

# Set-up Instructions

# 1986 Model ATC 250ES



MPD 9025 8508  
AMERICAN HONDA MOTOR CO., INC.  
100 WEST ALONDRA BOULEVARD, GARDENA, CALIFORNIA 90247

**WARNING**

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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. When a customer takes delivery of his brand new vehicle he expects it to be in excellent running condition. There are few things that will cause greater customer dissatisfaction than poor preparation of a new 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.*

Date of Issue: 8/85

# SET-UP INSTRUCTION REVISED PAGES

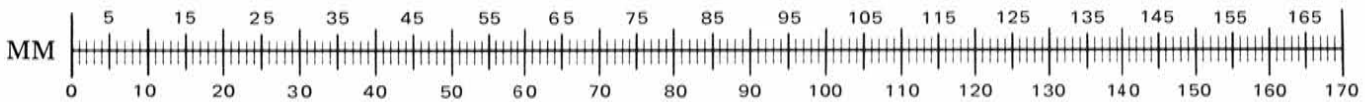
Pages Affected

Rev. Date

1 through 38

Original

Remove and destroy superseded pages.



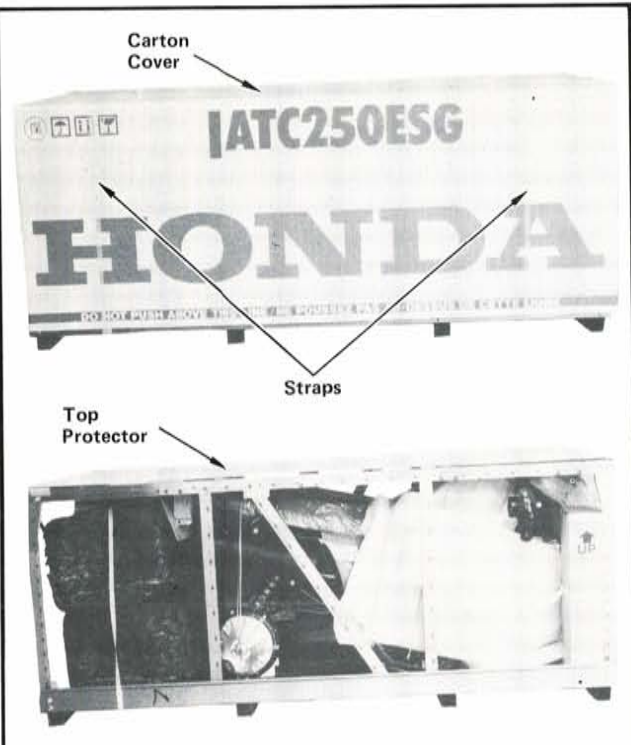
METRIC SCALE FOR DETERMINING BOLT LENGTHS/DIAMETERS

Pay special attention to warnings, cautions, and notes.

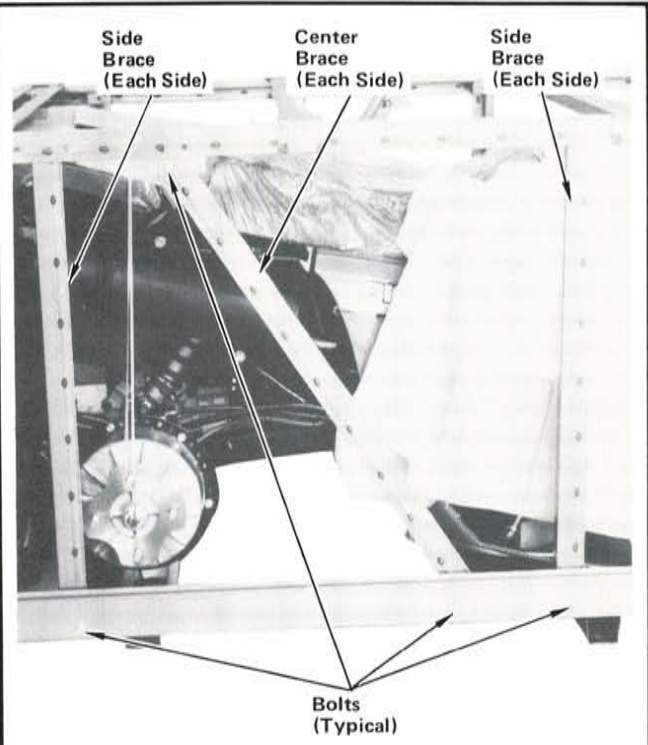
**WARNING** means hazards or unsafe practices which could cause severe personal injury or death.

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

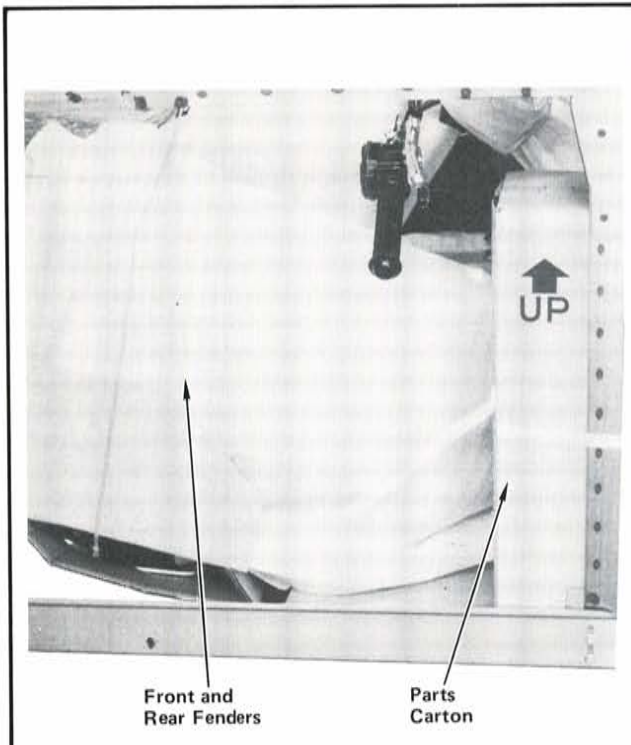
*NOTE:* gives helpful information.



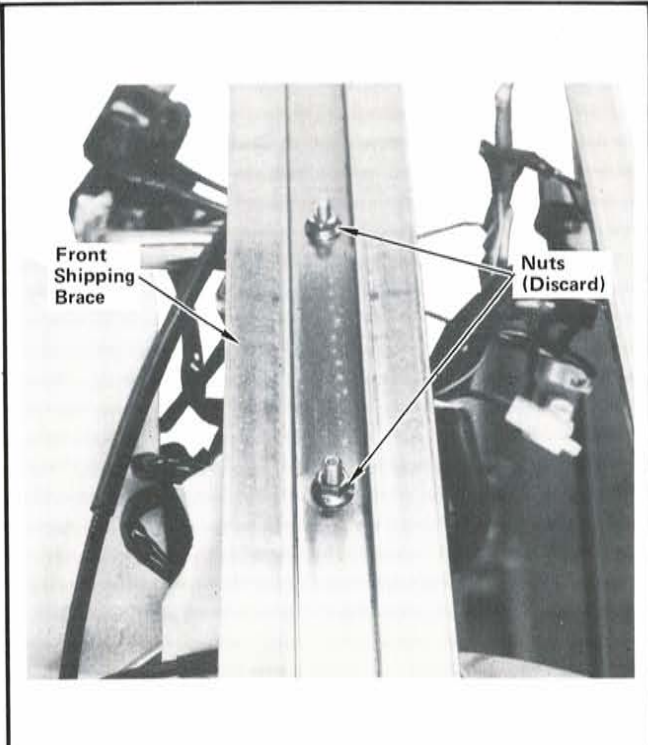
**STEP 1**—Cut straps and remove carton cover by lifting it up. Remove and discard crate top protector.



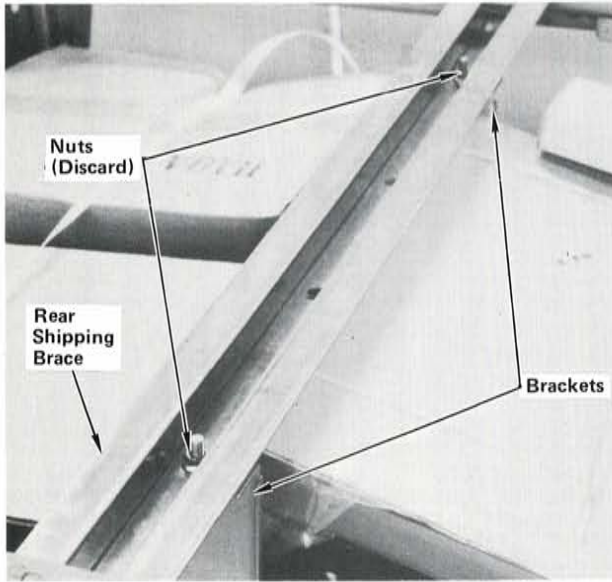
**STEP 2**—Remove bolts attaching center braces and side braces to crate base. Discard bolts and loose braces.



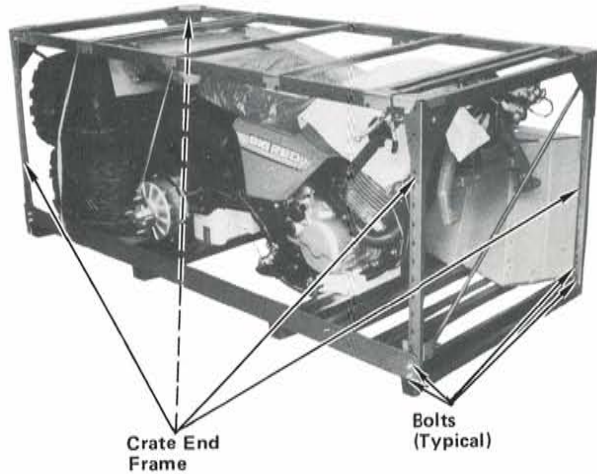
**STEP 3**—Remove parts carton and fenders.



**STEP 4**—Remove and discard nuts attaching front shipping brace bracket.

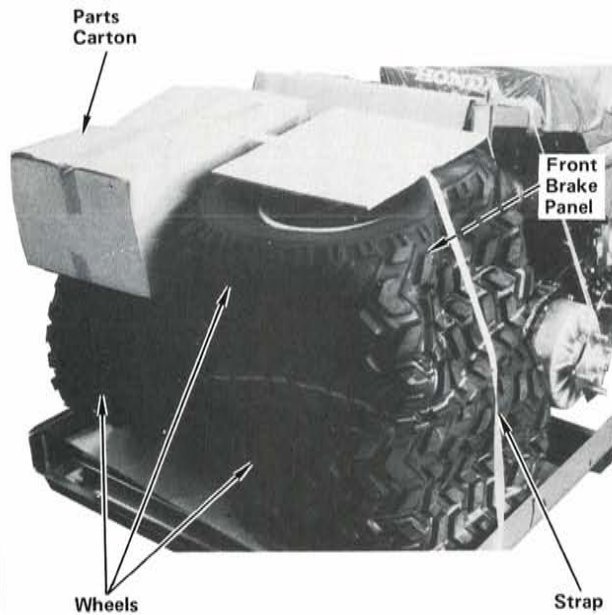


**STEP 5**—Remove and discard nuts attaching rear shipping brace to rear shipping brace brackets.

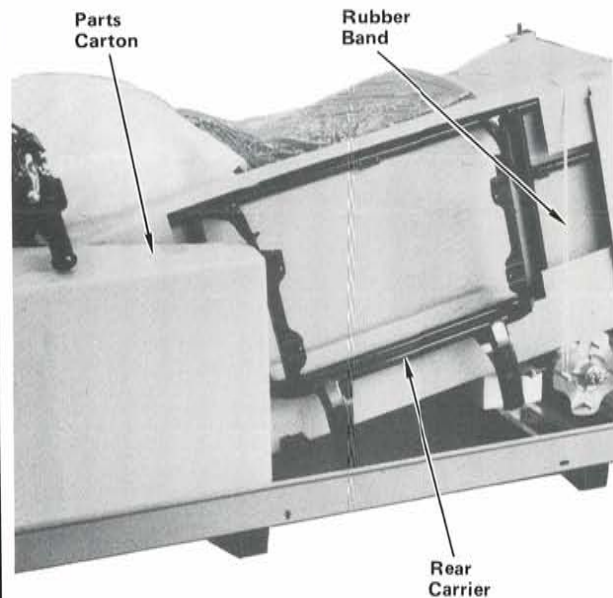


**STEP 6**—Remove and discard bolts attaching crate end frames to crate base. Carefully lift off crate frame using two people.

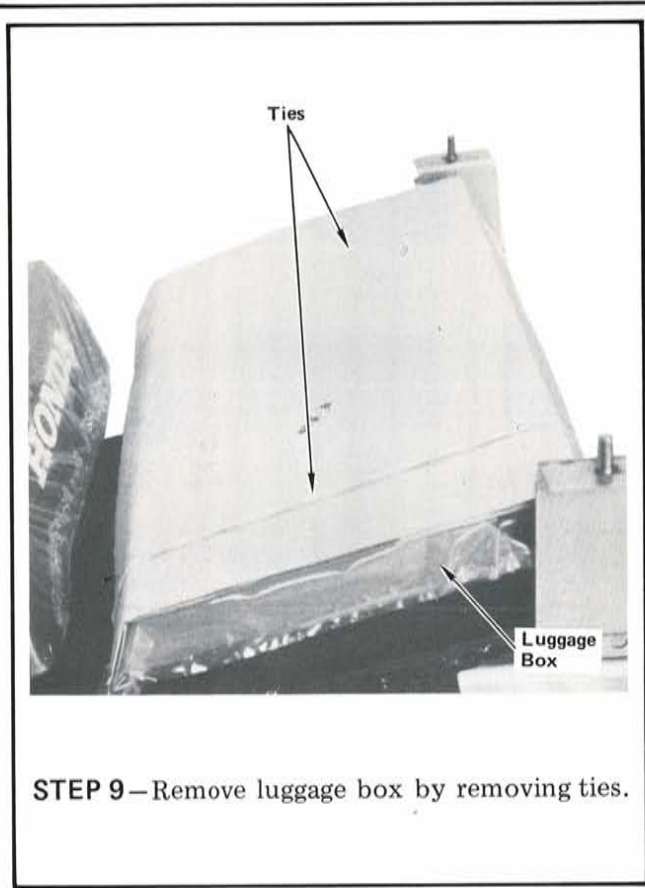
**CAUTION:** Use extreme care not to damage vehicle or parts with crate frame.



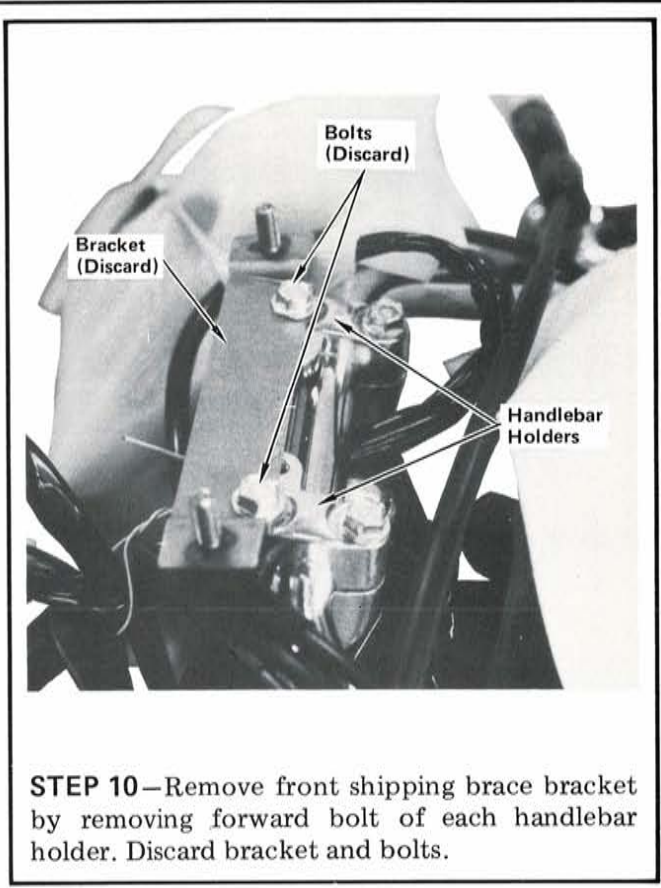
**STEP 7**—Remove parts carton, wheels, and front brake panel, by removing rubber band.



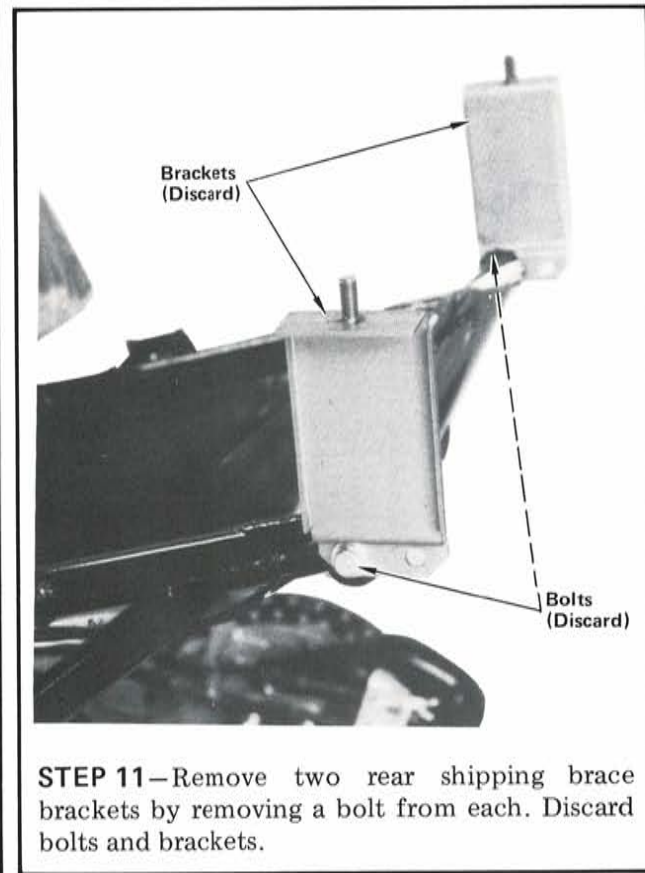
**STEP 8**—Remove parts carton. Remove rear carrier by removing ties and rubber bands.



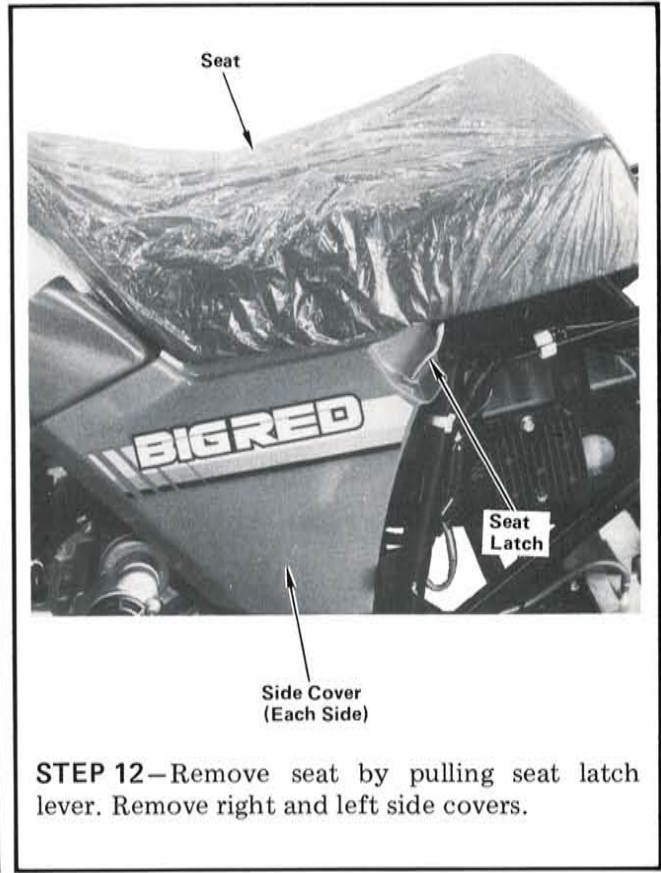
**STEP 9**—Remove luggage box by removing ties.



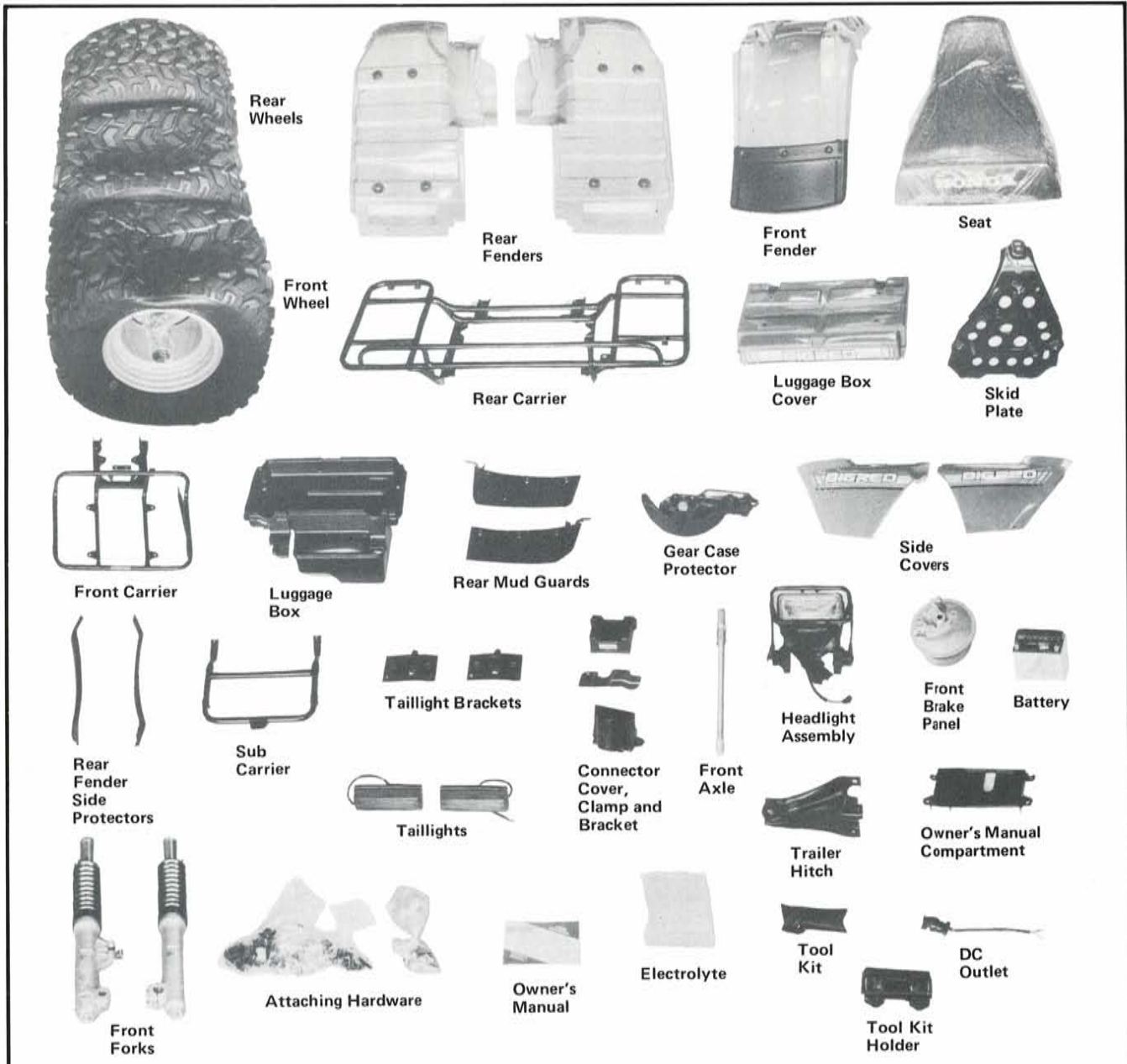
**STEP 10**—Remove front shipping brace bracket by removing forward bolt of each handlebar holder. Discard bracket and bolts.



**STEP 11**—Remove two rear shipping brace brackets by removing a bolt from each. Discard bolts and brackets.



**STEP 12**—Remove seat by pulling seat latch lever. Remove right and left side covers.



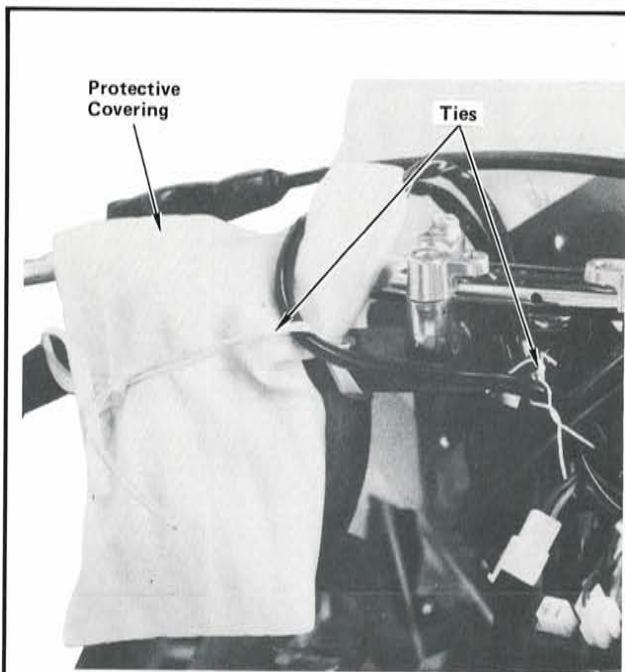
**STEP 13**—Unpack remaining loose parts and check against this illustration. Report any damaged or missing parts immediately to American Honda Motor Co., Inc., 100 West Alondra Blvd., Gardena, California 90247.

**Damaged or Missing Parts**

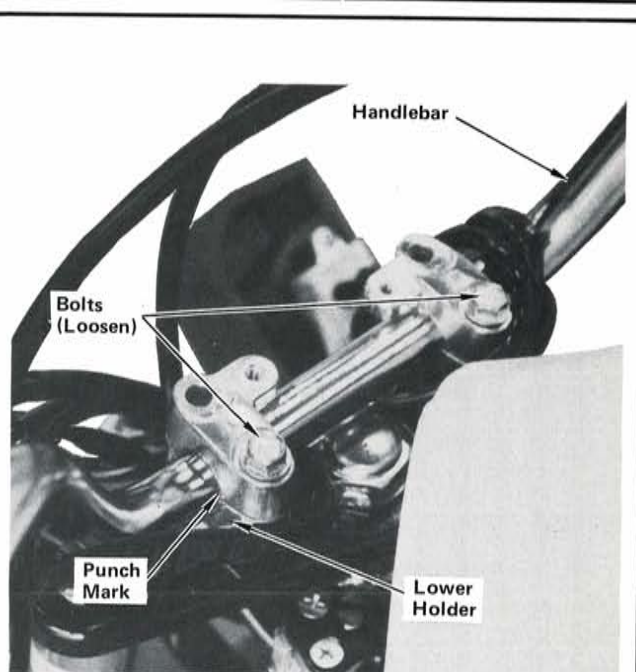
Identify missing parts by referring to the “Loose Parts List” at the end of the set-up. Order parts through normal parts ordering procedures.

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

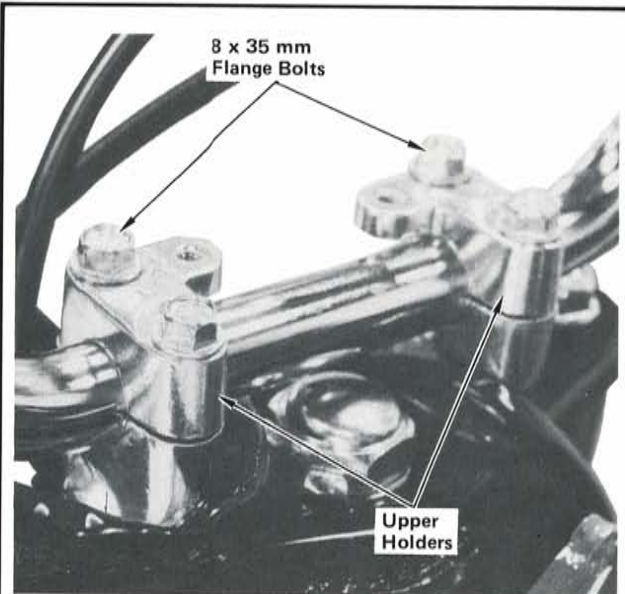
- For parts lost or damaged in transit, file a SHIPPING DAMAGE CLAIM.
- For parts left out by the factory, file a M/C WARRANTY CLAIM SO908.



**STEP 14**—Remove protective covering and release wire harnesses by removing ties.

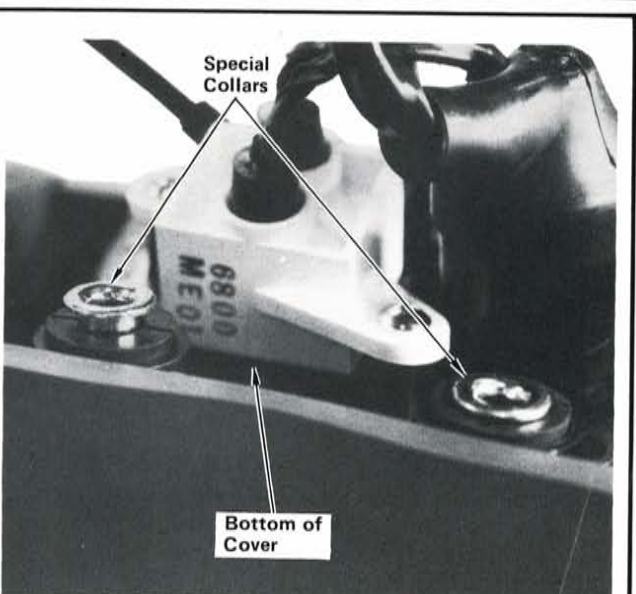


**STEP 15**—Loosen handlebar holder bolts. Lift handlebar grips up until punch mark on handlebar is aligned with top of lower holder.

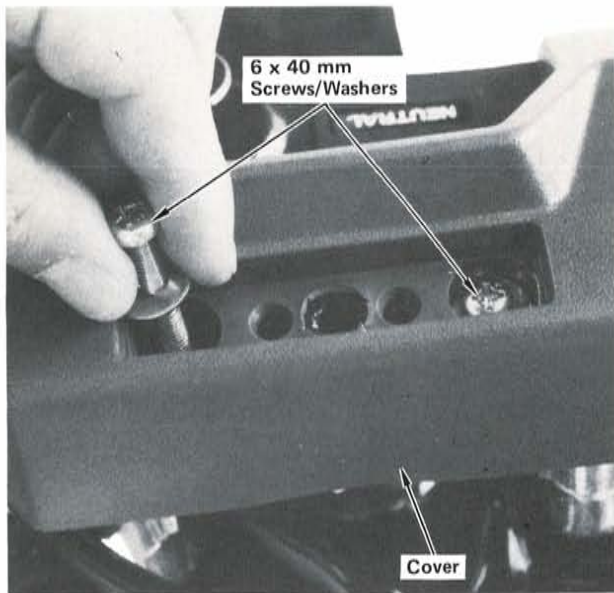


**STEP 16**—Insert two 8 x 35 mm flange bolts through forward holes of handlebar upper holders. Tighten forward bolts to specified torque first then tighten rear bolts to same torque.

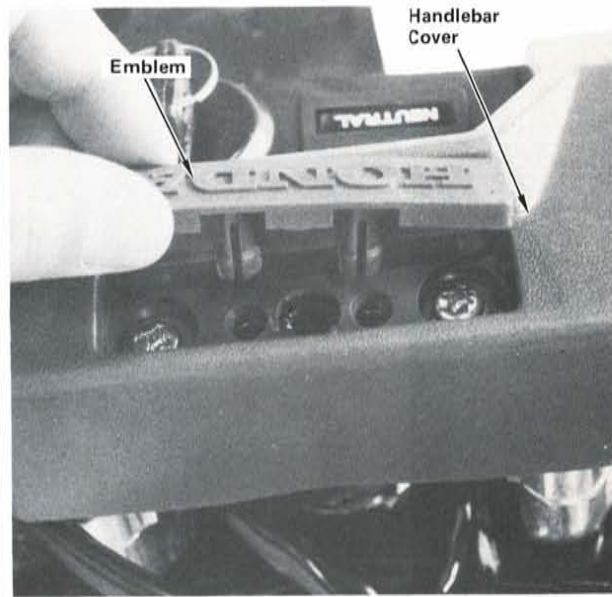
**Torque specification:**  
2.4 kg-m (18 lb-ft)



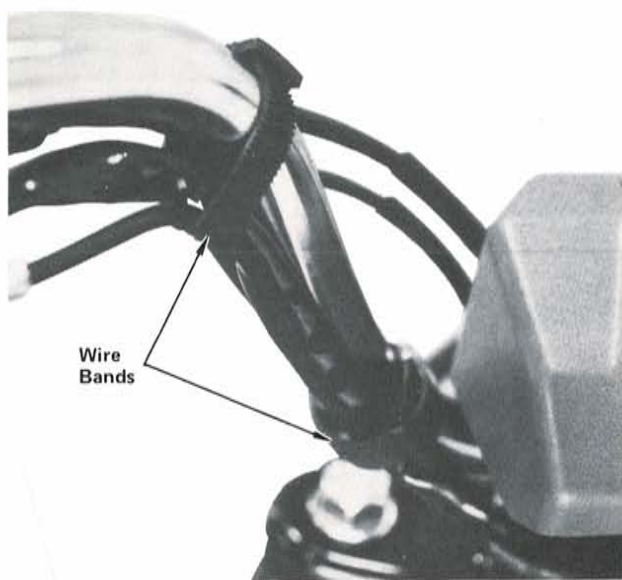
**STEP 17**—Press two special collars up through holes of handlebar cover from underneath as shown.



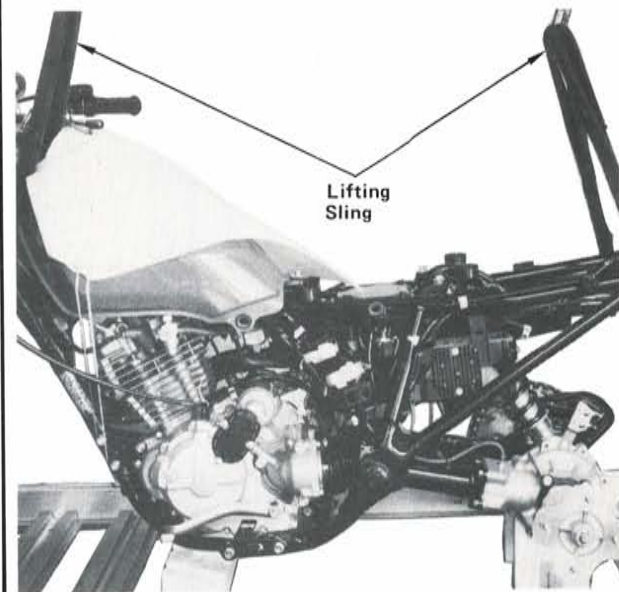
**STEP 18**—Position cover over handlebar upper holders as shown and install using two 6x40mm screws/washers. Tighten screws securely.



**STEP 19**—Press emblem into handlebar cover as shown.



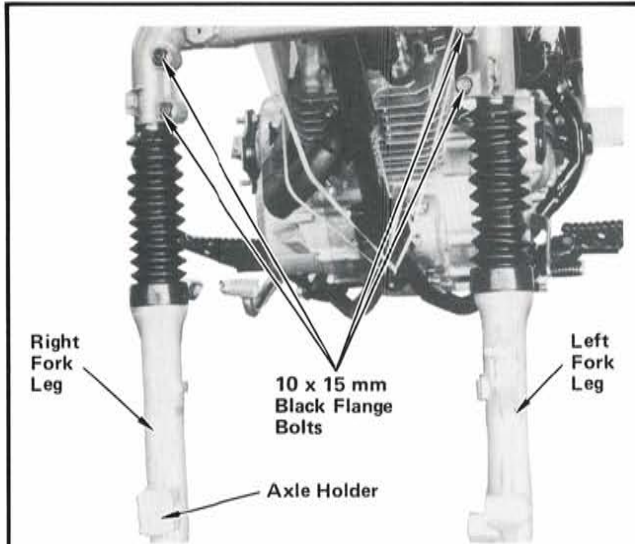
**STEP 20**—Secure left handlebar switch wires to handlebar using two wire bands positioned where shown.



**STEP 21**—Position a lifting sling as shown and carefully lift vehicle off of crate base. Remove and discard crate base.

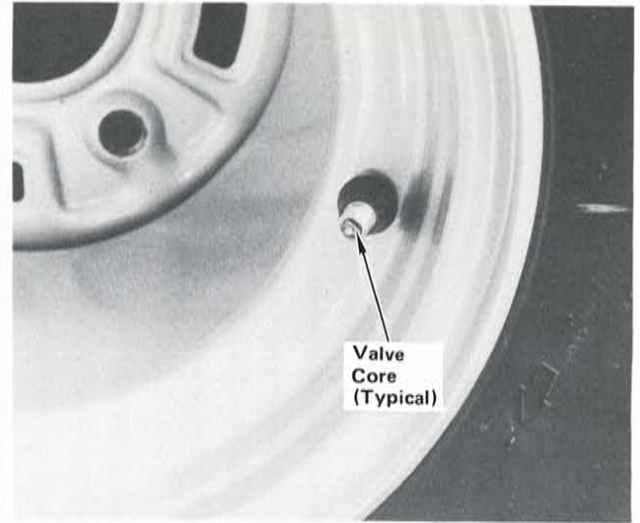
**CAUTION:** Use extreme care not to damage fuel tank, wire harnesses, or cables with lifting sling.





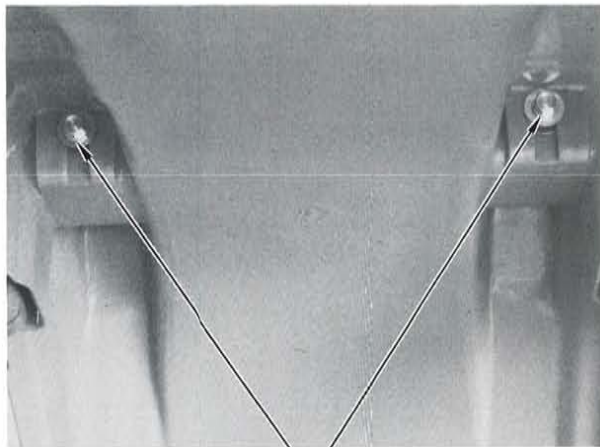
**STEP 22**—Insert left and right fork legs up into lower fork bridge. (Fork leg with axle holder goes on right side.) Align groove in upper end of each fork leg with upper hole in lower fork bridge. Install four 10 x 35 mm black flange bolts through fork holes as shown. Tighten bolts to specified torque.

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

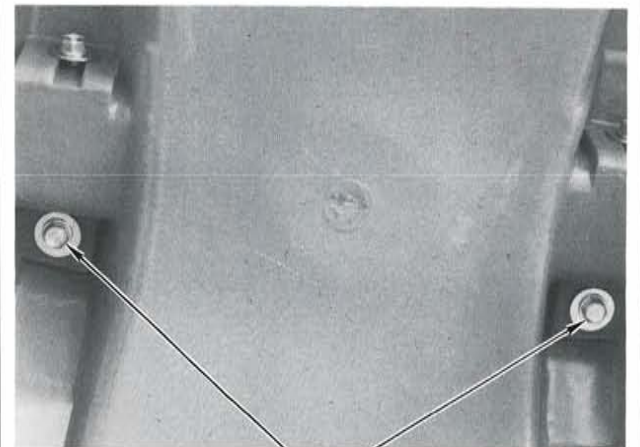


**STEP 23**—Install and tighten valve cores in all three tires. Inflate and check tire pressure of all three tires. Install valve caps.

**Tire pressure:** 2.2 psi.

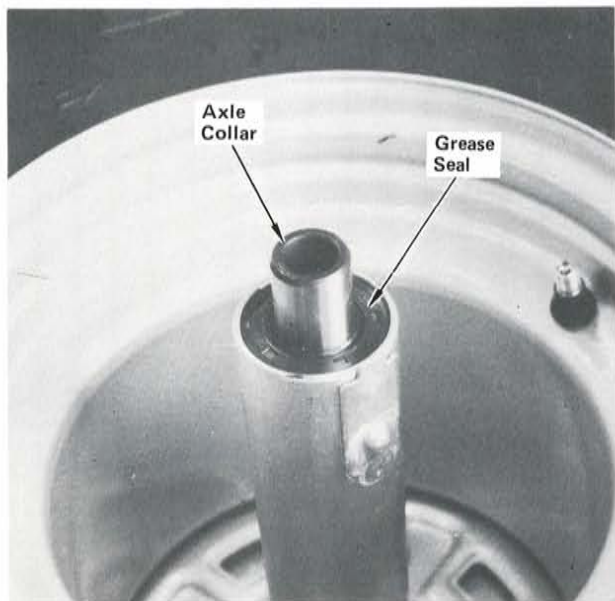


**STEP 24**—Position front fender between front fork legs with mud guard towards the rear. Install fender using two 6 x 14 mm flange bolts and 6 x 20 mm flanged washers through forward holes.

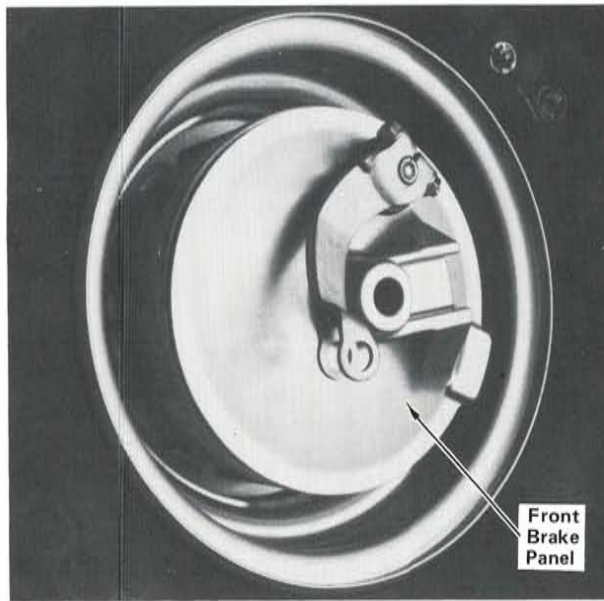


**STEP 25**—Install two 6 x 14 mm flange bolts and 6 x 20 mm flanged washers through rear holes as shown. Tighten all four fender bolts to specified torque.

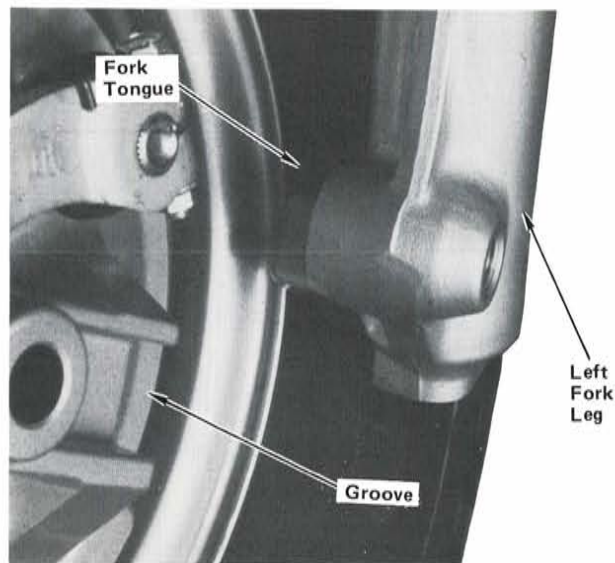
**Torque specification:**  
1.0 kg-m (8lb-ft)



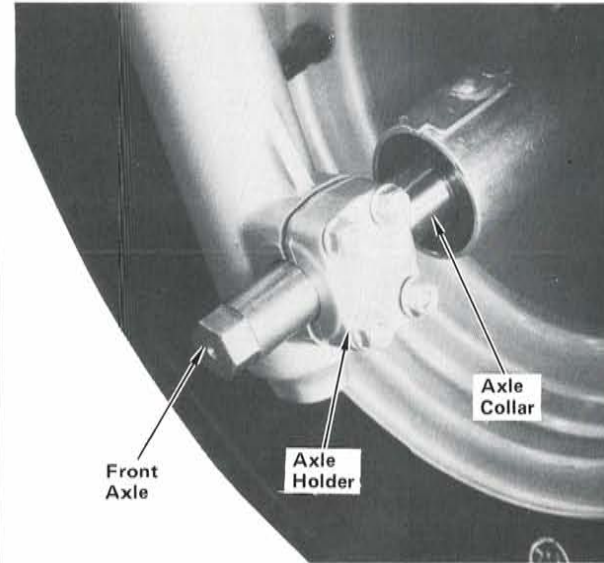
**STEP 26**—Insert axle collar into front wheel grease seal as shown.



**STEP 27**—Clean front wheel brake drum and brake linings. Insert front brake panel into brake drum as shown.

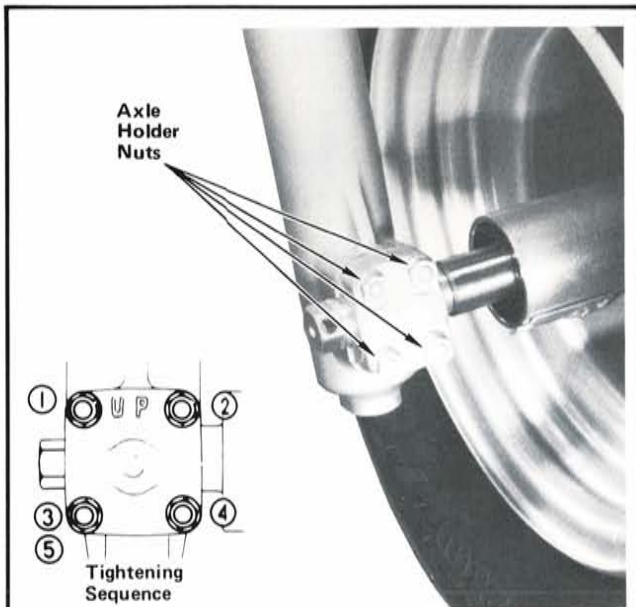


**STEP 28**—Position front wheel between front fork legs with brake panel on left, and align groove on brake panel with tongue on left fork leg.



**STEP 29**—Loosen axle holder nuts. Insert front axle from right side, between axle holder and right fork leg, through axle collar, wheel hub, and screw into left fork leg. Tighten axle to specified torque.

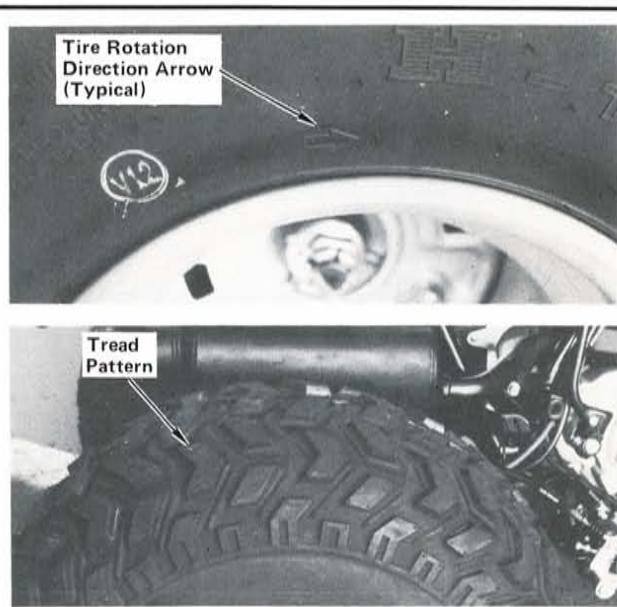
**Torque specification:**  
9.0 kg-m (68 lb-ft)



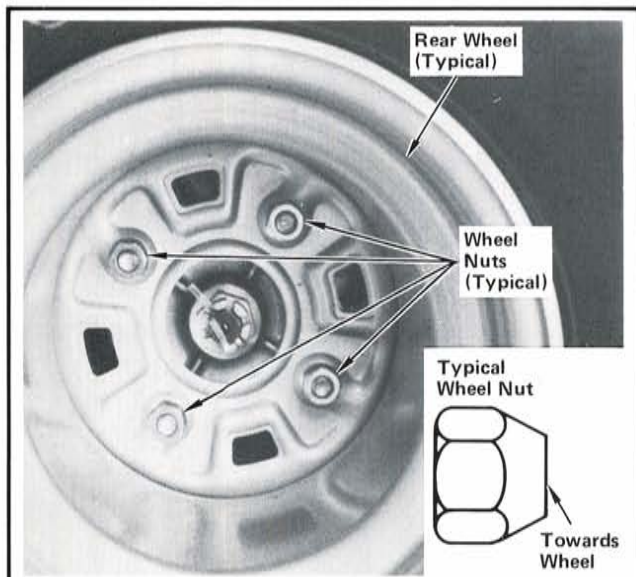
**STEP 30**—Tighten axle holder nuts to specified torque in sequence shown.

*NOTE: Be sure to retighten #3 nut after tightening #4 nut.*

**Torque specification:**  
1.2 kg-m (9 lb-ft)

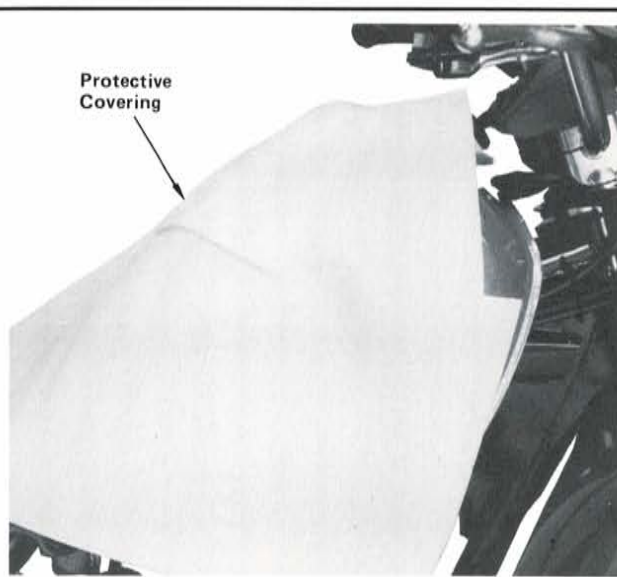


**STEP 31**—Position rear wheels so tire tread direction pattern will be same as front tire. Confirm correct position with tire rotation direction arrow on sidewall as shown.

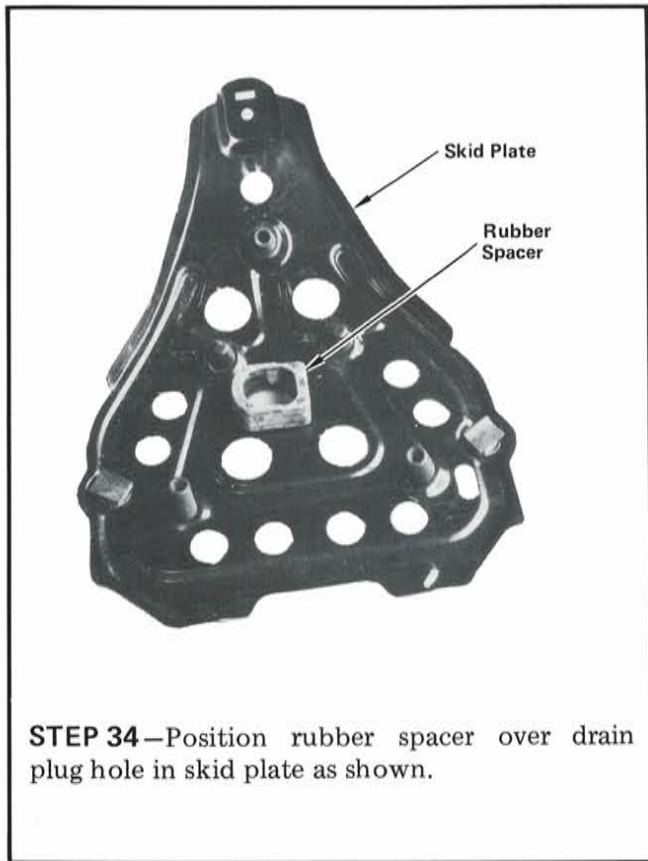


**STEP 32**—Insert studs of rear wheel hubs through rear wheels as shown. Install each hub using four 10 mm wheel nuts with cone side of nuts against wheel hubs. Tighten nuts to specified torque. Lower vehicle and remove lifting sling.

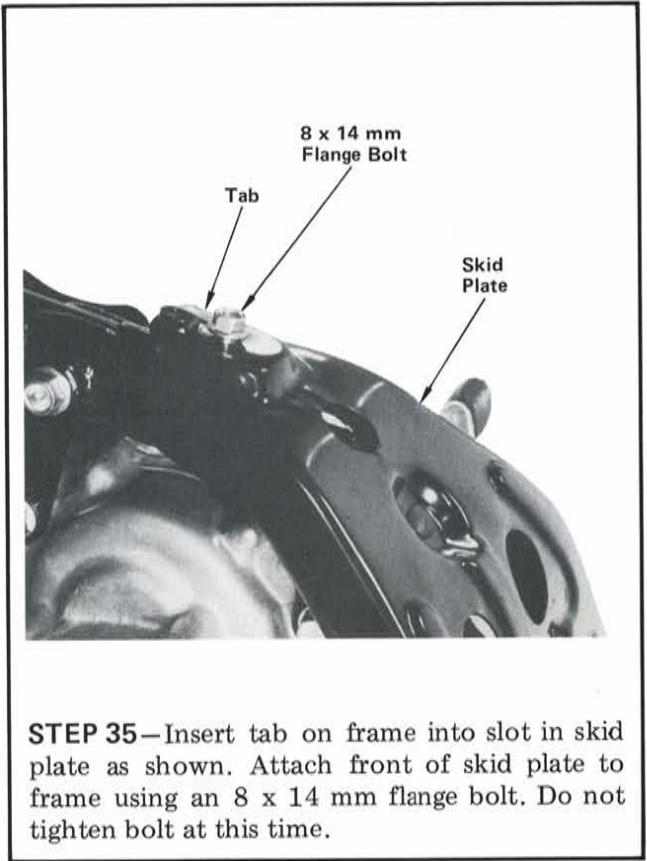
**Torque specification:**  
5.5 kg-m (40 lb-ft)



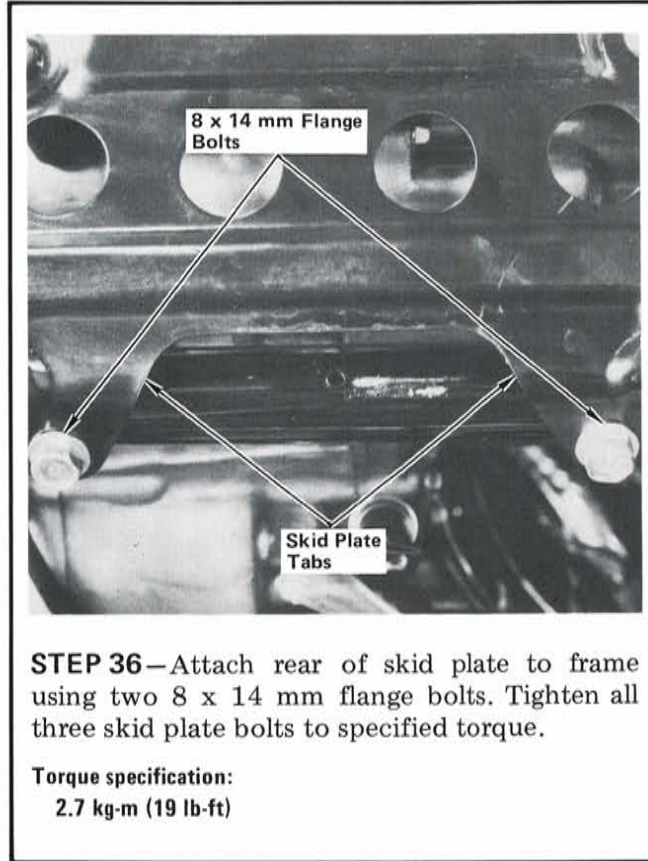
**STEP 33**—Remove protective covering from fuel tank.



**STEP 34**—Position rubber spacer over drain plug hole in skid plate as shown.

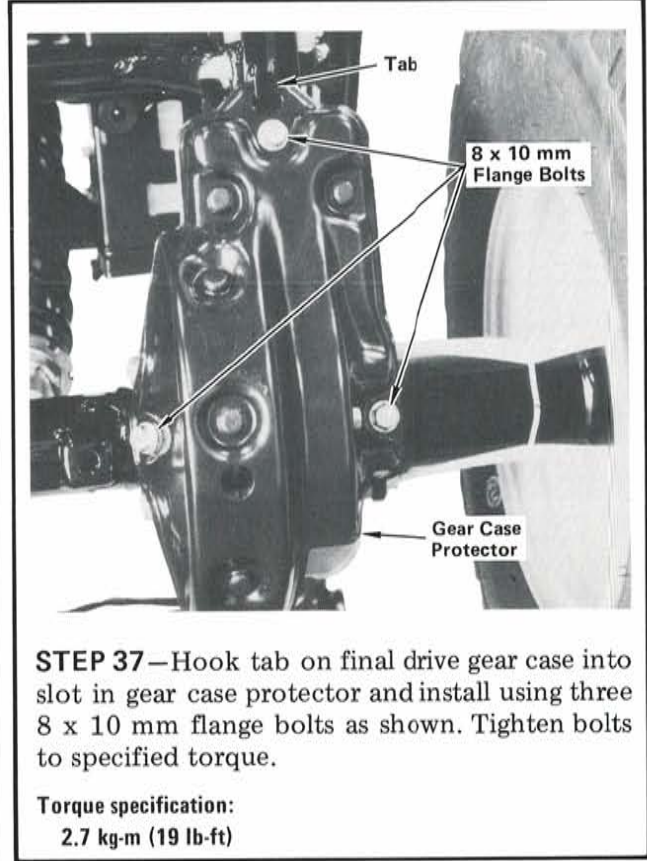


**STEP 35**—Insert tab on frame into slot in skid plate as shown. Attach front of skid plate to frame using an 8 x 14 mm flange bolt. Do not tighten bolt at this time.



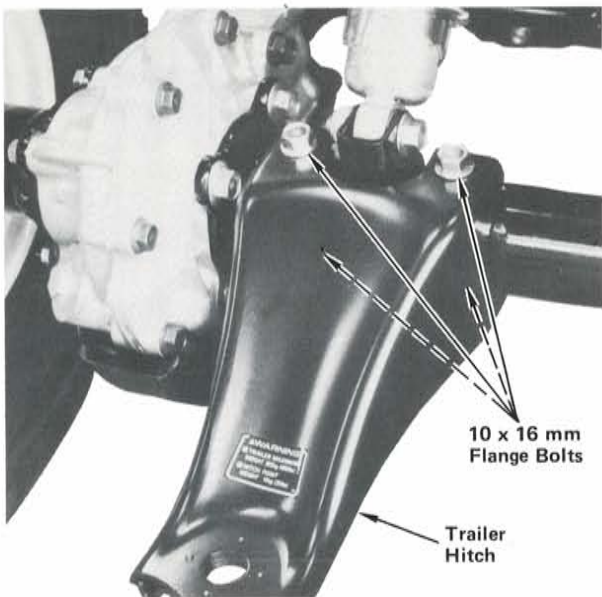
**STEP 36**—Attach rear of skid plate to frame using two 8 x 14 mm flange bolts. Tighten all three skid plate bolts to specified torque.

**Torque specification:**  
2.7 kg-m (19 lb-ft)



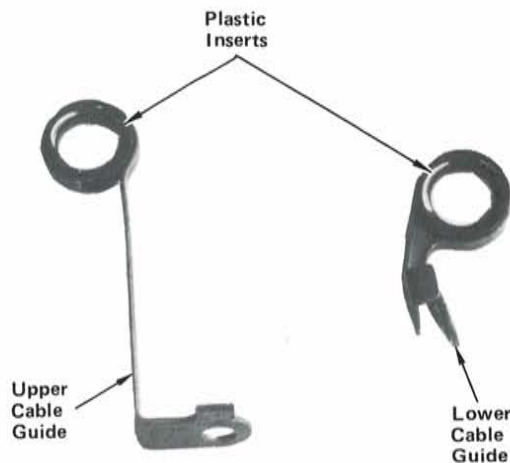
**STEP 37**—Hook tab on final drive gear case into slot in gear case protector and install using three 8 x 10 mm flange bolts as shown. Tighten bolts to specified torque.

**Torque specification:**  
2.7 kg-m (19 lb-ft)

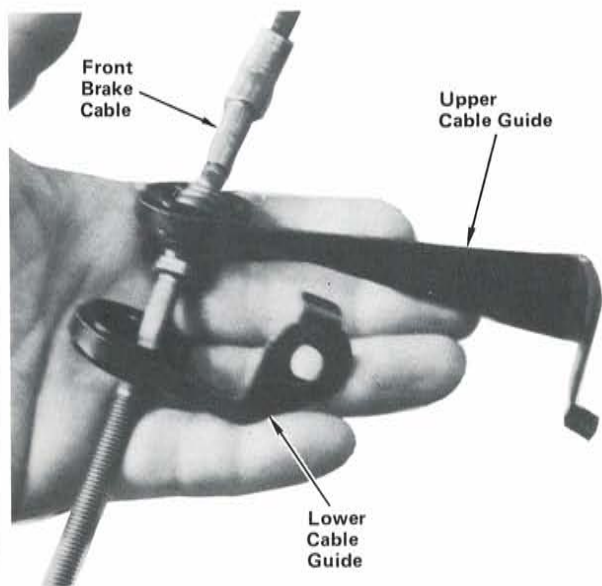


**STEP 38**—Position trailer hitch on rear axle as shown and install using four 10 x 16 mm flange bolts. Tighten bolts to specified torque.

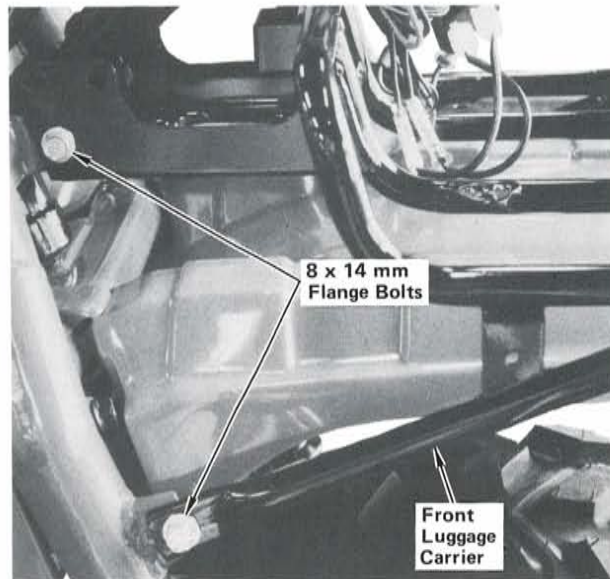
**Torque specification:**  
4.0 kg-m (30 lb-ft)



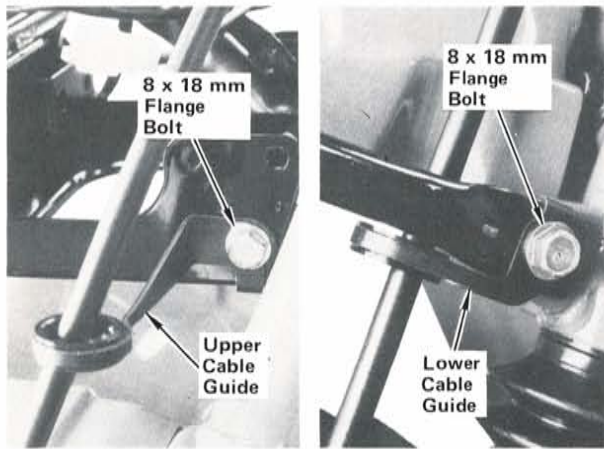
**STEP 39**—Install plastic inserts in upper and lower cable guides as shown.



**STEP 40**—Route front brake cable through upper and lower cable guides as shown.

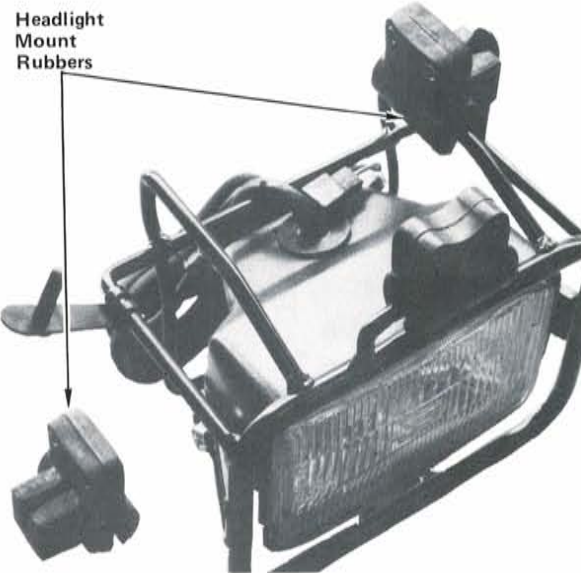


**STEP 41**—Position front luggage carrier on front fork tabs as shown, and install right side using two 8 x 14 mm flange bolts as shown. Do not tighten bolts at this time.

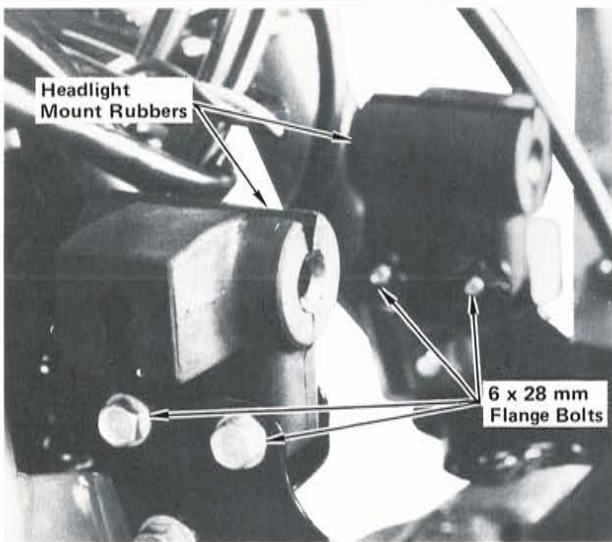


**STEP 42**—Position upper and lower front brake cable guides on front luggage carrier as shown, and install using two 8 x 18 mm flange bolts through cable guides, luggage carrier, and into front fork. Tighten all four luggage carrier bolts to specified torque.

**Torque specification:**  
2.7 kg-m (19 lb-ft)

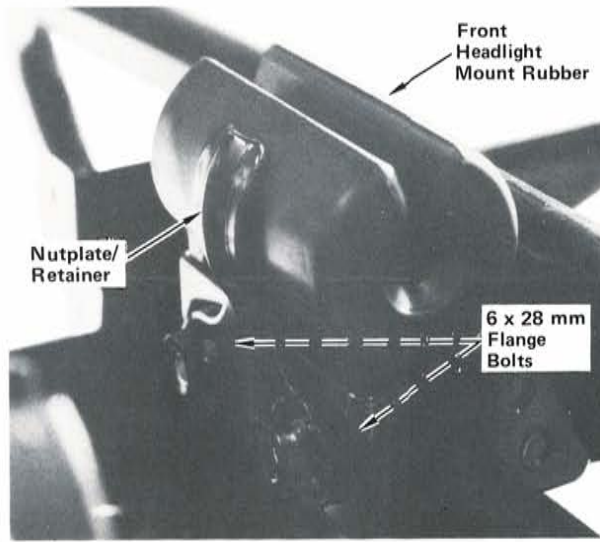


**STEP 43**—Remove headlight mount rubbers from headlight mount.



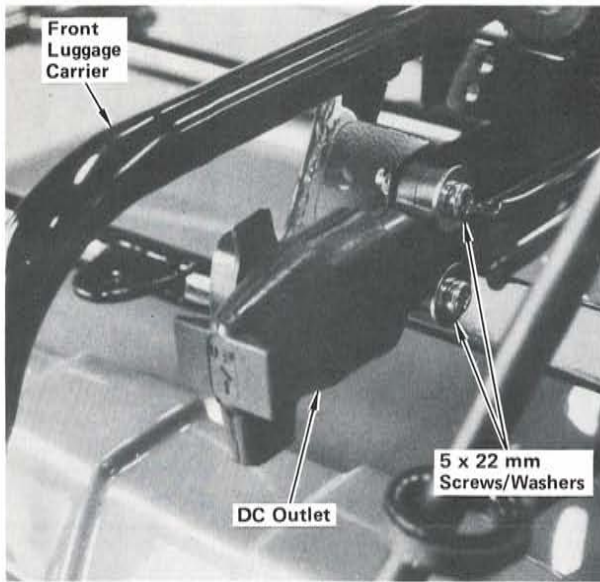
**STEP 44**—Position right and left headlight mount rubbers on front carrier as shown and install using two 6 x 28 mm flange bolts for each. Tighten bolts to specified torque.

**Torque specification:**  
1.2 kg-m (9 lb-ft)

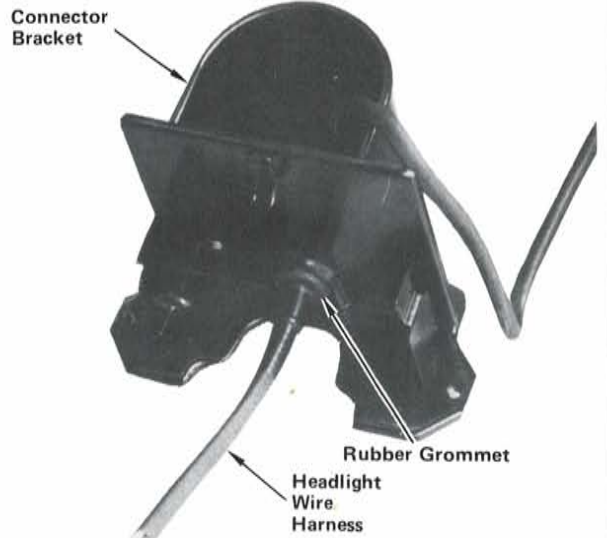


**STEP 45**—Position front headlight mount rubber on front carrier as shown and install using two 6 x 28 mm flange bolts inserted from the front. Screw bolts into combination nutplate/retainer as shown. Tighten bolts to specified torque.

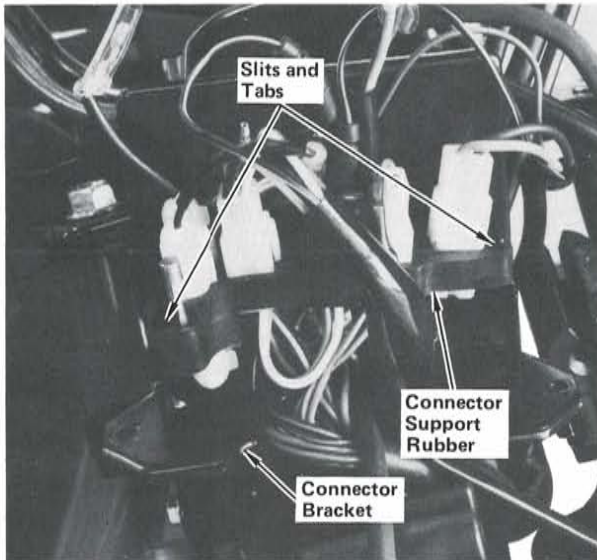
**Torque specification:**  
1.2 kg-m (9 lb-ft)



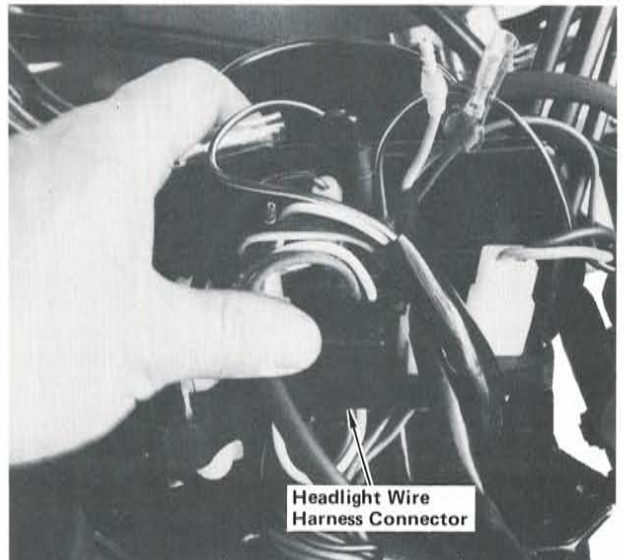
**STEP 46**—Install DC outlet as shown using two 5 x 22 mm screws/washers. Tighten screws securely.



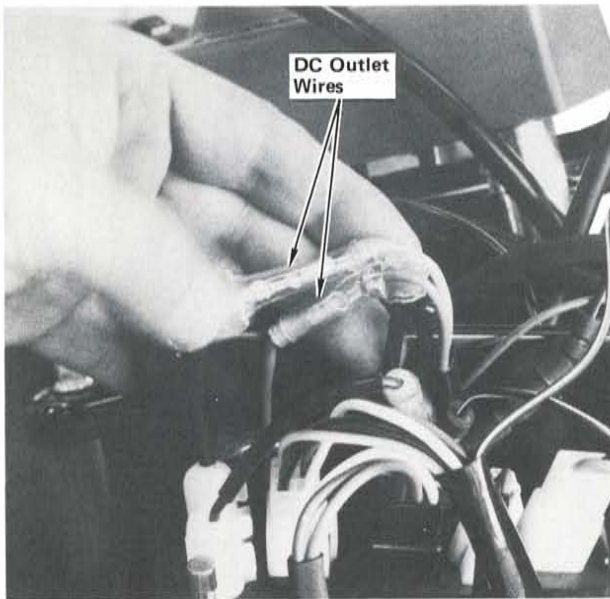
**STEP 47**—Route headlight wire harness through hole in connector bracket as shown, and install grommet in hole.



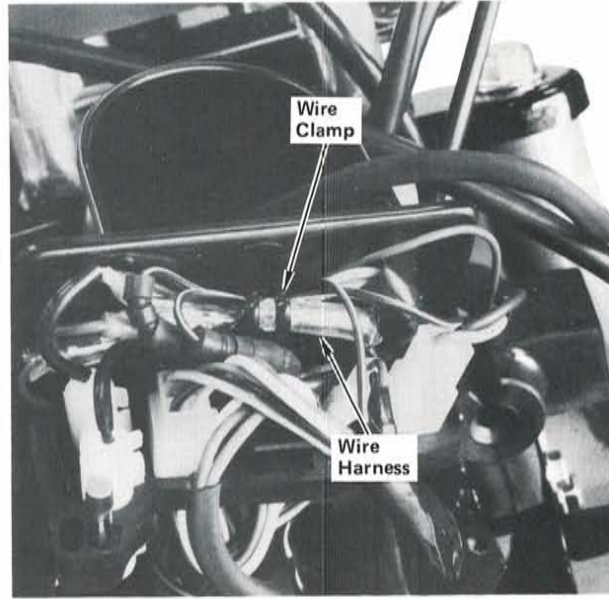
**STEP 48**—Position connector support rubber as shown and insert tabs of connector bracket into slits in ends of support rubber.



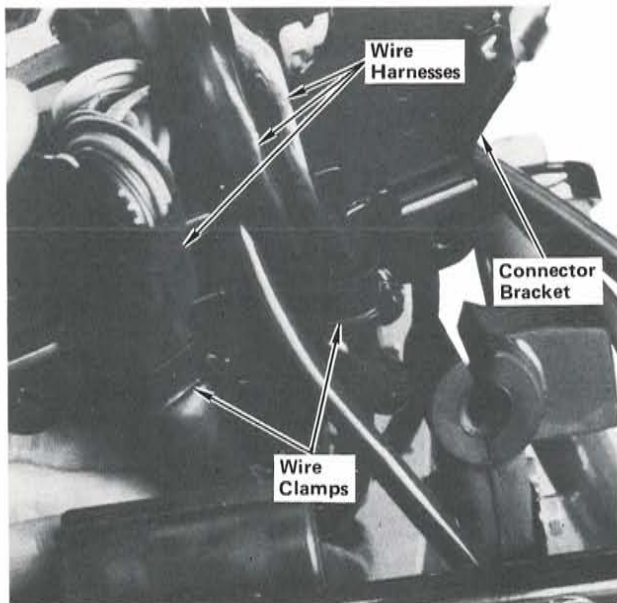
**STEP 49**—Connect headlight wire harness connector to connector in support rubber as shown.



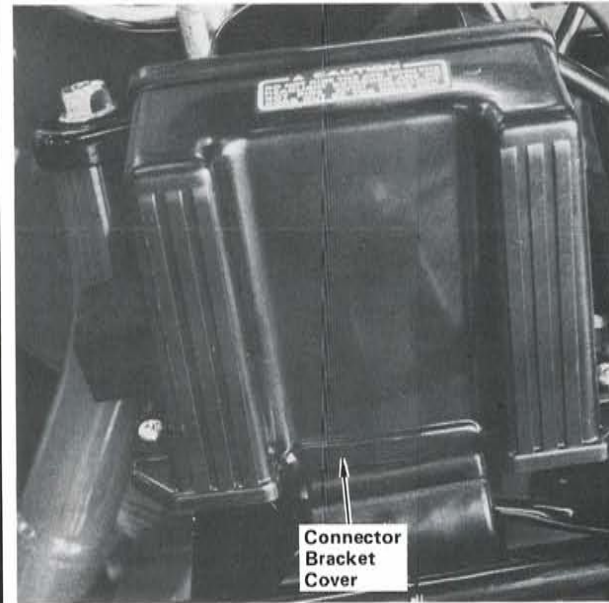
**STEP 50**—Connect DC outlet wires to wire harness color-to-color.



**STEP 51**—Secure wire harness using existing wire clamp as shown.

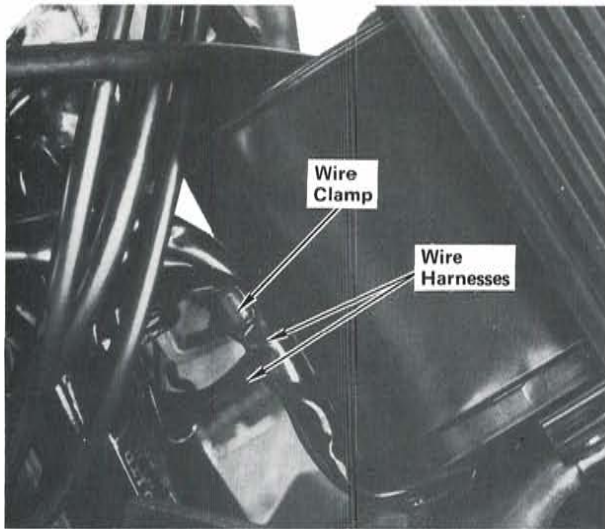


**STEP 52**—Secure the two main wire harnesses to the bottom of the connector bracket with the two wire clamps as shown.

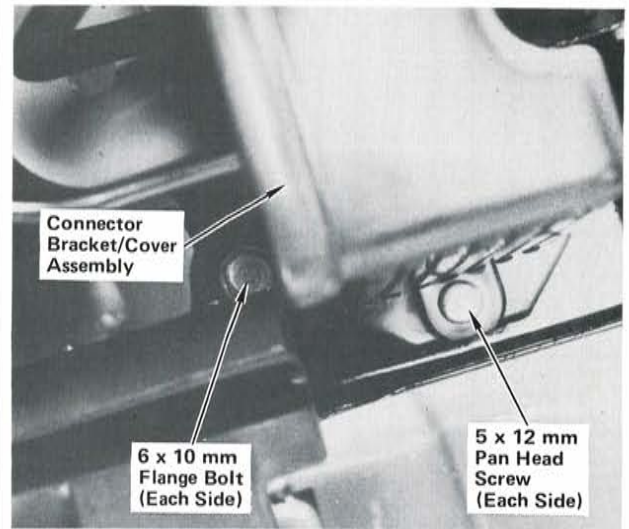


**STEP 53**—Slip connector bracket cover over connector bracket as shown.



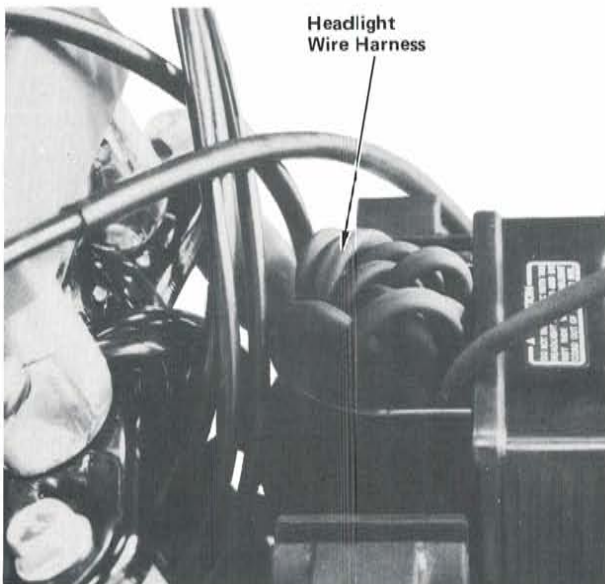


**STEP 54**—Secure wire harness to back of connector bracket/cover assembly as shown using wire clamp provided.

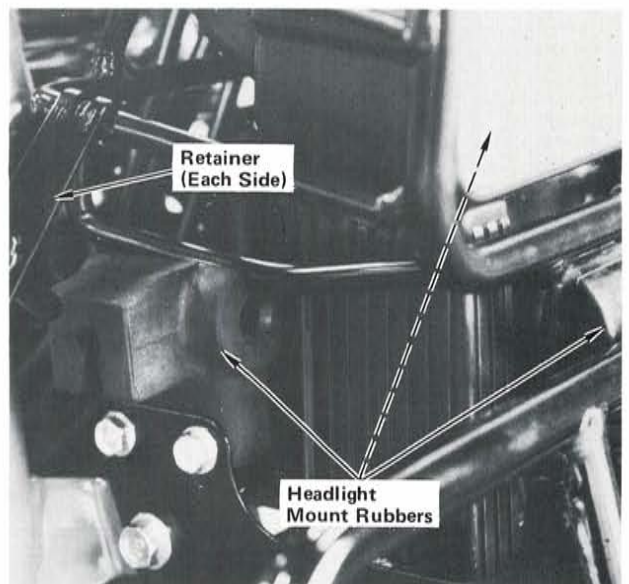


**STEP 55**—Position connector bracket/cover assembly as shown and install, using two 6x10mm flange bolts for the bracket and two 5x12mm pan head screws for the cover. Tighten flange bolts to specified torque, and tighten cover screws securely.

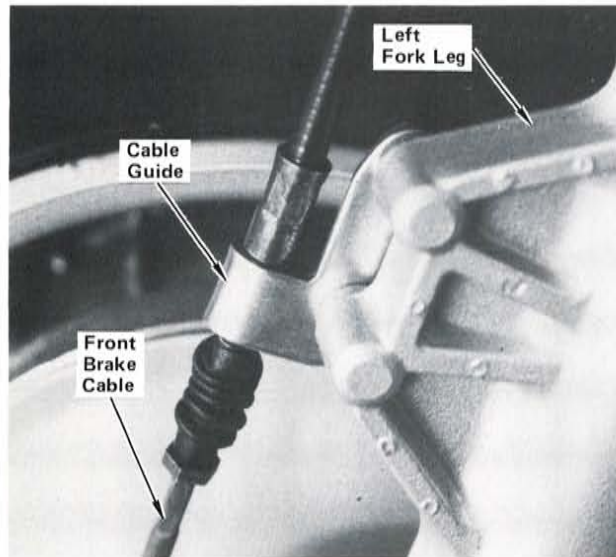
**Torque specification:**  
1.2 kg-m (9 lb-ft)



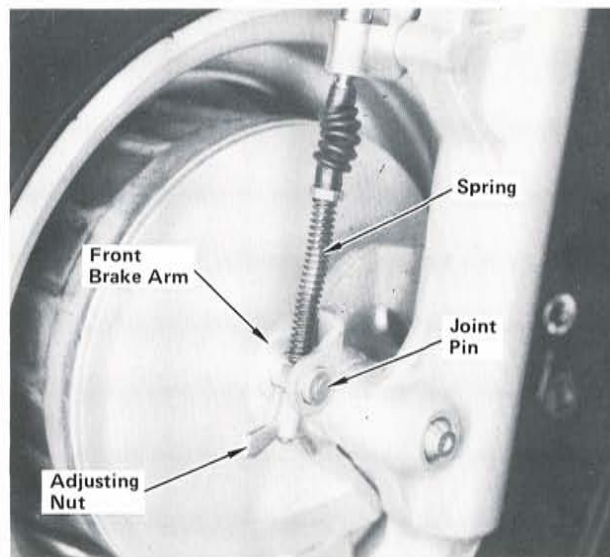
**STEP 56**—Coil headlight wire harness as shown and secure with attached wire band. Insert coil of wire into compartment on back of connector bracket as shown.



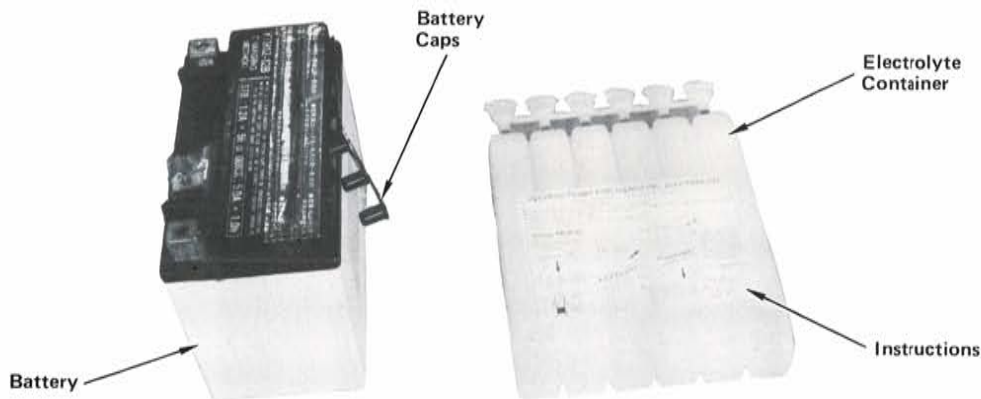
**STEP 57**—Press headlight mount bracket down into the three slots of the headlight mount rubbers. This will require firm pressure. Press retainers into mount rubbers on each side.



**STEP 58**—Insert front brake cable into slot of cable guide on left fork leg as shown.



**STEP 59**—Slip spring over end of front brake cable. Connect cable to brake arm using a joint pin and adjusting nut as shown. Insert cable end into slot in front brake hand lever and pull back through slots in knurled nut and cable adjuster. Adjust front and rear brakes as described in Steps 92 through 94.

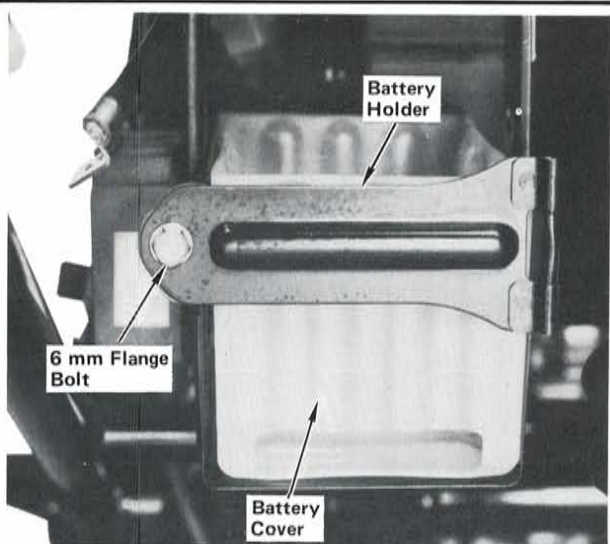


**STEP 60**—Remove vinyl cover from battery. Service battery as described in battery booklet or on battery preparation label on battery electrolyte container.

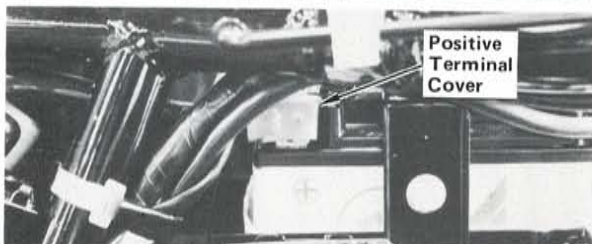
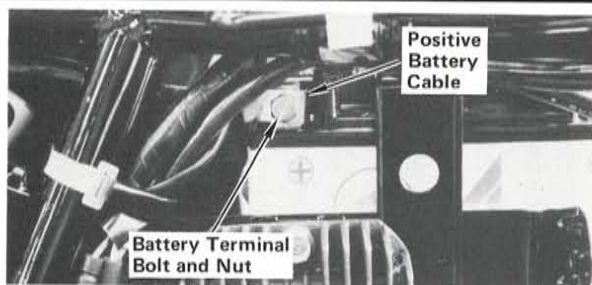
**WARNING** Battery electrolyte contains sulfuric acid. Avoid contact with skin, eyes, or clothing. Antidote: Flush with water and get prompt medical attention.

**CAUTION:**

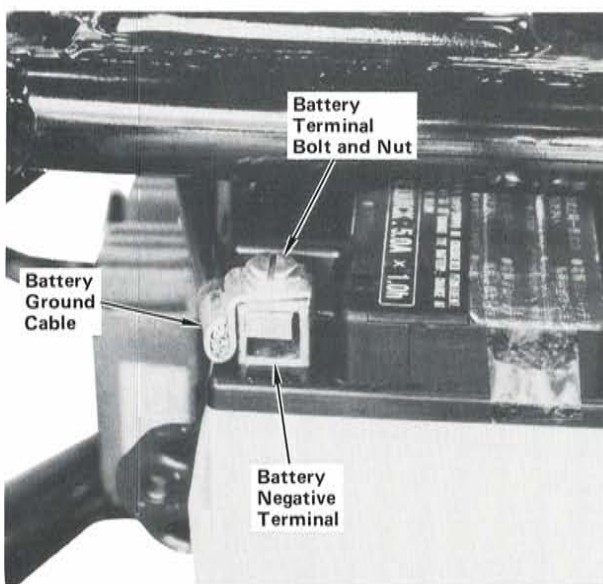
- Remove battery from vehicle whenever filling it with battery electrolyte.
- Do not use battery liquids other than that furnished with battery.
- After filling battery, check that there is no electrolyte left in the container.
- Dispose of container properly.



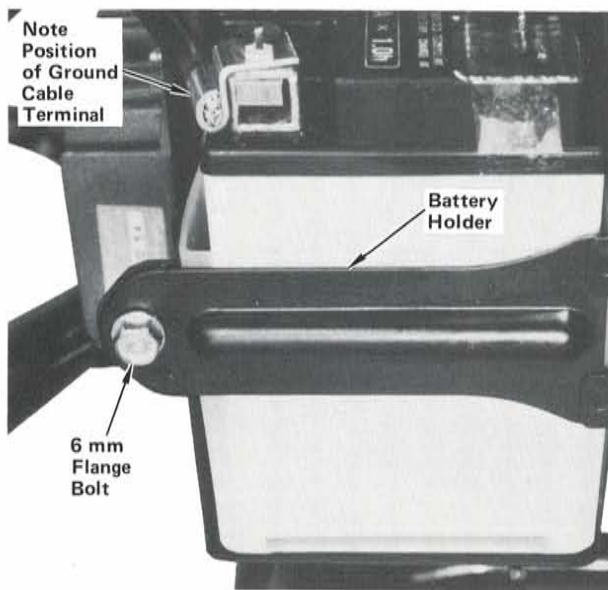
**STEP 61**—Remove and retain flange bolt attaching battery holder. Swing open battery holder and remove battery cover.



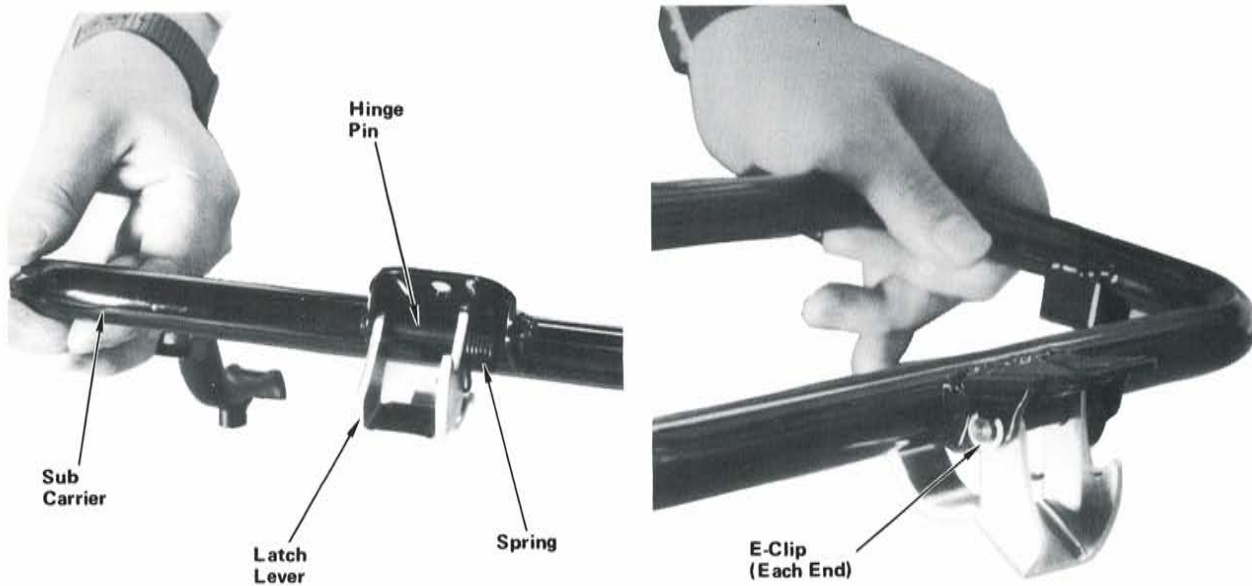
**STEP 62**—Check that ignition switch is off. Place battery in battery cover and slide into battery compartment with terminals facing left side. Connect positive battery cable (cable with terminal cover) to battery positive (+) terminal using a battery terminal bolt and nut as shown. Tighten bolt securely and coat terminal with clean grease. Slip terminal cover over positive terminal.



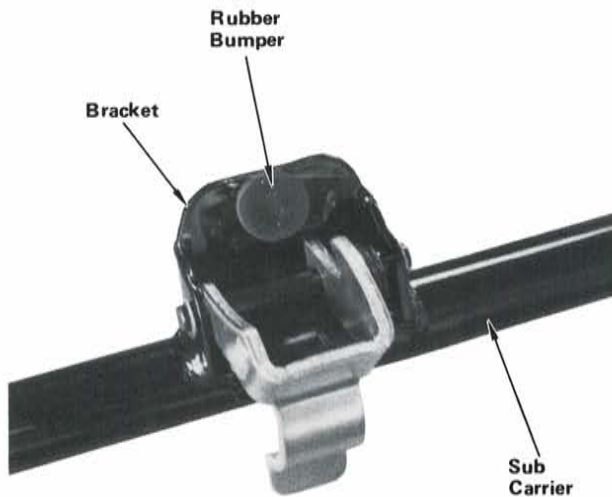
**STEP 63**—Connect ground cable to battery negative (-) terminal using a battery terminal bolt and nut as shown. Tighten bolt securely and coat terminal with clean grease.



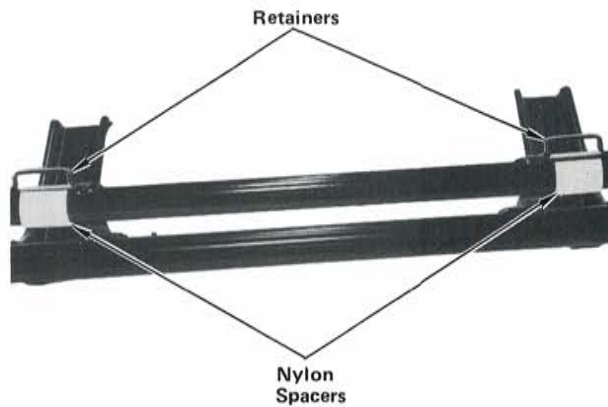
**STEP 64**—Close battery holder and secure with flange bolt removed in Step 61. Tighten bolt securely.



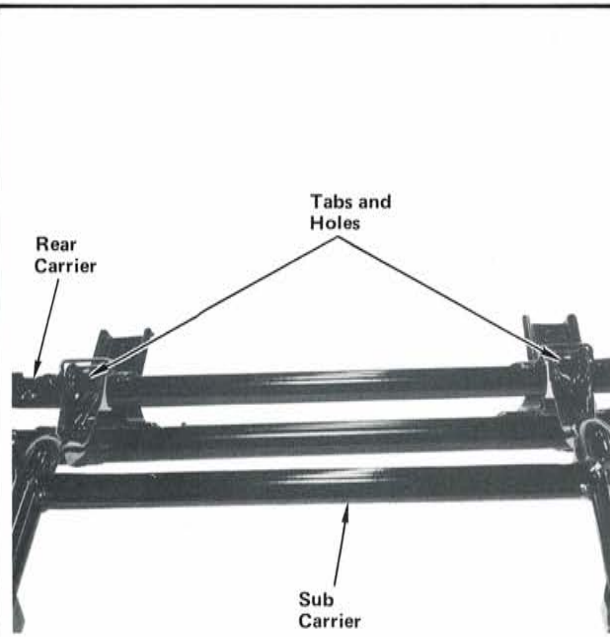
**STEP 65**—Install latch lever on sub carrier bracket as shown, using a hinge pin and spring. Hook curved end of spring into latch lever as shown. Secure hinge pin using an E-clip inserted in groove at each end. Check operation of latch.



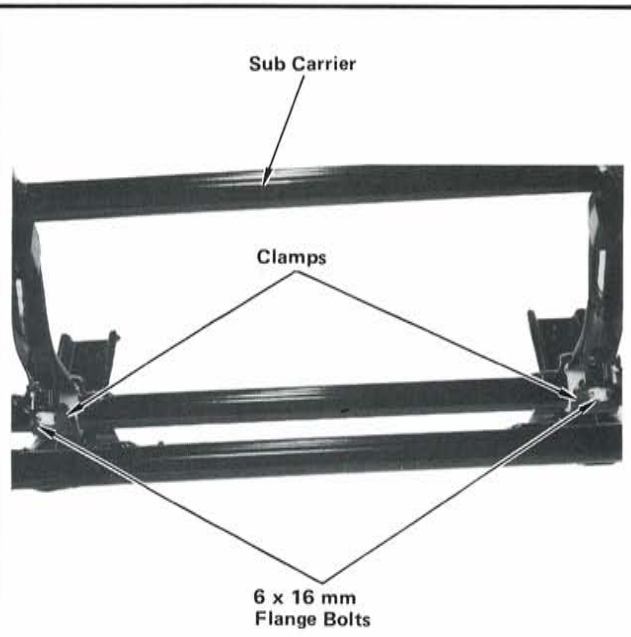
**STEP 66**—Press rubber bumper up through hole of sub carrier bracket as shown.



**STEP 67**—Slip nylon spacers onto rear carrier where shown.

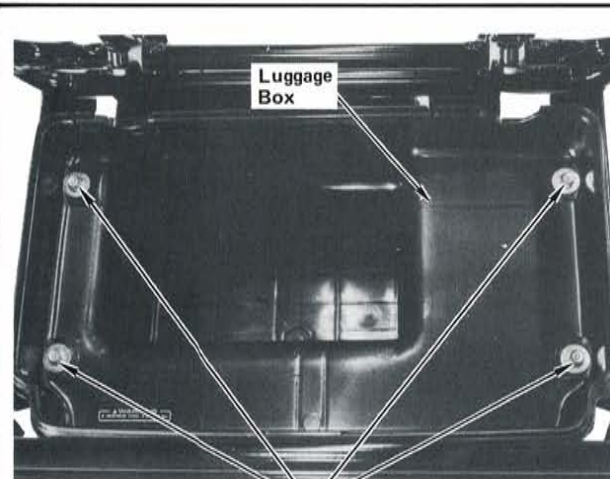


**STEP 68**—Position sub carrier on rear carrier as shown, with tabs of spacers inserted into holes of sub carrier as shown.



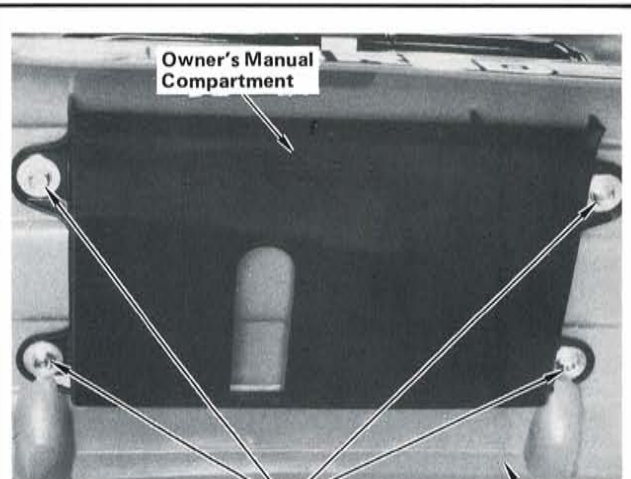
**STEP 69**—Clamp sub carrier to nylon spacers using two clamps and a 6 x 16 mm flange bolt for each. Tighten bolts to specified torque.

**Torque specification:**  
1.2 kg-m (9 lb-ft)



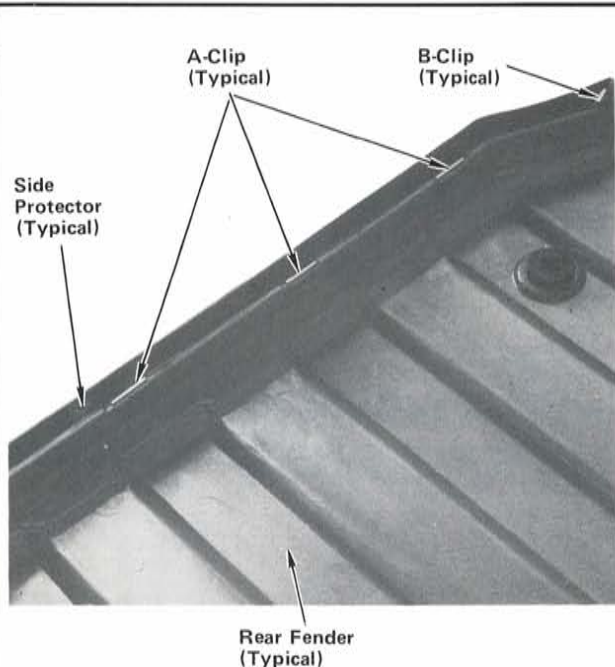
**STEP 70**—Position luggage box on rear carrier as shown and install using four 6 x 20 mm washers and 6 x 16 mm flange bolts. Tighten bolts to specified torque.

**Torque specification:**  
1.2 kg-m (9 lb-ft)

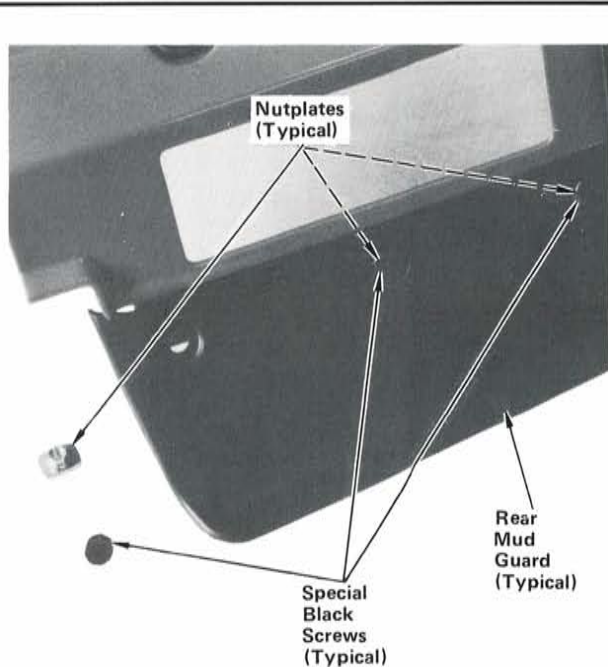


**STEP 71**—Position luggage box cover and owner's manual compartment on sub carrier as shown and align holes. Install cover and compartment using four 6 x 16 mm flange bolts and 6 x 20 mm washers as shown. Tighten bolts to specified torque.

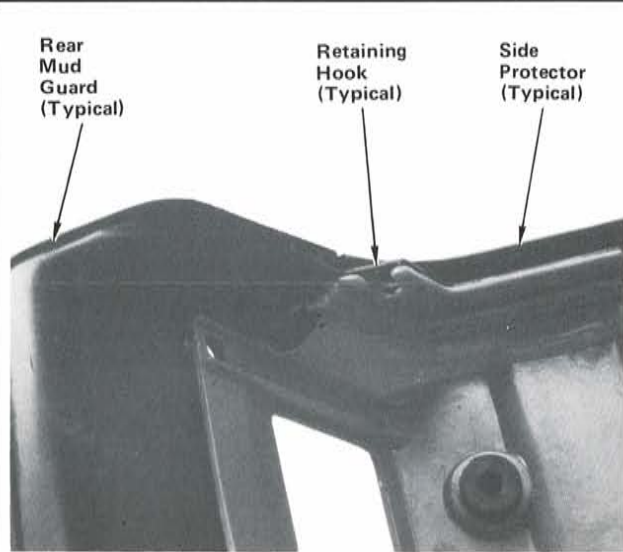
**Torque specification:**  
1.2 kg-m (9 lb-ft)



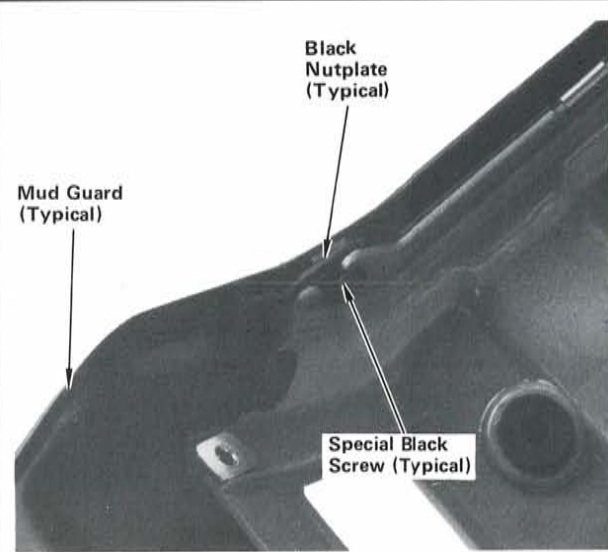
**STEP 72**—Slide right and left side protectors onto right and left rear fenders as shown, and secure each with a B-clip (narrow) at the front and three A-clips (wide) positioned along the edge where shown.



**STEP 73**—Loosely install rear mud guards as shown using three special black screws with nutplates under fender.

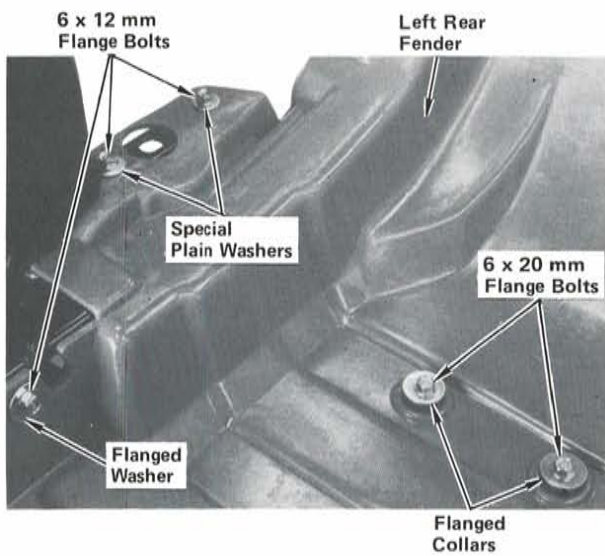


**STEP 74**—Position rear mud guards on rear fenders as shown, with retaining hooks of mud guards inserted between fender and side protector as shown.

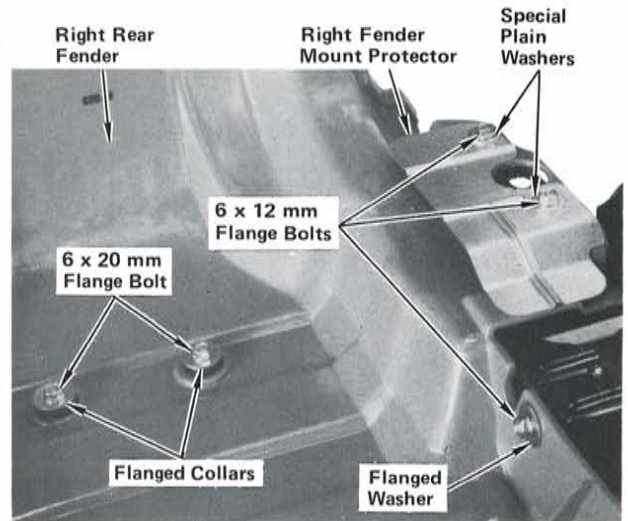


**STEP 75**—Align cutouts of retaining hooks on mud guards with holes in side protectors and fenders. Install hooks using a special black screw from underneath with a black nutplate for each mud guard. Tighten all mud guard screws to specified torque.

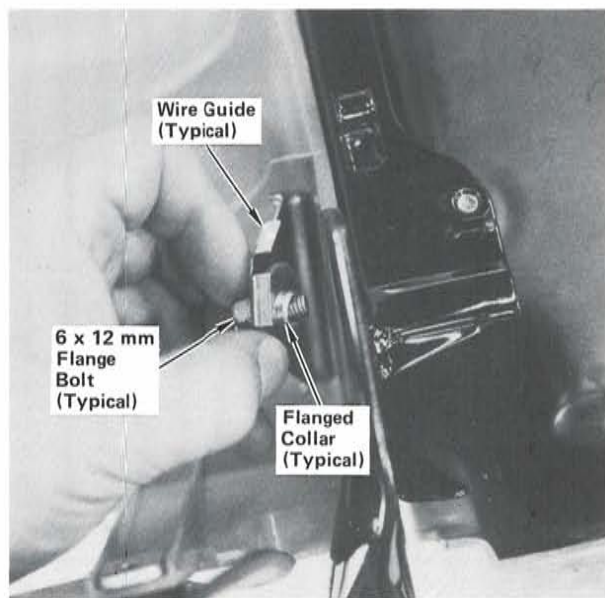
**Torque specification:**  
0.35 kg-m (3 lb-ft)



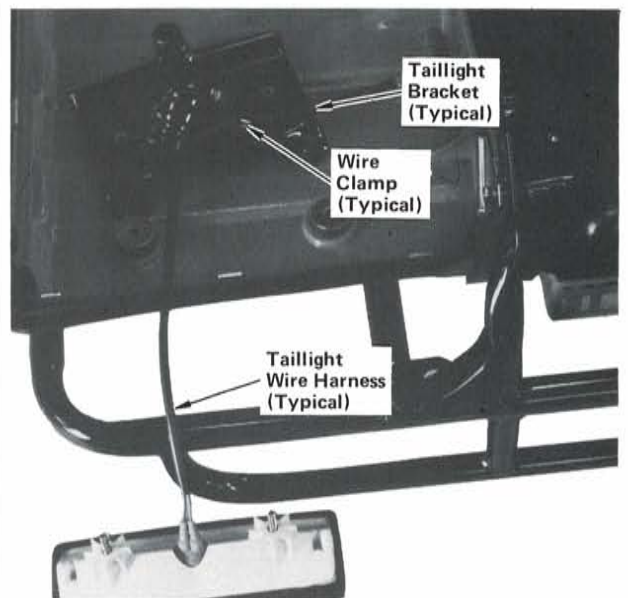
**STEP 76**—Position rear fenders on rear carrier and press flanged collars into rubber grommets in fenders where shown. Install left fender using three 6 x 12 mm flange bolts and flanged washers and two 6 x 20 mm flange bolts where shown. Do not tighten bolts at this time.



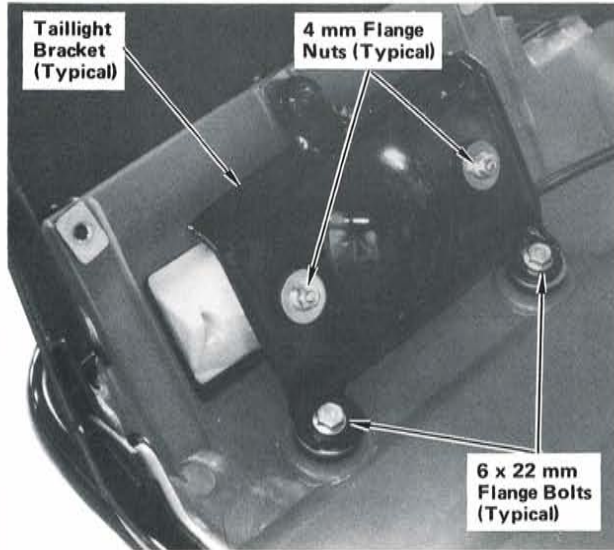
**STEP 77**—Position rear fender mount protector under right rear fender as shown. Install right fender using three 6 x 12 mm flange bolts, plain washers and flange washer where indicated. Install two 6 x 20 mm flange bolts and flanged collars through rubber grommets where shown. Do not tighten bolts at this time.



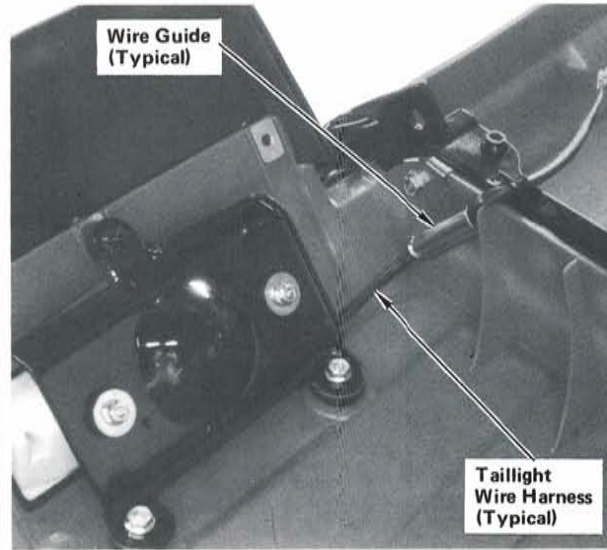
**STEP 78**—Loosely install taillight wire guide using a 6 x 12 mm flange bolt through wire guide and a flanged collar through fender and into rear carrier as shown for each fender. Do not tighten bolts at this time.



**STEP 79**—Route taillight wire harness through opening in rear fender and wire clamp of taillight bracket for each rear fender as shown.

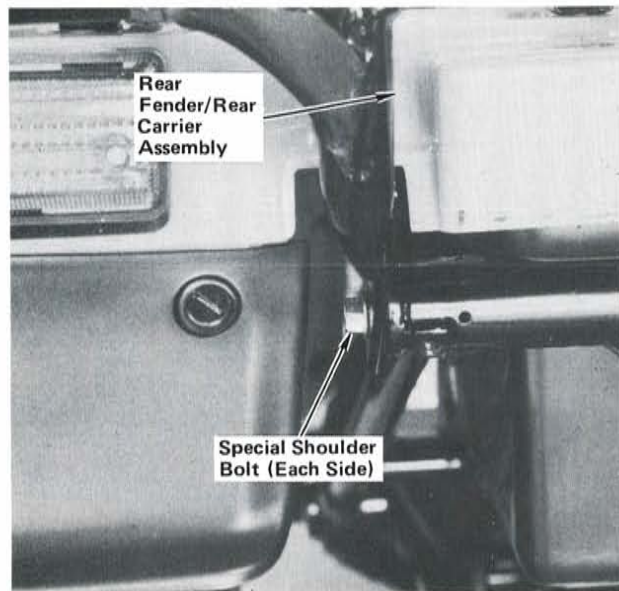


**STEP 80**—Position each taillight bracket as shown and insert studs of each taillight into bracket as shown. Install taillights using two 4 mm flange nuts on each. Tighten nuts securely. Install taillight bracket under each fender as shown using two 6 x 22 mm flange bolts for each. Do not tighten 6 mm bolts at this time.



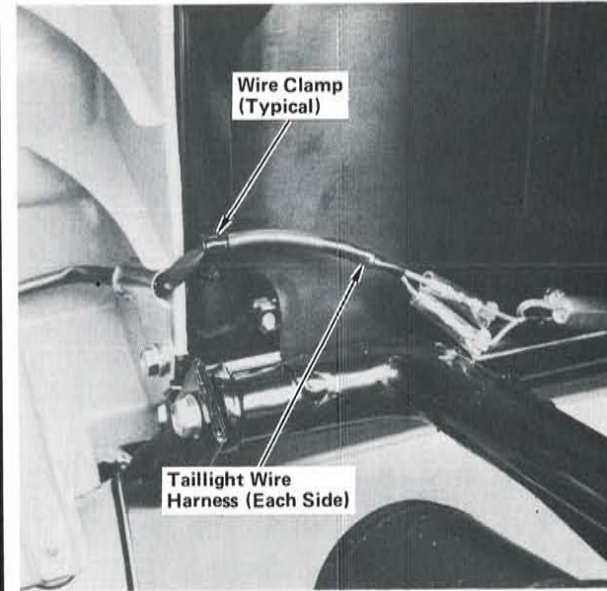
**STEP 81**—Route taillight wire harness through wire guide and wire clip for each taillight as shown. Tighten all 6 mm bolts installed in previous steps to specified torque.

**Torque specification:**  
1.2 kg-m (9 lb-ft)



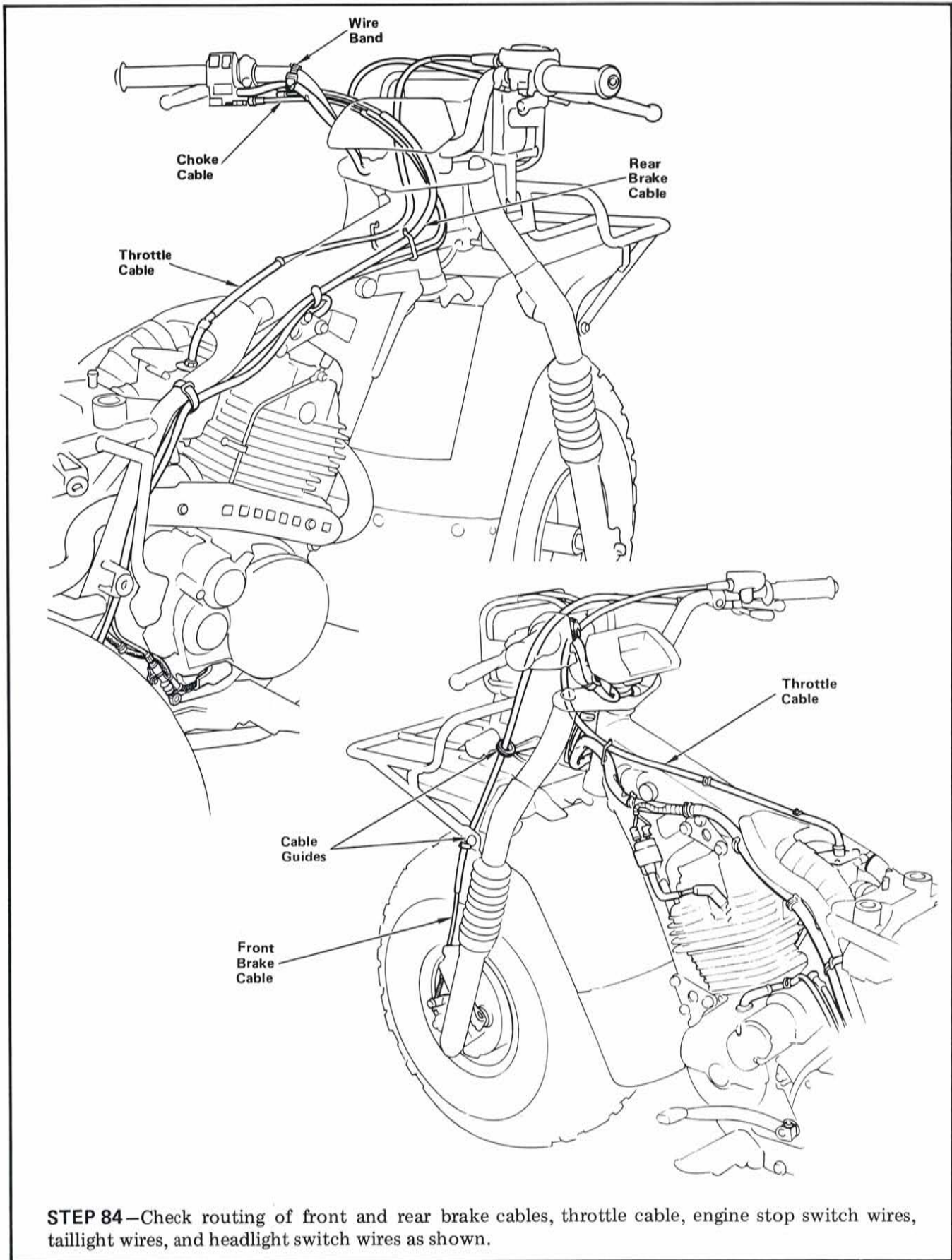
**STEP 82**—Position rear fender/rear carrier on frame as shown and install using two special shoulder bolts through carrier into frame. Tighten bolts to specified torque.

**Torque specification:**  
2.7 kg-m (20 lb-ft)

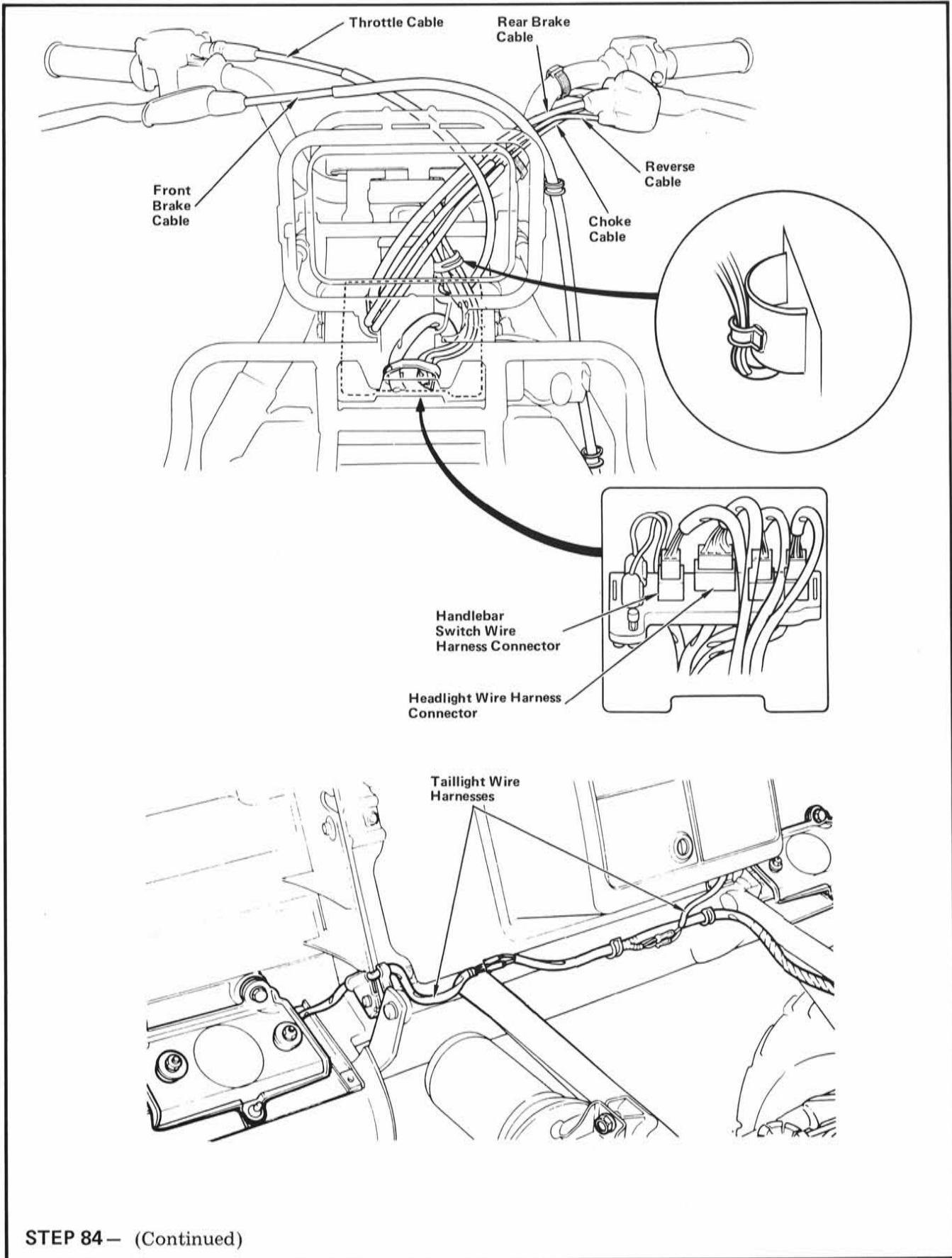


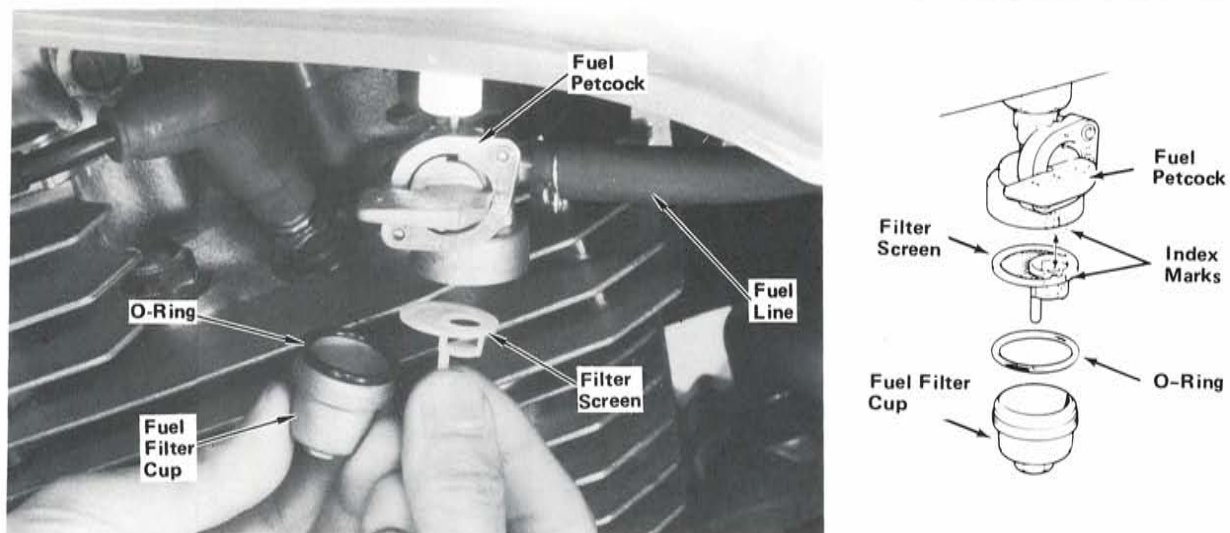
**STEP 83**—Connect taillight wire harnesses to wire harness color-to-color. Secure taillight wire harnesses on each side with wire clamps as shown.





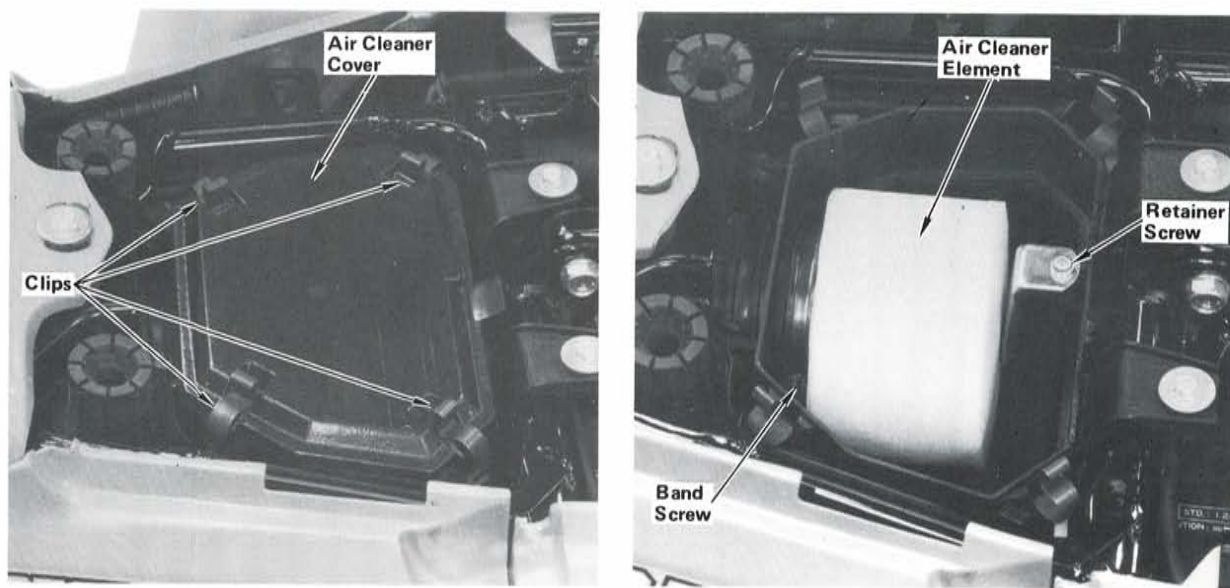
**STEP 84**—Check routing of front and rear brake cables, throttle cable, engine stop switch wires, taillight wires, and headlight switch wires as shown.



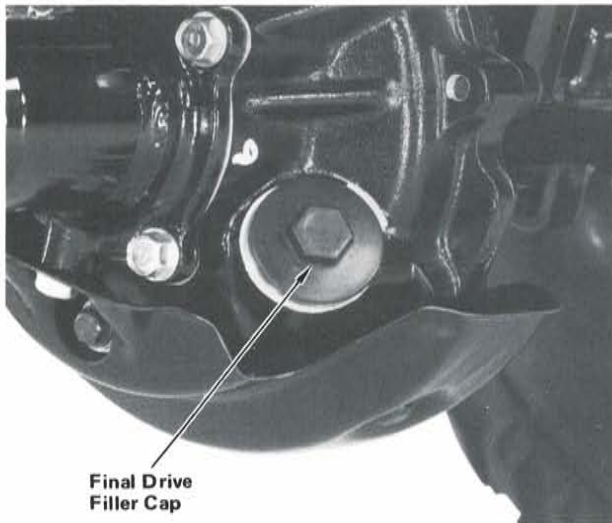


**STEP 85**—Turn fuel petcock to OFF. Remove fuel filter cup and wash cup and filter screen in clean non-flammable or high flash point solvent. Drain, flush and inspect fuel tank. Reinstall filter screen and “O” ring, aligning index marks on filter screen and fuel petcock body. Install filter cup and tighten to a torque of 0.4 kg-m (3 lb-ft). Drain residual fuel from carburetor.

**WARNING** Fuel must be drained into a proper container. Gasoline is flammable and is explosive under certain conditions. Do not smoke or allow flames or sparks near the equipment while draining fuel.



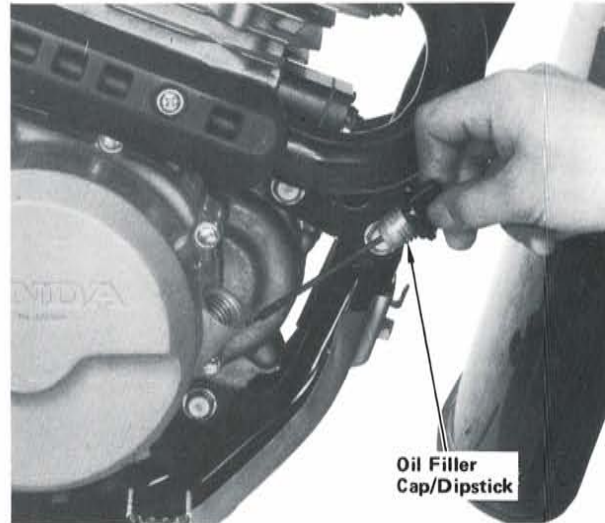
**STEP 86**—Release four clips attaching air cleaner cover and remove cover. Loosen band screw and remove retainer screw. Remove air cleaner element. Check condition of element. If necessary, clean and oil element as described in owner’s manual or shop manual. Reinstall element. Tighten retainer screw and band screw securely. Reinstall cover. Make sure clips are secure.



Final Drive  
Filler Cap

**STEP 87**—Remove oil filler cap from final drive gear case. Check that oil level is even with lower edge of oil filler hole. If necessary, add recommended oil. Reinstall and tighten oil filler cap.

**Recommended oil:**  
Hypoid Gear Oil SAE 80



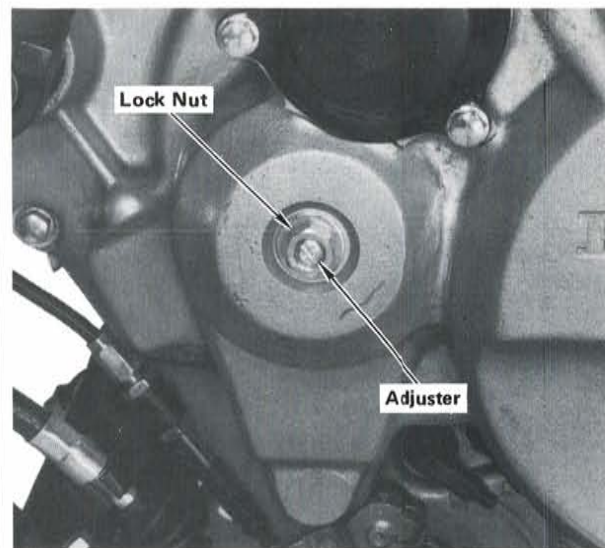
Oil Filler  
Cap/Dipstick

**STEP 88**—Remove oil filler cap/dipstick and fill crankcase with recommended oil as described in owner's manual. Reinstall and tighten oil filler cap/dipstick.



Throttle  
Stop Screw

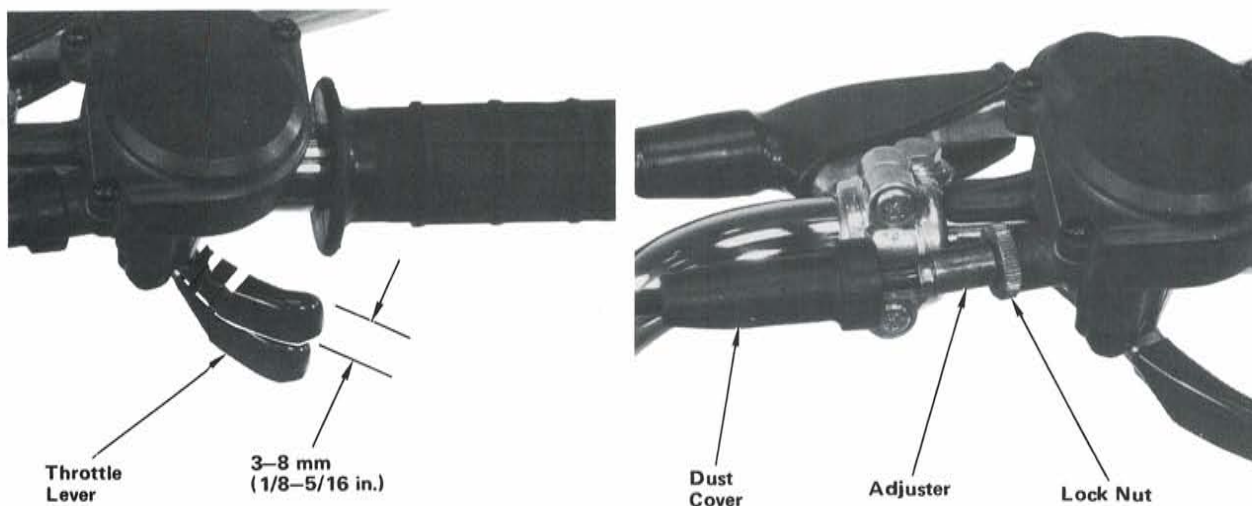
**STEP 89**—Connect a tachometer and check transmission in neutral. Start engine and allow it to warm up to operating temperature and check idle speed at  $1,400 \pm 100$  rpm. If necessary, adjust idle speed using throttle stop screw. Remove tachometer.



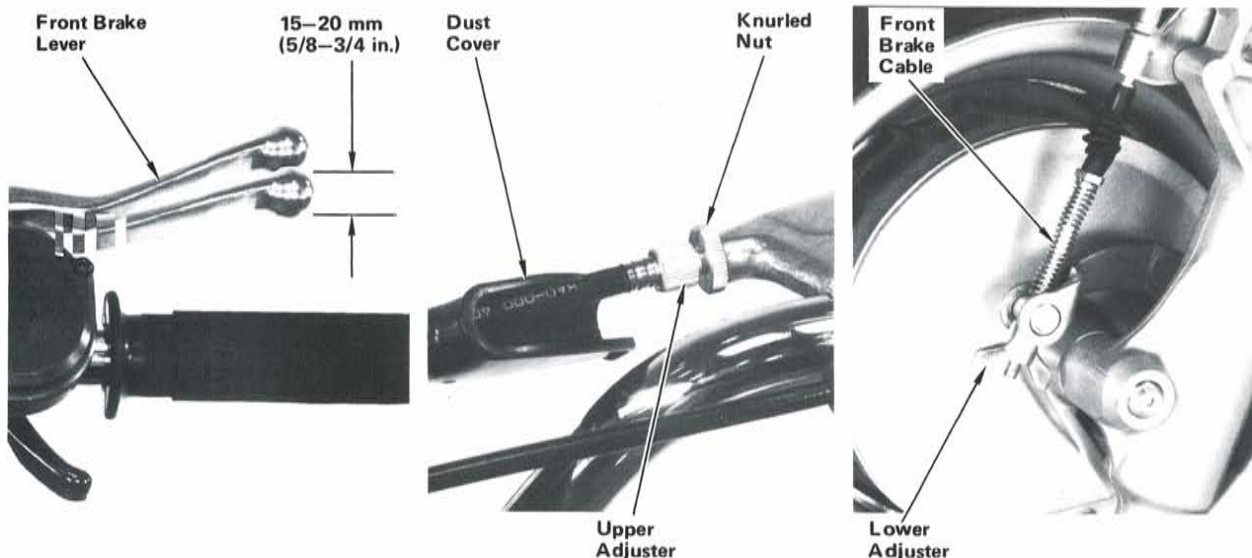
Lock Nut

Adjuster

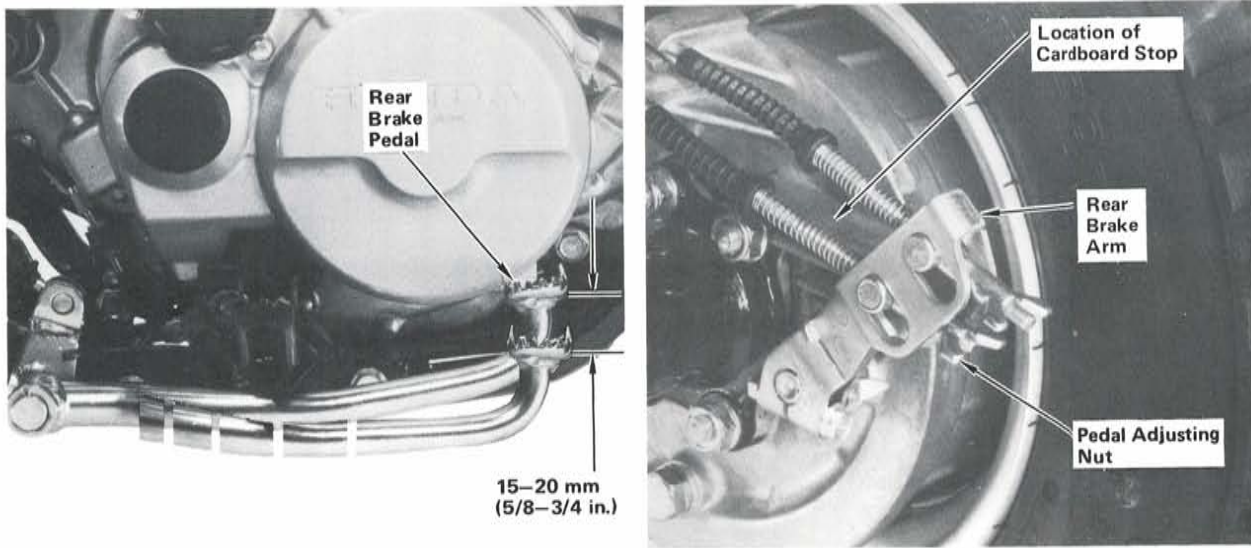
**STEP 90**—Check clutch operation. If adjustment is necessary, use the following procedure. Loosen lock nut and turn clutch adjuster counterclockwise until resistance is felt, then turn clutch adjuster  $1/8$ – $1/4$  turn clockwise and tighten lock nut. Recheck clutch operation.



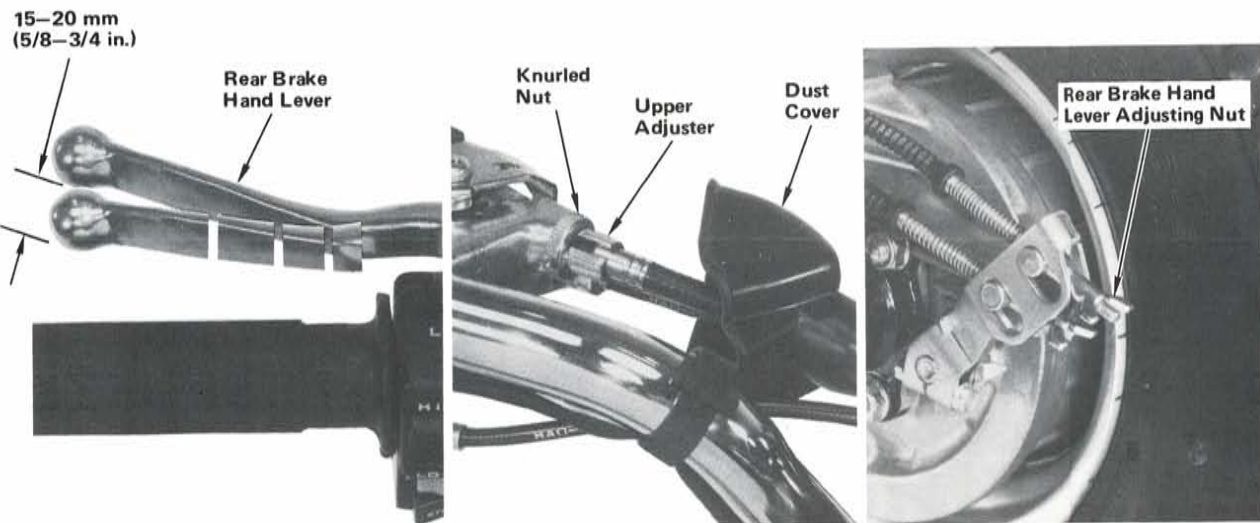
**STEP 91**—Check throttle cable for condition. Check that throttle lever free play is within 3–8 mm (1/8–5/16 in.) at tip of throttle lever. Check for smooth operation of throttle lever from fully closed to fully open in all steering positions and that throttle lever automatically returns from fully open to fully closed when released. If necessary to adjust free play, slide dust cover back to expose adjuster. Loosen lock nut and turn adjuster to obtain correct free play. After adjustment, tighten lock nut and reinstall dust cover.



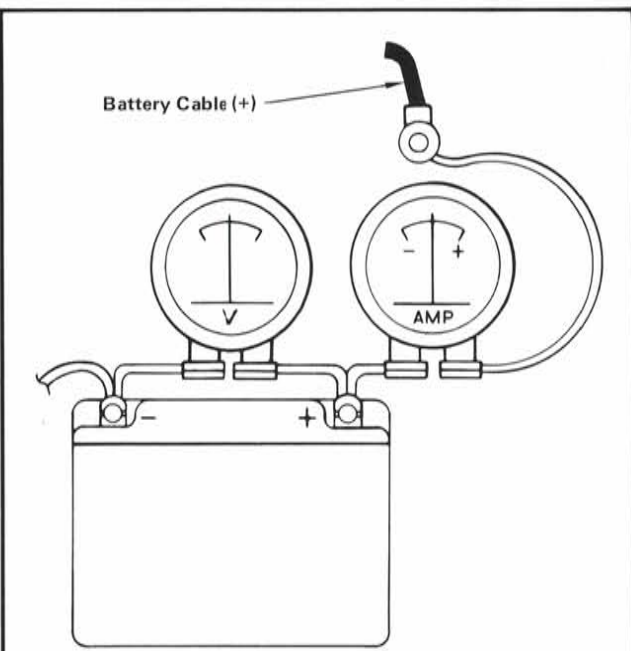
**STEP 92**—Raise front wheel off ground using a support block under engine. Spin front wheel by hand and measure free play of front brake hand lever before brake starts to engage. Free play, measured at tip of brake hand lever, should be between 15 and 20 mm (5/8–3/4 in.) Use lower adjuster to make large adjustments. Small adjustments are made at brake hand lever by sliding back dust cover, loosening knurled nut, and turning upper adjuster. After adjustment, tighten knurled nut and reinstall dust cover. Remove support block.



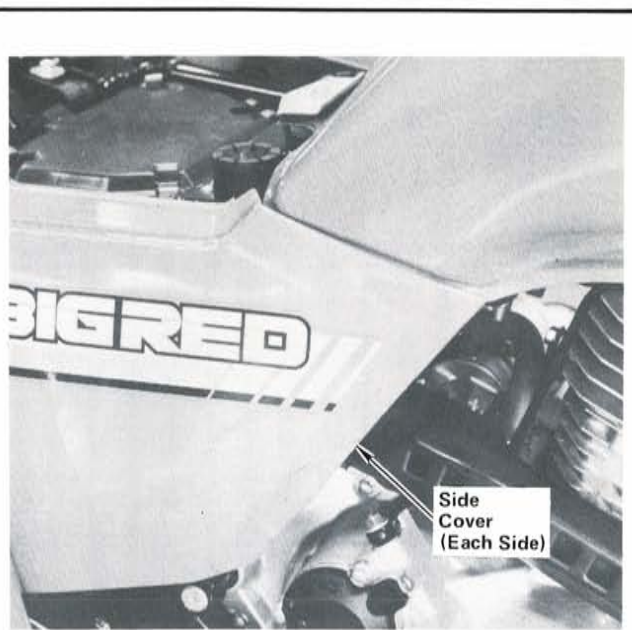
**STEP 93**—Raise rear wheels off ground using a support block under vehicle. Remove cardboard stop in front of rear brake arm. Rotate rear wheels by hand and measure free play before brake starts to engage. Free play, measured at tip of brake pedal, should be between 15 and 20 mm (5/8–3/4 in.). To adjust free play, turn adjusting nut. Turning adjusting nut clockwise will decrease free play.



**STEP 94**—Spin rear wheels by hand and measure free play of rear brake hand lever before brake starts to engage. Free play, measured at tip of brake hand lever, should be between 15 and 20 mm (5/8–3/4 in.). Use lower adjuster to make large adjustments. Small adjustments are made at rear brake hand lever by sliding back dust cover, loosening knurled nut, and turning upper adjuster. After adjustment, tighten knurled nut and reinstall dust cover. Remove block under vehicle. Check parking brake operation.

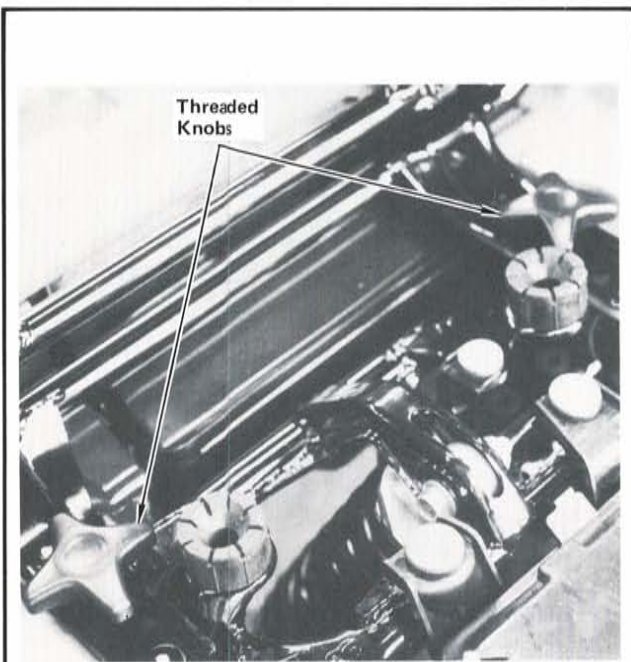


**STEP 95**—Check battery charging system (volts and amperes) at battery, as described on shop manual.

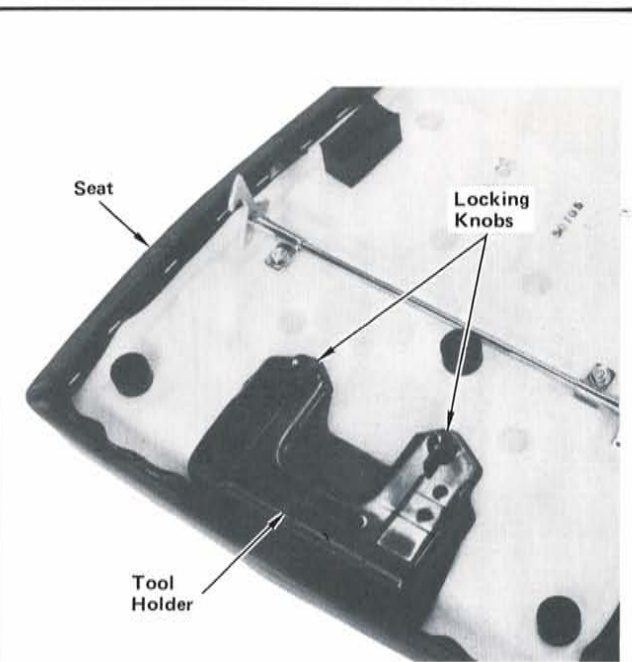


**STEP 96**—Install right and left side covers by inserting prongs on side covers into rubber grommets on frame.

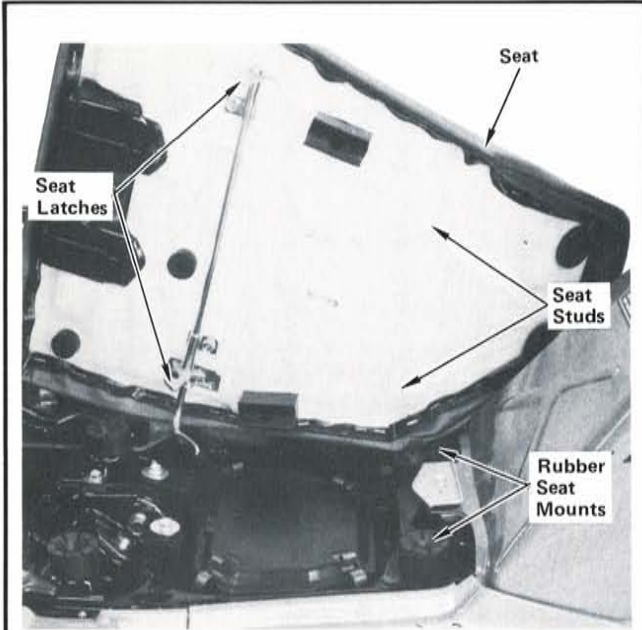
*NOTE: Be sure kick starter pedal is folded before installing right side cover.*



**STEP 97**—Lower rear fender and secure with two threaded knobs as shown.

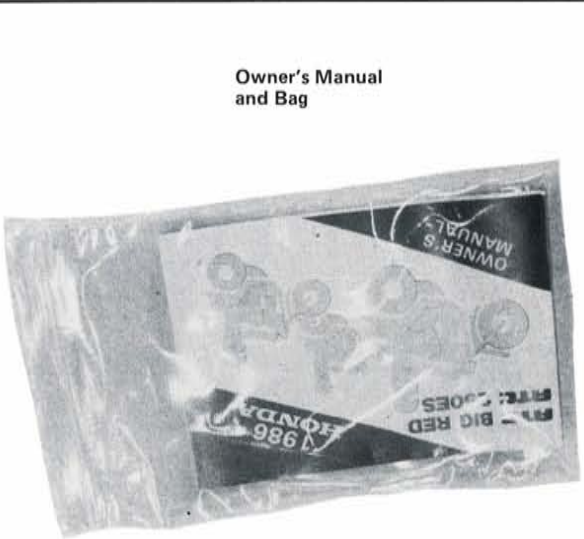


**STEP 98**—Place tool kit in tool holder. Install and lock tool holder under seat and lock in place with locking knobs.



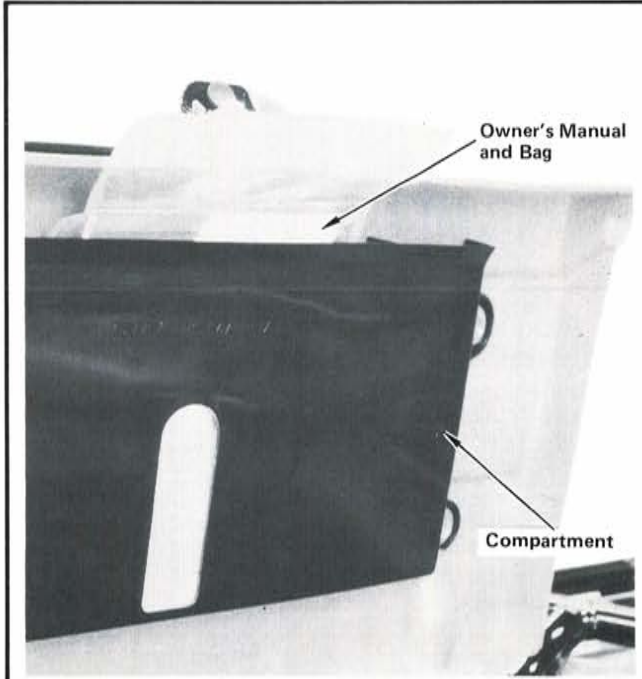
**STEP 99**—Install seat by inserting seat studs into holes in rubber seat mounts and engage seat latches.

*NOTE: Check that seat latches are fully engaged.*



Owner's Manual and Bag

**STEP 100**—Place owner's manual in vinyl bag and close end.



**STEP 101**—Insert owner's manual into owner's manual compartment under luggage box lid. Close and secure lid.

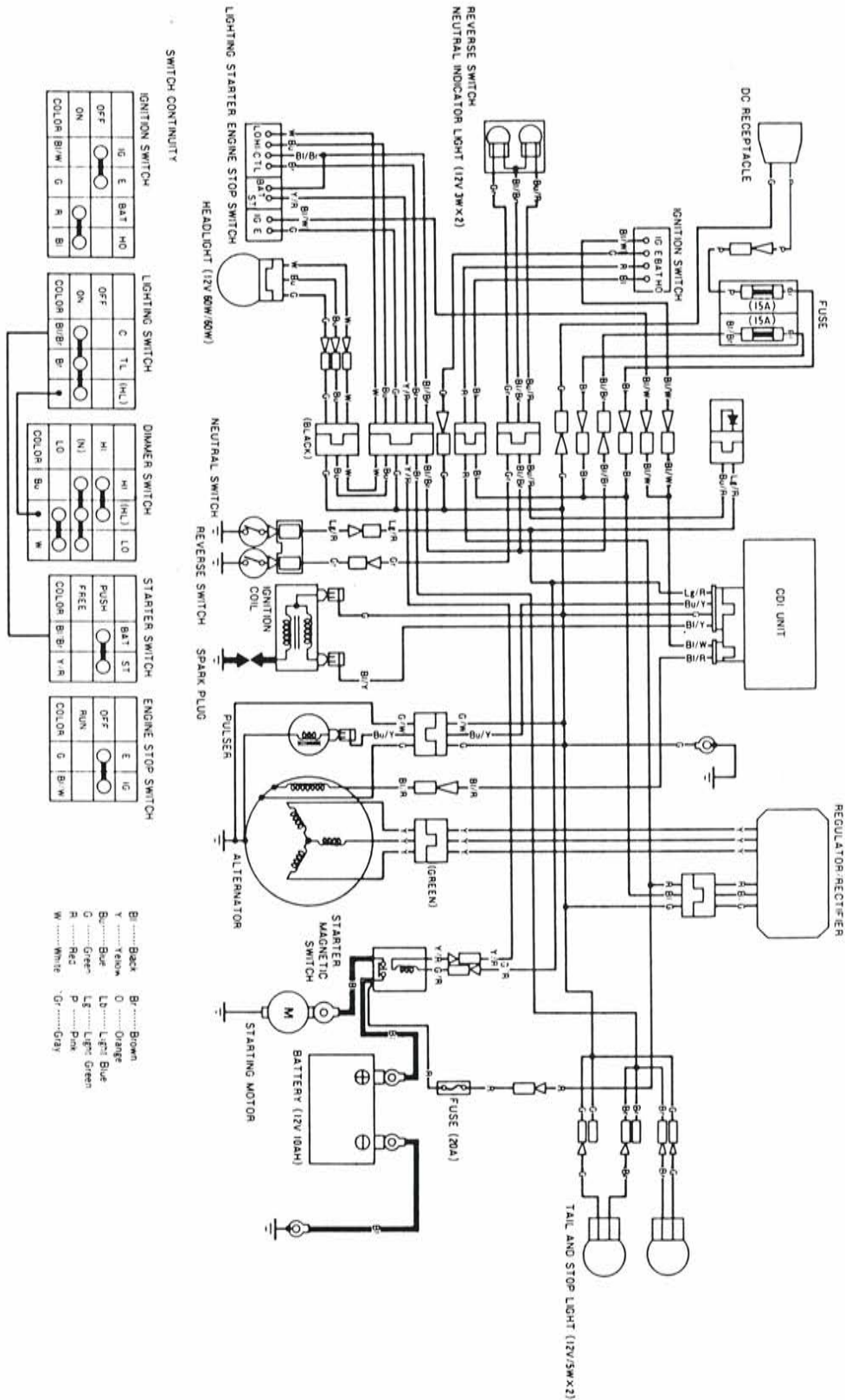
## CAUTION

REMOVE BATTERY AND MAINTAIN IN FULLY CHARGED CONDITION UNLESS ATC IS TO BE DELIVERED IMMEDIATELY. REFER TO SERVICE BULLETIN SL #48. DO NOT USE ELECTRIC STARTER IMMEDIATELY AFTER INSTALLATION OF A FRESHLY CHARGED BATTERY, SOME TIME IS REQUIRED FOR BATTERY TO ATTAIN FULL CAPACITY.



## TORQUE TABLE

ITEM	SIZE	TORQUE
Handlebar upper holder bolts	8 mm	2.4 kg-m (18 lb-ft)
Front fork leg bolts	-----	5.5 kg-m (40 lb-ft)
Front fender bolts	6 mm	1.0 kg-m ( 8 lb-ft)
Front axle	-----	9.0 kg-m (68 lb-ft)
Axle holder nuts	6 mm	1.2 kg-m ( 9 lb-ft)
Rear wheel nuts	10 mm	5.5 kg-m (40 lb-ft)
Skid plate bolts	8 mm	2.7 kg-m (19 lb-ft)
Gear case protector	8 mm	2.7 kg-m (19 lb-ft)
Trailer hitch	10 mm	4.0 kg-m (30 lb-ft)
Front luggage carrier bolts	8 mm	2.7 kg-m (19 lb-ft)
Headlight rubber mount bolts	6 mm	1.2 kg-m ( 9 lb-ft)
Connector box bolts	6 mm	1.2 kg-m ( 9 lb-ft)
Sub carrier clamp bolts	6 mm	1.2 kg-m ( 9 lb-ft)
Luggage box bolts	6 mm	1.2 kg-m ( 9 lb-ft)
Luggage box cover bolts	6 mm	1.2 kg-m ( 9 lb-ft)
Mud guard screws	-----	0.35 kg-m ( 3 lb-ft)
Rear fender bolts	6 mm	1.2 kg-m ( 9 lb-ft)
Rear fender/carrier pivot bolts	-----	2.7 kg-m (20 lb-ft)
Fuel filter cup	-----	0.4 kg-m ( 3 lb-ft)



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

### PRE-DELIVERY SERVICE CHECK LIST

- |  |   |
|--|---|
| <input type="checkbox"/> Adjust front and rear brakes, check cable routing and check operation.                  | <input type="checkbox"/> Check security of all nuts, bolts, and other fasteners.  |
| <input type="checkbox"/> Fill crankcase with recommended oil.  | <input type="checkbox"/> Check to ensure that all applicable recall and product update campaigns are complied with.   |
| <input type="checkbox"/> Drain, flush, and inspect fuel tank. Clean fuel filter.                                 | <input type="checkbox"/> <b>TEST RIDE:</b> Check performance, handling, and operation.  |
| <input type="checkbox"/> Drain residual fuel from carburetor.  | <ul style="list-style-type: none"><li>• Transmission, high-low-reverse gear range selector, and clutch: Ease of shifting, clutch operations, etc.</li></ul> |
| <input type="checkbox"/> Check air filter element. Clean and oil if necessary.                                   | <ul style="list-style-type: none"><li>• Acceleration: Smoothness, etc.</li></ul>  |
| <input type="checkbox"/> Fill fuel tank, turn on petcock and check for leaks.                                    | <ul style="list-style-type: none"><li>• Cruising: Smoothness, etc.</li></ul>  |
| <input type="checkbox"/> Adjust idle speed.  | <ul style="list-style-type: none"><li>• Handling: Stability and cornering.</li></ul>  |
| <input type="checkbox"/> Check throttle lever free play, cable routing, and operation in all steering positions. | <ul style="list-style-type: none"><li>• Brakes: Smoothness and stopping power.</li></ul>  |
| <input type="checkbox"/> Fill final drive case with recommended oil.   | <ul style="list-style-type: none"><li>• Idling: Smoothness, throttle response, and return to idle.</li></ul>  |
| <input type="checkbox"/> Check tire pressure.  | <ul style="list-style-type: none"><li>• Recheck idle speed after 10 minutes of stop and go operation.</li></ul>   |
| <input type="checkbox"/> Inspect electrical components for proper operation and adjustment.                      | <ul style="list-style-type: none"><li>• Parking brake operation.</li></ul>  |
| <ul style="list-style-type: none"><li>• Headlight switch.</li></ul>  | <ul style="list-style-type: none"><li>• Upon completion of test ride, check for fuel and oil leaks.</li></ul>   |
| <ul style="list-style-type: none"><li>• Headlight: Adjust high beam aim.</li></ul>                               |   |
| <ul style="list-style-type: none"><li>• Neutral and reverse indicator lights.</li></ul>                          |   |
| <ul style="list-style-type: none"><li>• Taillights.</li></ul>  |   |
| <ul style="list-style-type: none"><li>• Starter.</li></ul>   |   |
| <ul style="list-style-type: none"><li>• Engine stop switch.</li></ul>  |   |
| <ul style="list-style-type: none"><li>• Battery charging system.</li></ul>                                       |   |

## LOOSE PARTS

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

PART NAME	QTY	H/C	PART NUMBER
Battery	1	2095859	31500-HA0-681
Battery electrolyte container	1	-----	-----
DC outlet	1	2087617	31650-HA0-680
Wire band (B)	2	0468819	32161-404-000
Headlight assy.	1	1821842	33100-HA0-003
Taillight	2	1821859	33700-HA0-003
Right wires cable guide	1	1821875	33717-HA0-000
Left wires cable guide	1	1821883	33718-HA0-000
Taillight bracket	2	1832260	33705-HA0-003
Front reflector	2	0494807	33741-413-003
Rear reflector	4	0799999	33741-148-871
Front brake spring	1	1934116	45455-HA6-000
Inner cable guard	2	0293324	45466-329-000
Brake cable upper clamp	1	1822766	45467-HA0-000
Brake cable lower clamp	1	1822774	45468-HA0-000
Skid plate	1	1822956	50355-HA0-000
Engine guard	1	1822964	50360-HA0-000
Drain strap rubber	1	1822980	50362-HA0-000
Trailer hitch	1	1823087	50810-HA0-000
Handlebar cover cap	1	2088243	53206-HA0-680
Handlebar cover mount collar	2	1823426	53209-HA0-000
Handlebar cover upper rubber	2	1823434	53210-HA0-000
Front fender	1	2067155	61000-HA0-010
Fender mount collar	8	0763946	61104-444-000
Nut, special, 6 x 7 mm	6	0955575	61304-958-003
Bracket connector box	1	2088292	61305-HA0-680
Case connector	1	1823517	61306-HA0-000
Rear fender mount protector	1	2078640	80105-HA0-000
Right rear mud guard	1	1823707	80111-HA0-003
Left rear mud guard	1	1823715	80112-HA0-003
Right rear fender side protector	1	1823723	80113-HA0-003
Left rear fender side protector	1	1823731	80114-HA0-003
Clip, side protector A	6	1837676	80115-HA0-003
Clip, side protector B	2	1837624	80116-HA0-003
Right rear fender	1	1823673	80100-HA0-003
Left rear fender	1	2088342	80150-HA0-680
Luggage box	1	2045334	80210-HA0-023
Luggage box lid	1	2088359	80211-HA0-681
Headlight guard stopper	1	2088375	81101-HA0-000
Front luggage carrier	1	2053304	81100-HA0-010
Rear luggage carrier	1	2015303	81300-HA0-010
Box, owner's manual	1	2088367	80212-HA0-681

LOOSE PARTS (Continued)

PART NAME	QTY	H/C	PART NUMBER
Sub carrier	1	1823814	81306-HA0-000
Stopper lever pin	1	1834407	81307-HA0-000
Sub carrier spacer	2	1823822	81308-HA0-000
Sub carrier, rear bracket	2	1823830	81309-HA0-000
Rubber sub carrier	1	1223122	81310-958-680
Rear carrier grip	2	1823848	81311-HA0-000
Lever, stopper	1	1823855	81312-HA0-000
Spring, sub carrier	1	1823863	81313-HA0-000
Holder, tool	1	1823871	83500-HA0-000
Tool set	1	2088466	89010-HA0-681
Bag, owner's manual	1	2088383	83642-HA0-680
Bolt, carrier hinge	2	1824309	90102-HA0-000
Screw, mudguard	8	1647874	90103-UM4-000
Bolt, Flange, 8 x 10 mm, skid plate	3	1741081	90116-965-000
Bolt, Flange, 10 x 35 mm, front fork	4	1299189	90118-958-000
Nut, side protector	2	1834720	90302-HA0-000
Nut, rear wheel	8	2009397	90314-VM0-771
Washer, plain, 6 mm, handlebar cover	2	1824523	90434-SA0-000
Washer, plain, 6 x 20 mm, rear fender	4	1892223	90505-HA0-000
Washer, plain, 6 x 20 mm, luggage box	4	1892223	90505-HA0-000
Washer, plain, 6 x 20 mm, luggage box lid	4	2088573	90505-HA0-680
Washer, plain, 6 x 20 mm, front fender	4	0191494	90512-300-000
Pan screw, 5 x 12 mm, coupler case	2	0173567	93500-05012-0A
Pan screw, 6 x 40 mm, handlebar cover	2	0057612	93500-06040
Screw washer, 5 x 22 mm, D.C. outlet	2	1301126	93894-05022-00
Flange nut, 5 mm, taillight	4	0612671	94050-05080
Washer, plain, 6 mm, rear fender	4	0629824	94103-06800
"E" ring, 4 mm, sub carrier	2	1834878	94540-04010
Bolt, flange, 6 x 10 mm, coupler box	2	0350488	95700-06010-00
Bolt, flange, 6 x 12 mm, luggage box	4	0252254	95700-06012-08
Bolt, flange, 6 x 12 mm, rear fender	8	0252254	95700-06012-08
Bolt, flange, 6 x 14 mm, front fender	4	0671198	95700-06014-00
Bolt, flange, 6 x 16 mm, sub carrier	2	0252262	95700-06016-08
Bolt, flange, 6 x 20 mm, rear fender	4	0340331	95700-06020-08
Bolt, flange, 6 x 22 mm, taillight bracket	4	0483925	95700-06022-00
Bolt, flange, 6 x 28 mm, headlight mount bracket	6	0483933	95700-06028-00
Bolt, flange, 8 x 14 mm, engine guard	3	0687863	95700-08014-00
Bolt, flange, 8 x 14 mm, front carrier	2	0687863	95700-08014-00
Bolt, flange, 8 x 18 mm, front carrier	2	1096791	95700-08018-00
Bolt, flange, 10 x 16 mm, hitch trailer	4	0562694	95700-10016-08
Bolt, flange, 6 x 16 mm luggage box lid	4	1484690	95900-06016-08

## LOOSE PARTS (Continued)

PART NAME	QTY	H/C	PART NUMBER
Right rear wheel assy.	1	-----	42700-HA0-6800
Left rear wheel assy.	1	-----	42800-HA0-6800
Adjust nut, front brake	1	0710921	43459-434-000
Axle, front wheel	1	2087948	44301-HA0-680
Side collar, front axle	1	1822659	44312-HA0-000
Front wheel assy.	1	-----	44600-HA0-6800
Front brake panel	1	-----	45000-HA0-6800
Front wheel assembly	1	-----	-----
Joint brake arm (B)	1	0400945	95015-32001
Bolt flange, 8 x 35 mm, handlebar upper holder	2	0496489	95700-08035-00



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