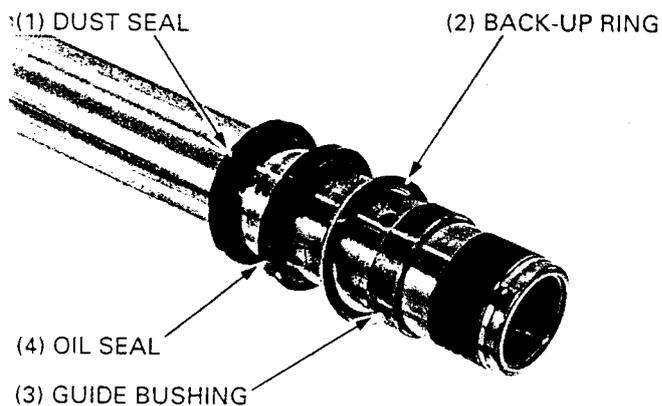


In quick successive motions, pull the slider and guide bushing out of the outer tube.



Remove the following:

- Dust seal
- Oil seal
- Back-up ring
- Guide bushing

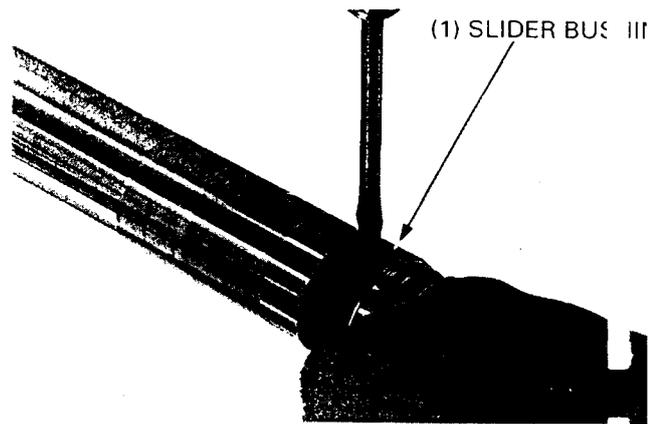


FRONT WHEEL/SUSPENSION/STEERING

Carefully remove the slider bushing by prying the slot with a screwdriver until the bushing can be pulled off by hand.

CAUTION

- Do not damage the slider bushing, especially the sliding surface.
- To prevent loss of tension, do not open the bushing more than necessary.

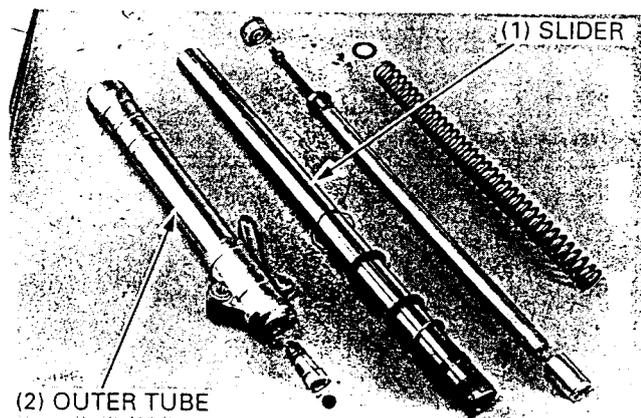


INSPECTION

Slider/Outer tube

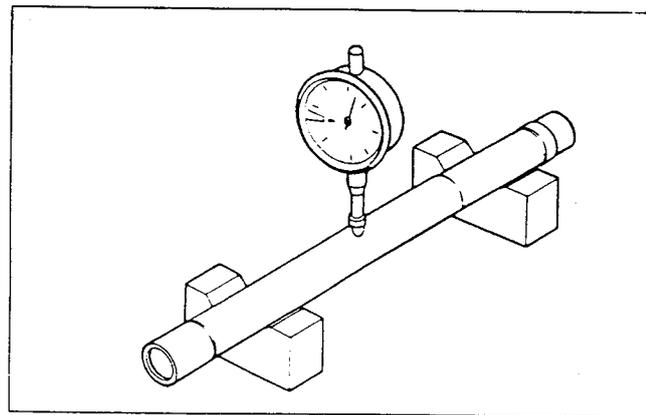
Check the slider for score marks, scratches and excessive or abnormal wear.

Check the outer tube for damage or deformation.



Set the slider in V blocks and read the runout.
The actual runout is 1/2 of the total indicator reading.

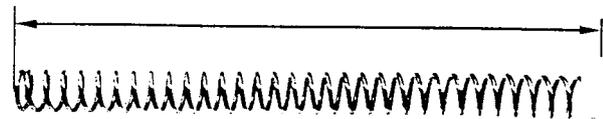
SERVICE LIMIT: 0.2 mm (0.01 in)



Fork spring

Measure the fork spring free length.

SERVICE LIMIT: 438.1 mm (17.25 in)

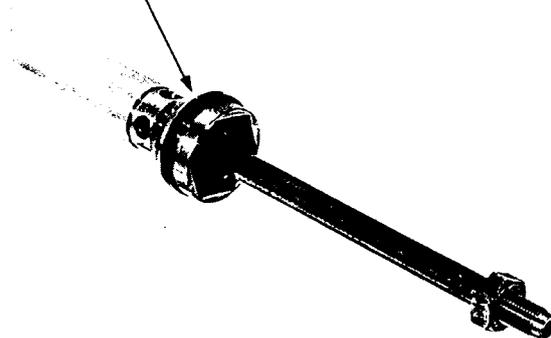


FRONT WHEEL SUSPENSION/STEERING

Fork damper/Piston rod/Spring

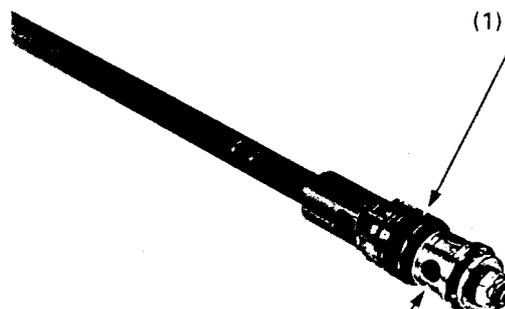
Check the piston ring for wear or damage.

(1) PISTON RING



Check the ring and valve of the piston rod for damage.
Check the oil lock valve for wear or damage.
Replace the piston rod assembly if there is abnormal wear or damage.

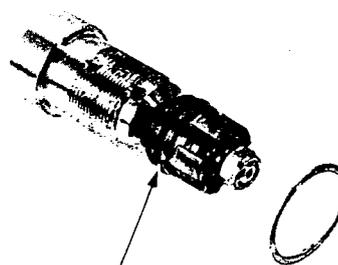
(1) RING



(2) VALVE

Fork center bolt

Check the O-ring of the fork center bolt for damage.



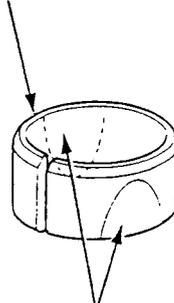
(1) O-RING

Slider bushing/Guide bushing/Back-up ring

Check the bushings for excessive wear or scratches. If copper appears on the entire surface, replace the bushings.
Replace the back-up ring if there is distortion at the points shown.

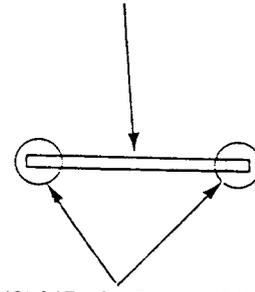
Remove any metal power from the slider and guide bushings with a nylon brush and fork oil.

(1) BUSHING



(4) SLIDING SURFACE

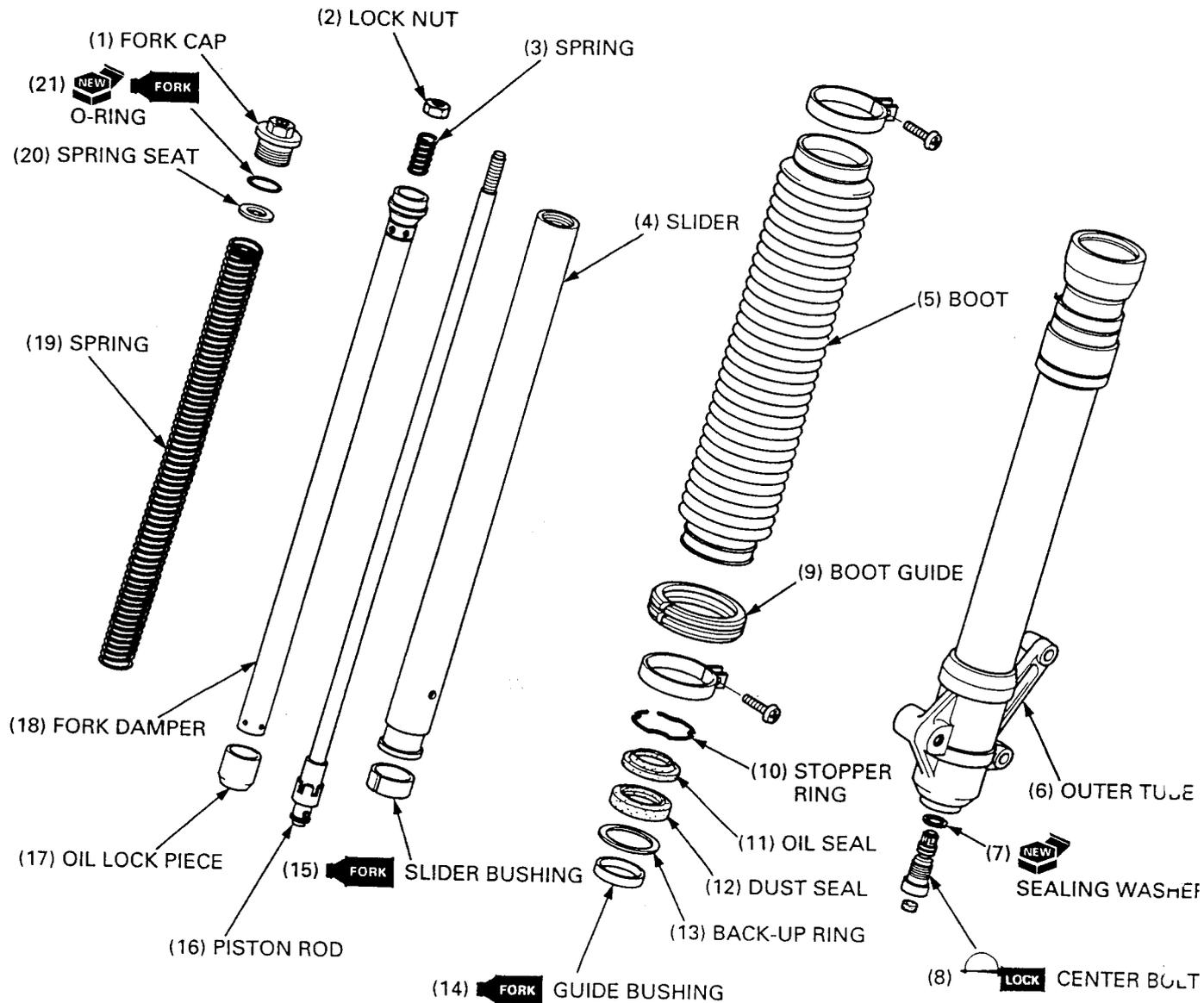
(2) BACK-UP RING



(3) MEASURING POINTS

FRONT WHEEL/SUSPENSION/STEERING

ASSEMBLY



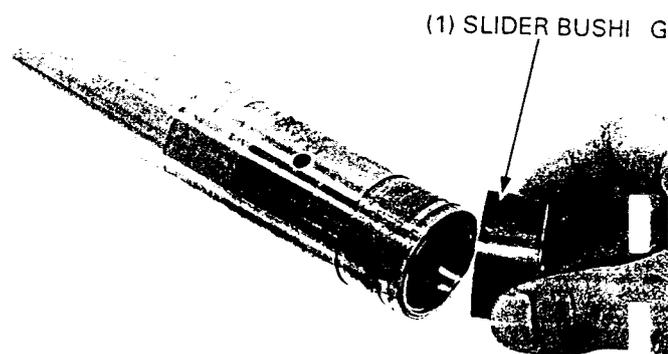
NOTE

- Clean the disassembled parts thoroughly with non-flammable or high flash point solvent before assembly.

Install the slider bushing.

NOTE

- Remove any burrs from the bushing, taking care not to peel off its coating.



FRONT WHEEL SUSPENSION/STEERING

Wrap the end of the slider with tape.

Install the following:

- Guide bushing
- Back-up ring
- Oil seal
- Dust seal

NOTE

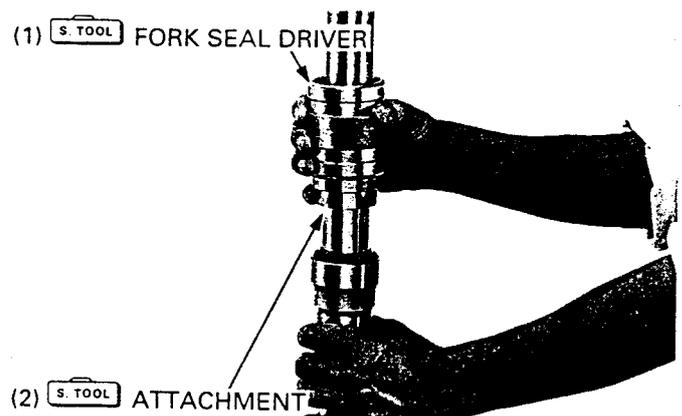
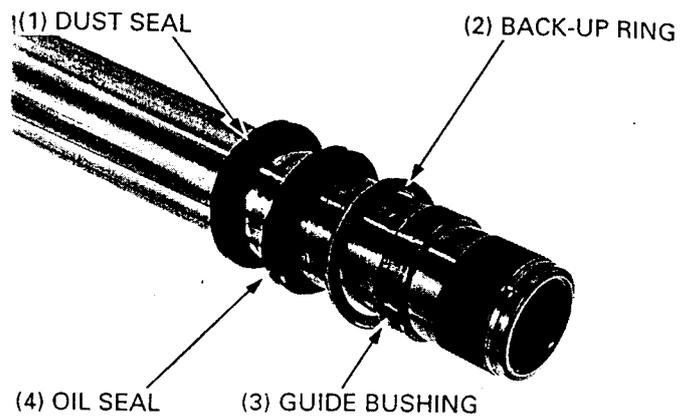
- Install the oil seal with its marked side facing the dust seal.

Remove the tape.

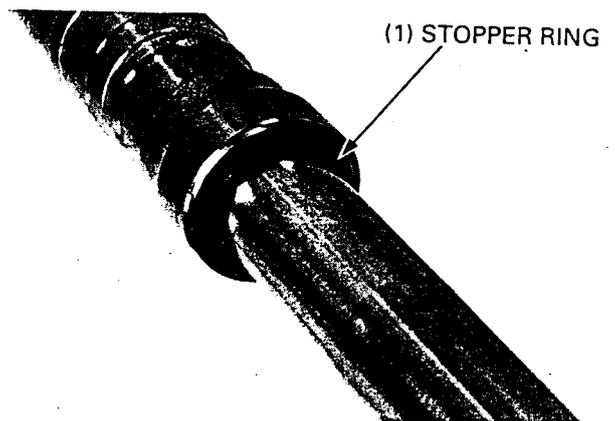
Coat the slider bushing and guide bushing with fork oil.
Install the slider to the outer tube.
Drive in the dust seal to just under the edge of the stopper ring groove, using the special tool.

TOOL:

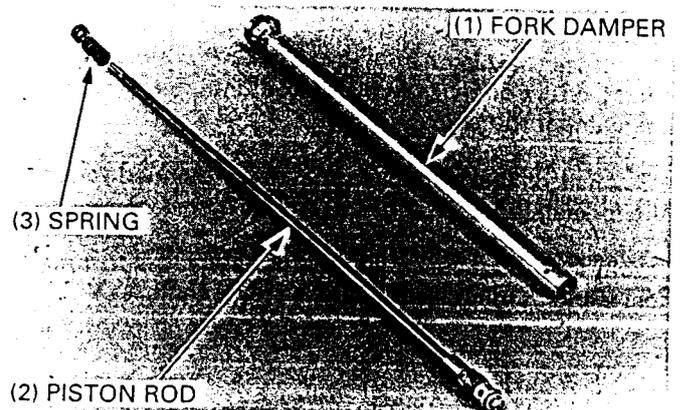
- | | |
|-----------------------------|-----------------|
| Fork seal driver | 07947 - KA50100 |
| Fork seal driver attachment | 07947 - KF00100 |



Install the stopper ring.



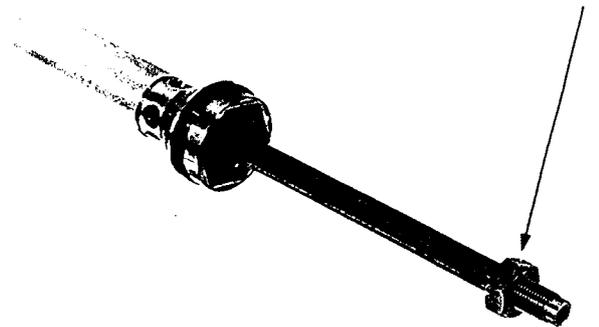
Install the piston rod and spring to the fork damper.



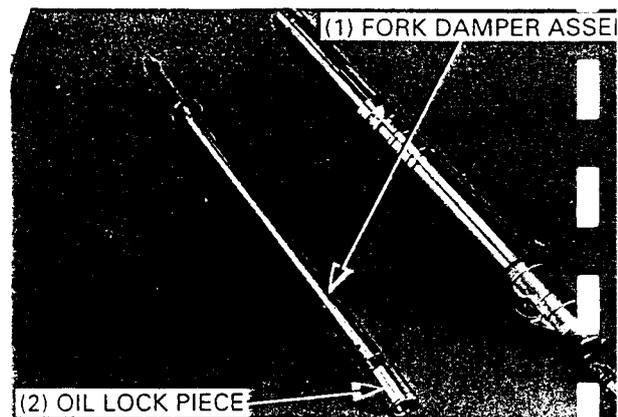
FRONT WHEEL/SUSPENSION/STEERING

Install the lock nut onto the piston rod.

(1) LOCK NUT



Install the fork damper assembly and oil lock piece into the fork assembly.



Hold the caliper bracket of the outer tube in a vise protected with a piece of wood or soft jaws.

CAUTION

- Do not overtighten the caliper bracket.

Apply a locking agent to the center bolt threads. Install a new sealing washer and install the center bolt.

Tighten the center bolt using the special tool as shown.

TOOL:

Fork damper holder

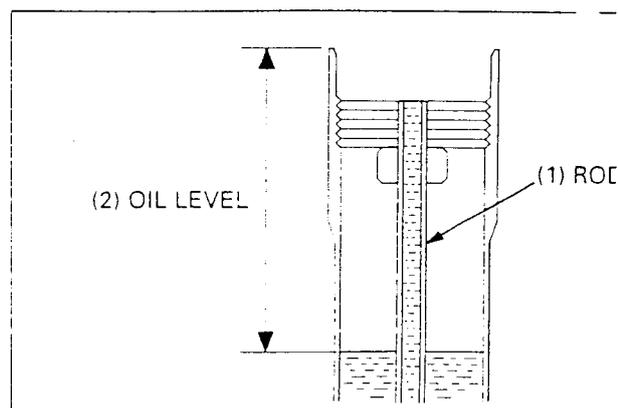
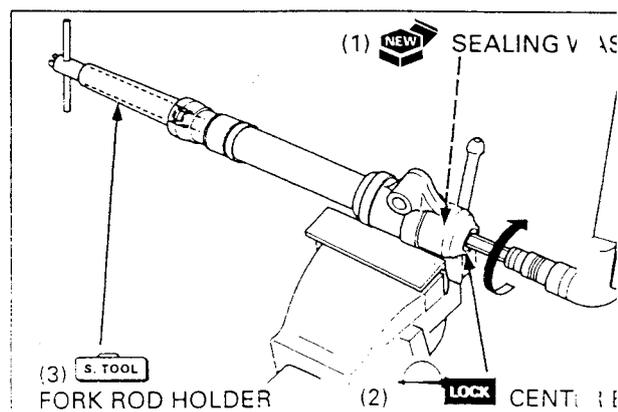
07PMB - KZ40101

TORQUE: 20 N·m (2.0 kgf·m, 14 lbf·ft)

Compress the piston rod all the way and pour the recommended fork oil into the piston rod until the oil flows out of the damper rod end.

Pour half of the amount of the recommended fork oil into the fork leg.

Pump the slider and piston rod slowly 8 - 10 times and leave it for 5 minutes to let the oil level settle.



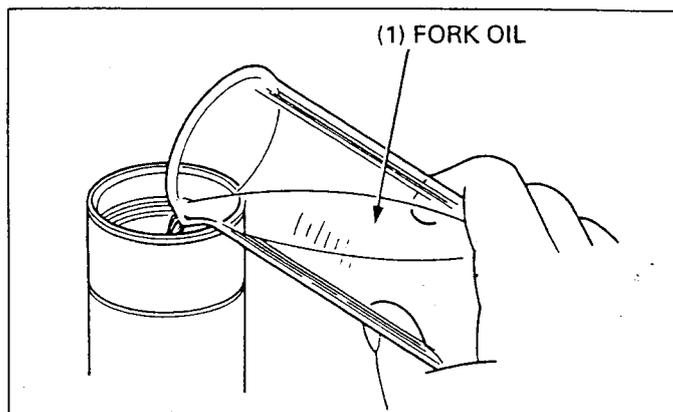
FRONT WHEEL SUSPENSION/STEERING

Compress the front fork and piston rod all the way and measure the oil level from the top of the tube. Add oil as necessary.

RECOMMENDED OIL: Fork fluidm (SS8)
STANDARD OIL CAPACITY: 477 cm³ (16.13 US oz, 16.79 Imp oz)
STANDARD OIL LEVEL: 82 mm (3.2 in)

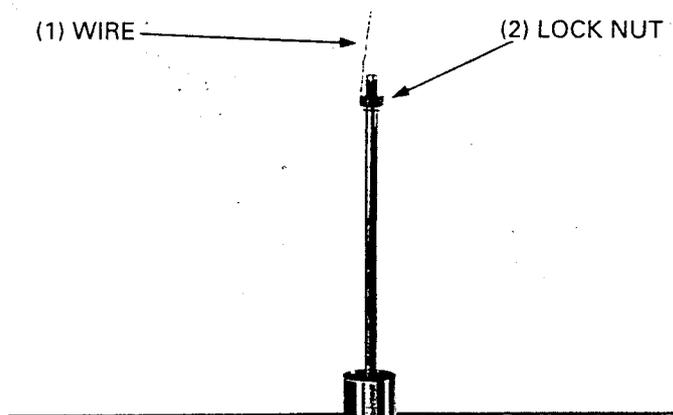
NOTE

- Be sure the oil level is the same in both fork legs.

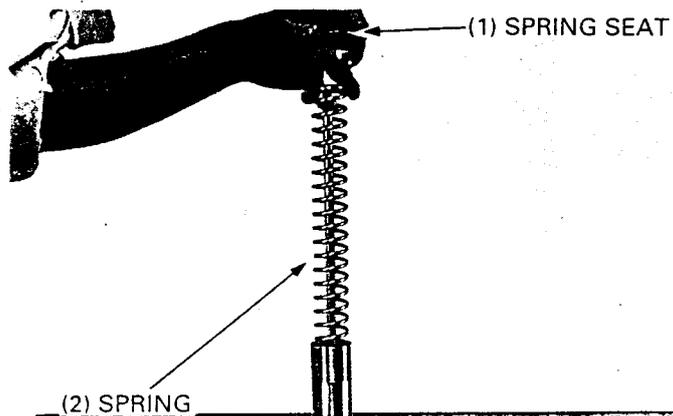


Screw the lock nut onto the piston rod by hand, to the end of the threads.

Attach a 600 mm (2 feet) length of mechanic's wire to the lock nut on the piston rod.

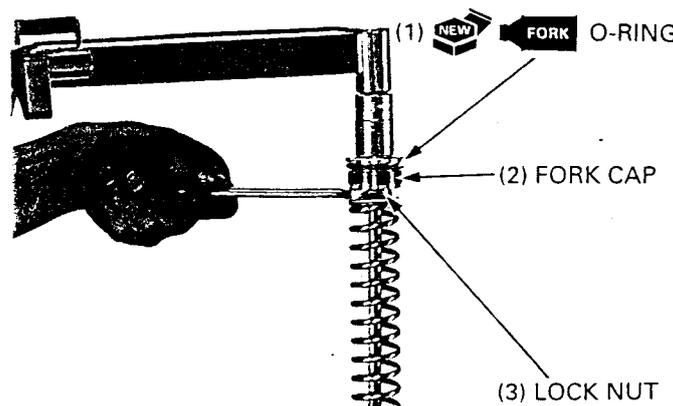


Install the fork spring and spring seat.



Remove the mechanic's wire while holding the lock nut. Coat a new fork cap O-ring with fork oil and install it. Hold the lock nut and tighten the fork cap to the specified torque.

TORQUE: 23 N·m (2.3 kgf·m, 17 lbf·ft)



FRONT WHEEL/SUSPENSION/STEERING

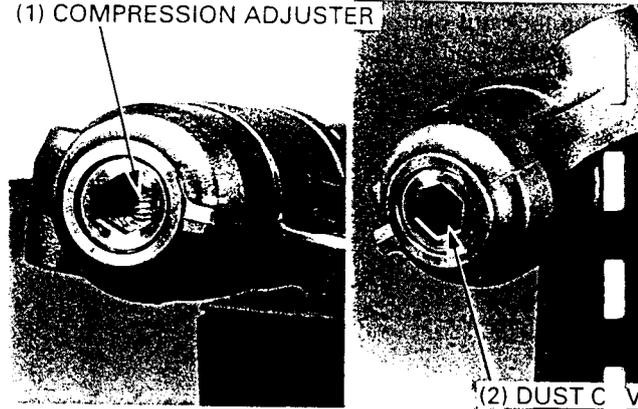
Install the fork cap into the fork tube.

(1) FORK CAP



Return the compression adjuster to its original position as noted during removal.
Install the dust cover.

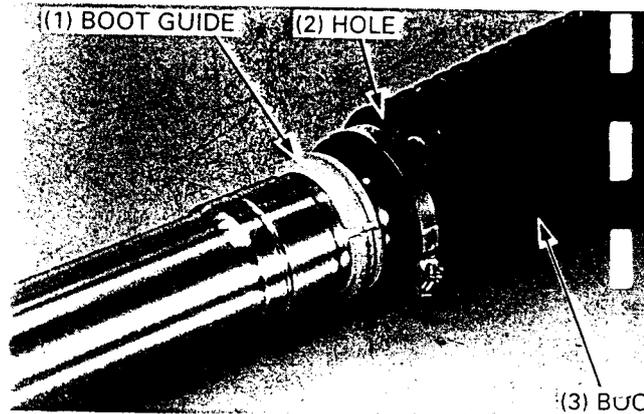
(1) COMPRESSION ADJUSTER



Install the fork boot guide.
Install the fork boot with the breather holes towards the bottom and outside.

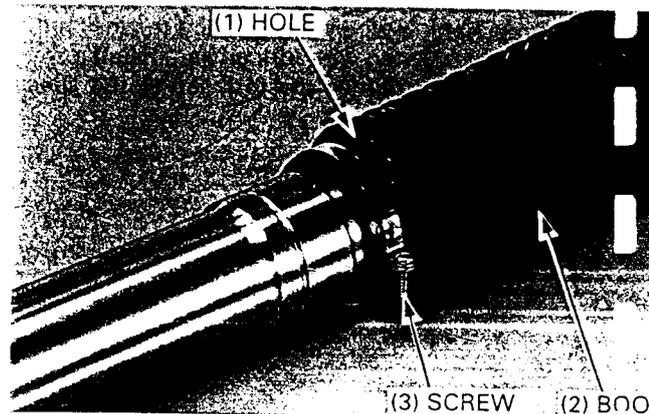
(1) BOOT GUIDE

(2) HOLE



Install the fork boot on the boot guide.
Tighten the lower screw.

(1) HOLE



FRONT WHEEL SUSPENSION/STEERING

INSTALLATION

Install the front fork.

Tighten the bottom bridge pinch bolts to the specified torque.

TORQUE: 26 N·m (2.7 kgf·m, 20 lbf·ft)

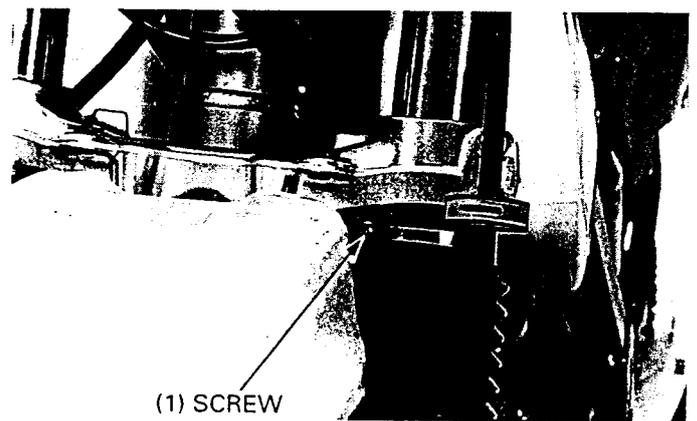
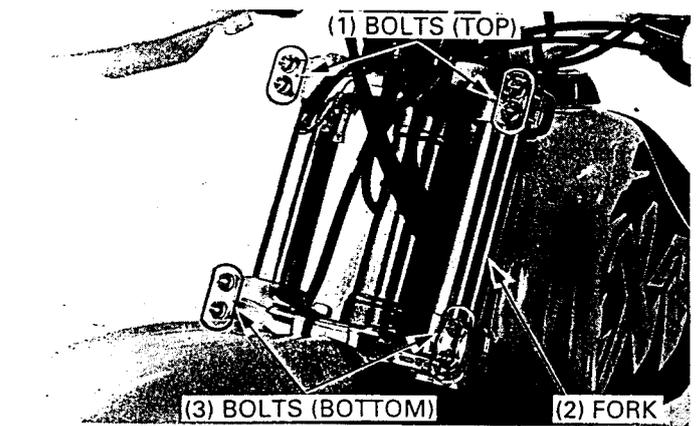
Tighten the fork cap to the specified torque.

TORQUE: 29 N·m (3.0 kgf·m, 22 lbf·ft)

Tighten the top bridge pinch bolts to the specified torque.

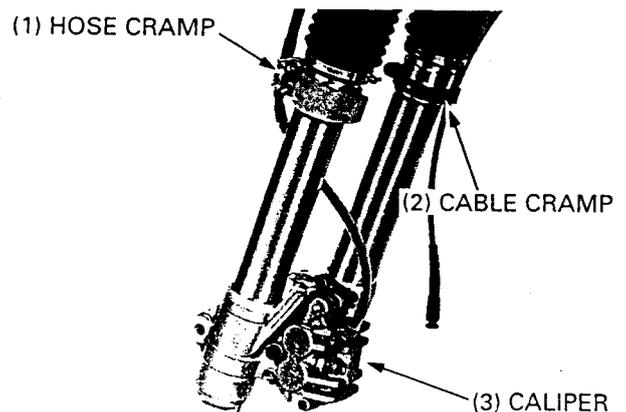
TORQUE: 32 N·m (3.3 kgf·m, 24 lbf·ft)

Push the fork boots up until they just touch the steering stem and tighten the boot clamps, with the clamp screws.



Install the following:

- Speedometer cable clamp (right side)
- Brake hose clamp (left side)
- Front brake caliper (page 15-11)
- Front wheel (page 13-7)
- Headlight case (page 16-12)



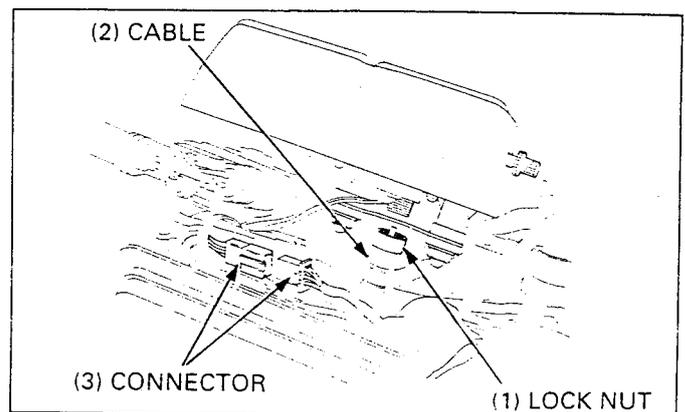
SPEEDOMETER

REMOVAL

Remove the headlight case (page 16-12).

Loosen the lock nut and disconnect the cable from the speedometer.

Disconnect the wire connector.

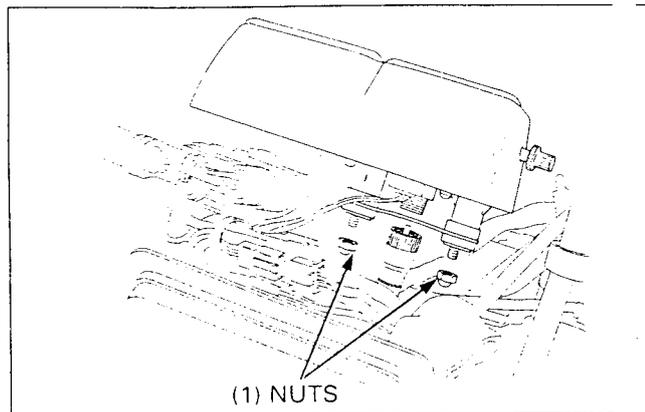


FRONT WHEEL/SUSPENSION/STEERING

Remove the two nuts and speedometer.

INSTALLATION

Installation is in the reverse order of removal.

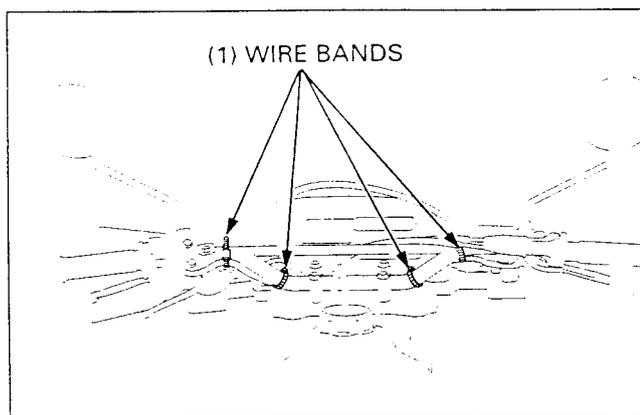


STEERING

HANDLEBAR REMOVAL

Remove the following:

— Wire bands

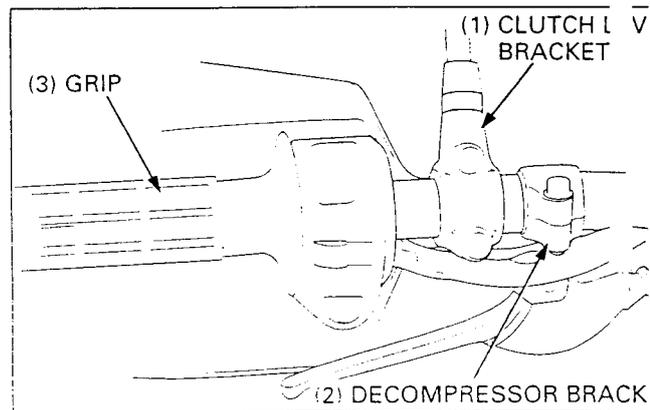


— Left handlebar switch
— Clutch lever bracket

Loosen the decompressor lever bracket bolts.

Remove the following:

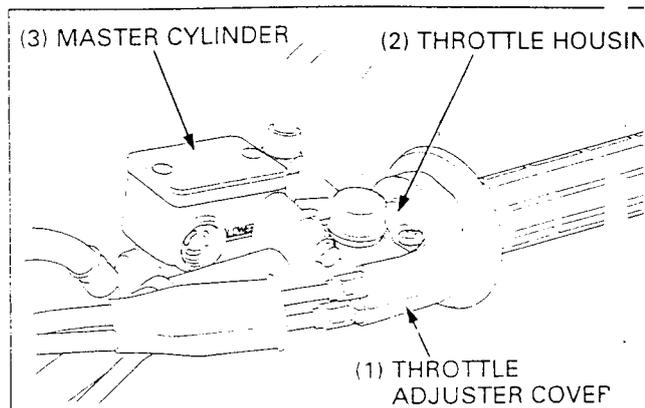
— Decompressor cable
— Left handle grip
— Decompressor bracket



Slide the throttle adjuster cover down.
Remove the screws and throttle housing.
Disconnect the throttle cable and remove the throttle grip.
Remove the front master cylinder from the handlebar.
Remove the engine stop switch.

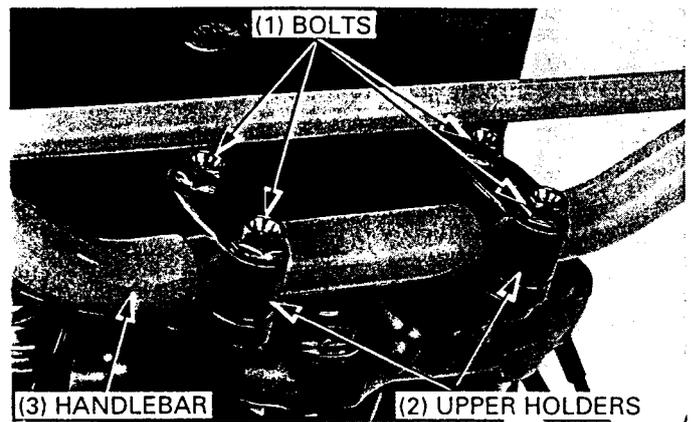
NOTE

- Do not hang the brake master cylinder by the brake hose.
- It is not necessary to disconnect the brake hose.



FRONT WHEEL SUSPENSION/STEERING

Remove the handlebar holder bolts, upper holders and handlebar.



HANDLEBAR INSTALLATION

Install the handlebar.

Align the punch mark on the handlebar with the top of the lower holder.

Place the upper holder on the handlebar with the punch marks facing forward.

Install and tighten the front handlebar holder bolts first, then tighten the rear bolts.

TORQUE: 26 N-m (2.7 kgf-m, 20 lbf-ft)

Position the brake master cylinder on the handlebar. Install the master cylinder holder with the "UP" mark up, and align the end of the holder with the punch mark on the handlebar.

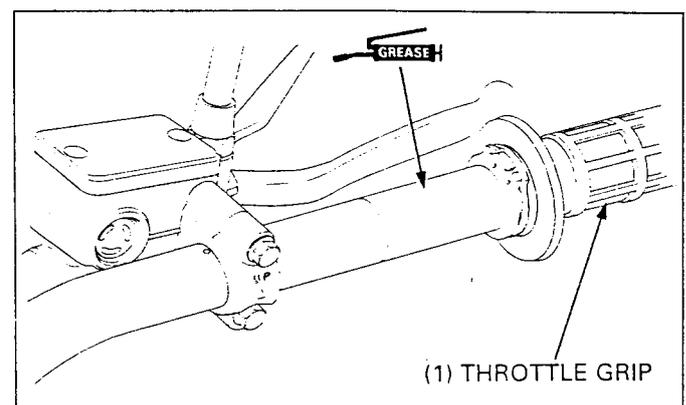
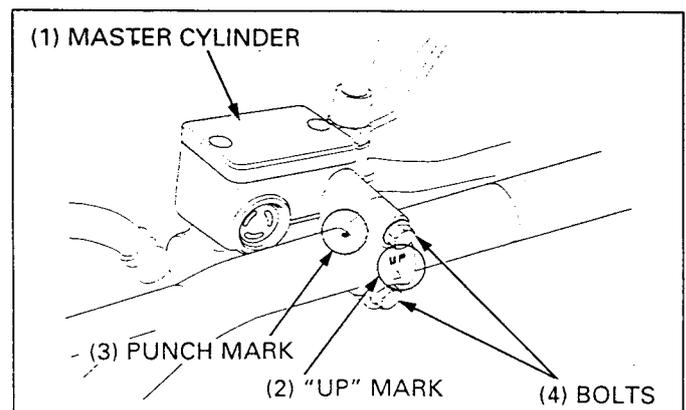
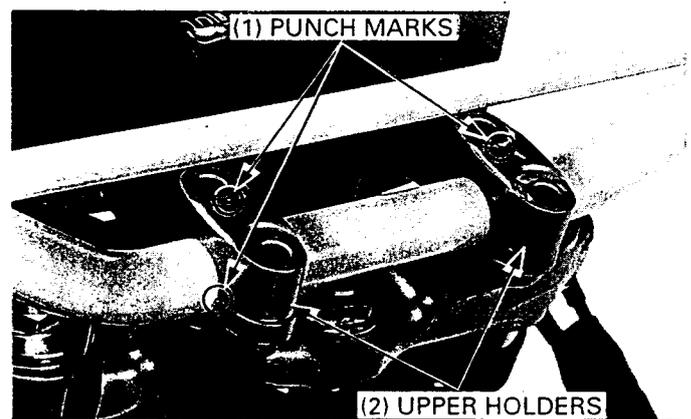
Tighten the master cylinder holder bolts.

NOTE

- Tighten the upper bolt first, then the lower bolt.

TORQUE: 9 N-m (0.9 kgf-m, 6.5 lbf-ft)

Apply a thin coat of grease to the sliding surfaces the throttle grip.
Install the throttle grip.



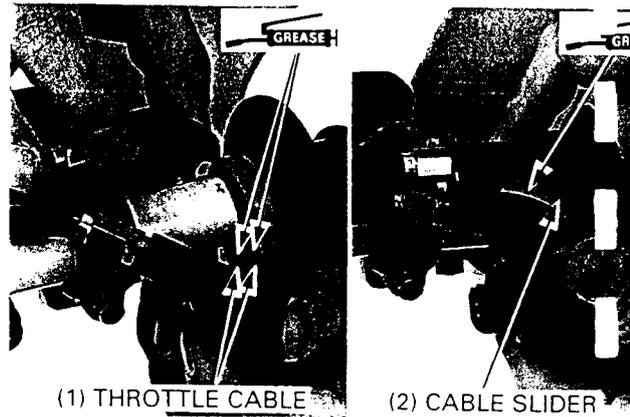
FRONT WHEEL/SUSPENSION/STEERING

Apply grease to the sliding area of the throttle cable end and cable slider.

Connect the throttle cable to the throttle grip.

NOTE

- Make sure that the cable slider is in place.

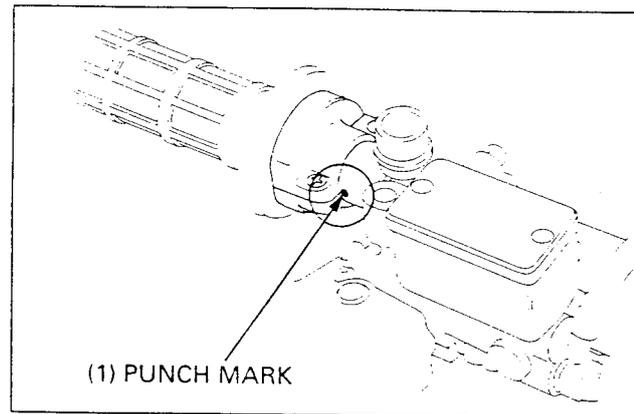


(1) THROTTLE CABLE

(2) CABLE SLIDER

Align the split line of the throttle grip with the punch mark on the handlebar.

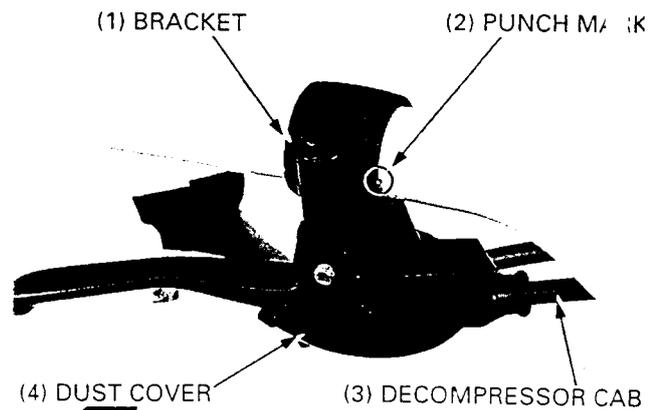
Tighten the forward screw first, then the rear screw.



(1) PUNCH MARK

Install the decompressor bracket to the handlebar.

Connect the decompressor cable and install the dust cover. Align the split line of the decompressor bracket with the punch mark on the handlebar and tighten the pinch screw securely.



(1) BRACKET

(2) PUNCH MARK

(4) DUST COVER

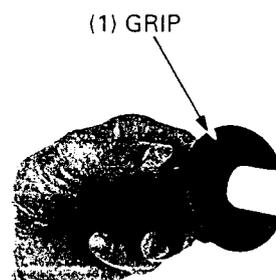
(3) DECOMPRESSOR CAB

Apply Honda Bond A or Cemedine #540 to the inside surface of the grip and to the clean surface of the left handlebar.

Wait 3 - 5 minutes and install the grip. Rotate the grip for even application of the adhesive.

NOTE

- Allow the adhesive to dry for an hour before using.



(1) GRIP

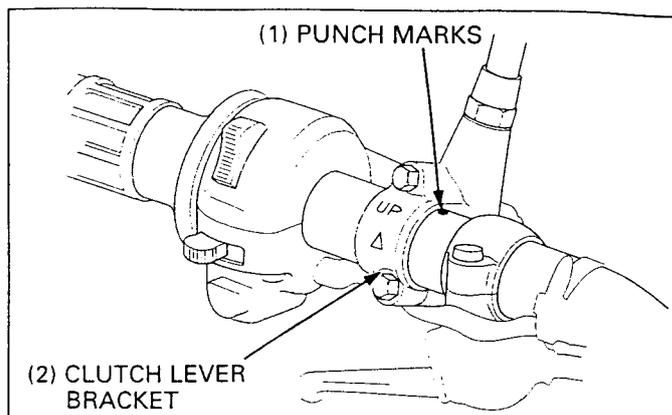


FRONT WHEEL SUSPENSION/STEERING

Install the clutch lever bracket and holder with the punch mark on the holder up, and the end of the holder aligned with the punch mark on the handlebar.
Install the left handlebar switch.

NOTE

- Tighten the upper bolt first, then the lower bolt.



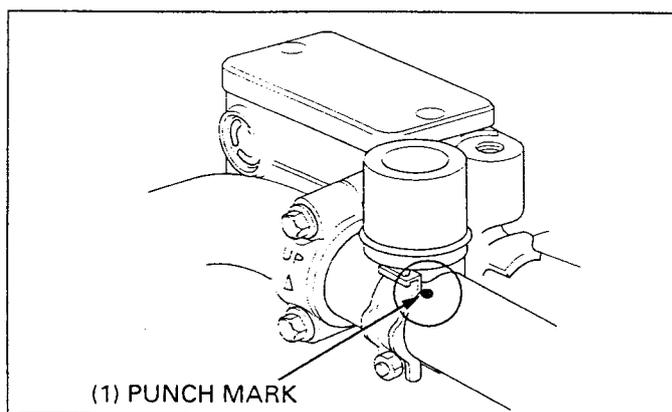
Align the split line of the engine stop switch with the punch mark on the handlebar.

Install and tighten the screw with the black cord.

Install the wire bands (page 1-21).

Adjust the decompressor cable free play (page 3-12).

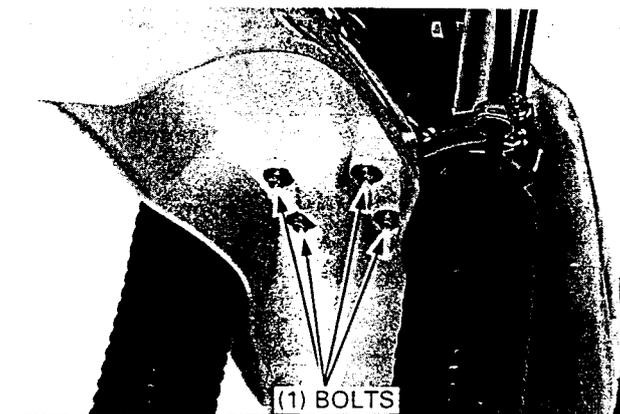
Adjust the throttle cable free play (page 3-5).



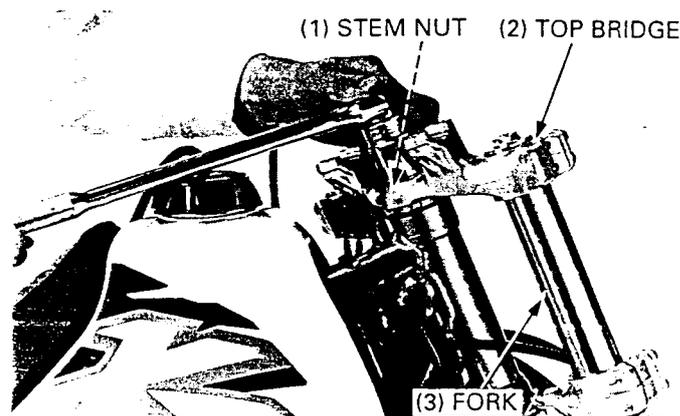
STEERING STEM REMOVAL

Remove the following:

- Front wheel (page 13-3)
- Front brake caliper (page 15-7)
- Headlight case (page 16-10)
- Speedometer (page 13-19)
- Handlebar (page 13-20)
- Bolts, washers
- Front fender



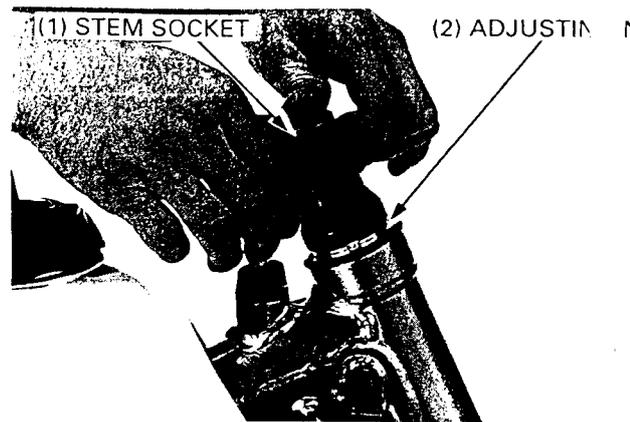
- Steering stem nut
- Washer
- Fork (page 13-7)
- Top bridge



FRONT WHEEL/SUSPENSION/STEERING

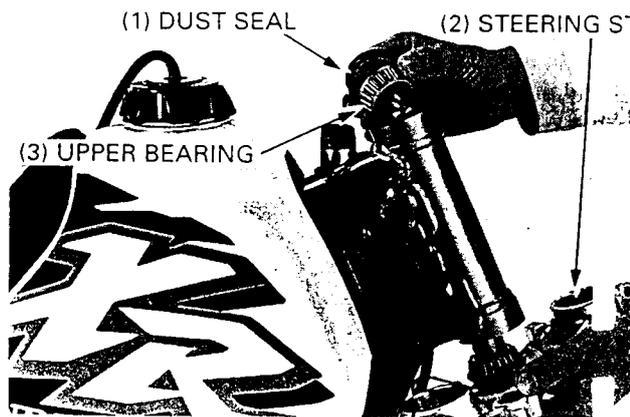
Remove the following:
— Steering stem adjusting nut

TOOL:
Steering stem socket 07916 – KA50100



— Upper dust seal
— Upper bearing
— Steering stem

Check the upper and lower bearings for damage.
Check the bearing outer race in the head pipe for damage.



STEERING STEM BEARING REPLACEMENT

NOTE

- Always replace the bearing and bearing races as a set.

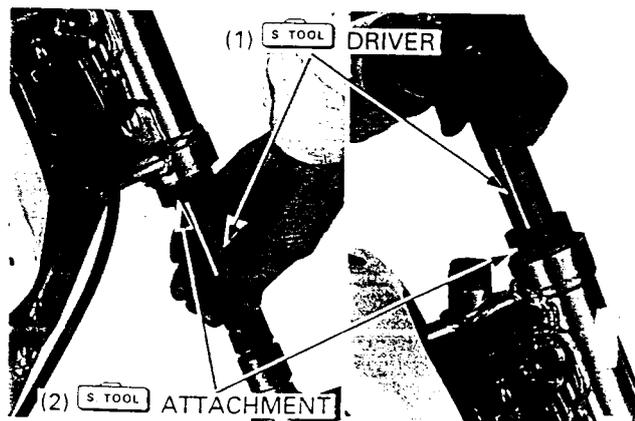
Remove the upper and lower bearing outer races from the head pipe.

TOOL:
Oil seal remover 07948 – 4630100



Install new bearing races.

TOOL:
Driver 07749 – 0010000
Attachment, 42 x 47 mm 07746 – 0010300

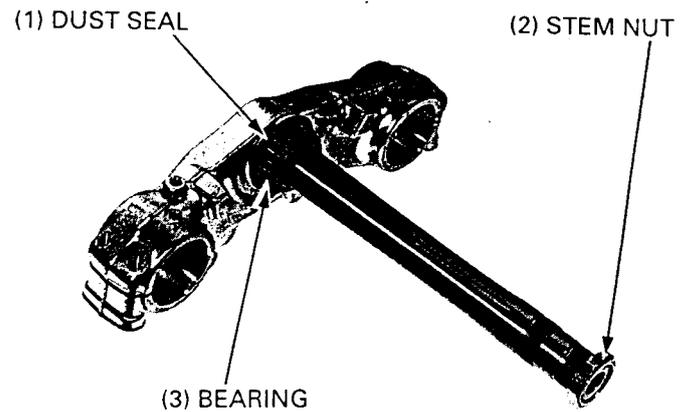


FRONT WHEEL SUSPENSION/STEERING

Remove the lower tapered roller bearing and dust seal from the steering stem.

NOTE

- To avoid damaging the steering stem threads, temporarily install the stem nut.

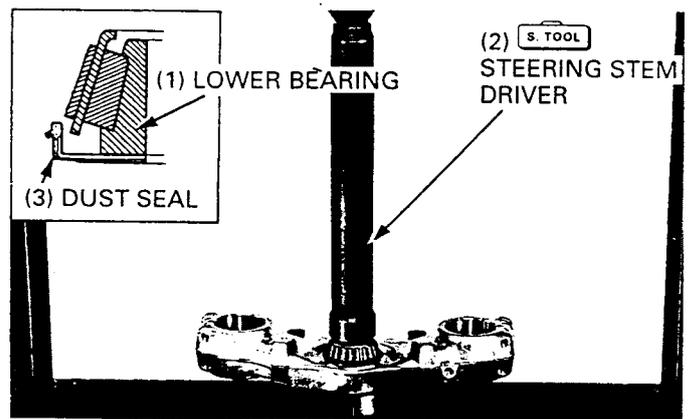


Install a new dust seal and lower bearing.

TOOL:

Steering stem driver

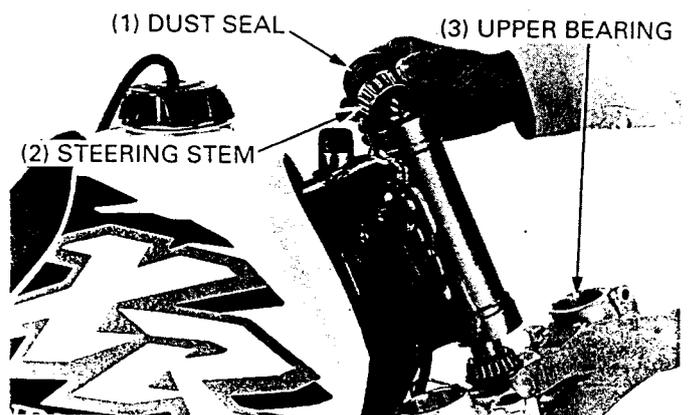
07946 - 4300101



STEERING STEM INSTALLATION

Install the following:

- Steering stem
- Upper bearing
- Upper dust seal



- Steering stem adjusting nut

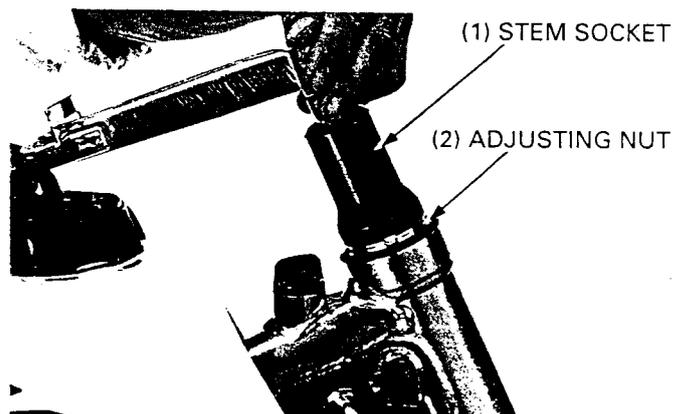
TORQUE: 5 N·m (0.5 kgf·m, 3.6 lbf·ft)

TOOL:

Steering stem socket

07916 - KA50100

Turn the steering stem lock-to-lock 5 times to seat the bearings and tighten the adjusting nut again.



FRONT WHEEL/SUSPENSION/STEERING

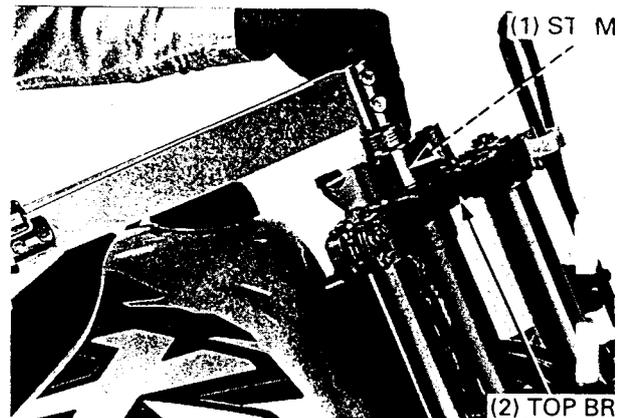
Install the top bridge to the stem and temporarily install the fork.

Install the stem nut and washer.

Tighten the nut to the specified torque.

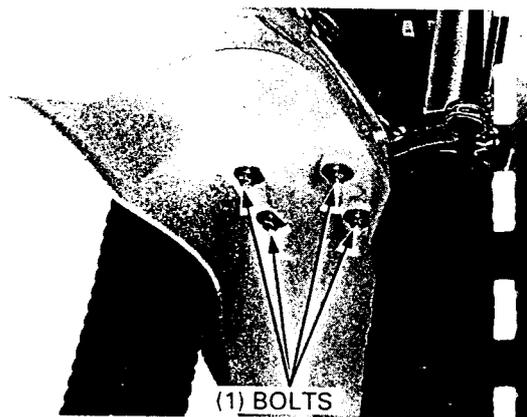
TORQUE: 98 N·m (10.0 kgf·m, 72 lbf·ft)

Install the fork (page 13-19).



Install the following:

- Front fender
- Front brake caliper (page 15-11)
- Handlebar (page 13-21)
- Speedometer (page 13-20)
- Headlight case (page 16-10)



MEMO

REAR WHEEL/SUSPENSION

