

Set-up Instructions



MPD 598 8607

AMERICAN HONDA MOTOR CO., INC.
100 WEST ALONDRA BOULEVARD, GARDENA, CALIFORNIA 90247

1987 Model ATC125M

WARNING

SET-UP AND PRE-DELIVERY SERVICE MUST BE PERFORMED BY AN AUTHORIZED HONDA ALL TERRAIN VEHICLE (ATV) DEALER. Proper set-up and pre-delivery service is essential to rider safety and reliability of the vehicle. An error or oversight made by the mechanic assembling and servicing a new unit can easily result in faulty operation, damage to the vehicle, or even injury to the rider.



NOTE:

- Right and left are determined from the rider's view.

SET-UP INSTRUCTION REVISED PAGES

Pages Affected

Rev. Date

Remove and destroy superseded pages.

Pay special attention to warnings, cautions, and notes.

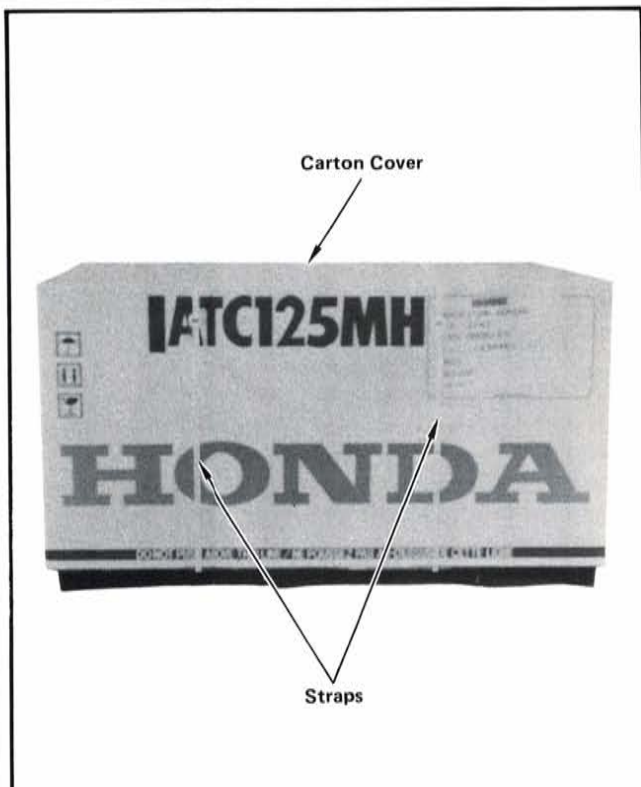
WARNING means hazards or unsafe practices which could cause severe personal injury or death.

CAUTION: means hazards or unsafe practices which could cause minor personal injury or product or property damage.

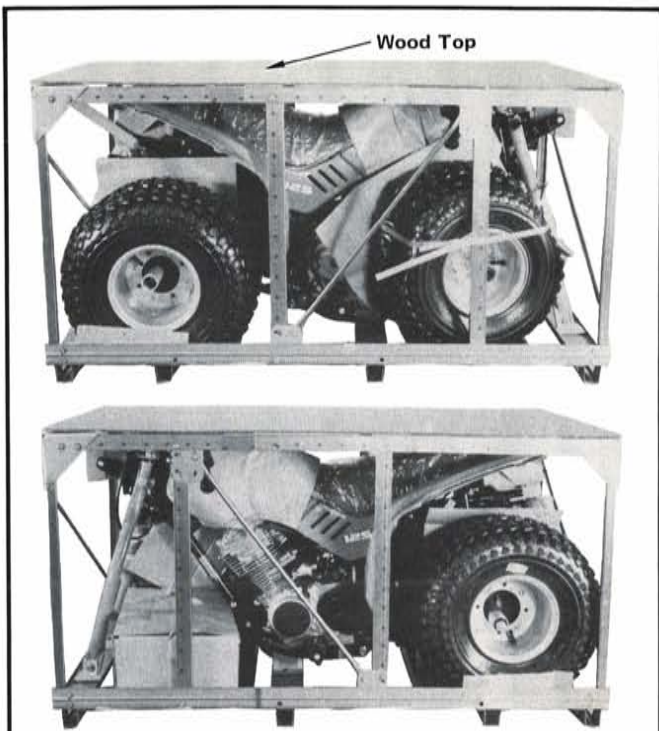
NOTE: gives helpful information.

TORQUE TABLE

ITEM	SIZE	TORQUE
Front fork bolts	-----	6.0 kg-m (44 lb-ft)
Handlebar holder bolts	-----	2.4 kg-m (18 lb-ft)
Rear wheel flange nuts	10 mm	5.5 kg-m (40 lb-ft)
Rear axle nuts	14 mm	9.0 kg-m (65 lb-ft)
Front fender bolts	6 x 25 mm	1.0 kg-m (7 lb-ft)
Front axle nut	14 mm	11 kg-m (80 lb-ft)

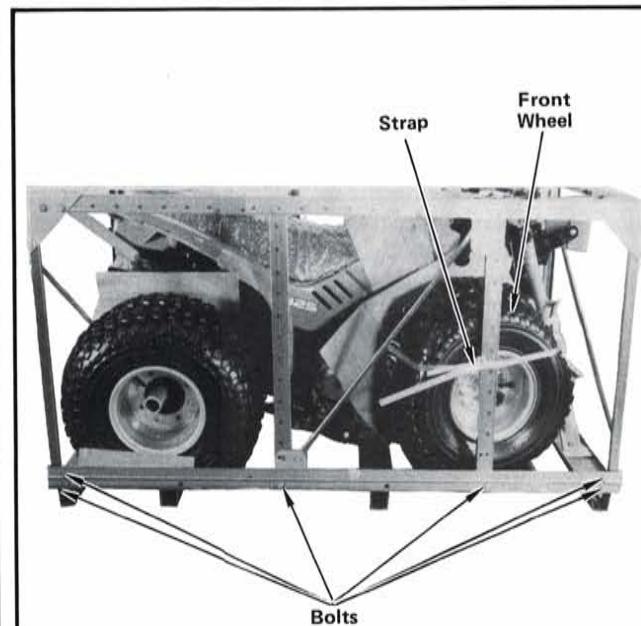


STEP 1—Cut the straps and remove the carton cover.



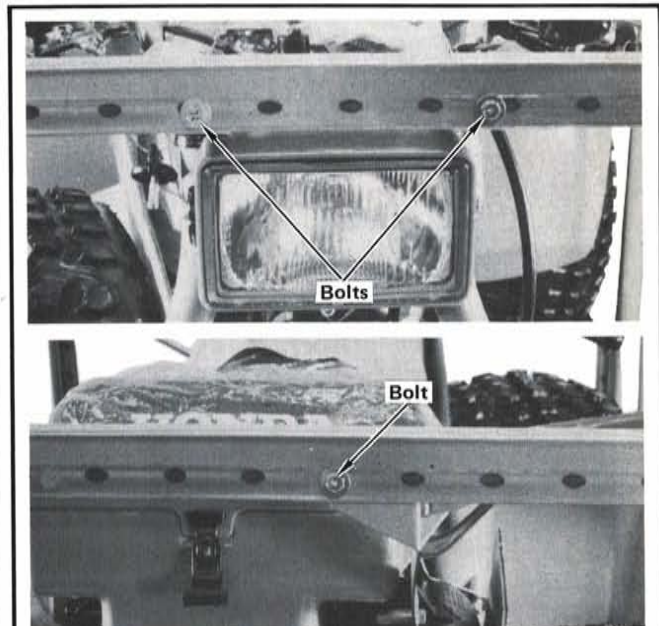
STEP 2—Remove and discard the crate wood top.

NOTE: 1986 model shown; 1987 model similar



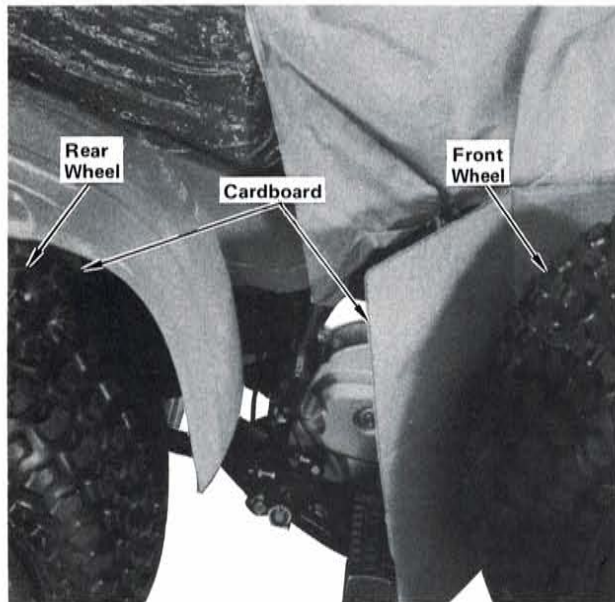
STEP 3—Cut the straps holding the front wheel to the side brace. Remove and discard twelve bolts attaching crate ends and side braces to base.

NOTE: 1986 model shown; 1987 model similar

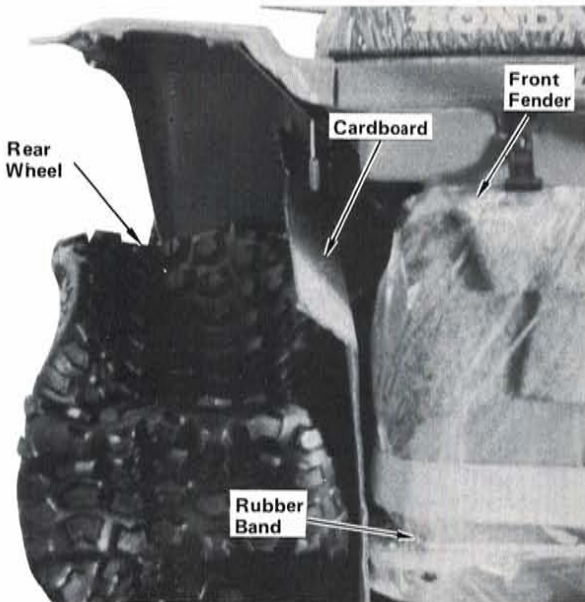


STEP 4—Remove and discard the bolts attaching front and rear shipping brackets to the crate ends. Carefully remove the crate frame using two people. Discard frame.

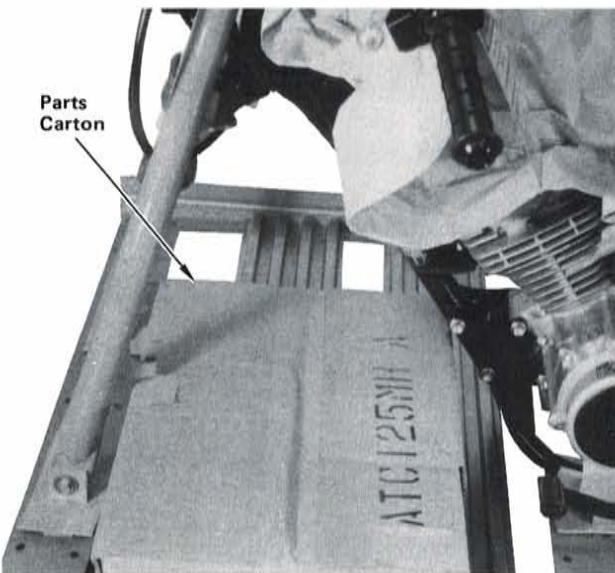
CAUTION: Use care not to damage the vehicle when removing frame.



STEP 5—Remove the front and rear wheels and discard cardboard protectors.



STEP 6—Remove the rear wheel and cardboard protectors. Remove the rubber bands and the front fender.

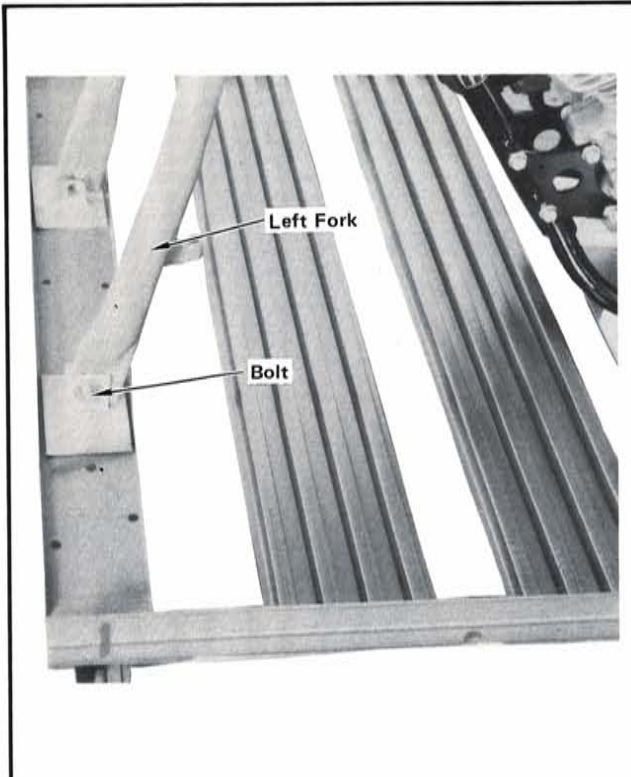


STEP 7—Remove the parts carton from crate base.

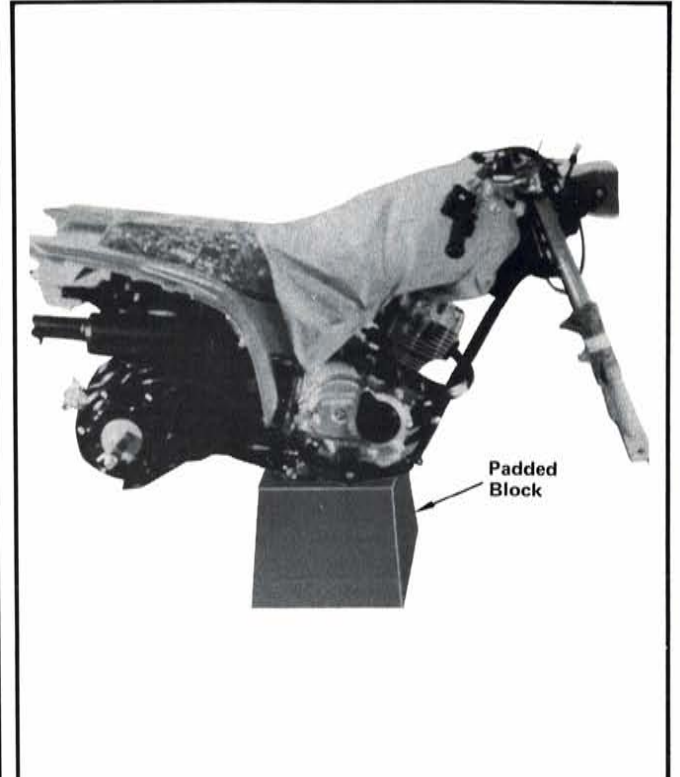


STEP 8—Remove the front shipping bracket by loosening fork bolts. Retighten bolts to the specified torque. Remove the rear shipping bracket by removing the bolt and collar. Discard bolts, brackets and collar.

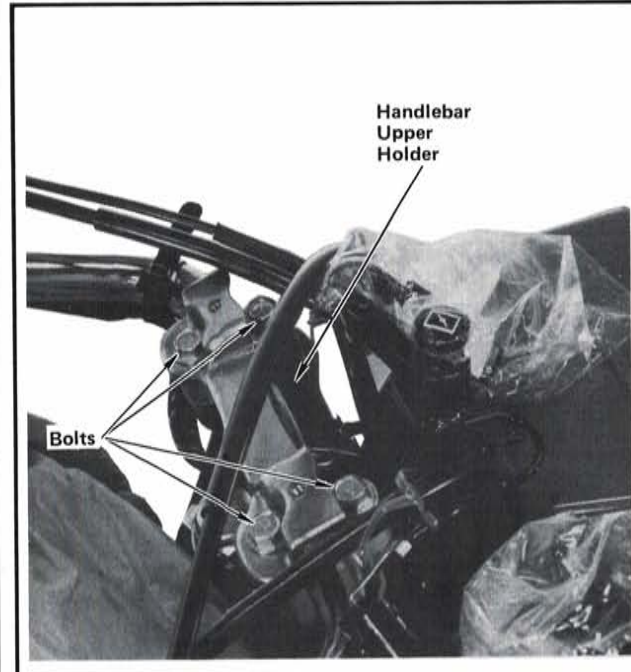
Torque specification:
6.0 kg-m (44 lb-ft)



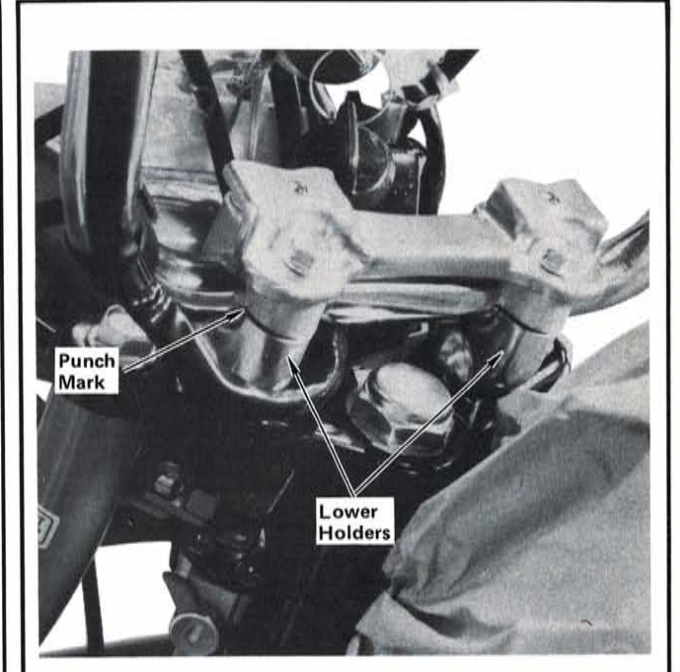
STEP 9—Remove and discard the bolt attaching left fork to crate base.



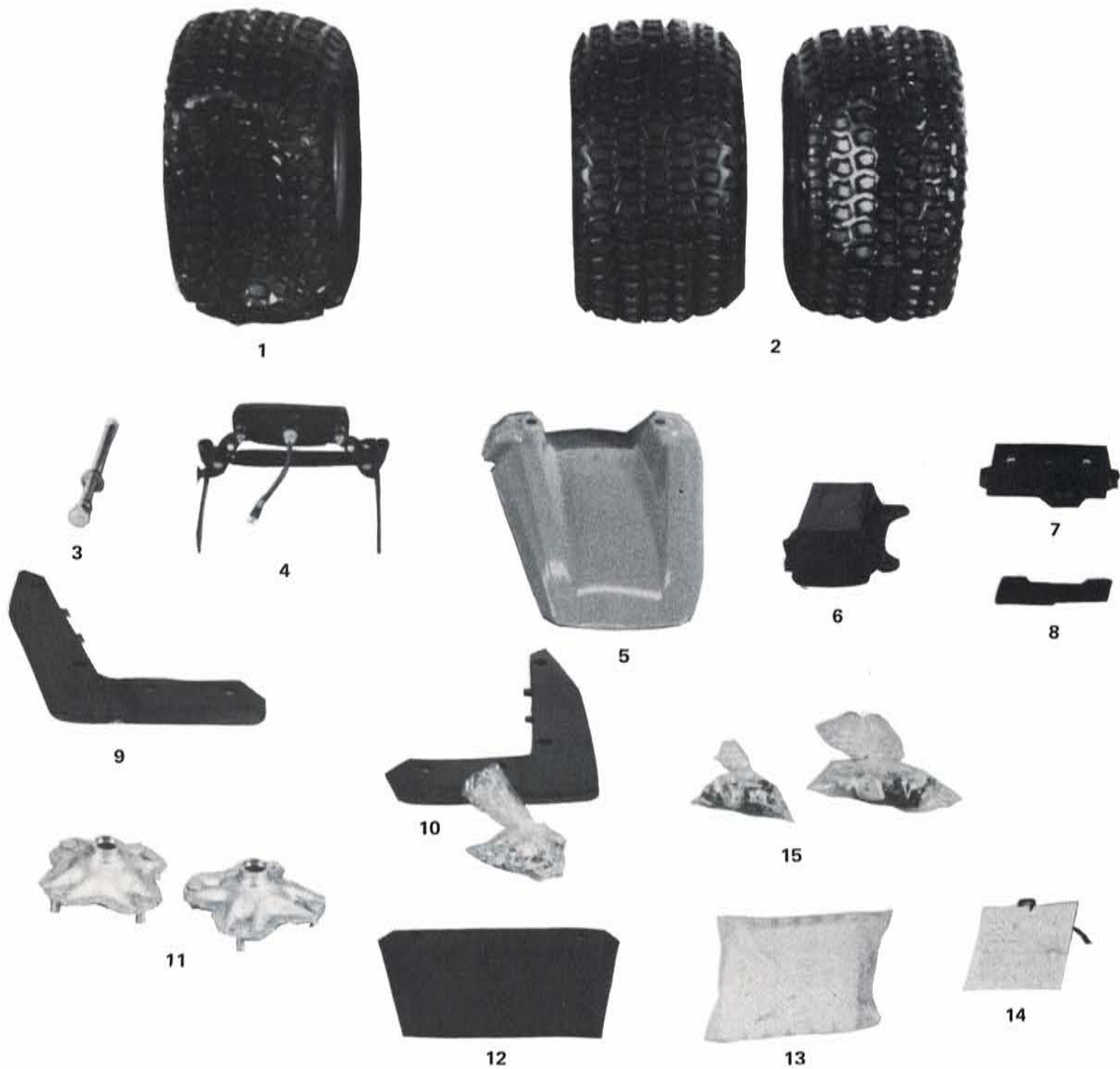
STEP 10—Place the vehicle on a padded block, centered under the engine as shown.



STEP 11—Loosen the four bolts attaching handlebar upper holder.



STEP 12—Raise the handlebar grips until the punch mark on the handlebar is aligned with top of lower holder and the serrations are aligned with lower holders.



STEP 13—Unpack remaining loose parts and check against this illustration. Report any damaged or missing parts immediately to American Honda Motor Co., Inc., 100 West Alondra Blvd., Gardena, California 90248-2702.

Damaged or Missing Parts

Identify missing parts by referring to the "Loose Parts List" on the following page. Order parts through normal parts ordering procedures.

It is necessary to differentiate between parts lost or damaged in transit, and parts left out by the factory.

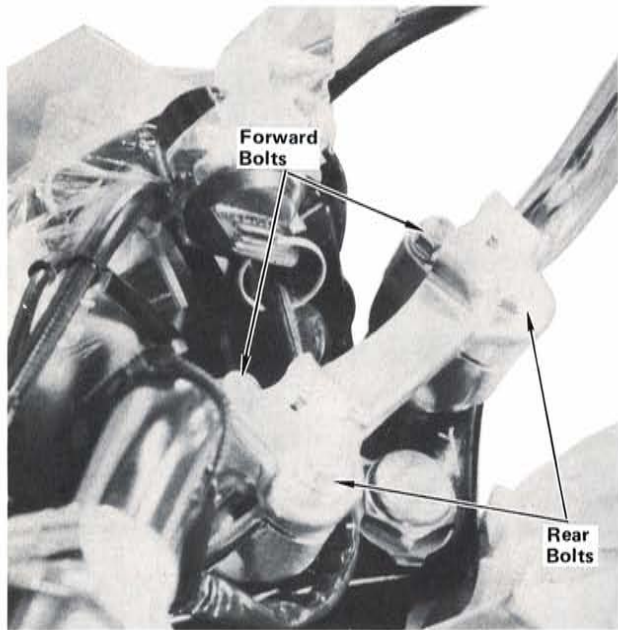
- For parts lost or damaged in transit, file a SHIPPING DAMAGE CLAIM.
- For parts left out by the factory, file a M/C WARRANTY CLAIM SO 908.

STEP 13—(Continued)

LOOSE PARTS LIST

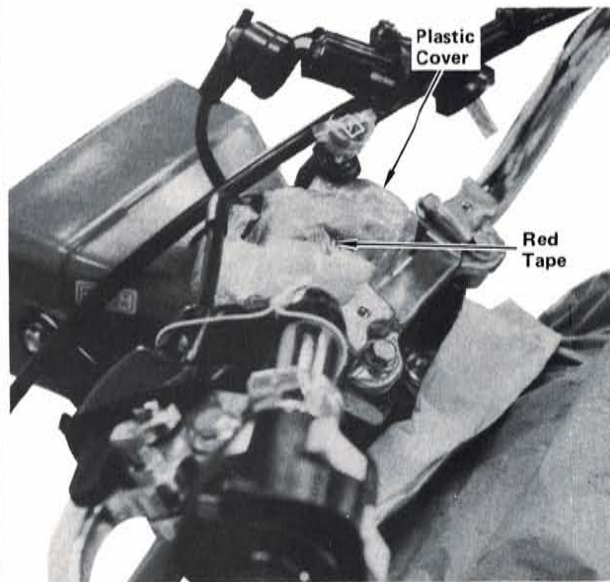
The following is a list of items contained in the shipping crate:

PART NAME	QTY	PART NUMBER
1. Front wheel	1	-----
Front brake panel	1	45000-HB6-000
2. Right rear wheel assy	1	-----
Left rear wheel assy	1	-----
3. Front axle	1	44301-HB6-000
4. Taillight assy	1	-----
5. Front fender	1	61100-HB6-010
6. Tool box assy	1	-----
7. Handlebar cover	1	-----
8. Emblem	1	53203-HB3-000
9. Left rear mudguard	1	80112-HB6-000
10. Right rear mudguard	1	80111-HB6-000
11. Rear wheel hub	2	42410-VM6-000
12. Front mudguard	1	61111-HB6-000
13. Battery electrolyte	1	31540-HA0-680
14. Throttle tag	1	87600-VM6-680
15. Attaching hardware		
7 x 12 mm washer	2	90501-310-000
4 x 12 mm self-tapping screw	2	93903-24320
5 x 20 mm screw washers	2	93894-05020-08
Special screw (mudguard)	2	90102-HB6-000
Anchor clip	2	90801-HB6-000
6 x 25 mm flange bolt	4	90108-MJ1-000
6 mm special flange nut	2	61304-HB3-003
Front brake guide	1	45467-HB6-010
Fender mount rubber	4	61103-430-000
Fender flanged collar	4	61104-444-000
NHC 6 mm	2	94021-06000-0S
Spacer	1	44312-VM4-680
14 mm axle nut (front)	1	90305-GE8-003
Spacer	1	
18 mm axle nut (rear)	2	90305-HB6-000
4 x 40 mm cotter pin	2	94201-4-400
10 mm flange nut	8	90304-GE8-003
8 x 16 mm flange bolt	4	95700-08016-08
8 x 45 mm flange bolt	1	95700-08045-08
Tool box stay A	1	83513-VM6-680
Tool box stay B	1	83514-VM6-680
Tool box mounting collar	1	83512-HB3-000
Tool box flange collar	2	83511-VM6-680

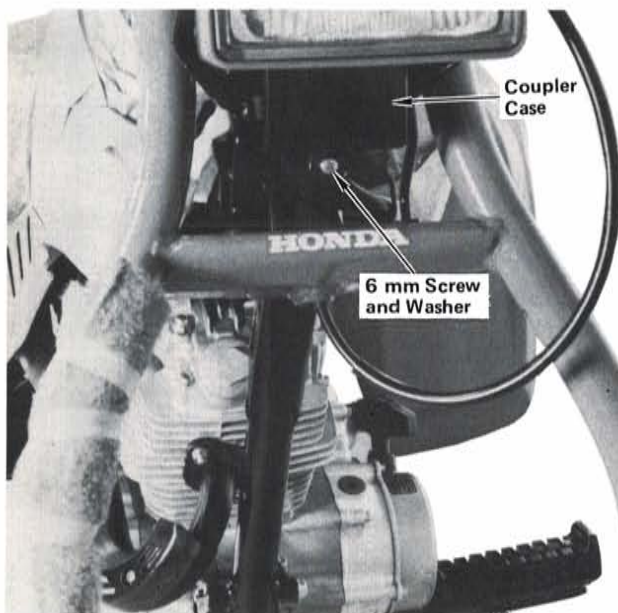


STEP 14—Tighten the forward bolts to specified torque first, then tighten the rear bolts to same torque.

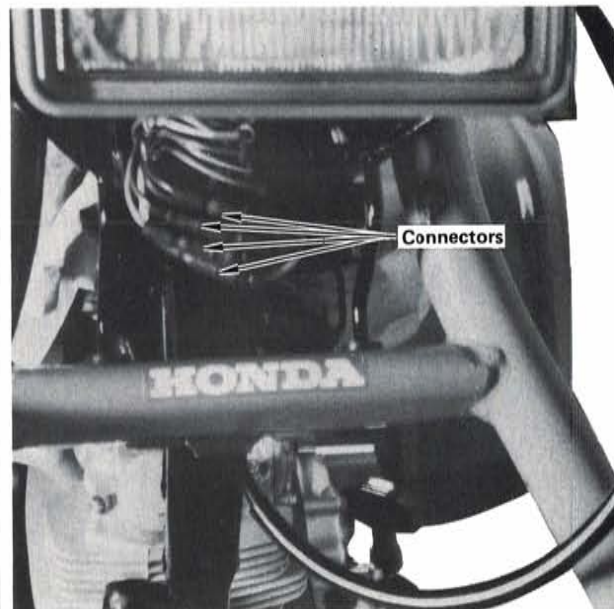
Torque specification:
2.4 kg-m (18 lb-ft)



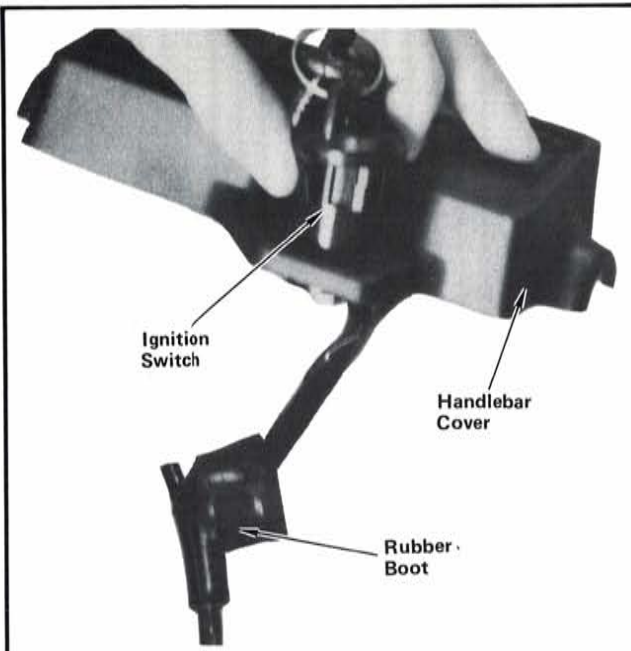
STEP 15—Remove and discard the protective plastic cover and red tape holding the cables and wire harness.



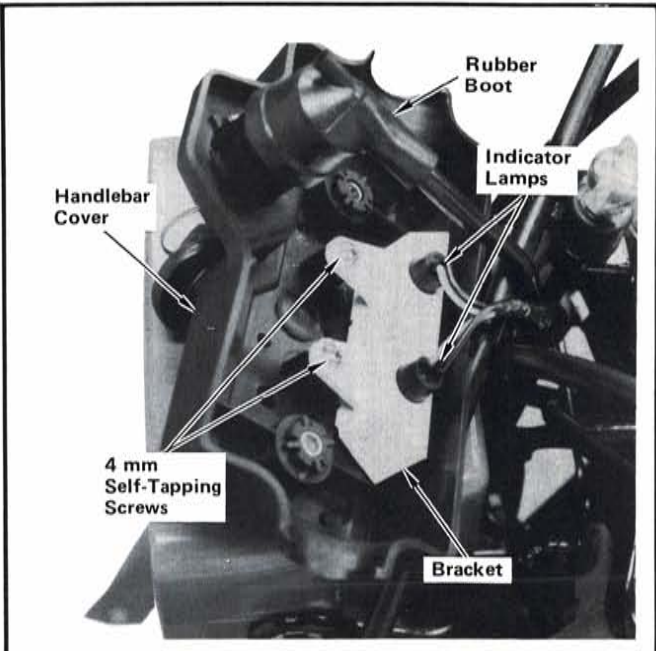
STEP 16—Remove the coupler case from under the headlight case by removing a 6 mm screw and washer.



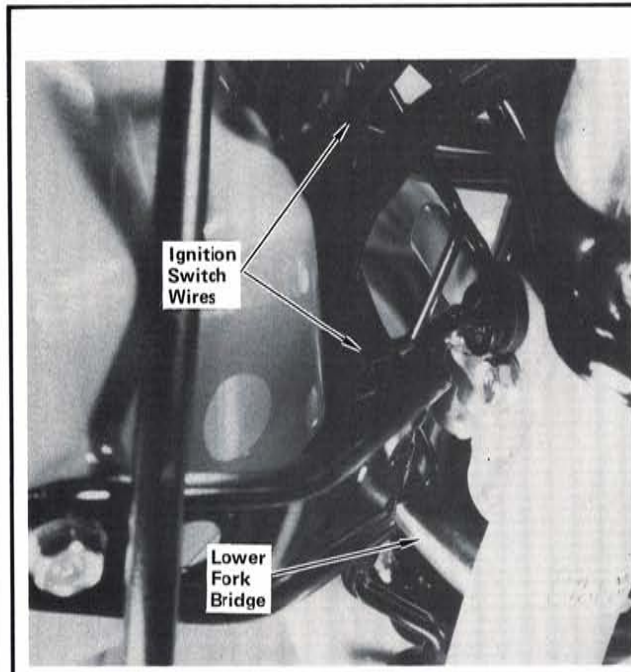
STEP 17—Disconnect the ignition switch wires from connectors and remove ignition switch.



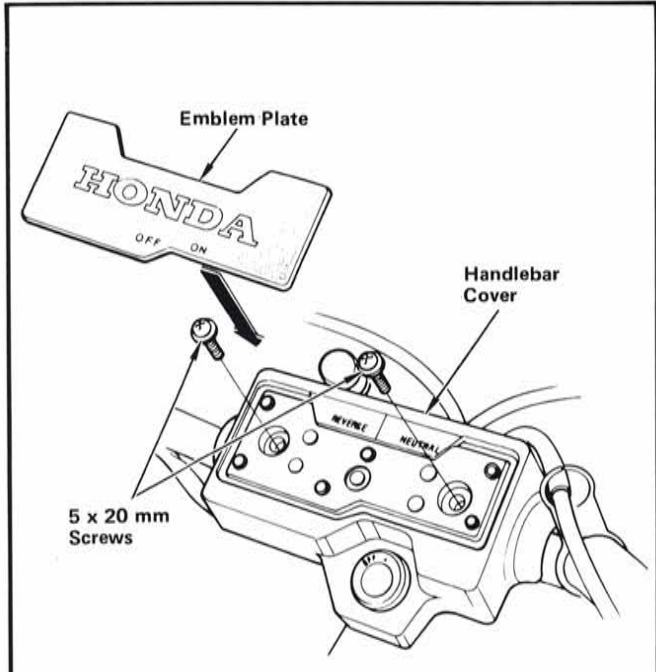
STEP 18—Pull the ignition switch wires and rubber boot through the hole in handlebar cover. Align the white mark on the ignition switch with the cutout on the cover and press into place. Push the rubber boot into place as shown in step 19.



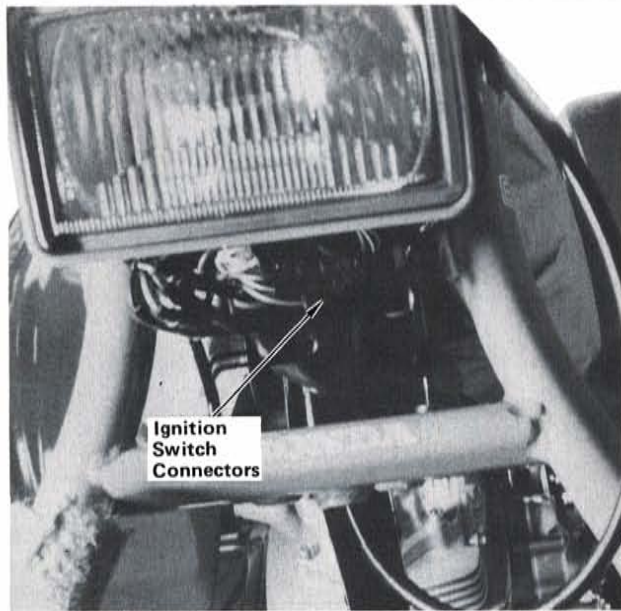
STEP 19—Press the indicator lamps into place in the cover from behind as shown. Position the lamp bracket onto the cover and secure using two 4 x 12 mm self-tapping screws as shown.



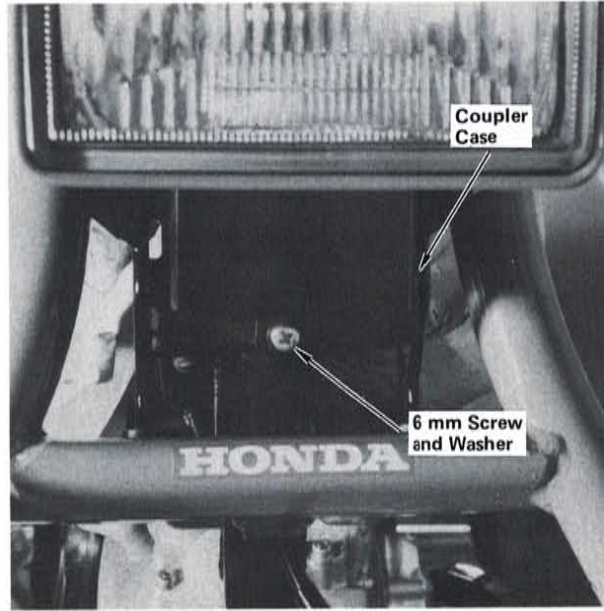
STEP 20—Route the ignition switch wires down behind handlebars and in front of the lower fork bridge.



STEP 21—Install the handlebar cover onto the upper holder using two 5 x 20 mm screws. Tighten the screws securely. Press the emblem plate onto the cover as shown.

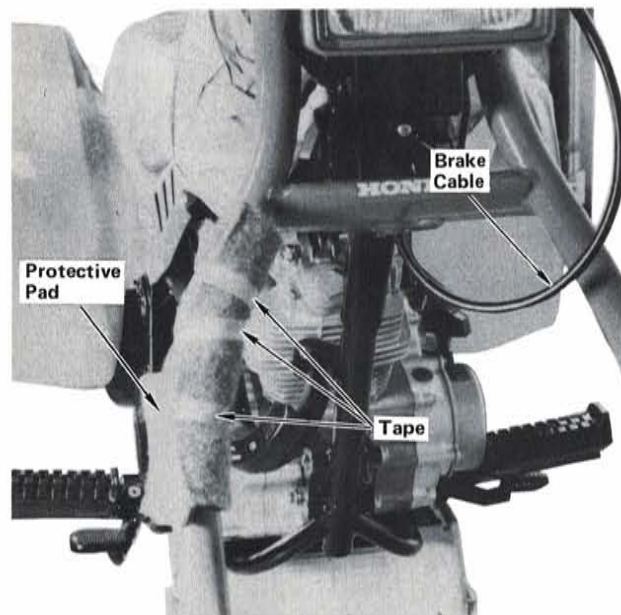


STEP 22—Connect the ignition switch wires to harness by matching color to color.

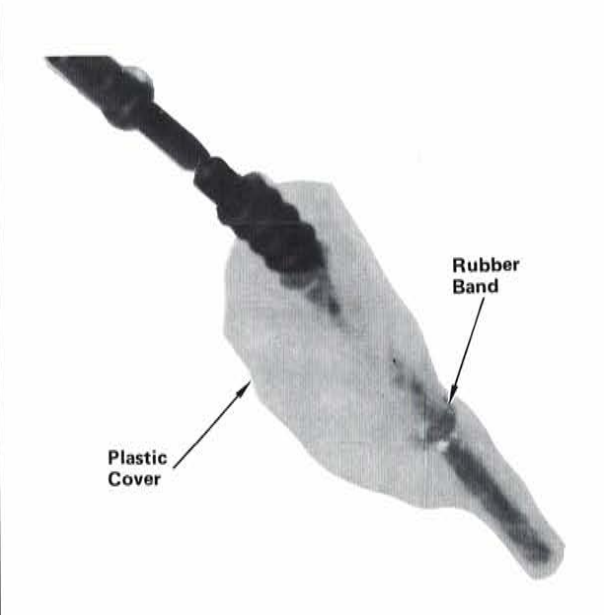


STEP 23—Install the coupler case by aligning the slots in case with the tabs on the bracket. Reinstall 6 mm screw and washer removed in Step 16 and tighten securely.

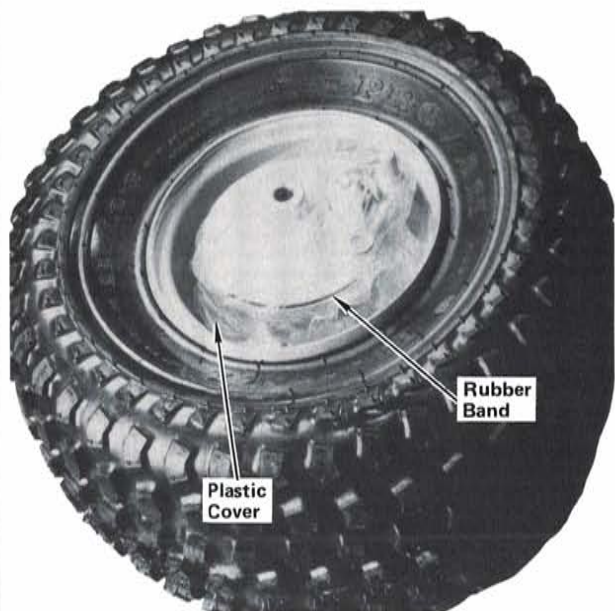
NOTE: Be sure that no wires are pinched between case and bracket.



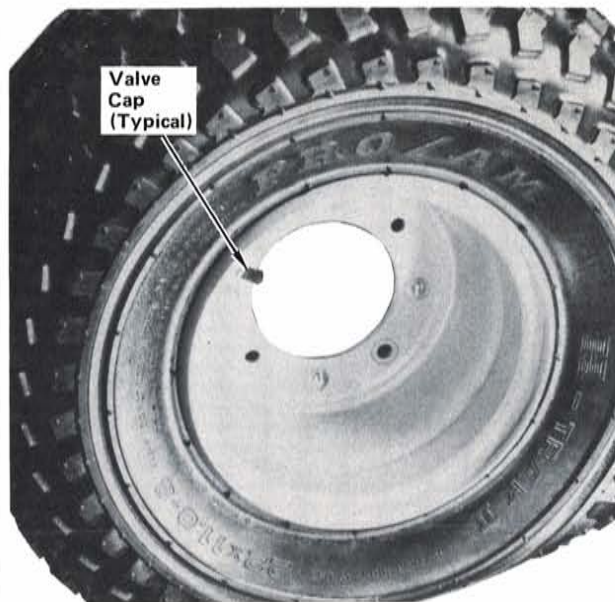
STEP 24—Remove the tape and protective pad from the right fork leg. Remove the end of the front brake cable from the steering head pipe.



STEP 25—Remove the rubber band and plastic cover from end of the front brake cable.

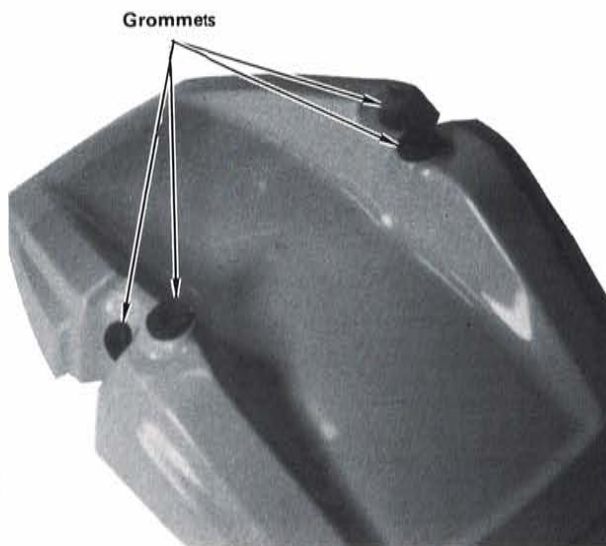


STEP 26—Remove the rubber band and plastic cover from front wheel.



STEP 27—Remove the valve cap from each tire, tighten the valve core and inflate tires to the proper pressure. Reinstall valve caps.

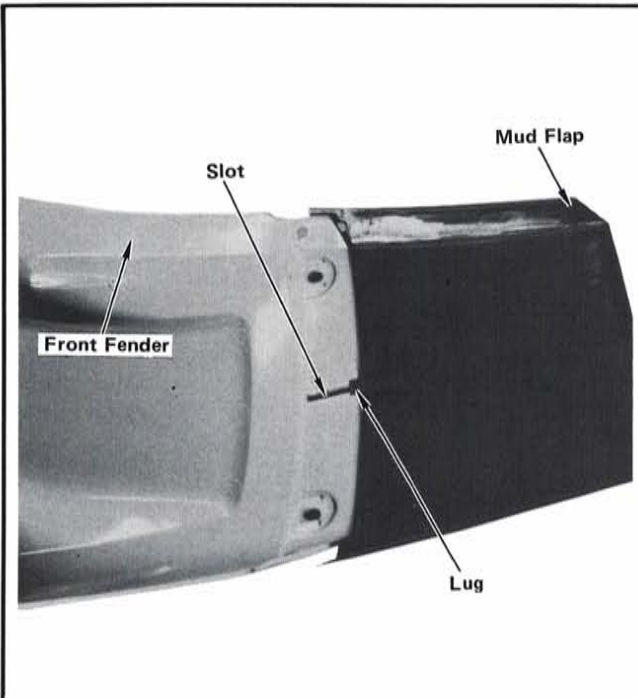
Tire pressure: 2.2 p.s.i.



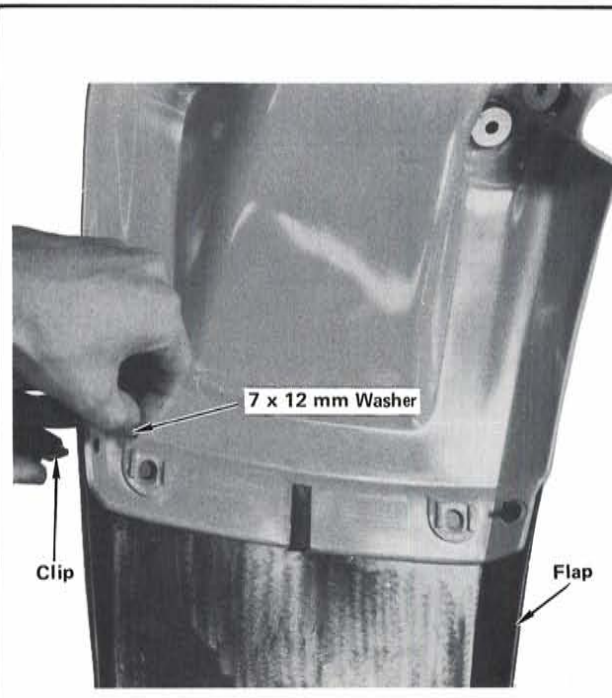
STEP 28—Remove the plastic cover and padding from the front fender. Press four grommets into fender from the top as shown.



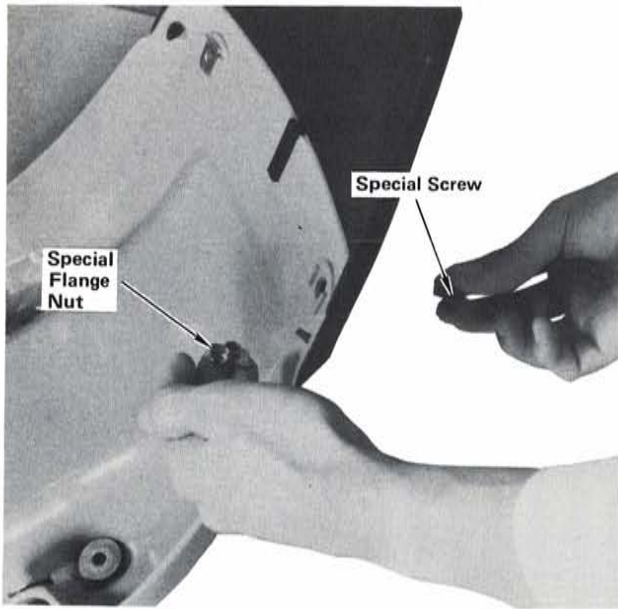
STEP 29—Slide the flanged collars into the grommets from the bottom as shown.



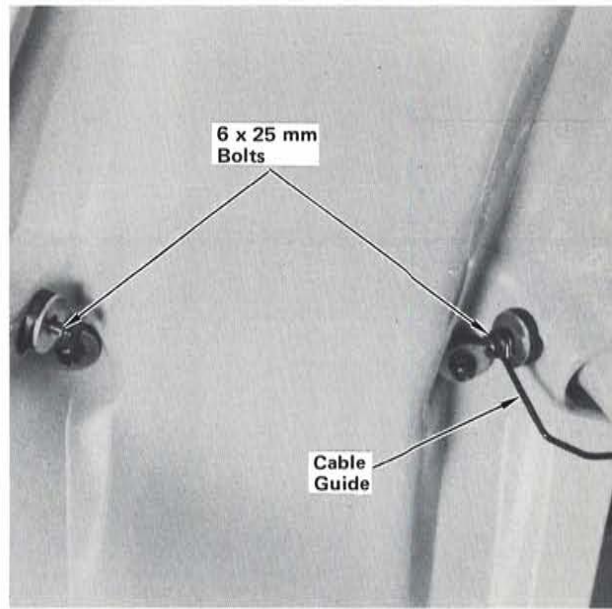
STEP 30—Position the mud flap on the top of fender, aligning the lug on the flap with slot in the fender as shown.



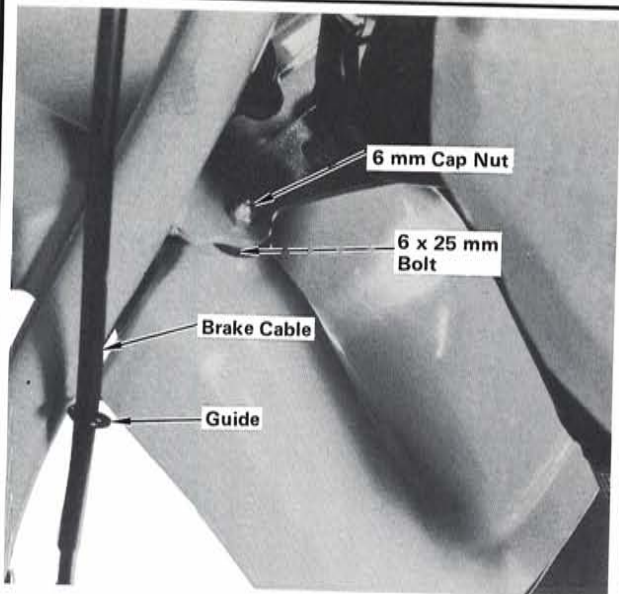
STEP 31—Attach the mud flap by inserting a clip through flap into a 7 x 12 mm washer on each side.



STEP 32—Secure the mud flap by using two special screws and special flange nuts. Insert the screws from the top into special nuts underneath.

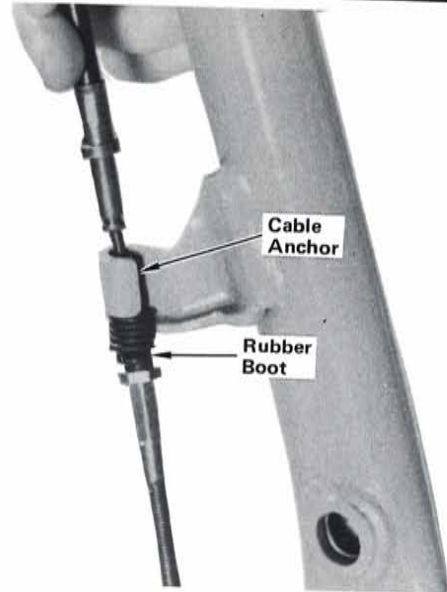


STEP 33—Position the front fender between fork legs. Attach the fender, and cable guide on the left side, using two 6 x 25 mm bolts as shown.

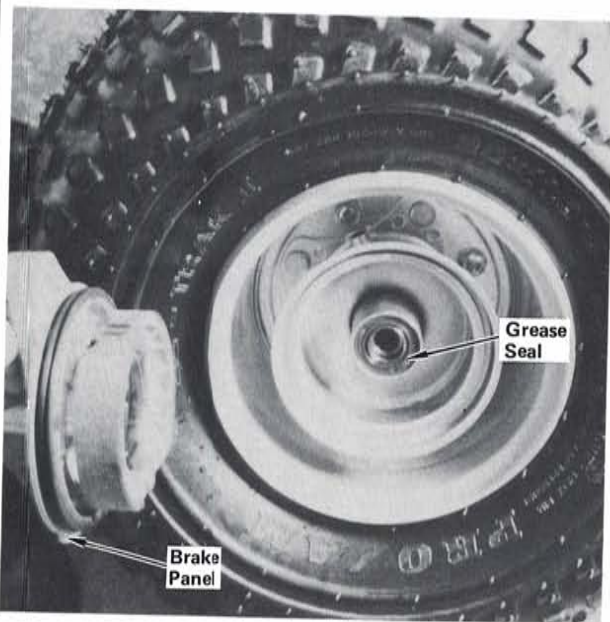


STEP 34—Install a 6 x 25 mm bolt from the bottom up through fender and bracket (each side). Attach using a 6 mm cap nut (each side). Tighten bolt to specified torque. Route the front brake cable down through the cable guide.

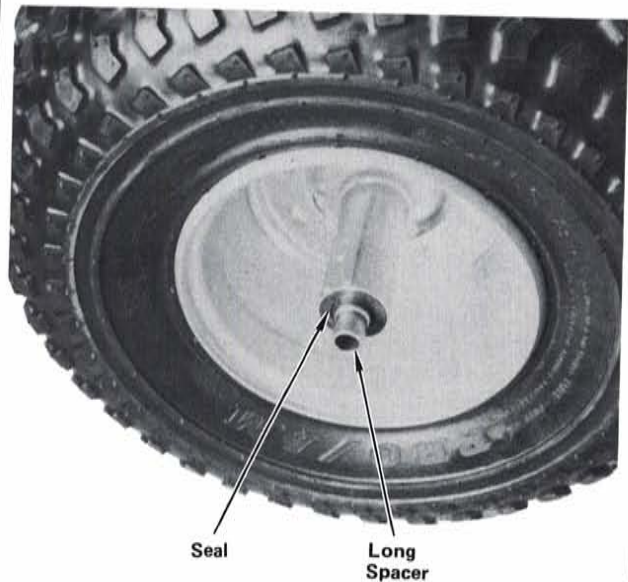
Torque specification:
1.0 kg-m (7 lb-ft)



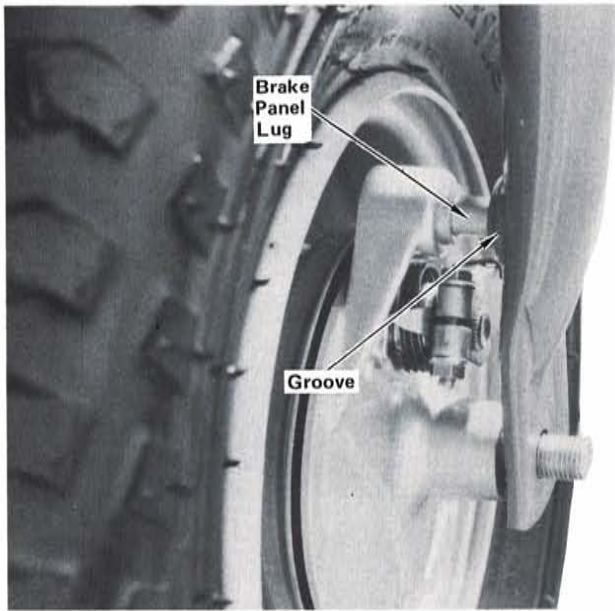
STEP 35—Place the front brake cable end into the cable anchor on left fork leg. Place the rubber boot over the cable nut.



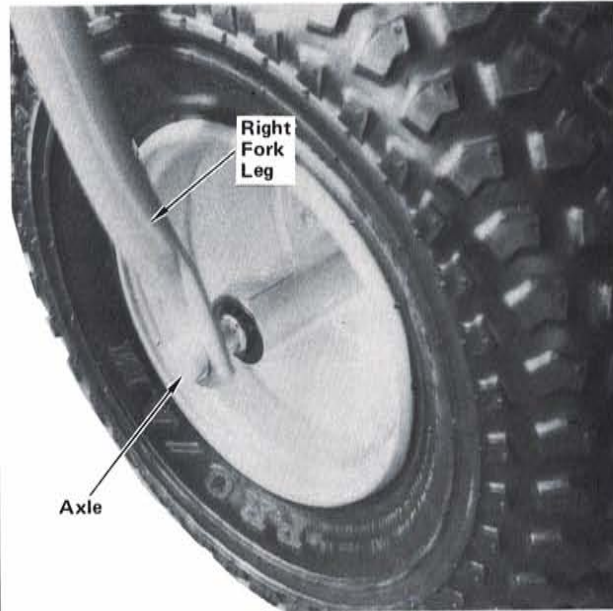
STEP 36—Remove the brake panel from front hub. Check that grease seal in hub is clean and full of grease. Insert panel back into wheel.



STEP 37—Insert the long axle spacer into grease seal opposite brake drum.



STEP 38—Position the front wheel between fork legs, with the brake panel on the left side. Align the brake panel lug with groove in fork leg.

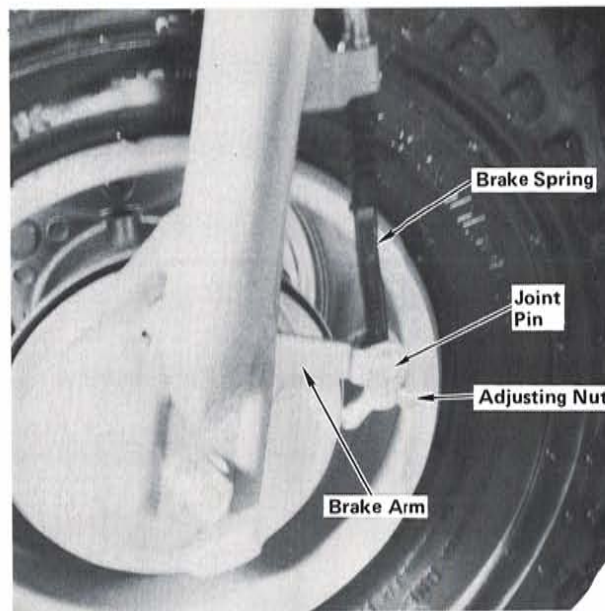


STEP 39—Insert the axle from opposite side, through right fork leg, wheel hub, brake panel and into the left fork leg.

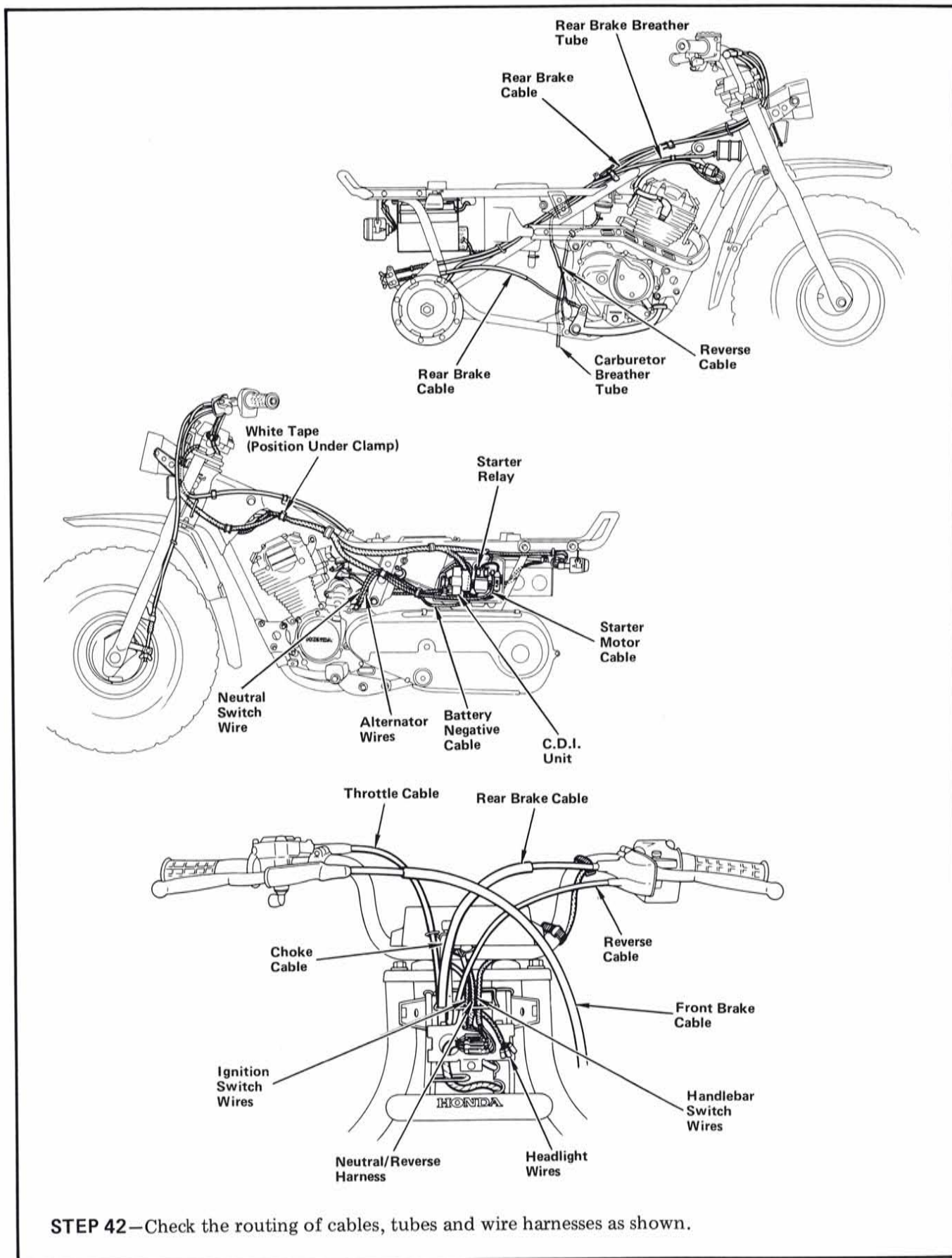


STEP 40—Install the 14 mm axle nut and tighten it to the specified torque.

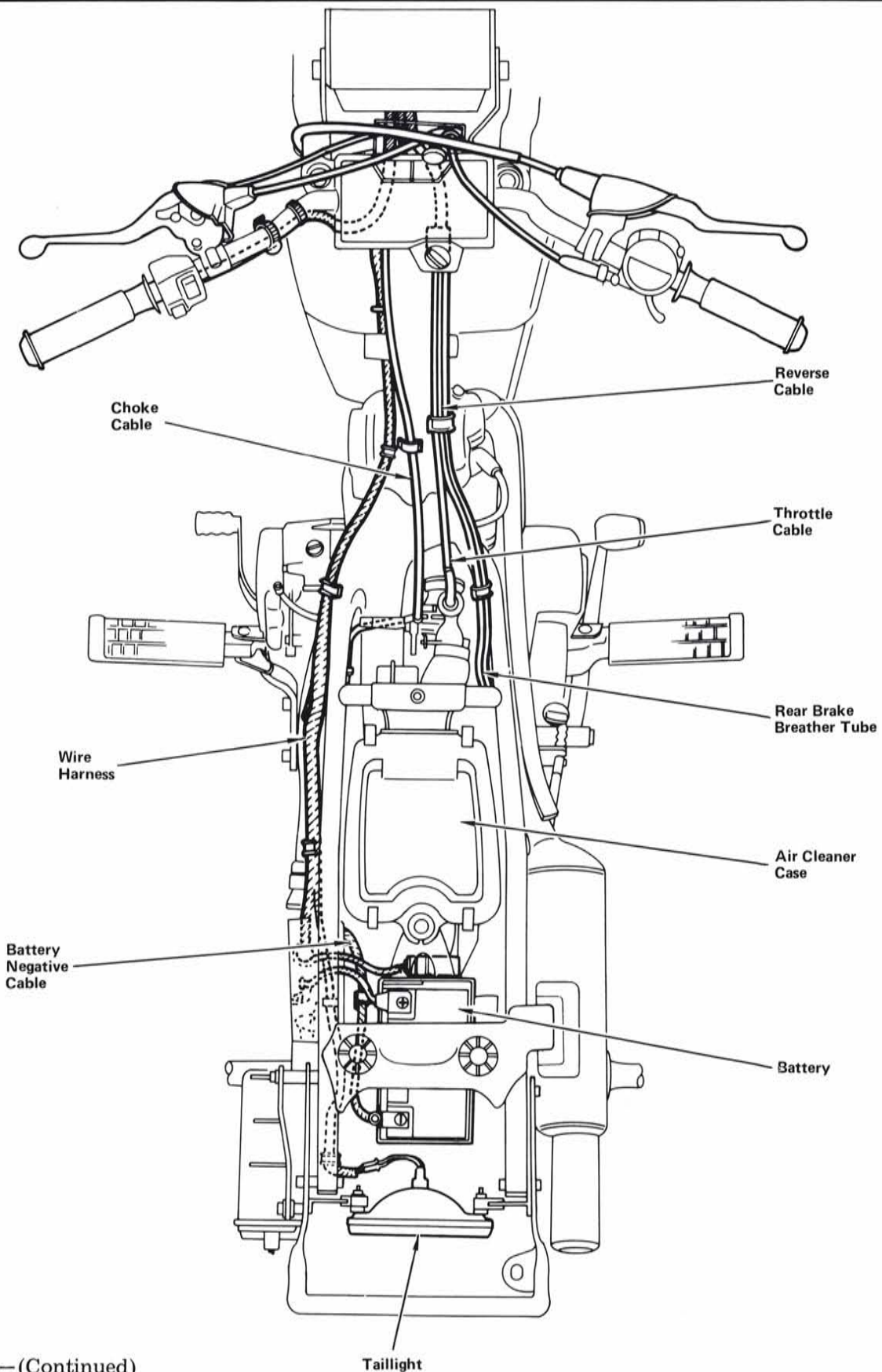
Torque specification:
11 kg-m (80 lb-ft)



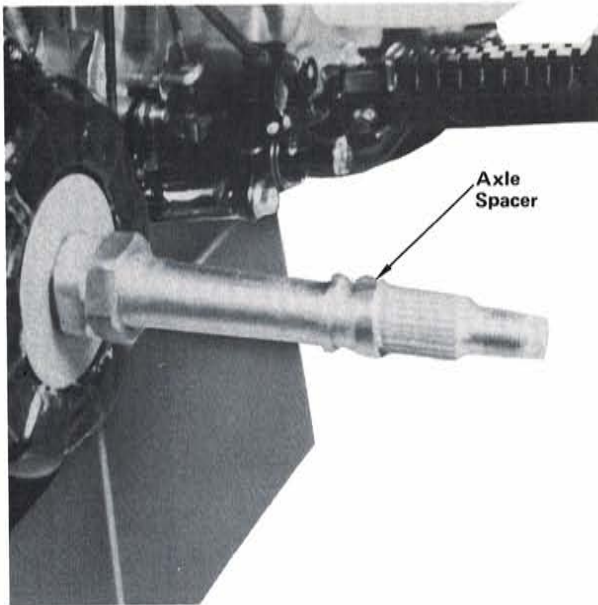
STEP 41—Place the joint pin into brake arm. Slip the brake spring over the end of brake cable and insert the cable end through hole in joint pin. Screw adjusting nut onto cable end and adjust brakes as described in Steps 61, 62 and 63.



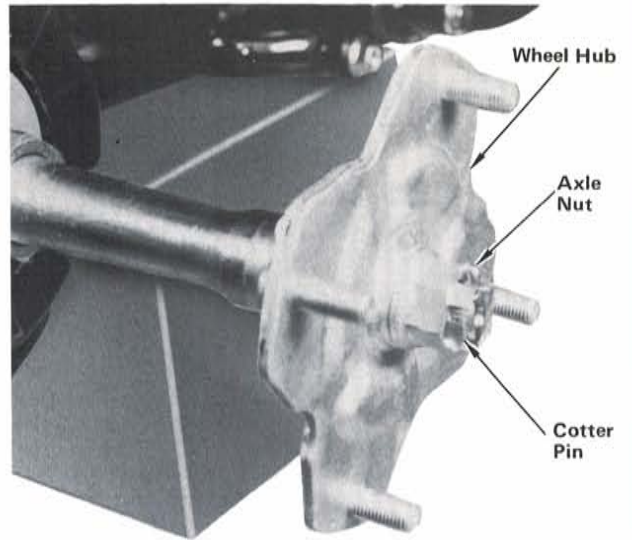
STEP 42—Check the routing of cables, tubes and wire harnesses as shown.



STEP 42—(Continued)

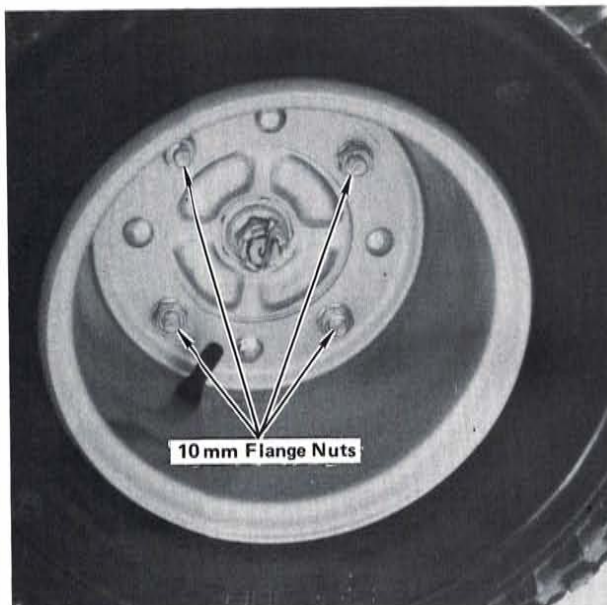


STEP 43—Slide the short spacer onto the right rear axle.



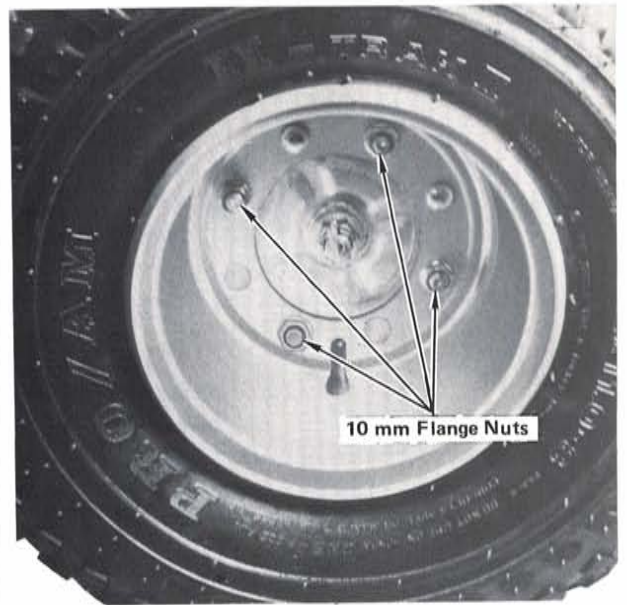
STEP 44—Slide the wheel hubs onto axles, both sides and install 18 mm nuts onto each side. Tighten nuts to specified torque and secure with cotter pins, both sides.

Torque specification:
9 kg-m (65 lb-ft)



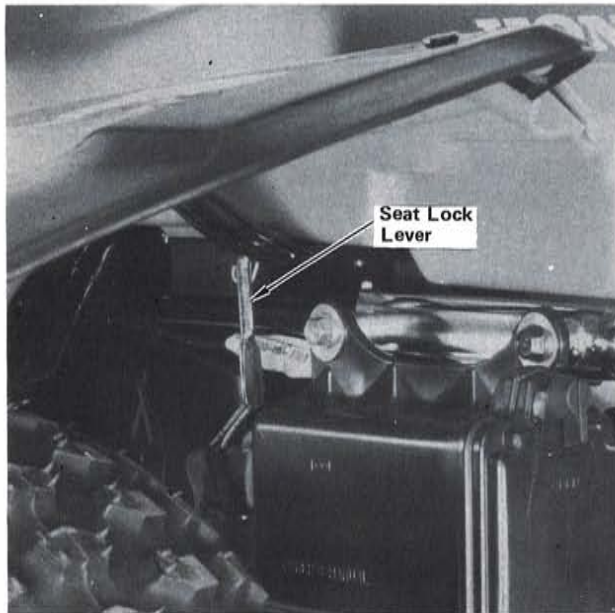
STEP 45—Install the rear wheels using four 10 mm flange nuts, but don't tighten yet.

NOTE: Be sure the valve stems are on the outside and the tread direction arrow points in the direction of wheel rotation.

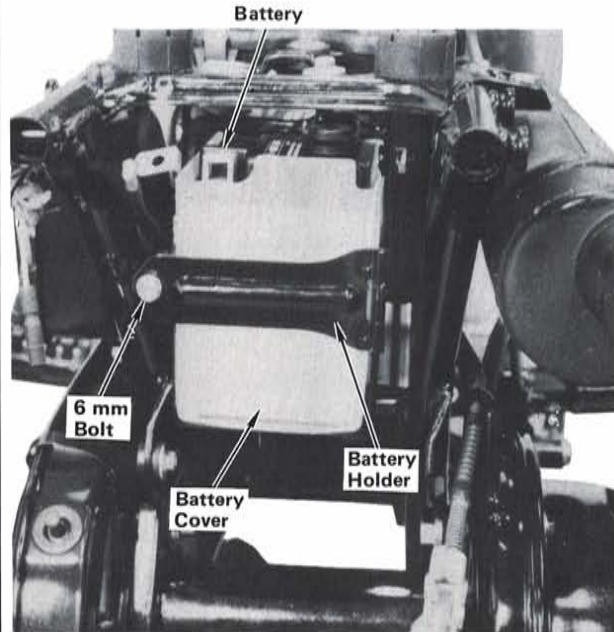


STEP 46—Remove the block from under vehicle and tighten wheel nuts to specified torque.

Torque specification:
5.5 kg-m (40 lb-ft)



STEP 47—Push the seat lock lever forward and remove the seat/fender.



STEP 48—Remove a 6 mm bolt and open battery holder. Remove battery and cover.

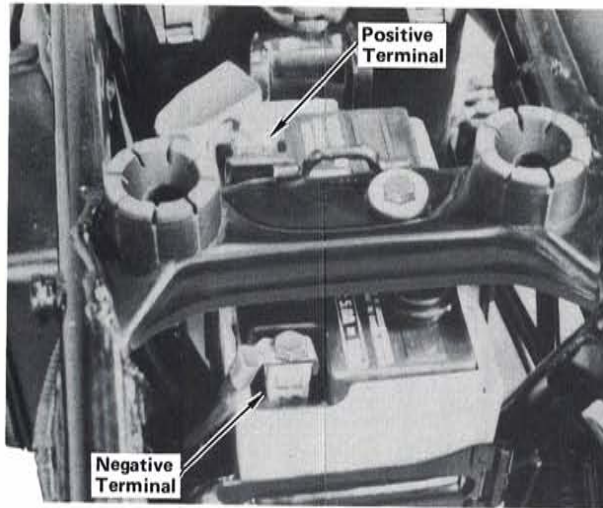
STEP 49—Service the battery as described in the battery booklet or as noted on the electrolyte container.

WARNING

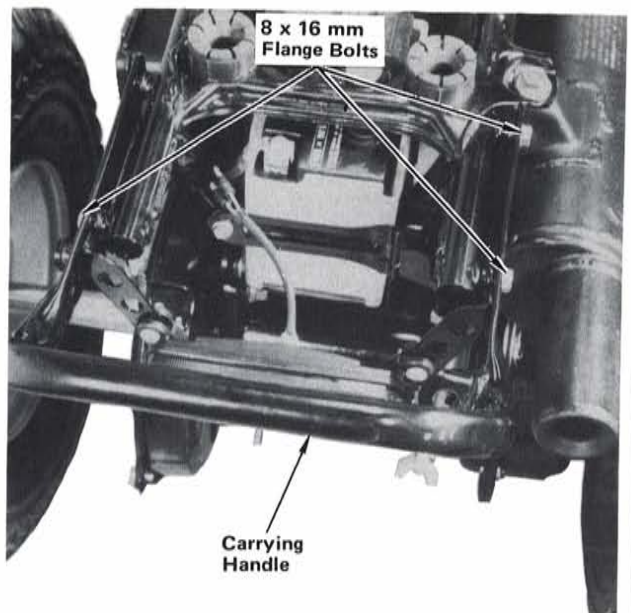
- The battery electrolyte contains sulfuric acid. Protect your eyes, skin and clothing. In case of contact, flush thoroughly with water.
- If electrolyte gets in your eyes, flush them thoroughly with water and get prompt medical attention.
- The battery generates hydrogen gas which can be highly explosive. Do not smoke or allow flames near the battery especially while charging it.

CAUTION:

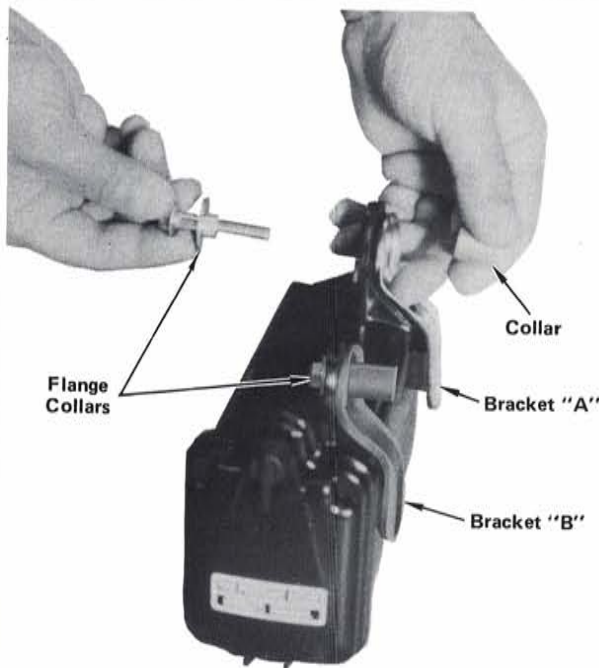
- Do not activate the battery unless the ATC is to be delivered immediately after set-up and pre-delivery service. Refer to SERVICE LETTER SL #48 for important information about the features, storage and activation of maintenance-free batteries.
- Do not use the electric starter immediately after installation of the battery, allow some time for the battery to attain a full charge.
- Remove the battery from the vehicle whenever filling it with electrolyte.
- Do not use any liquids other than those furnished with the battery.
- After filling the battery be sure there is no electrolyte left in the container.
- Dispose of the container properly.
- Add only distilled water. Tap water will shorten the service life of the battery.
- Check that the battery breather hose is not kinked, twisted or pinched. Otherwise the battery may be damaged.



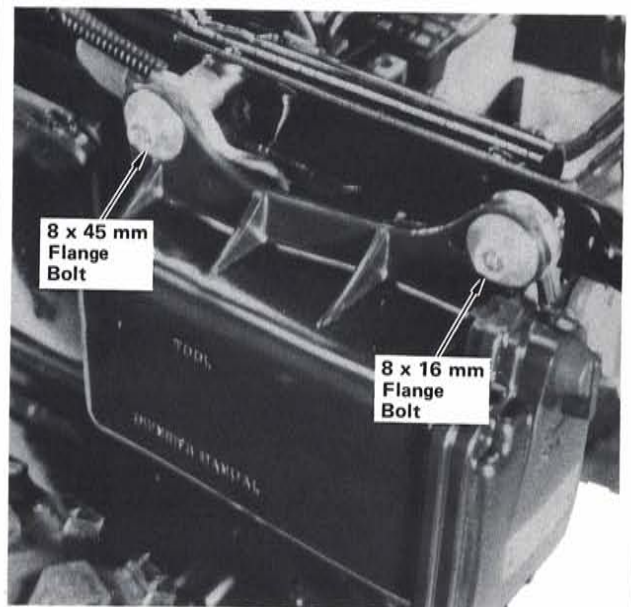
STEP 50—Install the battery and cover in the compartment with the terminals on the left side. Reinstall the battery holder using the 6 mm bolt removed at Step 48. Connect the positive (+) battery cable to battery first, then connect negative (-) cable. Tighten the bolts securely and coat terminals with clean grease. Slip the positive terminal cover into place.



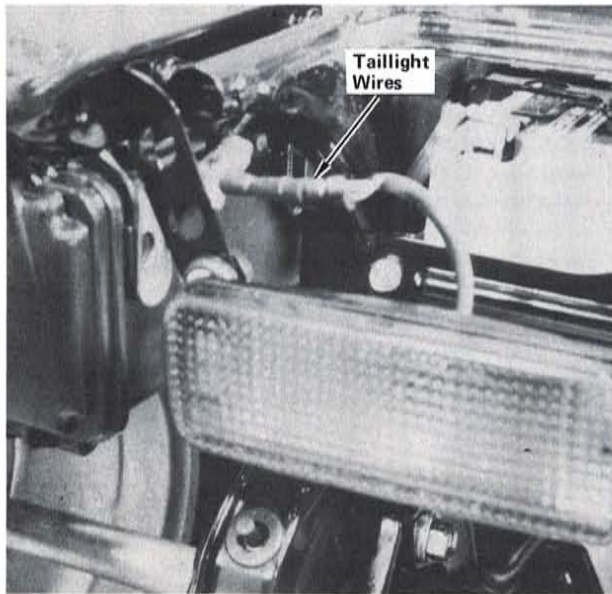
STEP 51—Position the carrying handle, curved end up, and attach it using two 8 x 16 mm flange bolts on right side and one on the left.



STEP 52—Place the attaching hardware onto the tool box: a flange collar, collar and bracket "A", to the front; a flange collar and bracket "B", to the rear.



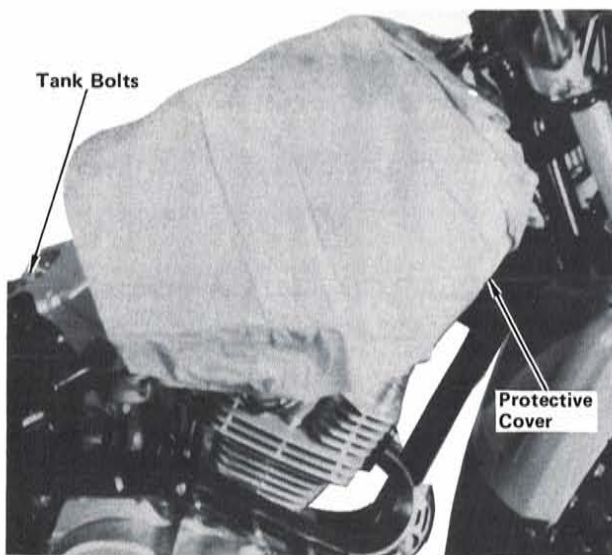
STEP 53—Attach the tool box to the carrying handle using an 8 x 45 mm flange bolt at the front and an 8 x 16 mm flange bolt at the rear.



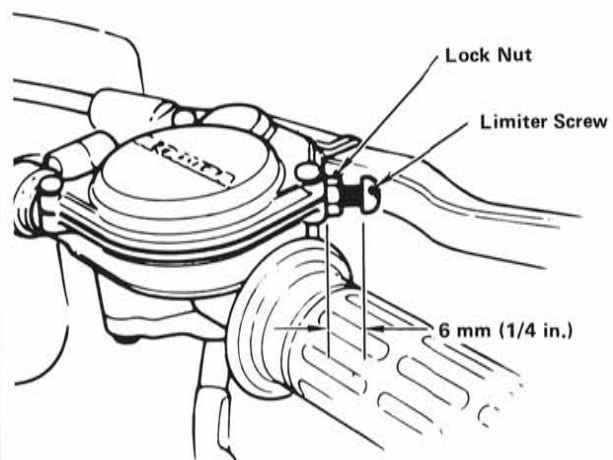
STEP 54—Connect the taillight wires to the harness, color to color.



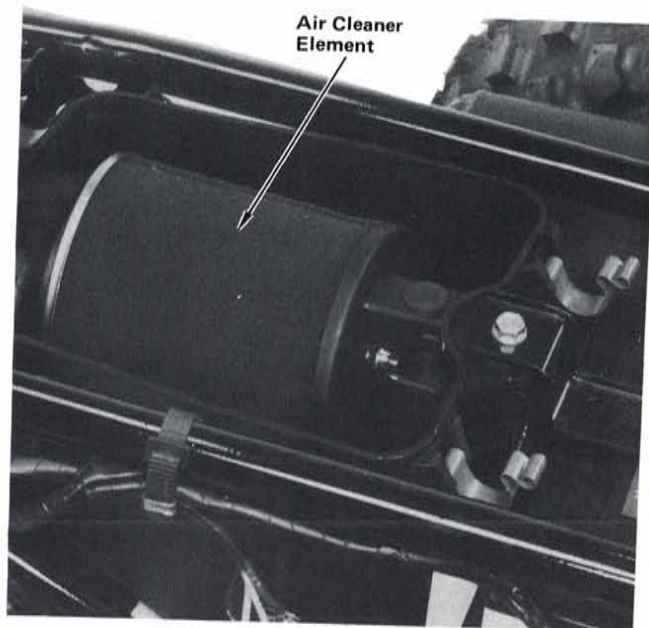
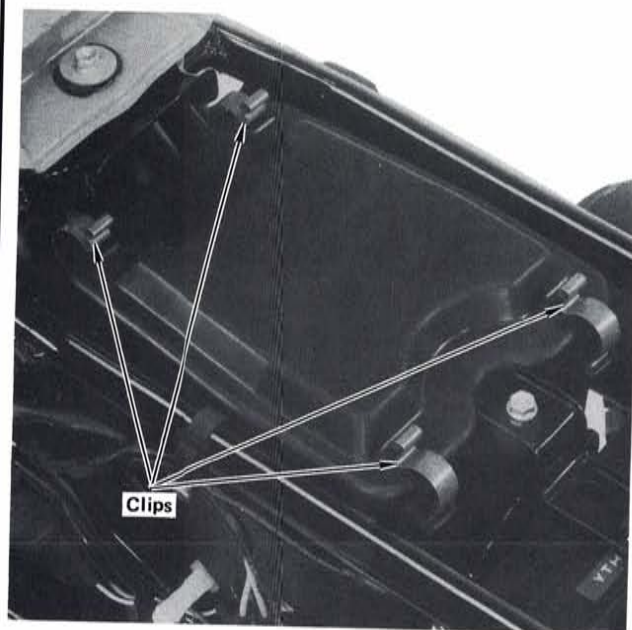
STEP 55—Remove the oil filler cap/dipstick and fill the crankcase with recommended oil as noted in owner's manual.



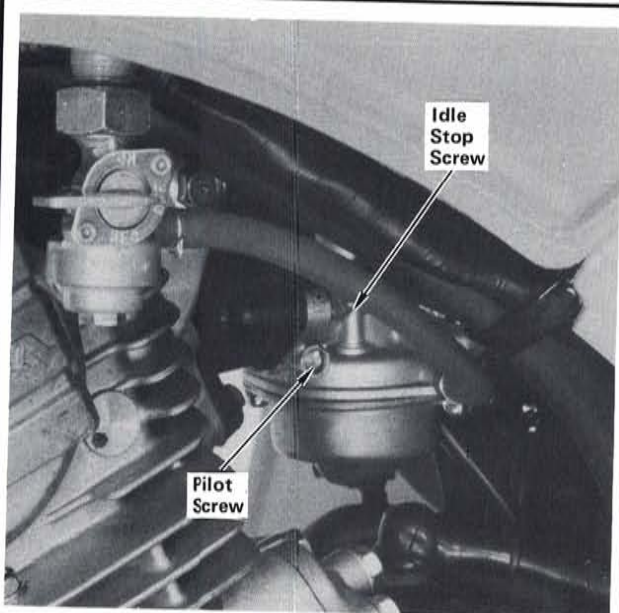
STEP 56—Remove the protective cover from gas tank and drain per instructions noted in the owner's manual. Disconnect fuel line, remove one bolt at the rear of tank and remove the tank. Flush and inspect the tank, then reinstall using the one bolt. Tighten the bolt securely. Reinstall the fuel line and drain the residual fuel from carburetor.



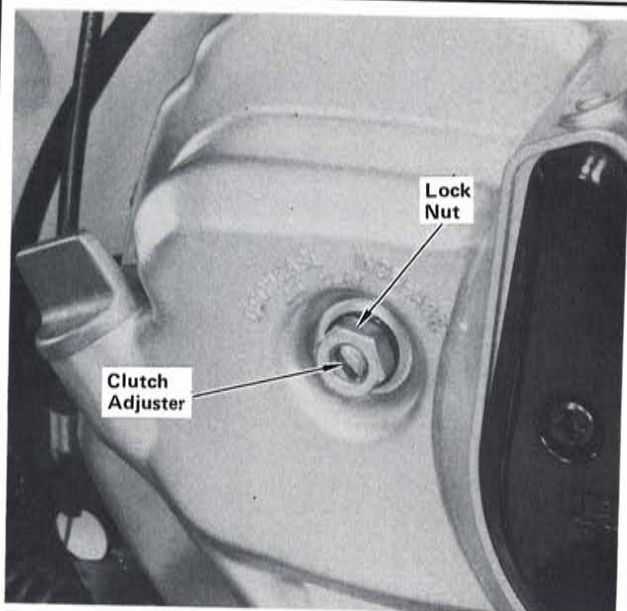
STEP 57—Loosen the speed limiter lock nut and adjust the limiter screw to a distance of about 6 mm (1/4 in). Tighten lock nut securely.



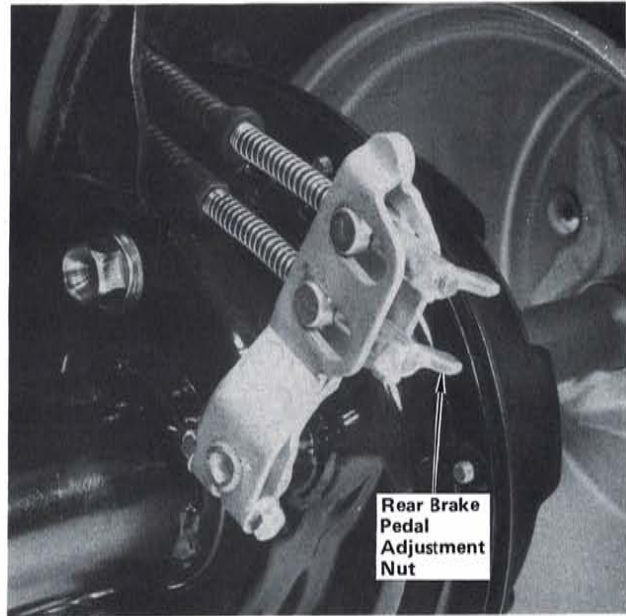
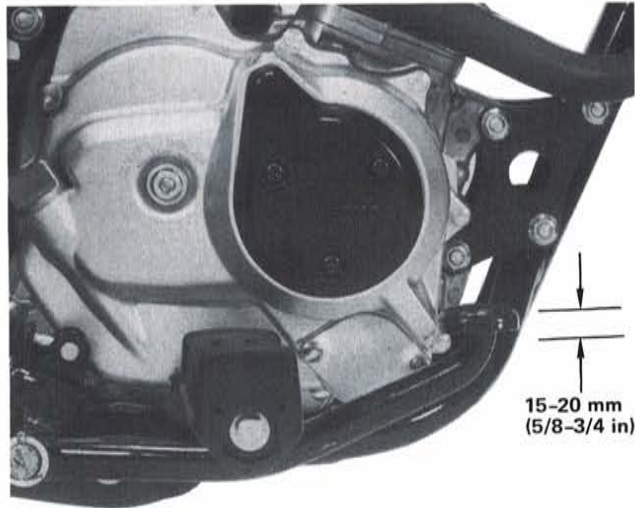
STEP 58—Loosen four clips and remove the air cleaner cover. Remove and check the air cleaner element. If necessary, clean it as described in owner's manual. Reinstall element, cover and clips.



STEP 59—Connect a tachometer to the engine. Start and warm the engine up to operating temperature. Adjust idle speed to $1,500 \pm 100$ rpm using the idle stop screw. Stop the engine and remove the tachometer.

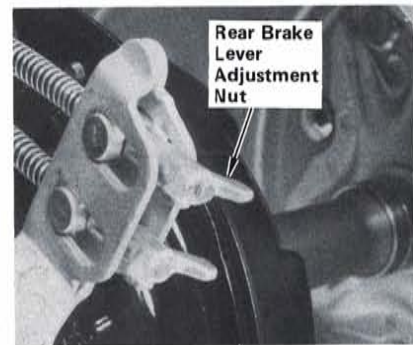
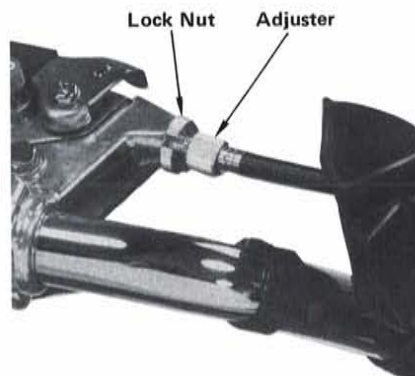
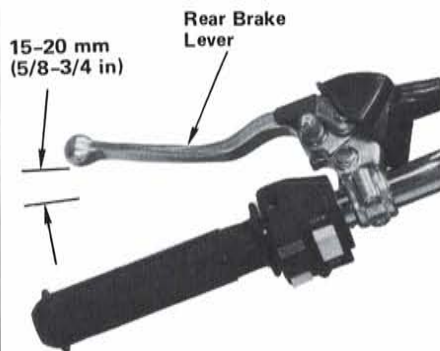


STEP 60—Check the clutch for proper operation. If adjustment is required, proceed as follows; loosen the lock nut and turn clutch adjuster counterclockwise until resistance can be felt, then back off adjuster $1/8 - 1/4$ of a turn and tighten the lock nut. Recheck clutch operation.



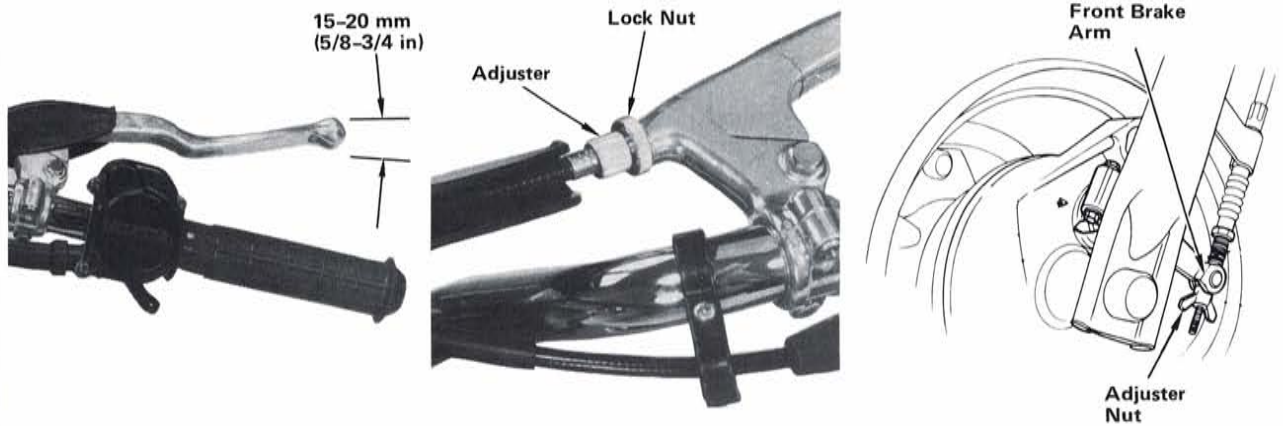
STEP 61—Check the rear brake pedal free play. If adjustment is required, use the adjustment nut on the rear brake arm.

Free play: 15-20 mm (5/8 – 3/4 in).



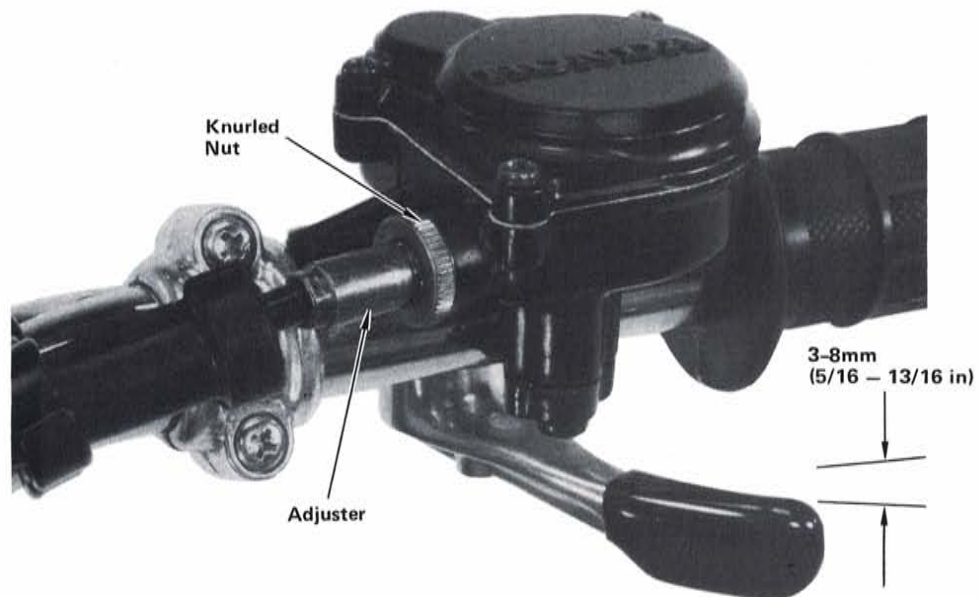
STEP 62—Raise the rear of the vehicle, using block, so that both wheels are off the ground and spin rear wheels. Apply the rear hand brake and measure the distance it moves until engagement. The distance should be 15 – 20 mm (5/8 – 3/4 in). If large adjustment is required, make it at rear brake arm; small adjustments are made at the handlebar lever.

Free play: 15-20 mm (5/8 – 3/4 in).



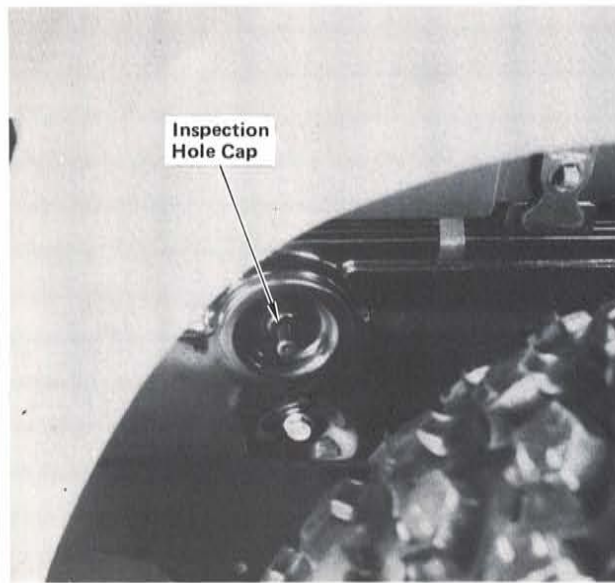
STEP 63—Spin the front wheel and measure front brake lever free play. Free play should be between 15–20 mm (5/8 – 3/4). If large adjustment is required, make it at front brake arm; small adjustments are made at the handlebar lever. Remove block from under the vehicle.

Free play: 15–20 mm (5/8 – 3/4 in).

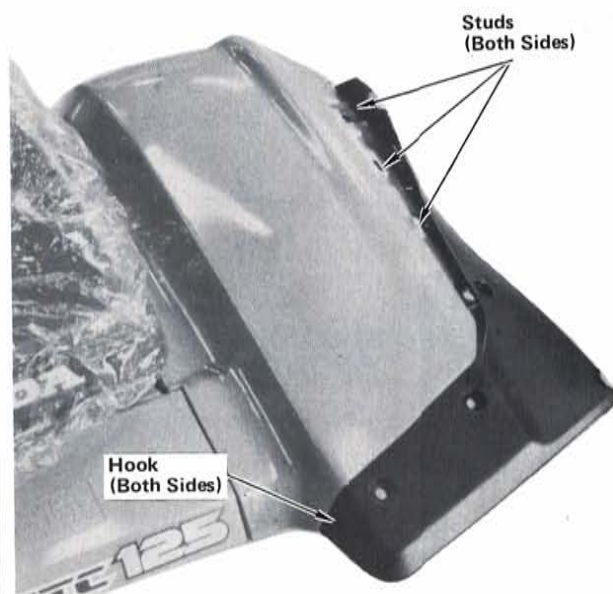


STEP 64—Check the throttle lever free play. Adjust it by loosening knurled nut and turning cable adjuster. Tighten the nut after any adjustment.

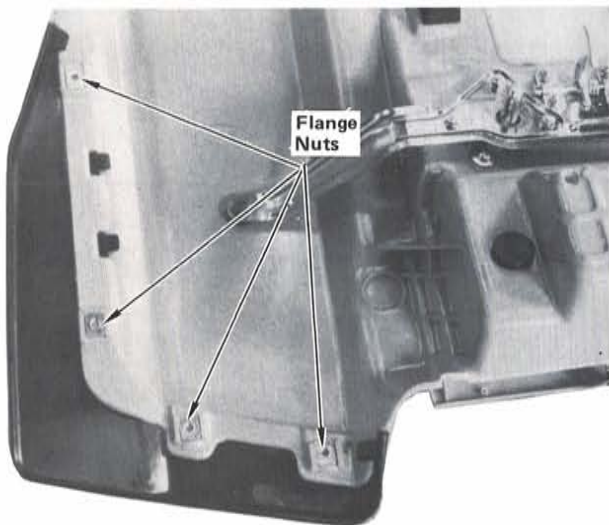
Free play: 3–8 mm (1/8 – 5/16 in).



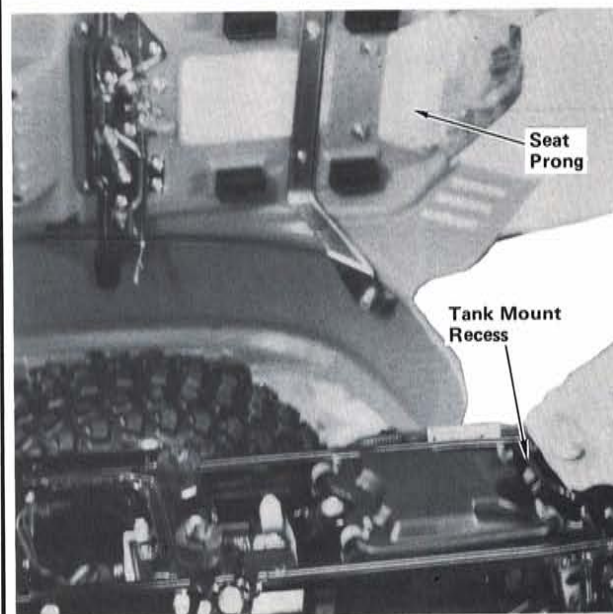
STEP 65—Remove the inspection hole cap and lubricate drive chain using SAE 90 gear oil. Reinstall the cap.



STEP 66—Install both mud flaps onto the rear fender by inserting the studs on the flaps into holes in fender and placing the flap end hooks into fender as shown.



STEP 67—Press flange nuts into the holes in rear fender and secure flaps to the fender using four mudguard screws, each side.



STEP 68—Install the rear seat/fender by inserting the front prong into the recess under the fuel tank mount and pressing down on the rear of seat until the latch engages.

NOTE: Check all items listed on the following Pre-delivery Service Check List. Refer to owner's manual for specifications and detailed procedures. Always test ride the unit to make sure that it is functioning properly.

PRE-DELIVERY SERVICE CHECK LIST

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Adjust front and rear brakes, check cable routing and check operation. <input type="checkbox"/> Fill crankcase with recommended oil. <input type="checkbox"/> Remove and inspect fuel tank, drain and flush. <input type="checkbox"/> Drain residual fuel from carburetor. <input type="checkbox"/> Reinstall fuel tank, fill, turn on petcock, and check for leaks. <input type="checkbox"/> Check air cleaner element. Oil if necessary. <input type="checkbox"/> Adjust idle speed. <input type="checkbox"/> Check throttle lever free play, cable routing, and operation in all steering positions. <input type="checkbox"/> Lubricate drive chain, if necessary. <input type="checkbox"/> Check tire pressure. <input type="checkbox"/> Inspect electrical components for proper operation and adjustment. <ul style="list-style-type: none"> • Headlight switch. • Headlight: Adjust high beam aim. • Taillight. • Engine stop switch. • Starter. • Battery charging. | <ul style="list-style-type: none"> <input type="checkbox"/> Check security of all nuts, bolts, and other fasteners. <input type="checkbox"/> Check to ensure that all applicable recall and product update campaigns are complied with. <input type="checkbox"/> Check that the consumer hang tag is attached to the handlebar next to the throttle. <input type="checkbox"/> TEST RIDE: Check performance, handling, and operation. <ul style="list-style-type: none"> • Transmission: Ease of shifting, clutch operation, etc. • Acceleration: Smoothness, etc. • Cruising: Smoothness, etc. • Handling: Stability and cornering. • Brakes: Smoothness and stopping power. • Idling: Smoothness, throttle response, and return to idle. • Recheck idle speed after 10 minutes of stop and go operation. • Upon completion of test ride, check for fuel and oil leaks. |
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