



HONDA
CB750A

16. REAR WHEEL/ SUSPENSION/SWING ARM

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● SERVICE INFORMATION

SPECIFICATIONS

Unit: mm (in.)

Item	Standard	Service Limit
Wheel axle runout	0—0.05 (0.002)	0.2 (0.008)
Rear wheel rim runout (Axial)	0—1.0 (0—0.039)	2.0 (0.08)
(Radial)	0—1.0 (0—0.039)	2.0 (0.08)
Rear brake lining thickness	5.0 (0.20)	2.0 (0.08)
Rear brake drum I.D.	180 (7.087)	181 (7.126)
Swing arm pivot bushing I.D.	21.500—21.552 (0.8465—0.8485)	21.7 (0.854)
Swing arm center collar O.D.	21.427—21.460 (0.8436—0.8449)	21.3 (0.839)
Rear shock absorber spring free length	232.7 (9.16)	220 (8.66)

TORQUE VALUES

Listed below are the special fastener torque limits. These fasteners except the standard parts should be tightened to the torques shown below:

Rear wheel axle nut	8—10 kg-m (57.9—72.3 lbs.-ft.)
Final driven sprocket fixing nut	5.5—6.5 kg-m (39.8—47.0 lbs.-ft.)
Wheel spokes	0.3—0.4 kg-m (2.2—2.9 lbs.-ft.)
Swing arm pivot bolt	5.5—7.0 kg-m (39.8—50.6 lbs.-ft.)
Rear shock absorber	3.0—4.0 kg-m (21.7—28.9 lbs.-ft.)

SPECIAL TOOLS

Rear wheel bearing retainer wrench	07910—3930000
Rear wheel bearing retainer wrench	07910—2830000
Bearing driver attachment (6304)	07946—3710200
Bearing driver attachment (6305)	07946—3600000
Driver handle	07949—6110000
Shock absorber compressor	07959—3290000

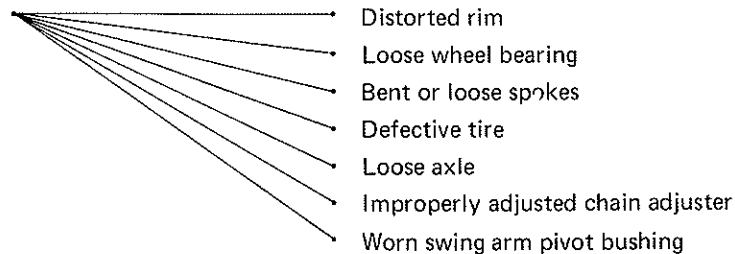


● TROUBLESHOOTING

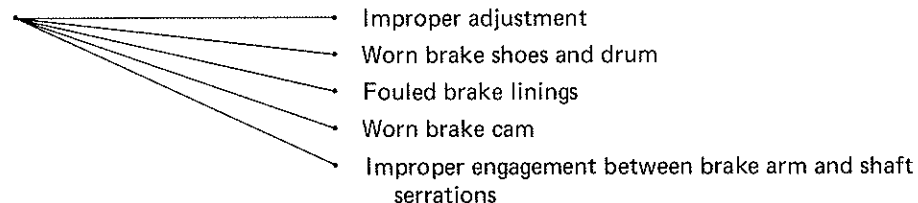
SYMPTOM

POSSIBLE CAUSE

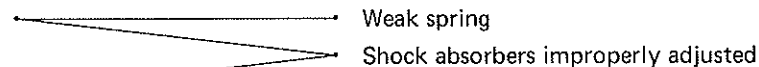
Wheel Wobbles

Steers to One Side or Does Not
Track Straight

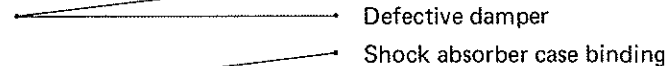
Poor Brake Performance



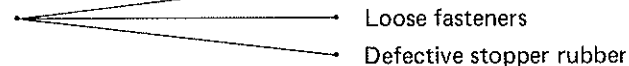
Soft Suspension



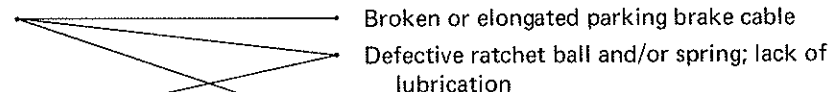
Hard Suspension



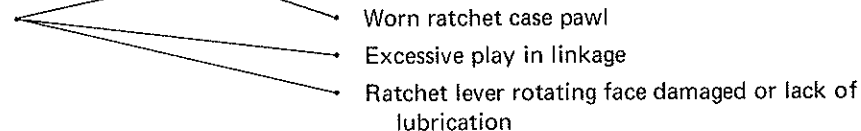
Suspension Noise



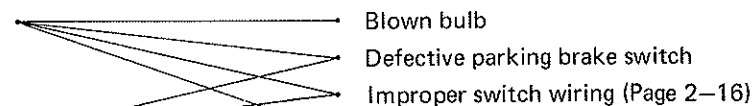
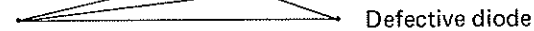
Parking Brake Not Applied



Parking Brake Not Released



Parking Brake Warning Lamp Not On

Parking Warning Buzzer Not
Sounding



● DISASSEMBLY/ASSEMBLY

('77 Model)

(1) REAR WHEEL

Assembly/Disassembly,
Page 16-4.

COMSTAR WHEEL

('78)

Assembly/Disassembly,
Page 16-5

(2) REAR SHOCK
ABSORBER

Assembly/Disassembly,
Page 16-8.

(3) SWING ARM

Assembly/Disassembly,
Page 16-7.

3.0-4.0 kg-m
(21.7-28.9 lbs.-ft.)

8.0-10.0 kg-m
(57.9-72.3 lbs.-ft.)

(4) PARKING BRAKE

Disassembly/Assembly,
Page 16-9, 16-10.

BRAKE PEDAL

Align the punch marks on
the pedal and pedal shaft.

REAR STOPLIGHT
SWITCH

GREASE

('76 Model)

5.5-7.0 kg-m
(39.8-50.6 lbs.-ft.)

* After assembling, inspect the following items and adjust if necessary:

- Rear brake adjustment Page 4-19, 20
- Drive chain tension adjustment Page 4-16
- Stoplight switch adjustment Page 4-21



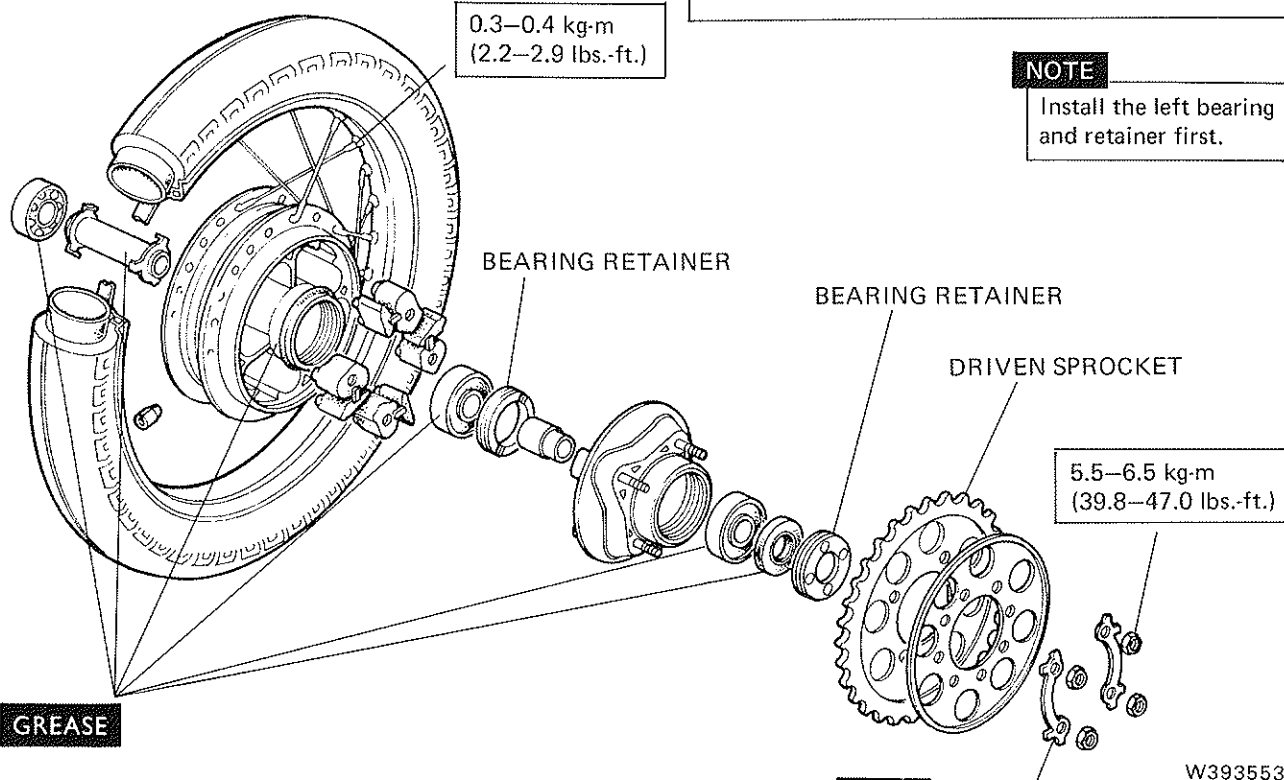
• REAR WHEEL/REAR BRAKE
(’76 and ’77 Models)

WARNING

Do not get grease on the brake lining or drum.

NOTE

Install the left bearing and retainer first.



NOTE

Replace the lock plates when disassembled.

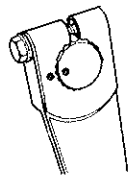
1.8–2.5 kg-m
(13.0–18.1 lbs.-ft.)

BRAKE PANEL

BRAKE SHOE

BRAKE ARM

NOTE



Align the punch marks.

GREASE



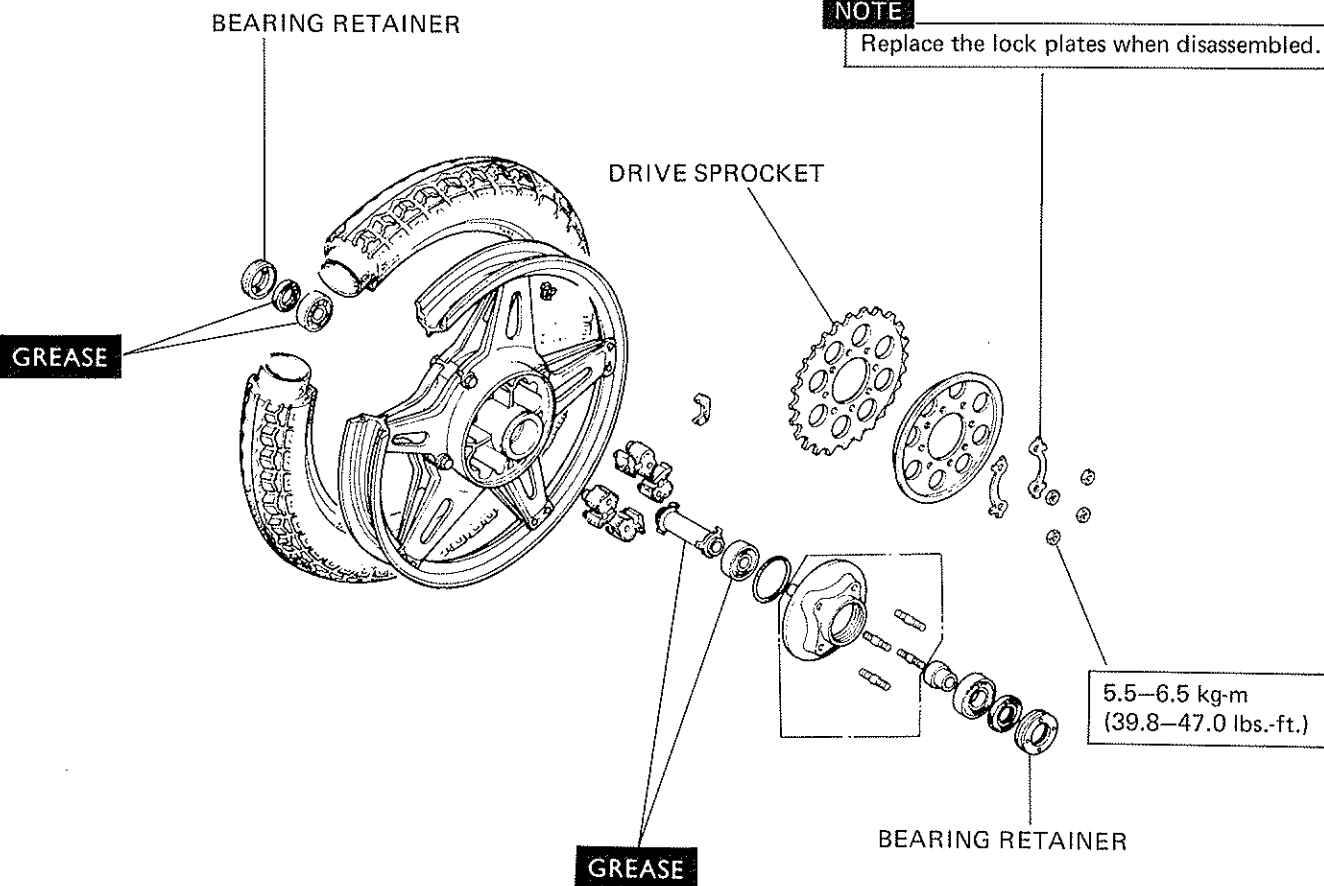
• REAR WHEEL ('78 Model)

NOTE

Install the right bearing and retainer first.

WARNING

Do not get grease or oil on the brake shoes or drum.



NOTE

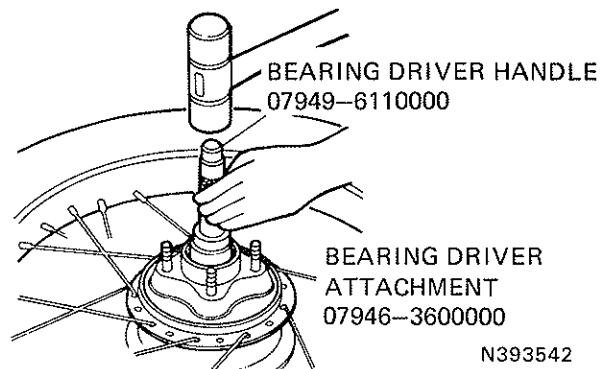
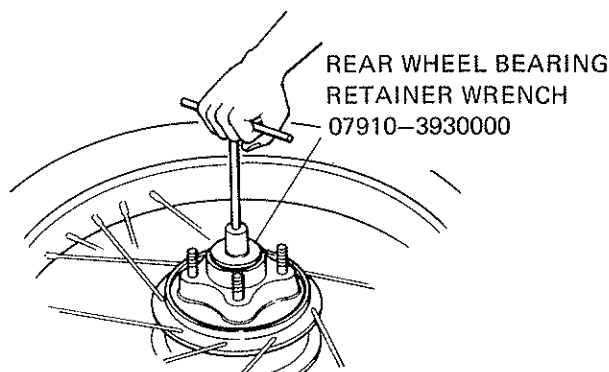
A rim band is not used for the COMSTAR Wheel.



- REAR WHEEL BEARING
- FINAL DRIVEN FLANGE

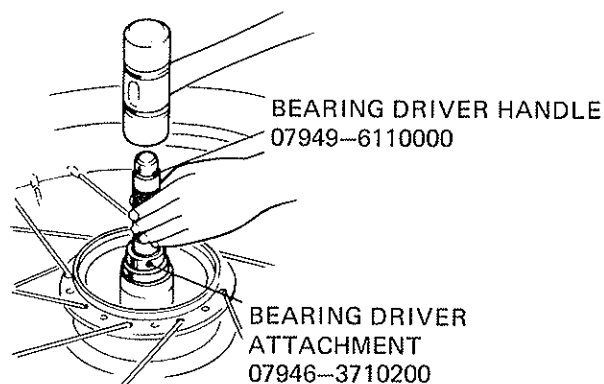
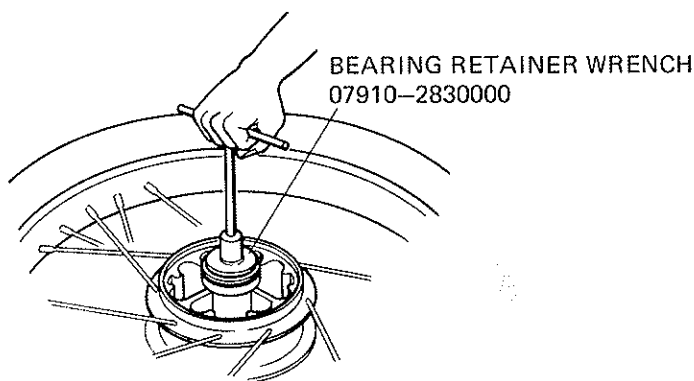
NOTE

Install the bearing with the sealed side outward and drive it squarely.



- Inspect the retainer and replace if cross threaded.
- After installing a new retainer, stake at two places.

- REAR WHEEL HUB



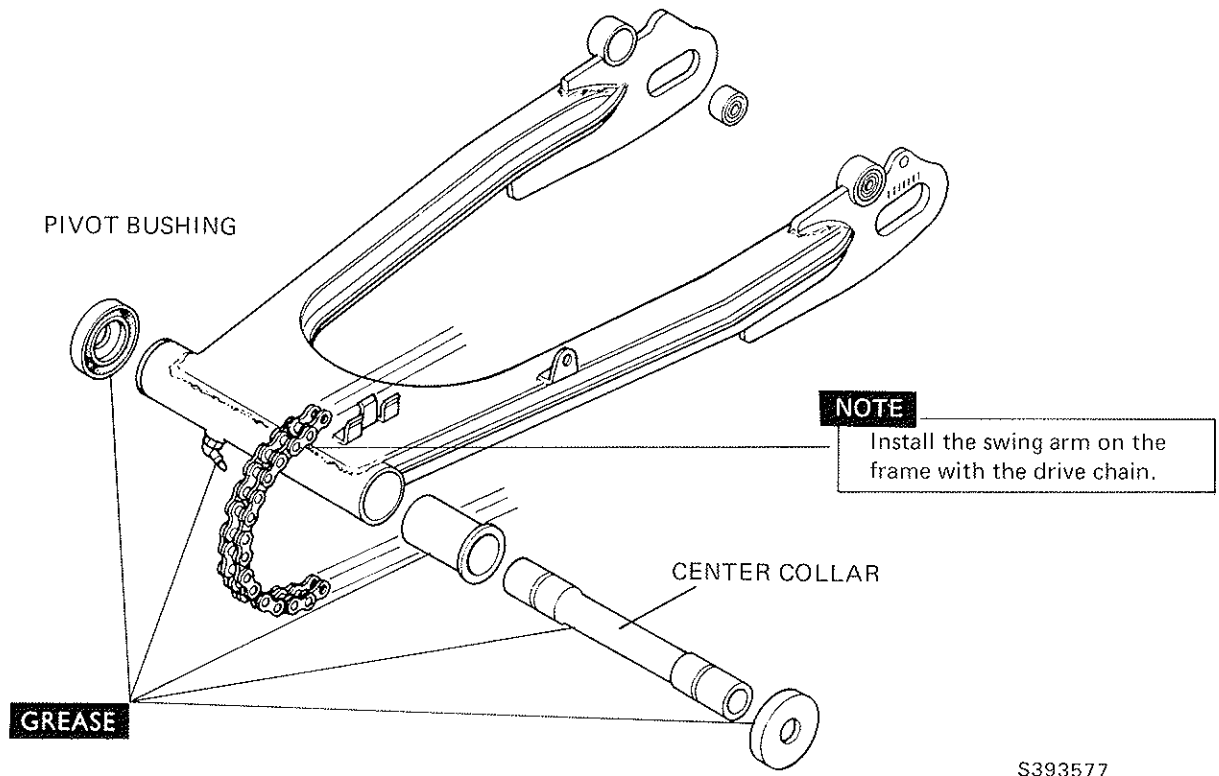
- Inspect the retainer and replace if cross threaded.
- After installing a new retainer, stake at two places.

Install the bearing on the retainer side and retainer first, then install the distance collar and right bearing.

- Install the bearing with the sealed end facing outward and drive it squarely.
- Do not tilt the distance collar during operation.

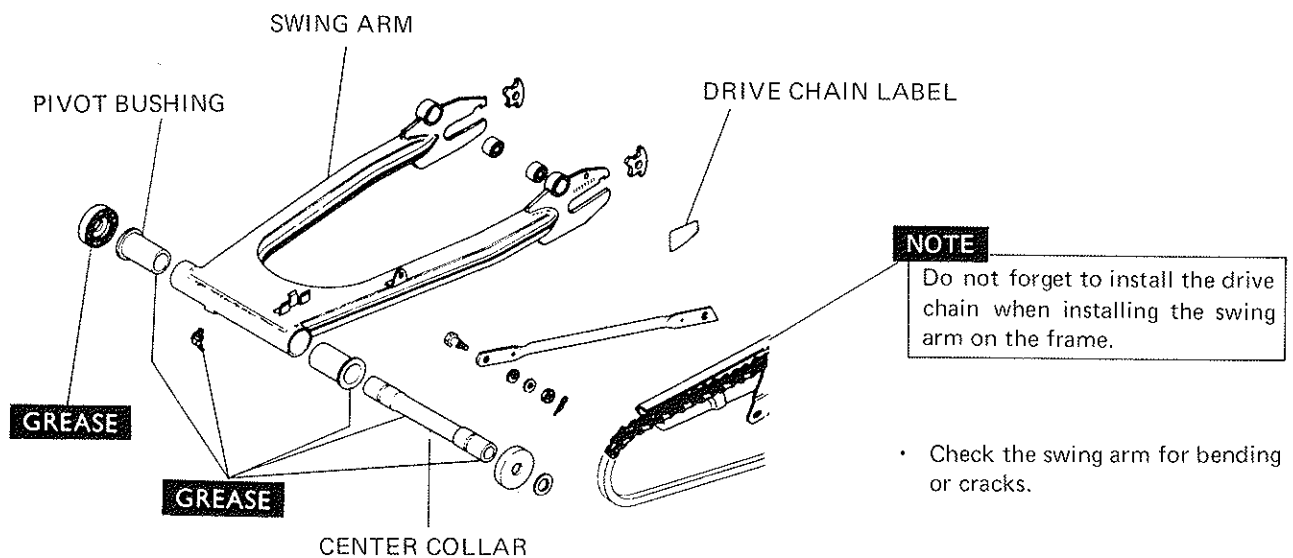


• **SWING ARM**
(‘76 Model)



- Check the swing arm for bending or cracks.

(‘77 and ‘78 Models)



- Check the swing arm for bending or cracks.

16 DISASSEMBLY/ ASSEMBLY

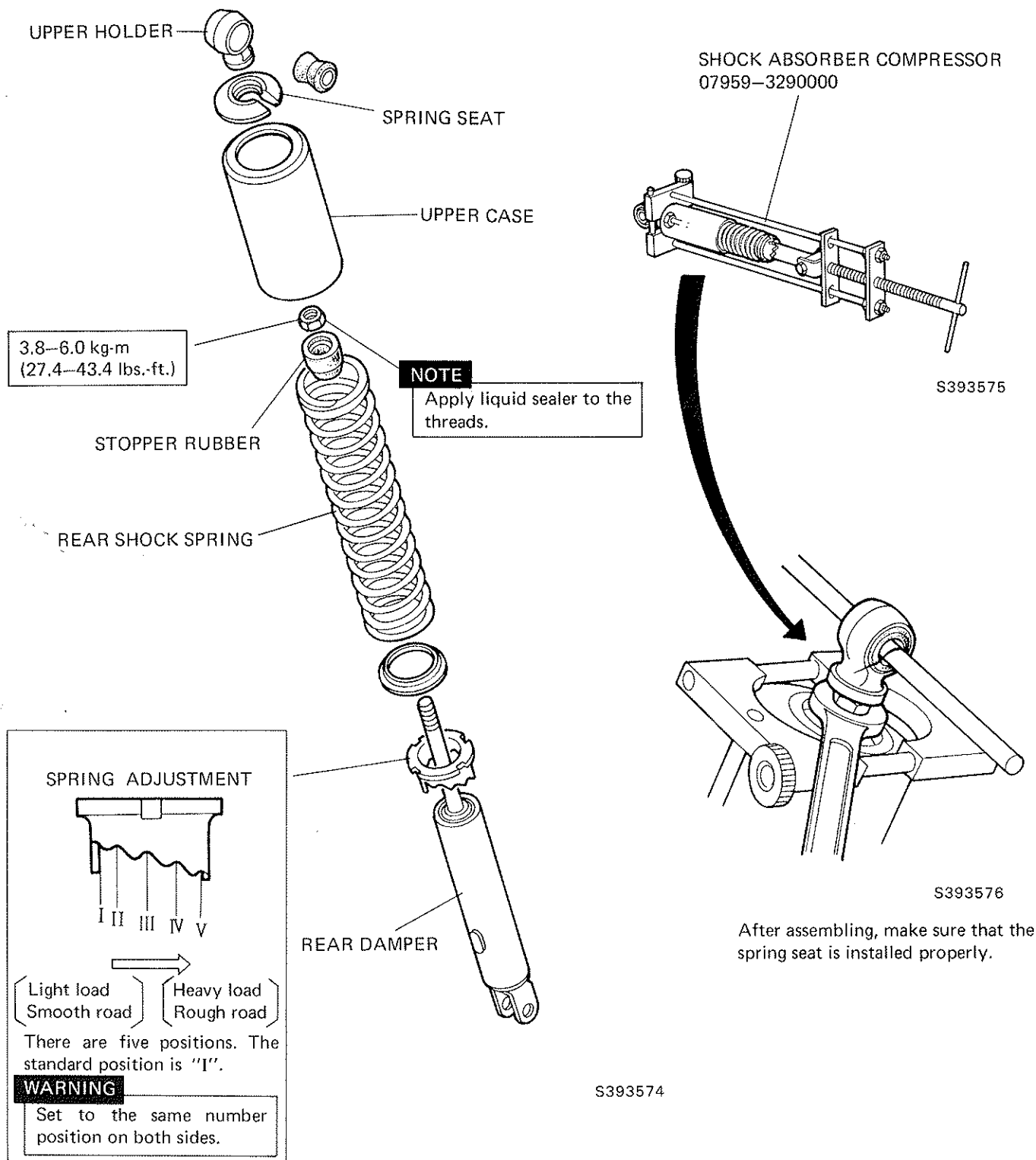
REAR WHEEL/ SUSPENSION/SWING ARM

HONDA
CB750A



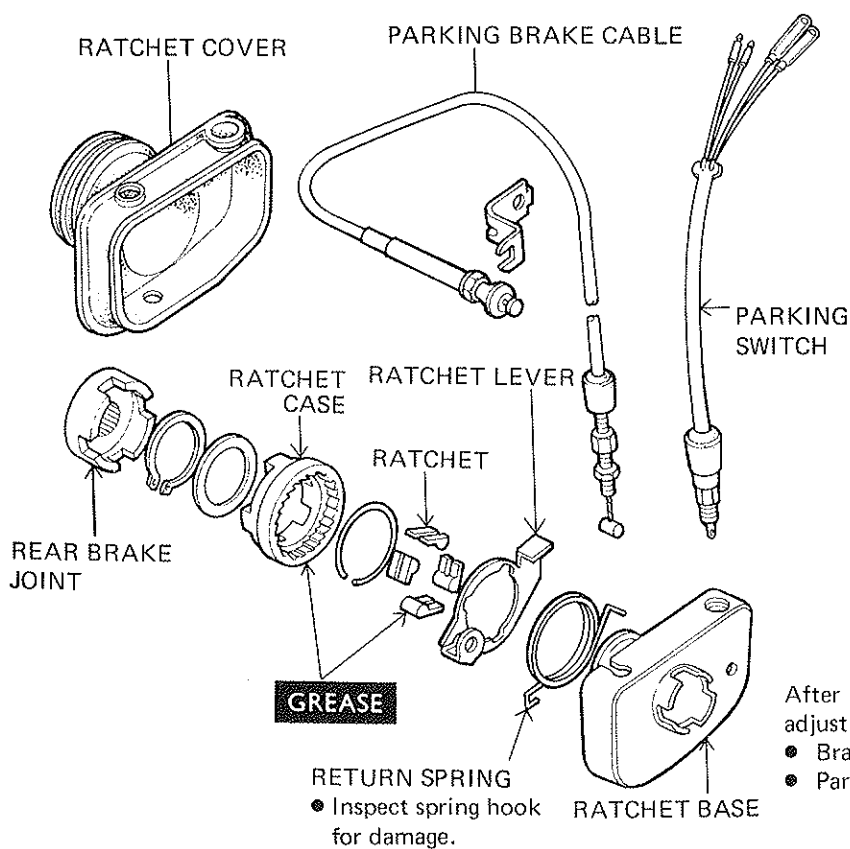
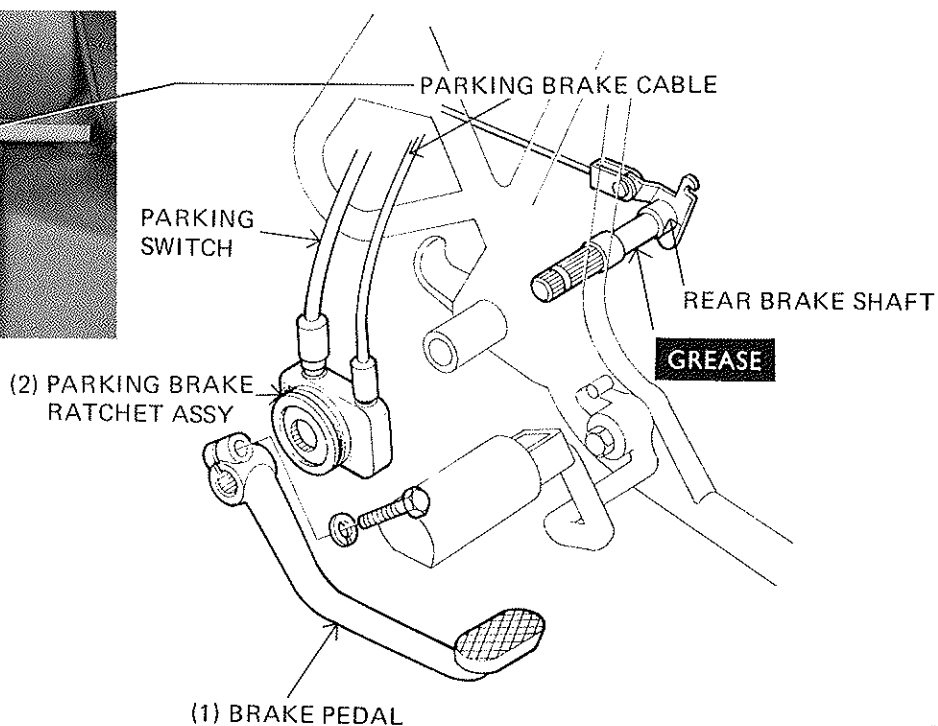
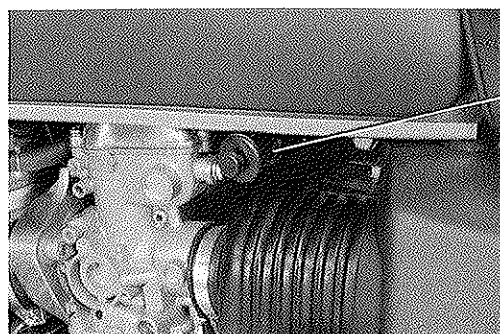
• REAR SHOCK ABSORBER

- (1) Set the rear shock absorber in the tool as shown and remove the lock nut.





● PARKING BRAKE SYSTEM ('76 Model)



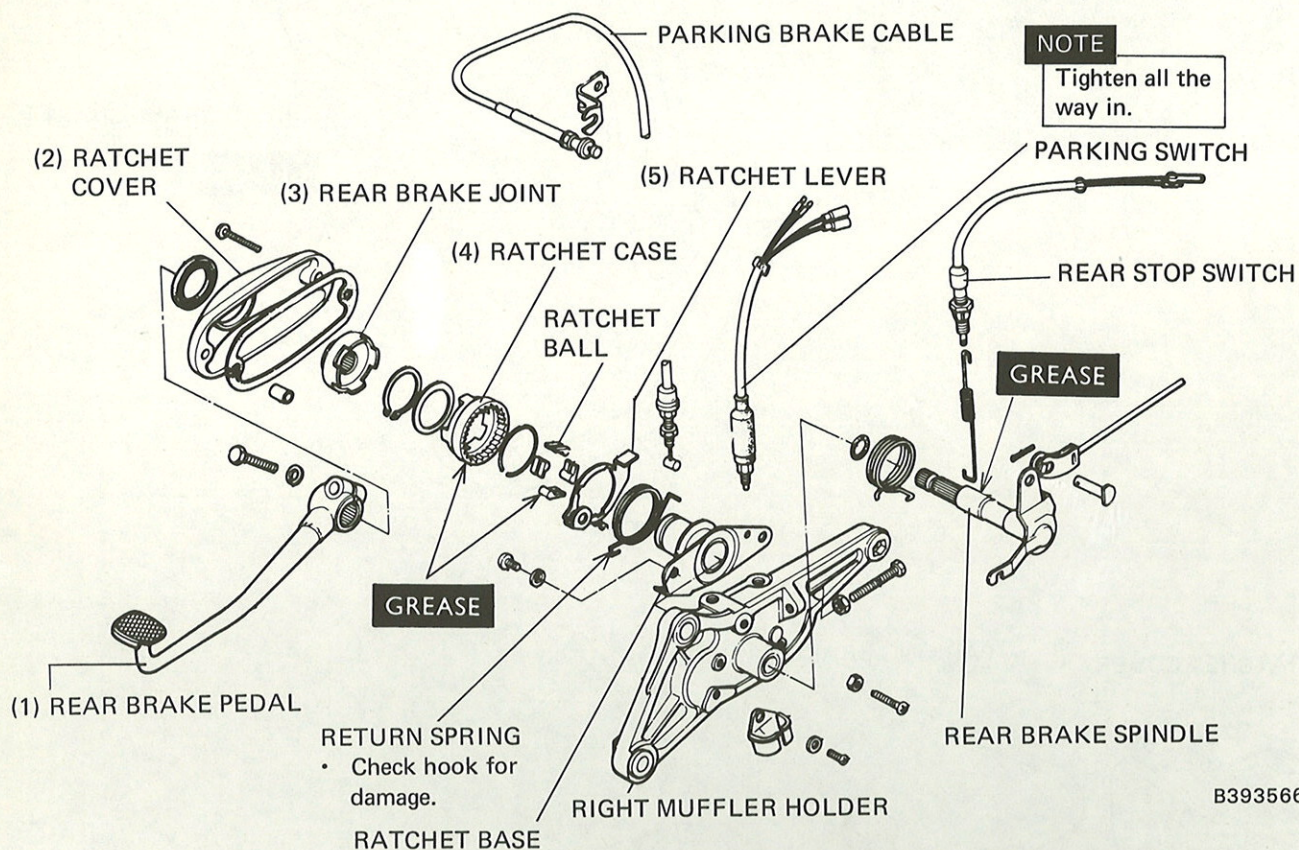
After assembling, inspect the following items and adjust if necessary.

- Brake pedal free play 20–30 mm (0.8–1.2 in.)
- Parking brake cable free play 2 mm (0.08 in.)

(Page 4–20)



• PARKING BRAKE SYSTEM ('77 and '78 Models)



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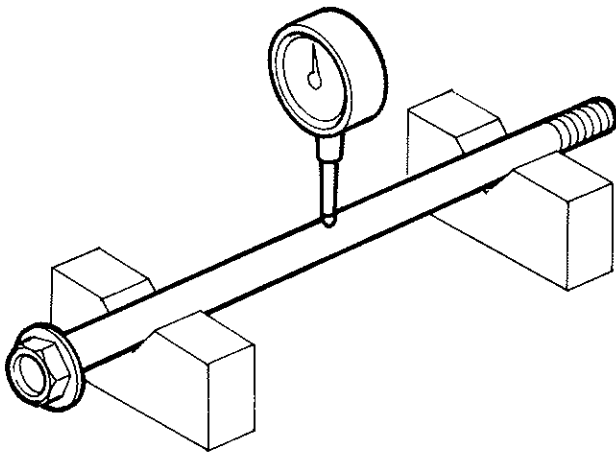
After assembling, inspect the following items and adjust if necessary.

- Brake pedal free play 20–30 mm (0.8–1.2 in.)
- Parking brake cable free play 2 mm (0.08 in.)



● **INSPECTION**

● **REAR AXLE RUNOUT**

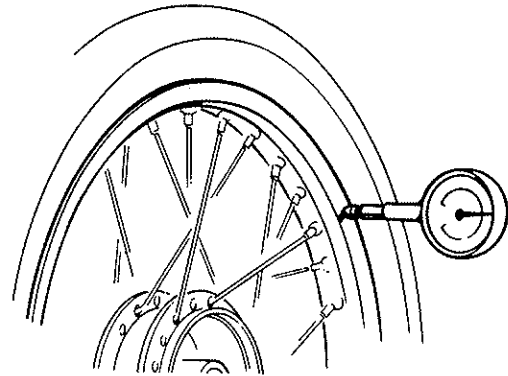


I393631

Use 1/2 of T.I.R. (Total indicator reading).

Standard	0–0.05 mm (0–0.002 in.)
Service Limit	0.2 mm (0.008 in.)

● **REAR WHEEL RIM RUNOUT**

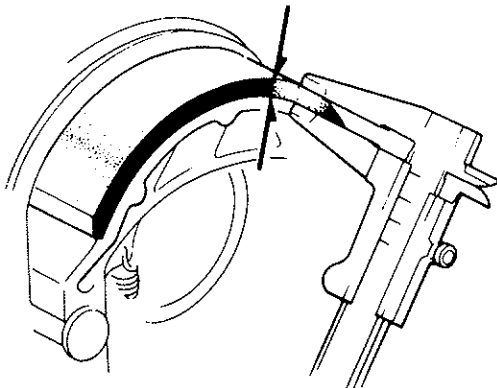


W149542

Check the rim for distortion on the flange or any other defects.

Standard	0–1.0 mm (0–0.039 in.)
Service Limit	2.0 mm (0.08 in.)

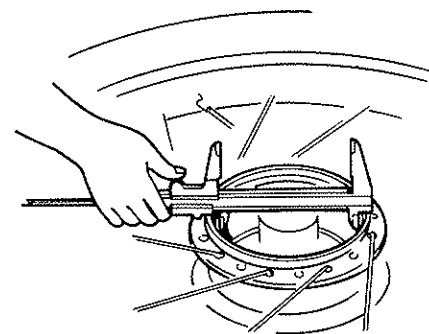
● **REAR BRAKE LINING THICKNESS**



B149521

Standard	5.0 mm (0.20 in.)
Service Limit	2.0 mm (0.08 in.)

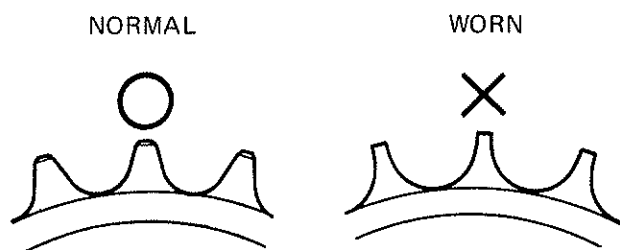
● **REAR BRAKE DRUM I.D.**



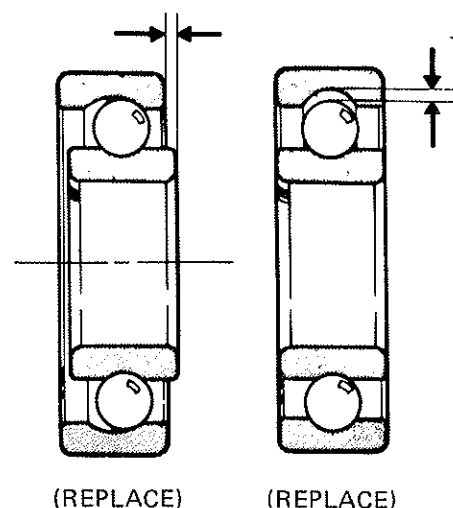
Standard	180 mm (7.087 in.)
Service Limit	181 mm (7.126 in.)

REAR WHEEL/ SUSPENSION/SWING ARM

HONDA
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• FINAL DRIVEN SPROCKET WEAR
• WHEEL BEARING PLAY


W149549

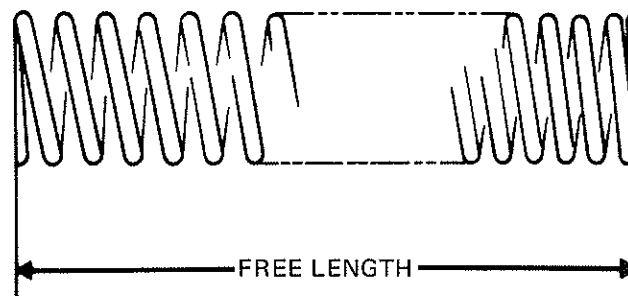


Also check the drive chain and drive sprocket for wear.

- Replace the bearing if there is excessive play.
- Replace the bearing if it is noisy when spinning the outer race by hand.

• SWING ARM PIVOT BOLT-TO-PIVOT BUSHING CLEARANCE

Pivot bushing I.D.	21.500–21.552 mm (0.8465–0.8485 in.)	21.7 mm (0.854 in.)
Center collar O.D.	21.427–21.460 mm (0.8436–0.8449 in.)	21.3 mm (0.839 in.)

• REAR SHOCK ABSORBER SPRING FREE LENGTH


Standard	232.7 mm (9.16 in.)
Service Limit	220 mm (8.66 in.)



HONDA
CB750A

17. FRAME BODY RELATED PARTS

FUEL TANK

• ASSEMBLY/DISASSEMBLY

WARNING

- Keep away from open flame or lighted cigarette.
- Store gasoline in a safe place.

FUEL TANK SENDING UNIT
Disassembly/Assembly,
Page 17-2.

FILLER CAP

- Inspect for clogged vent holes

NOTE

Make sure that the cables and wires are not pinched between the fuel tank and frame.

NOTE

Before disassembling, drain fuel from the fuel tank thoroughly. After assembling, fill the tank with fuel and check for leaks.

FUEL TANK SENDING UNIT CORDS

NOTE

Do not forget to install.

FUEL FILTER SCREEN

NOTE

Wash in solvent and air dry.

FUEL TANK OVERFLOW TUBES

NOTE

Do not forget to install.

NOTE

Make sure that the O-ring is installed properly at assembly.

- Check for damage.

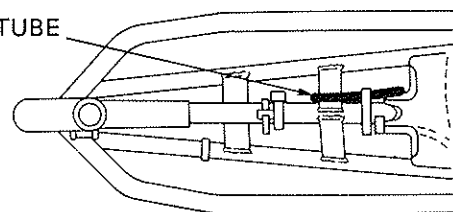
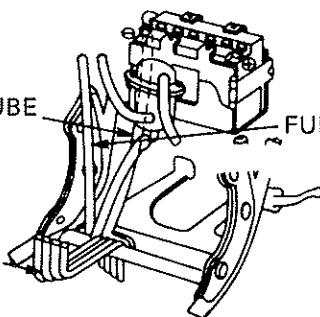
CAUTION

When installing route the breather and overflow tube, as shown. Do not bend or kink the tube.

BATTERY
BREATHER TUBE

FUEL TANK OVERFLOW TUBE

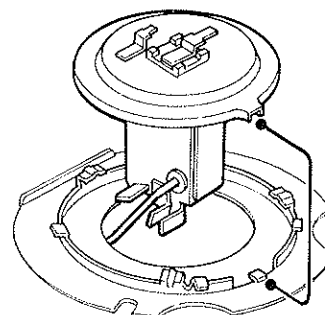
CARBURETOR
OVERFLOW TUBE





• FUEL TANK SENDING UNIT REMOVAL

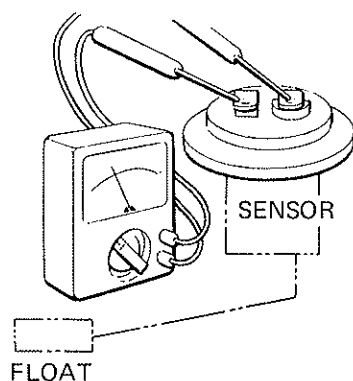
50 mm LOCK NUT WRENCH
07920-6710001



Align the sensor slot with the tank tab.

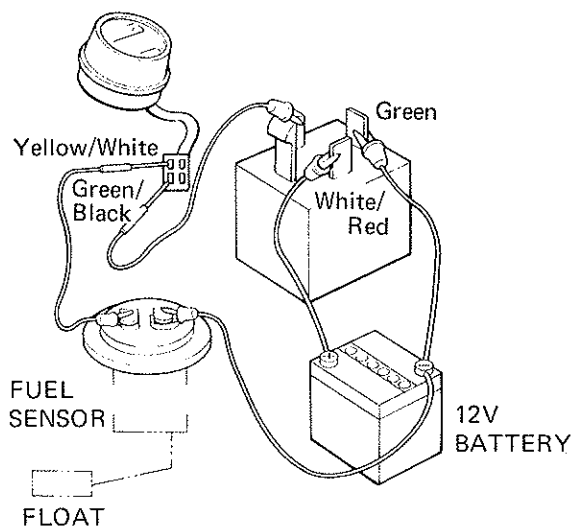
• FUEL TANK SENDING UNIT INSPECTION

• CONTINUITY TEST



CAPACITY:
FULL : 6-10 Ω
EMPTY: 75-80 Ω

• FUEL GAUGE OPERATION CHECK



FLOAT AT LOWER LIMIT: Gauge should register "E".
FLOAT AT UPPER LIMIT : Gauge should register "F"

CAUTION

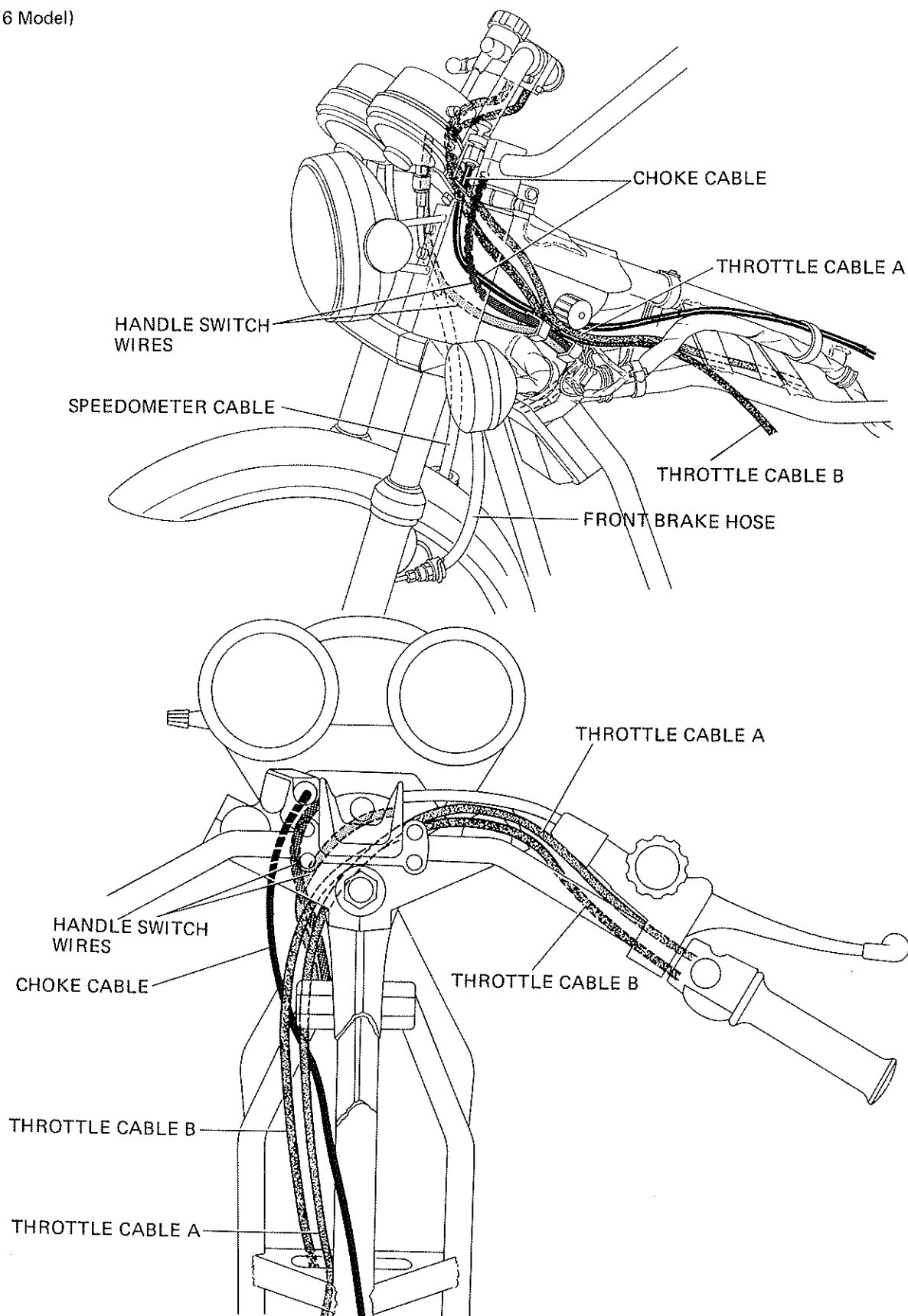
The fuel gauge is rated at 7V. Do not connect the gauge directly to a 12V battery.



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CB750A

18. WIRING

('76 Model)



**WIRING**

('77 and '78 Model)

