

Set-up Instructions

SEP 14 1985
COPY

1986 Model ATC 200S



MPD 9083 8508
AMERICAN HONDA MOTOR CO., INC.
100 WEST ALONDRA BOULEVARD, GARDENA, CALIFORNIA 90247

WARNING

WARNING

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.

SET-UP INSTRUCTION REVISED PAGES

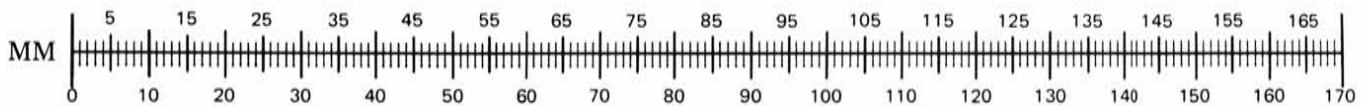
Pages Affected

Rev. Date

1 through 22

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Remove and destroy superseded pages.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.

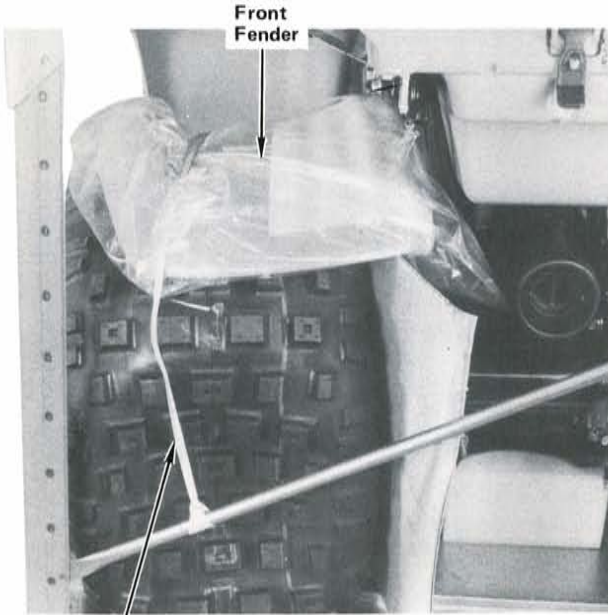
NOTE: gives helpful information.

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

STEP 2—Remove and discard two bolts attaching crate front end frame.

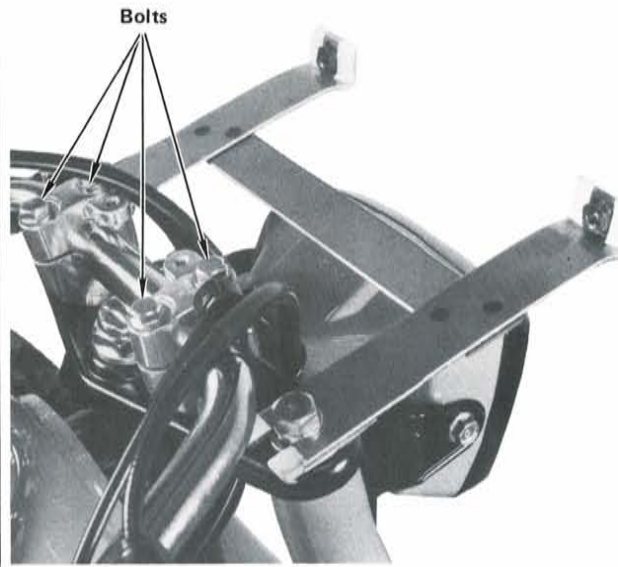
STEP 3—Remove and discard two bolts attaching frame to top of crate rear end frame.

STEP 4—Remove and discard bolts attaching crate frame ends and side braces to crate base. Carefully lift off crate frame using two people.
CAUTION: Use extreme care not to damage vehicle with crate frame.

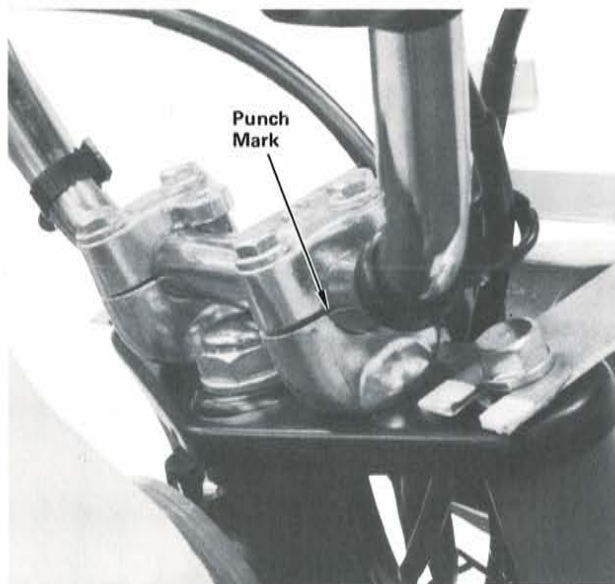


Rubber Band

STEP 5—Remove front fender by removing rubber band.

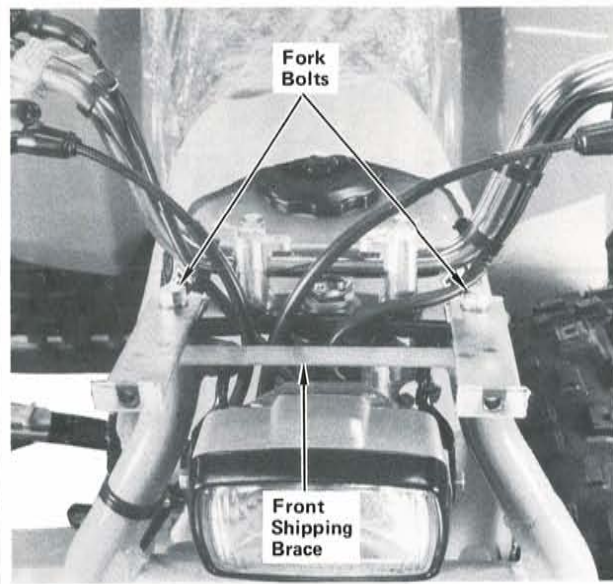


STEP 6—Loosen four bolts attaching upper handlebar holder.



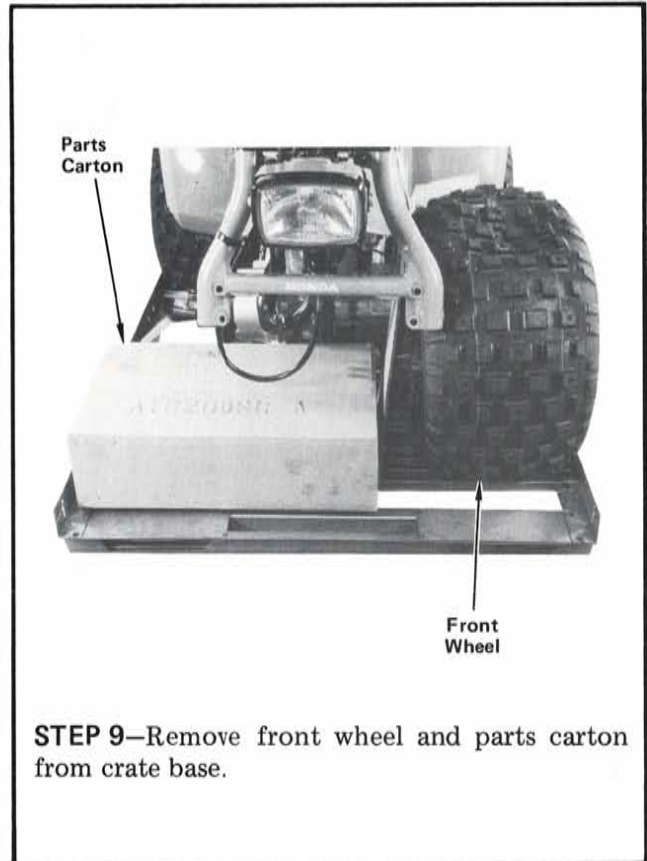
STEP 7—Raise handlebar grips until punch mark on handlebar is aligned with top of lower holder and serrations are aligned with lower holders. Tighten forward bolts to specified torque first, then tighten rear bolts to same torque.

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

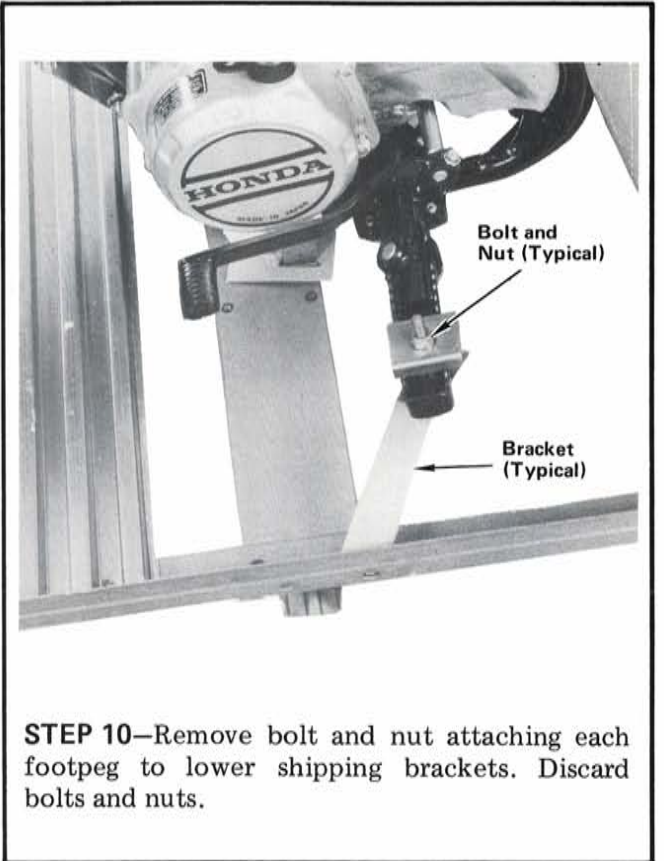


STEP 8—Loosen fork bolts and remove front shipping brace. Retighten fork bolts to specified torque.

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



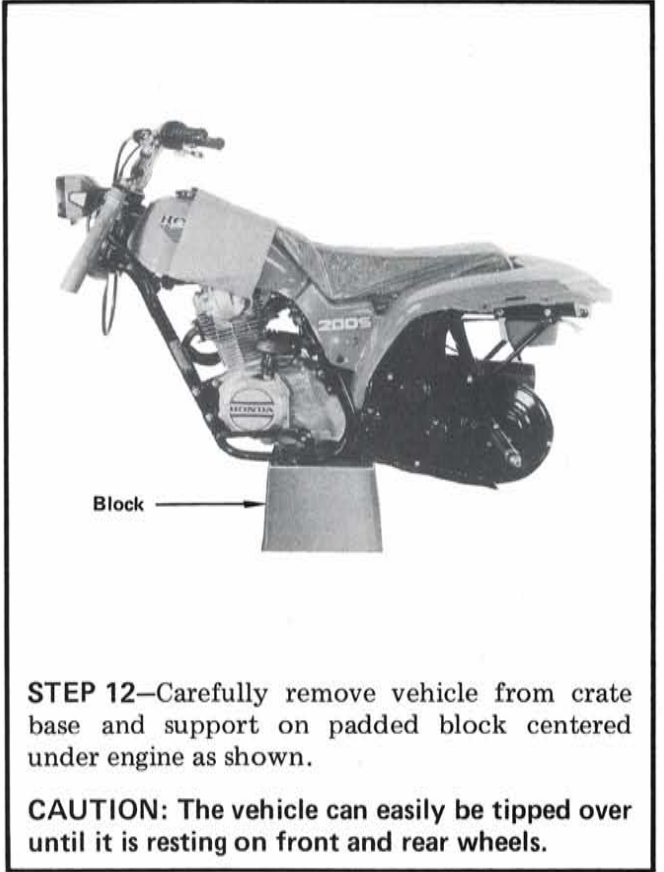
STEP 9—Remove front wheel and parts carton from crate base.



STEP 10—Remove bolt and nut attaching each footpeg to lower shipping brackets. Discard bolts and nuts.

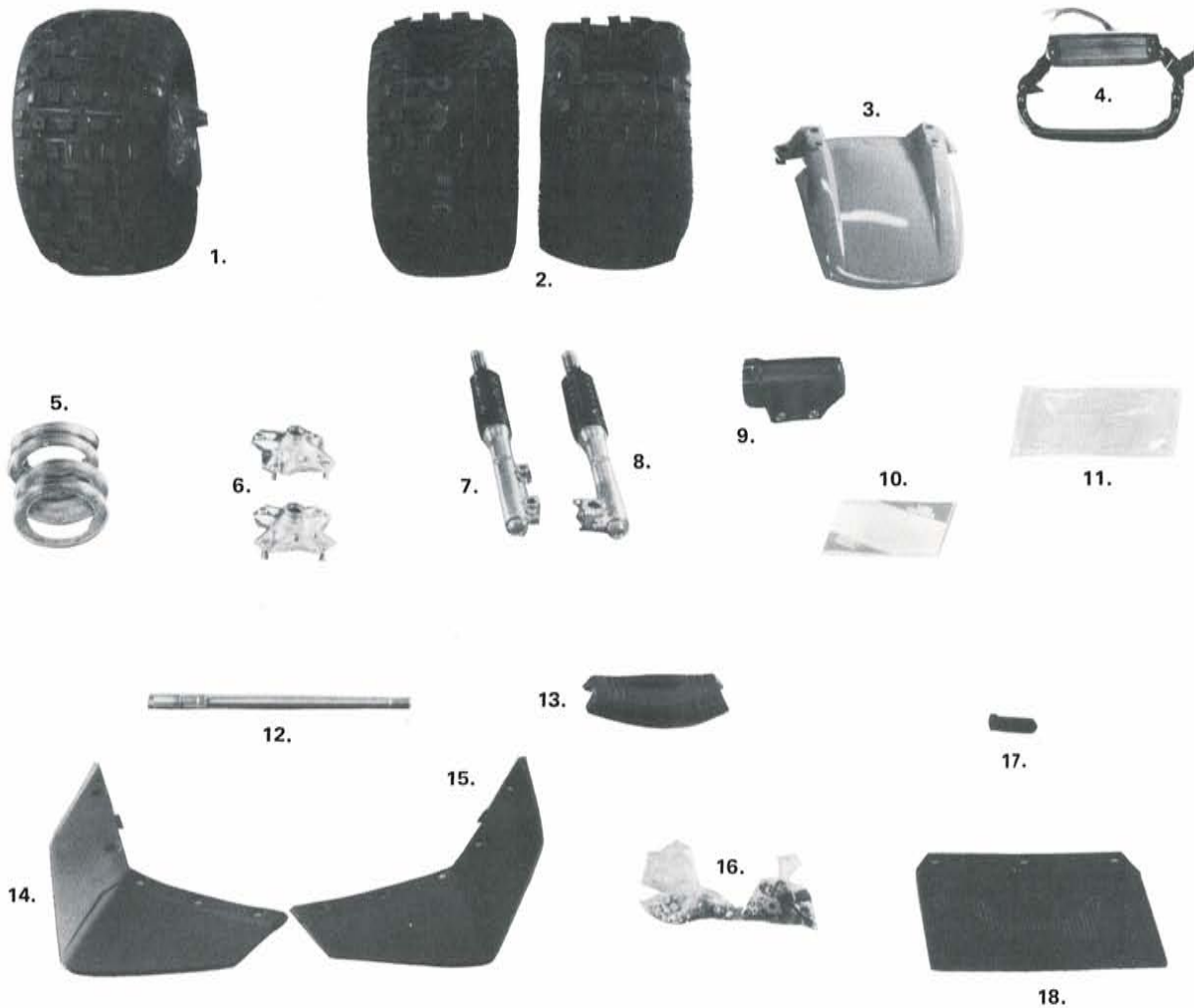


STEP 11—Remove rear wheels from crate base.



STEP 12—Carefully remove vehicle from crate base and support on padded block centered under engine as shown.

CAUTION: The vehicle can easily be tipped over until it is resting on front and rear wheels.



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” 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 SO908.

LOOSE PARTS LIST

PART NAME	QTY	H/C	PART NUMBER
1. Front wheel	1	-----	-----
2. Rear wheel	2	-----	-----
3. Front fender	1	-----	61100-958-670
4. Carrying handle	1	-----	-----
5. Reinforcement plate	4	1647478	44714-958-670
6. Rear wheel hub	2	-----	42410-VM4-680
7. Right front fork	1	1671445	51400-VM4-003
8. Left front fork	1	1671452	51500-VM4-003
9. Tool box	1	-----	83500-VM4-770
10. Owner's manual	1	-----	31VM4620
11. Owner's manual bag	1	-----	83642-HA0-680
12. Front axle	1	1813450	44301-VM4-680
13. Handlebar cover	1	1274745	53205-958-003
Handlebar cover panel	1	1274760	53206-958-003
14. Left rear mud flap	1	1647692	80112-VM4-003
15. Right rear mud flap	1	1647676	80111-VM4-003
16. Attaching hardware (2 bags)			
Front fender mounting rubber	4	0680678	61103-430-000
Front fender mounting collar	4	0763946	61104-444-000
Bolt, flange, 6 x 25 mm	4	0484485	95700-06025-00
Special nut, 6 x 7 mm	13	0955575	61304-958-003
Screw, 6 x 7 mm	3	0810655	90102-673-003
Screw/washer, 6 x 20 mm	2	0878538	93891-06020-08
Screw, mud guard	10	1798339	90103-VM4-003
Brake return spring	1	0271056	43467-HA0-000
Bolt, flange, 10 x 35 mm	4	1299189	90118-958-000
Bolt, flange, 8 x 16 mm	4	0631242	95700-08016-00
Washer, plain, 6 mm	4	0059071	94101-06000
Bolt, flange, 8 x 14 mm	1	-----	95700-08014-00
Brake arm joint	1	0257758	95015-32001
Brake rod adjusting nut	1	0710921	43459-434-000
Washer, 14 mm	2	1074327	42322-950-000
Nut, flange, 8 mm	8	1420231	90309-KF0-003
Castle nut, 14 mm	2	0109454	94011-14000-0S
Front brake panel	1	-----	45000-VM4-770
Skid plate	1	-----	50355VM4-000
Bolt, skid plate	4	1647882	90118-VM4-000
Axle collar	1	1813468	44312-VM4-680
Cotter pin	2	0058420	94201-30250
17. Tire gauge	1	-----	89301-VM6-680
18. Front mud guard	1	1647627	61111-VM4-000

STEP 13--(Continued)

STEP 14—Check front fender mud flap and attaching hardware.

STEP 15—Position mud flap under front fender as shown and install using three 6 x 7 mm special screws inserted down through fender, and special nuts under fender as shown. Tighten screws securely.

NOTE: Note position of special nuts.

Install rubber grommets into four holes in fender and insert flanged collars into holes in grommets from under fender.

STEP 16—Insert left and right fork legs up into lower fork bridge. (Fork leg with axle holder goes on left side.) Push fork legs up tight against stop in lower fork bridge and install using four 10 x 35 mm flange bolts as shown. Tighten bolts to specified torque.

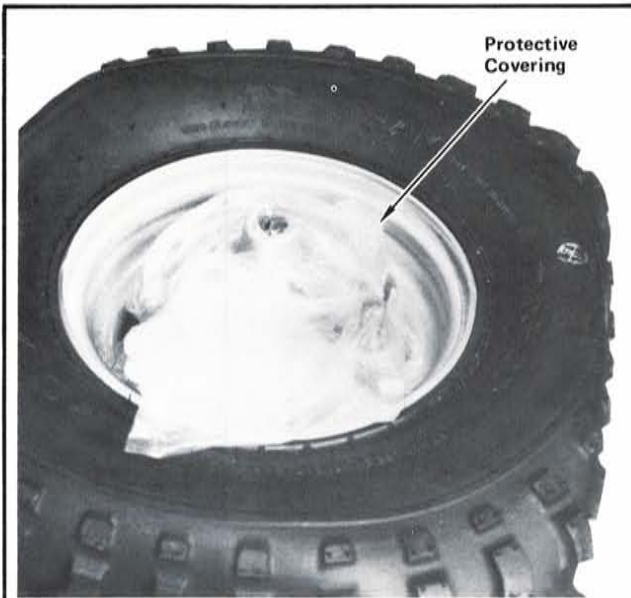
Torque specification:
4.5 kg-m (32 lb-ft)

Install upper ends of fork boots as shown and tighten clamp screws.

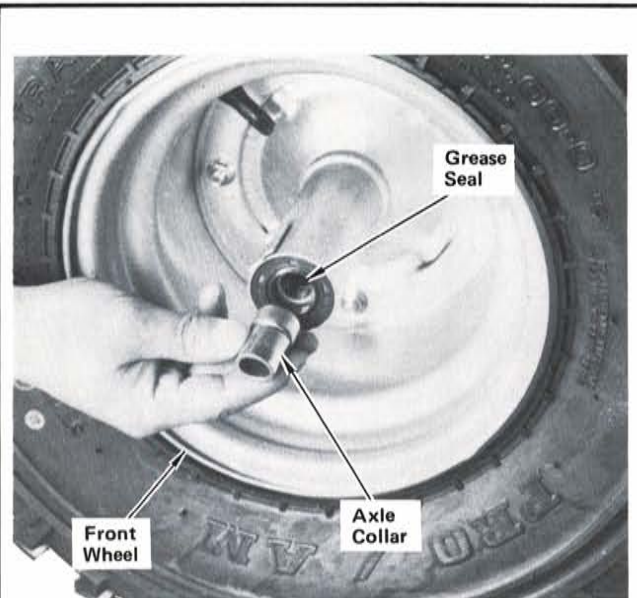
CAUTION: Do not twist fork boots while tightening clamp screws.

STEP 17—Position front fender between fork legs with mud flap towards rear and install using four 6 x 25 mm flange bolts. Be sure flanged collars are in place. Tighten bolts to specified torque.

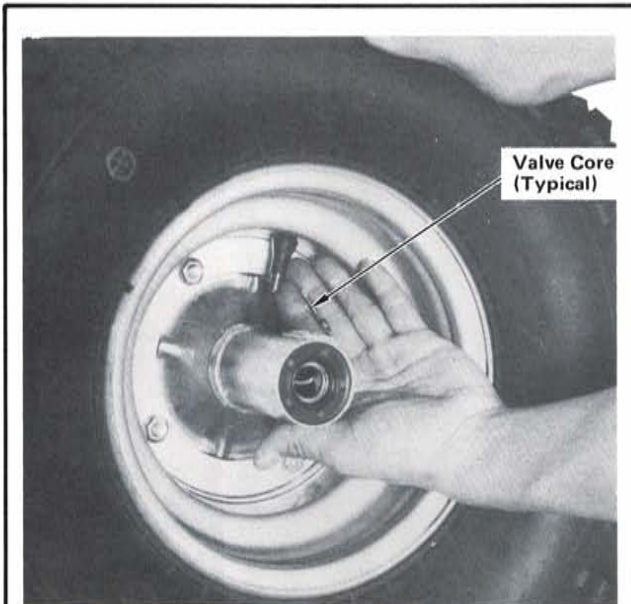
Torque specification:
1.0 kg-m (8 lb-ft)



STEP 18—Remove rubber band and protective covering from front brake. Remove front brake and check that brake linings and brake drum are clean. Check that grease seal is full of grease. If necessary, wipe brake drum with a clean cloth. Reinstall brake panel.

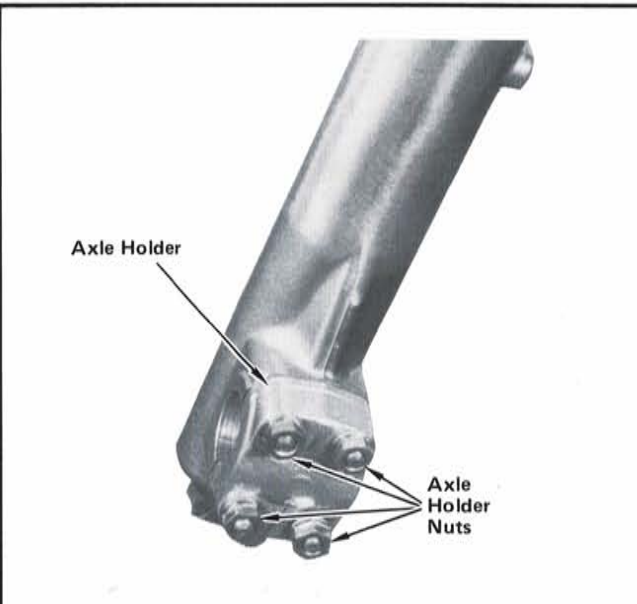


STEP 19—Insert large end of axle collar into grease seal on valve stem side of front wheel as shown.

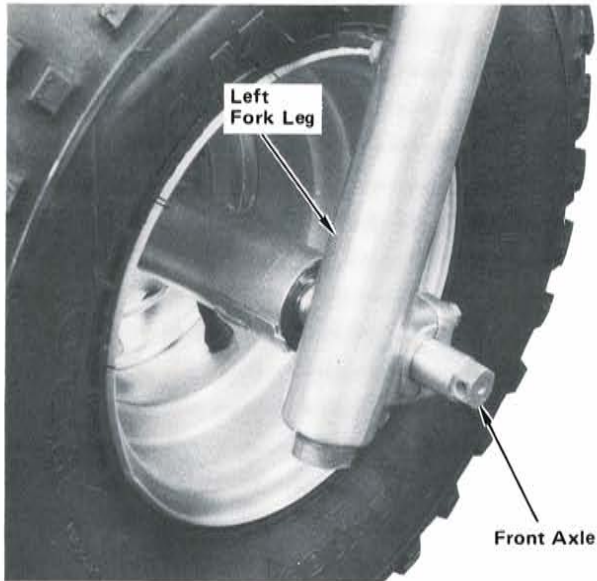


STEP 20—Remove valve caps from all three tires and tighten valve cores. Inflate and check tire pressure of all three tires. Reinstall valve caps.

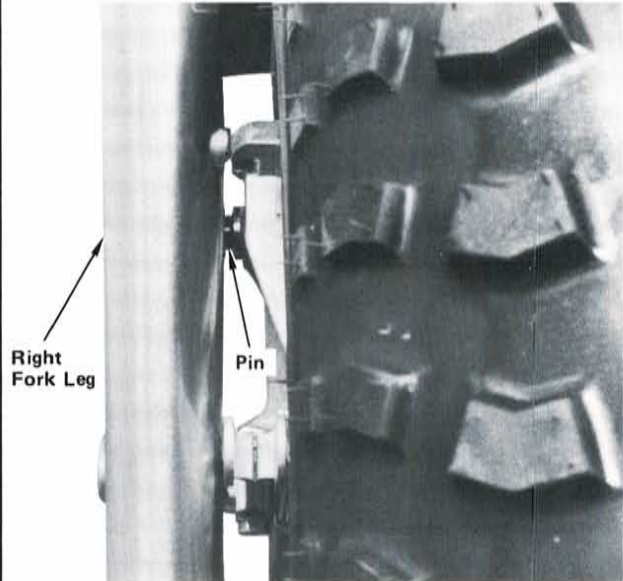
Tire pressure: 2.2 psi.



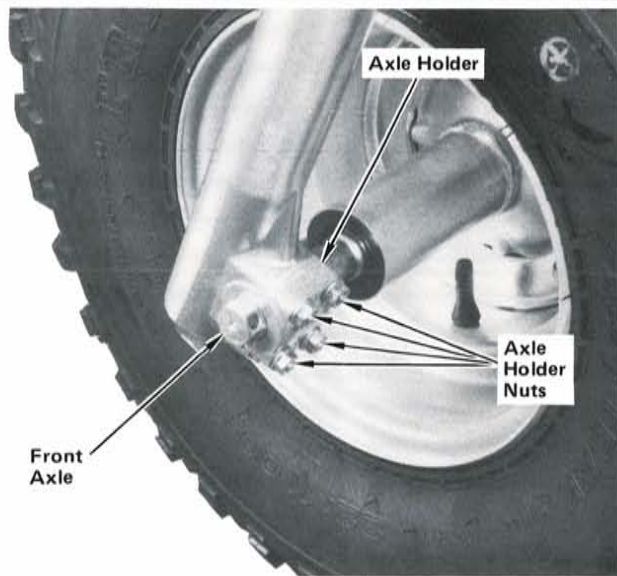
STEP 21—Loosen four axle holder nuts.



STEP 22—Rotate sliders of fork legs so axle holder and brake mounting bosses are towards the rear. Insert front axle through axle holder, collar, wheel hub, brake panel, and screw into right fork leg.



STEP 23—Check that pin on brake panel is inserted into hole in right fork leg.

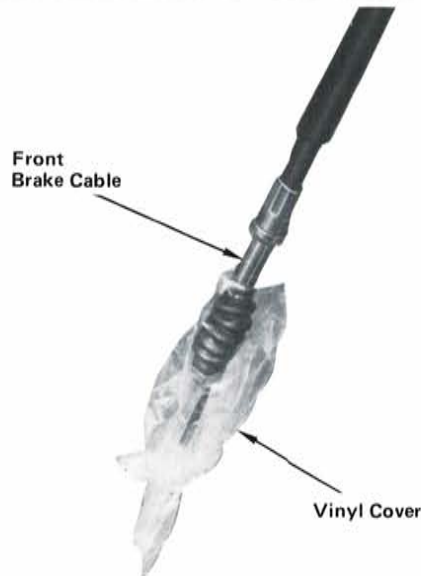


STEP 24—Tighten front axle to specified torque. Tighten upper axle holder nuts to specified torque first, then tighten lower nuts to same torque.

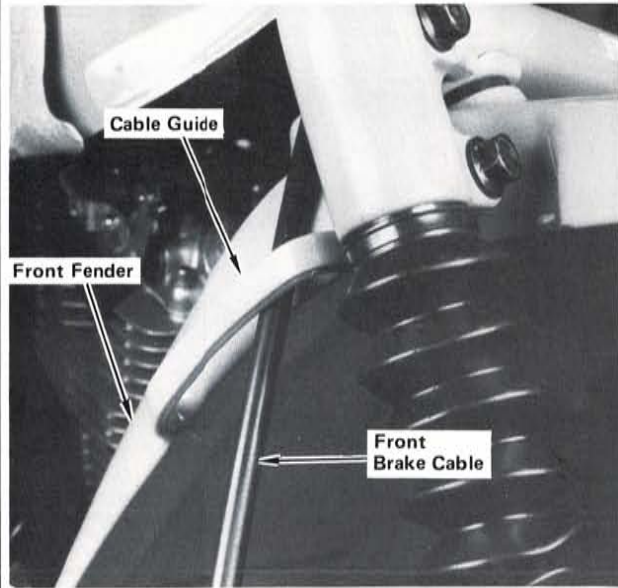
Torque specifications:

Front axle: 9.0 kg-m (70 lb-ft)

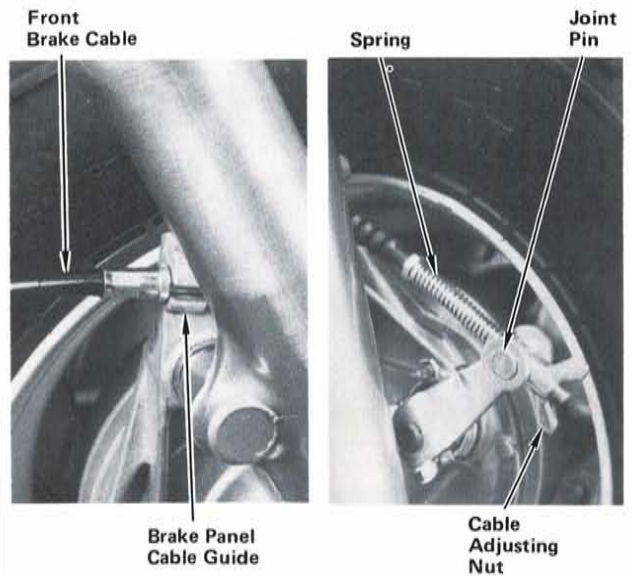
Axle holder nuts: 1.2 kg-m (9 lb-ft)



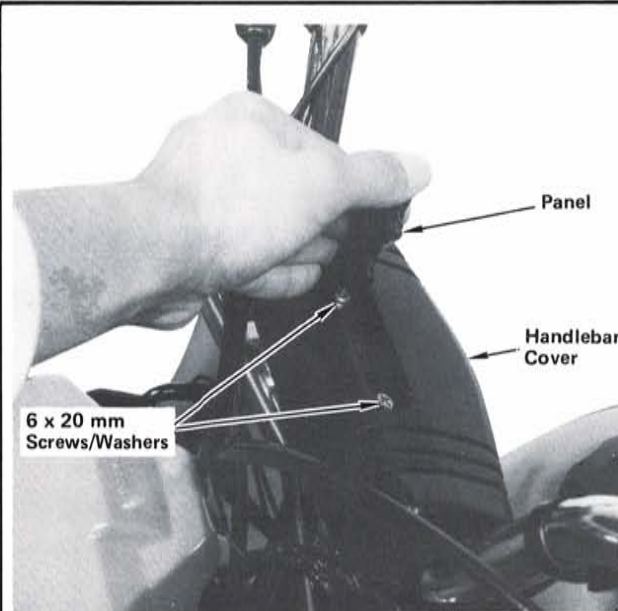
STEP 25—Remove vinyl cover from end of front brake cable.



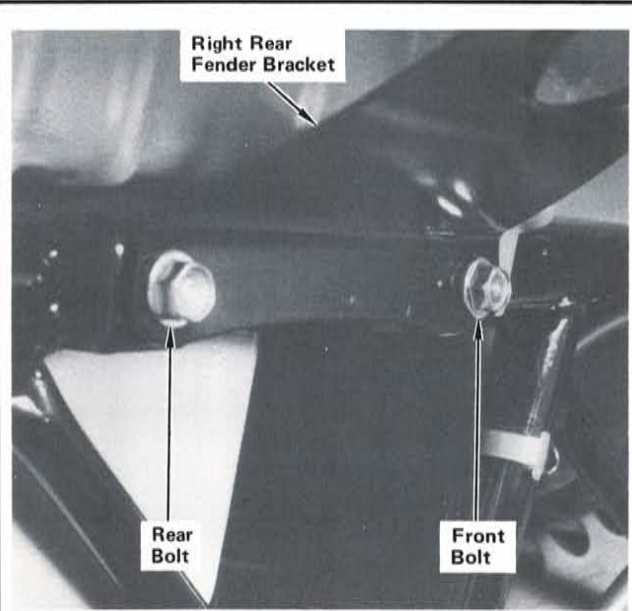
STEP 26—Route front brake cable down through cable guide on front fender.



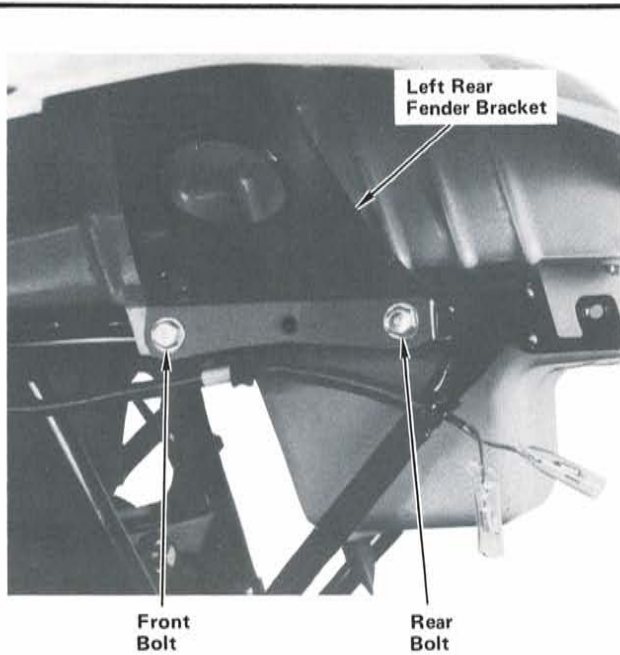
STEP 27—Route front brake cable through cable guide on front brake panel. Slip brake return spring over end of front brake cable. Connect brake cable to brake arm using a joint pin and cable adjusting nut. Adjust front and rear brakes as described in Steps 49 through 51.



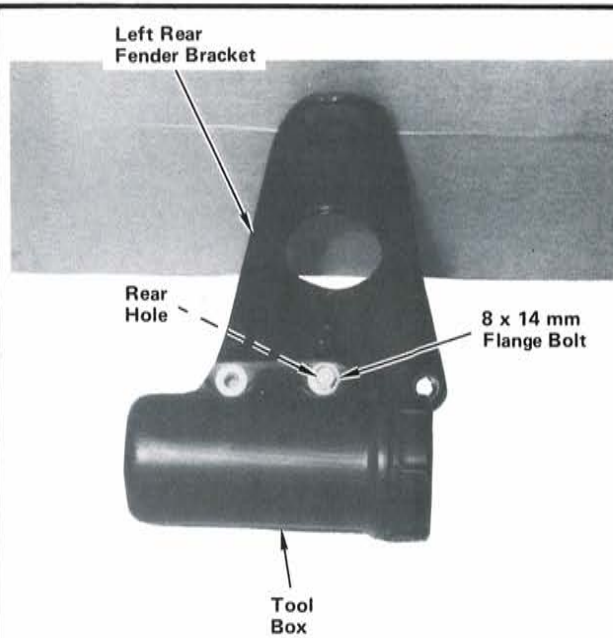
STEP 28—Remove panel from handlebar cover and install cover as shown using two 6 x 20 mm screws/washers. Tighten screws securely and re-install panel as shown.



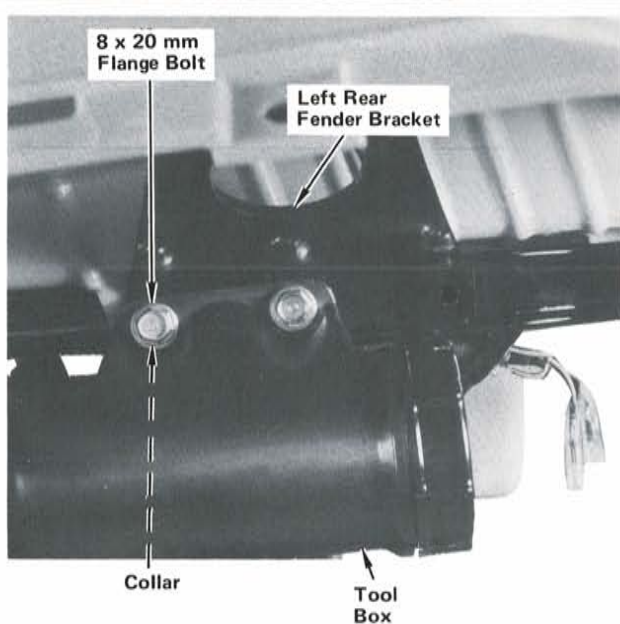
STEP 29—Loosen front bolt of right rear fender bracket. Remove and retain rear bolt.



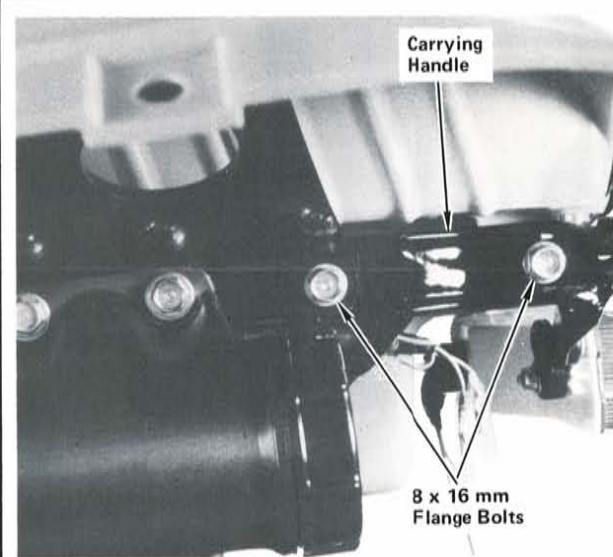
STEP 30—Remove two bolts from left rear fender bracket. Remove left rear fender bracket. Remove and retain collar from bracket.



STEP 31—Align rear hole of tool box with center hole of left rear fender bracket as shown and insert an 8 x 14 mm flange bolt through these holes. Do not tighten at this time.



STEP 32—Insert collar removed in Step 30 into front hole of left rear fender bracket, and install tool box using an 8 x 20 mm flange bolt. Do not tighten at this time.



STEP 33—Position ends of carrying handle between rear fender and frame and align holes of frame and handle. Install handle using two 8 x 16 mm flange bolts on each side. (Two removed in previous step and two additional bolts.) Tighten all seven bolts to specified torque.

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

The first photograph shows the tool box cover being turned counterclockwise. The second photograph shows the owner's manual, tire gauge, and tool box cover being placed inside the tool box.

Tool Box
Tool Box Cover
Owner's Manual
Tire Gauge

STEP 34—Remove tool box cover by turning it counterclockwise. Insert owner's manual in owner's manual bag and place bag and tire gauge in tool box. Close tool box cover.

The photograph shows the taillight wires being connected to the corresponding wires in the wire harness.

Taillight Wires

STEP 35—Connect taillight wires to wire harness color-to-color.

The photograph shows a close-up of a tab on the mud flap being inserted into a slot on the rear fender.

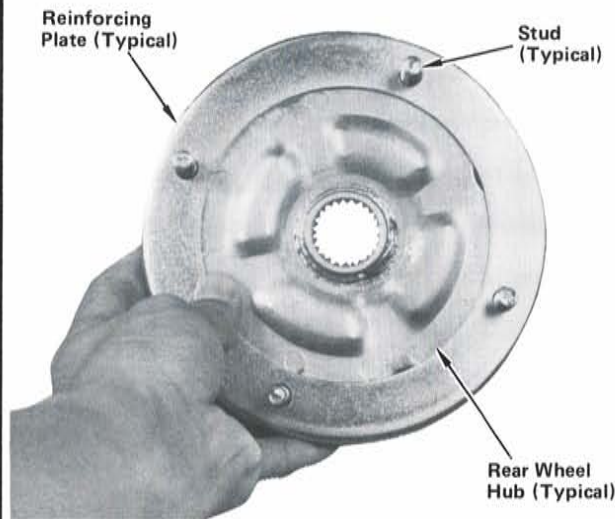
Slot (Typical)
Tab (Typical)

STEP 36—Insert tabs of rear mud flaps into slots of rear fenders as shown.

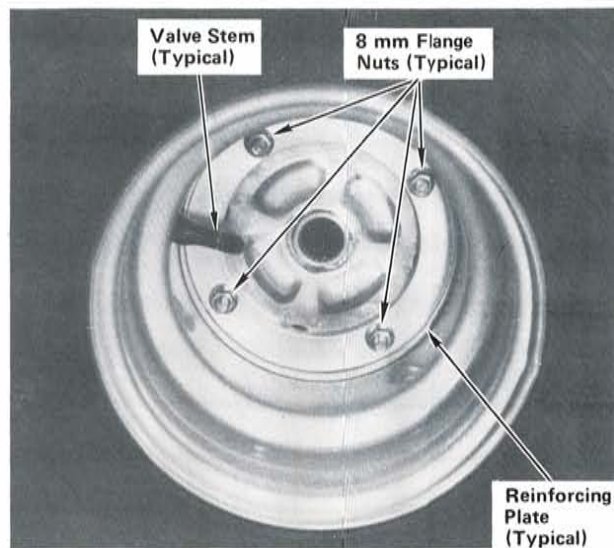
The top photograph shows the mud flap being positioned on the rear fender. The bottom photograph shows the mud flap tab being secured with special nuts and screws.

Rear Fender (Each Side)
Mud Flap (Each Side)
6 x 7 mm Special Screws (Typical)
Special Nuts (Typical)
Mud Flap Tab (Typical)
Slot (Typical)

STEP 37—Position rear mud flaps on rear fenders as shown and install using five 6 x 7 mm special screws and special nuts for each as shown. Tighten all screws securely.

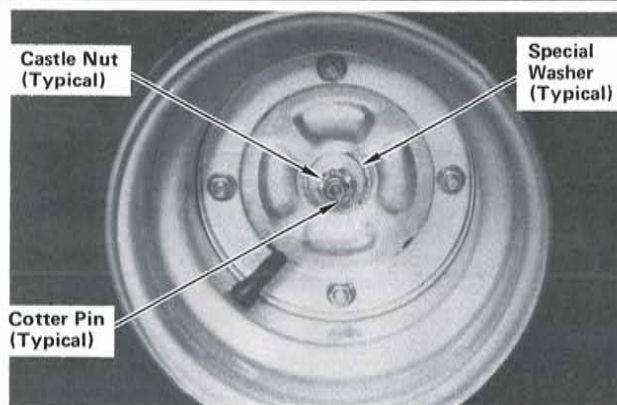


STEP 38—Slip a rear wheel reinforcing plate over studs of each rear wheel hub as shown, with flange towards hub.



STEP 39—Insert studs of rear wheel hubs through rear wheels, from side opposite valve stems. Install each hub using a reinforcing plate (flange up) and four 8 mm flange nuts for each. Tighten nuts to specified torque.

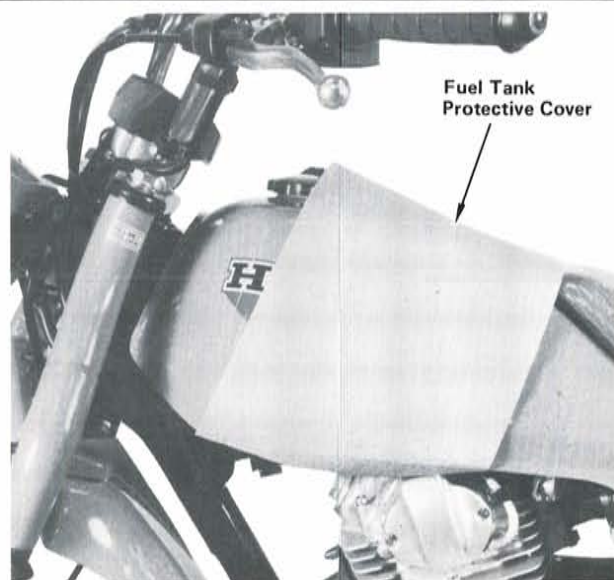
Torque specification:
2.2 kg-m (16 lb-ft)



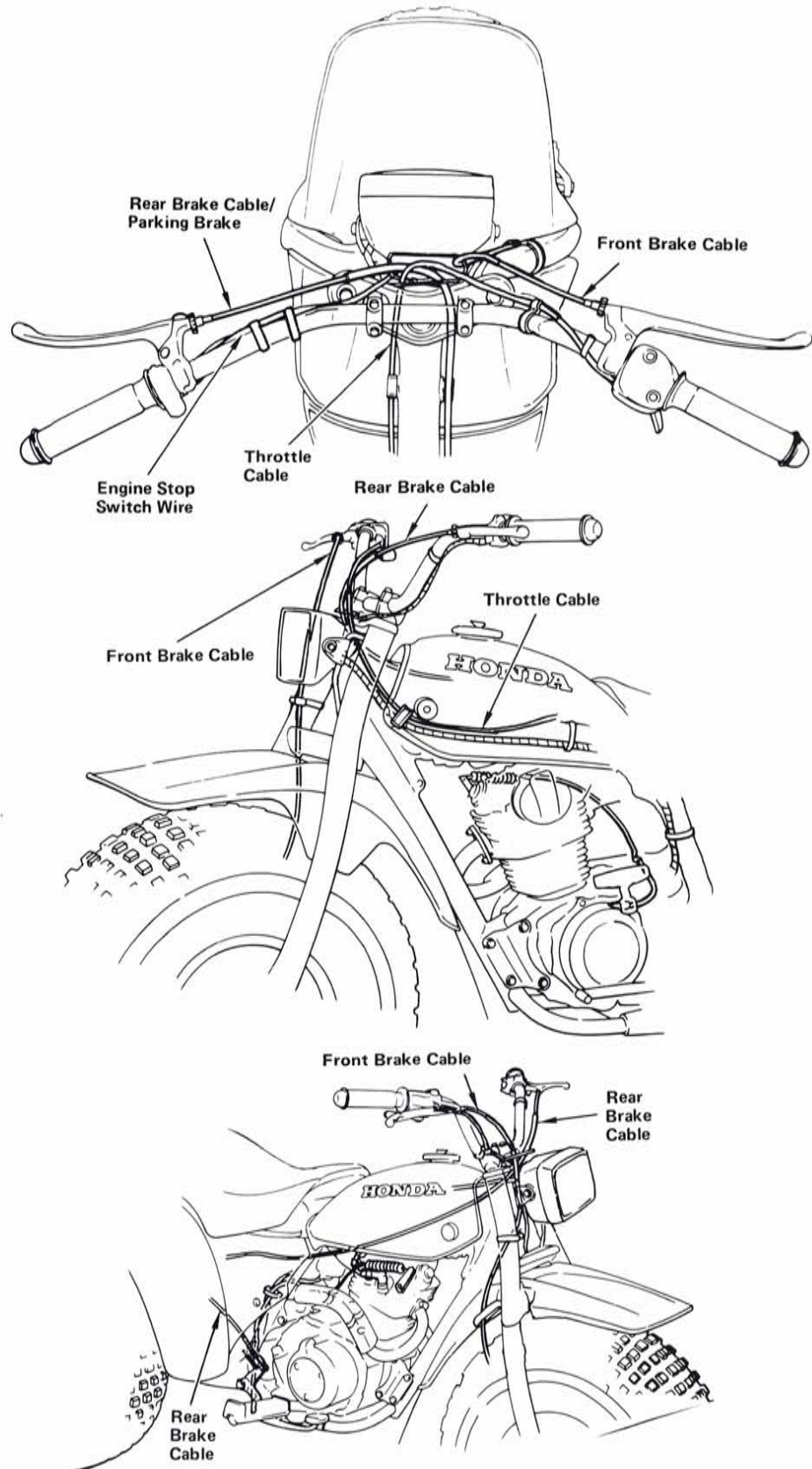
STEP 40—Grease rear axle splines and install rear wheels, with tire valves to the outside, using a special washer (with “OUTSIDE” marking facing out) and castle nut for each. Tighten both castle nuts to specified torque and install a cotter pin in each. Spread ends of cotter pins as shown.

NOTE: Install rear wheels so tire tread directional pattern will be same as front tire.

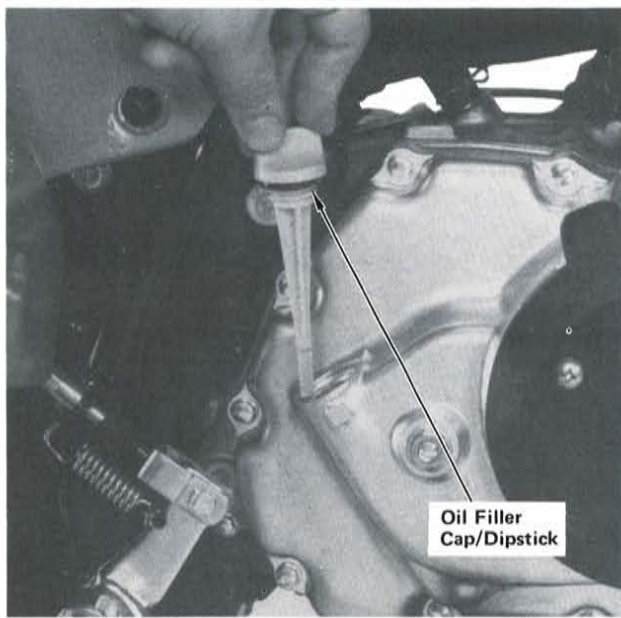
Torque specification:
7.0 kg-m (51 lb-ft)



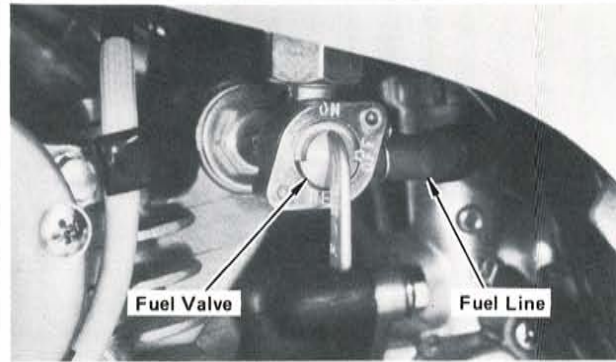
STEP 41—Remove protective covering from fuel tank.



STEP 42—Check routing of front and rear brake cables, throttle cable, engine stop switch wires, and headlight switch wires as shown.

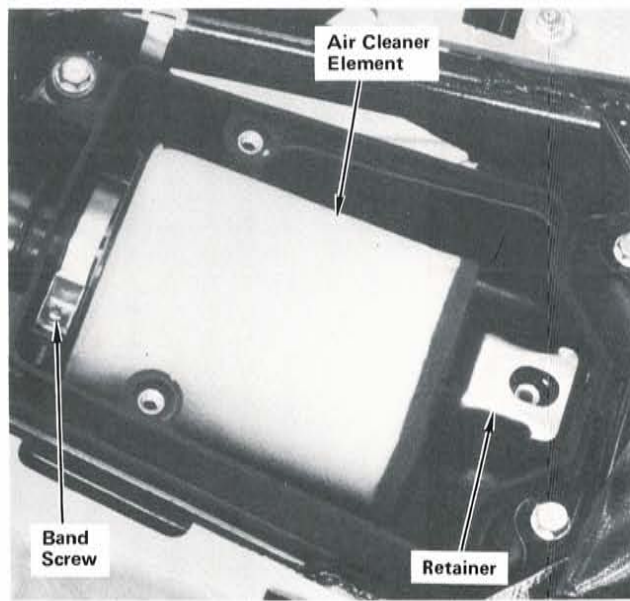
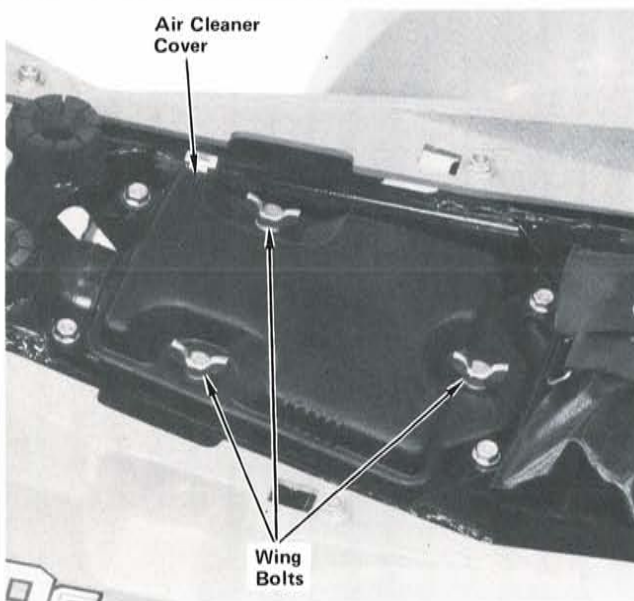


STEP 43—Remove oil filler cap/dipstick and fill crankcase with recommended oil as described in owner's manual. Reinstall and tighten oil filler cap/dipstick.

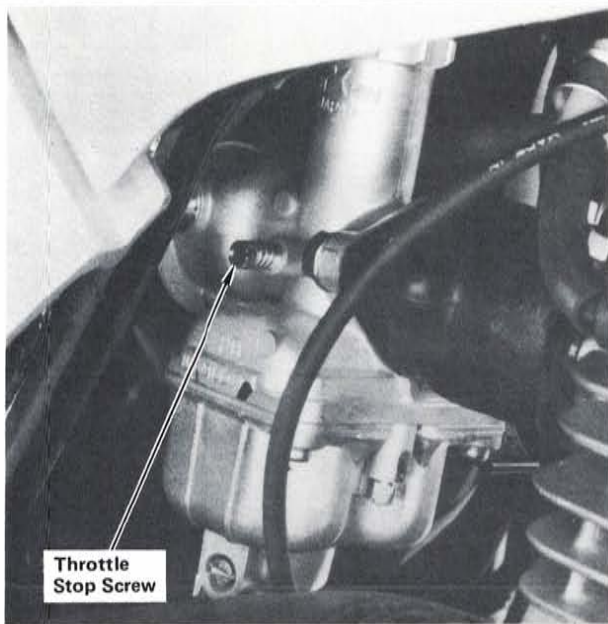


STEP 44—Drain fuel tank as described in shop manual. Remove fuel tank by removing mounting bolt at rear of tank and disconnecting fuel line. Inspect and flush fuel tank. Clean fuel filter. Reinstall fuel tank, connect fuel line, fill tank, turn on fuel valve and check for leaks and flow through fuel filter. Tighten mounting bolt securely. Drain residual fuel from carburetor.

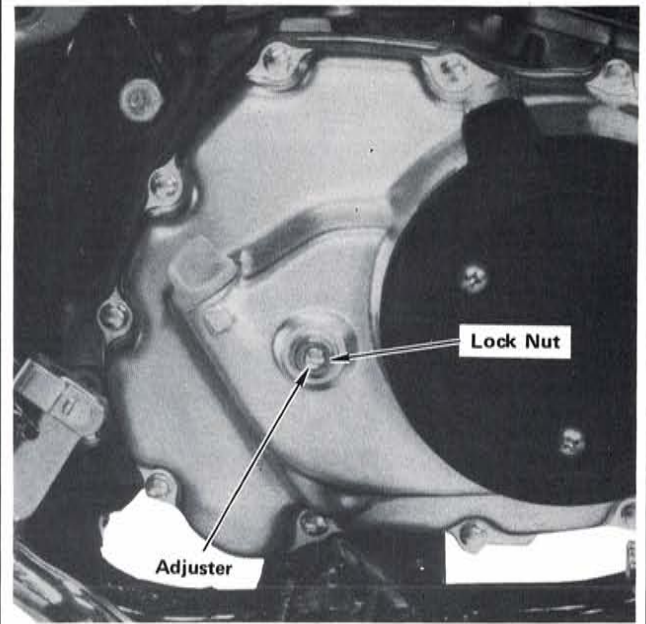
WARNING Fuel must be drained into a proper container. Gasoline is flammable and explosive under certain conditions. Do not smoke or allow flames or sparks near while draining fuel.



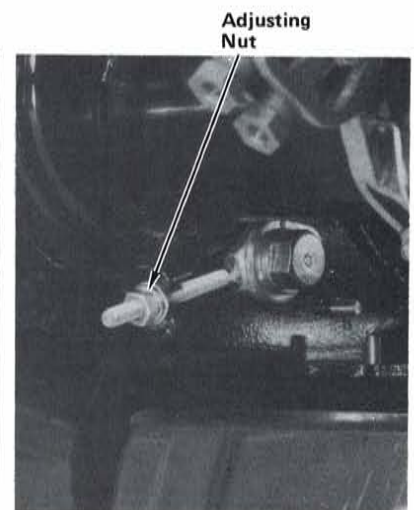
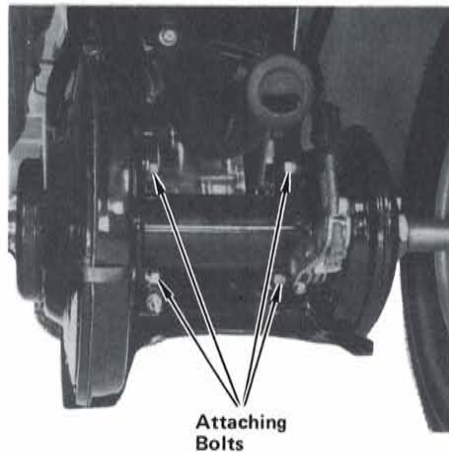
STEP 45—Remove three wing bolts attaching air cleaner cover. Loosen air cleaner band screw. Remove air cleaner element assembly from air cleaner case. Remove retainer from air cleaner core and remove air cleaner element. Check condition of element. If necessary, clean element as described in owner's manual or shop manual. Reinstall element, retainer, and assembly into air cleaner case. Tighten air cleaner band screw. Reinstall air cleaner cover and tighten wing bolts securely.



STEP 46—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.

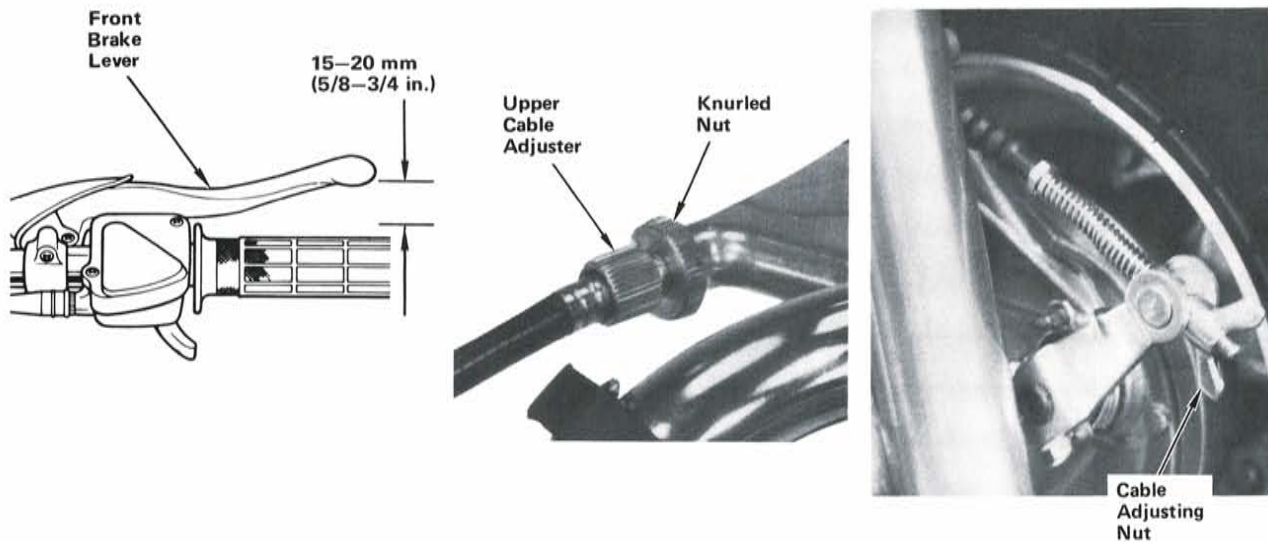


STEP 47—Check clutch operation. If adjustment is necessary, use the following procedure. Loosen lock nut and turn clutch adjuster counterclockwise until resistance is felt, then turn clutch adjuster $1/4$ turn clockwise and tighten lock nut. Recheck clutch operation.

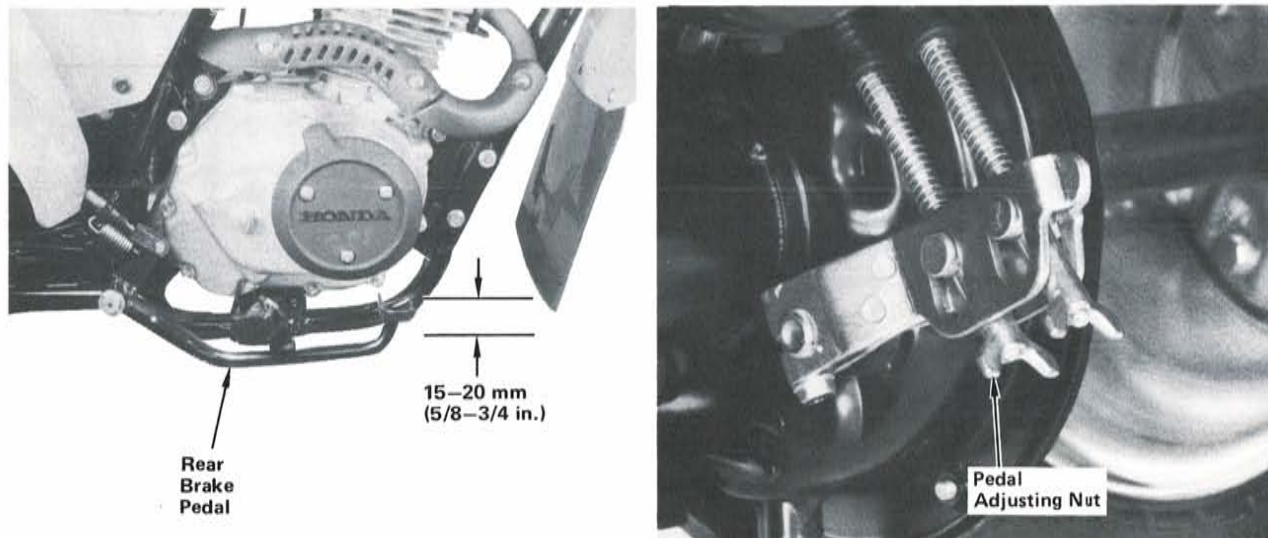


STEP 48—Remove drive chain inspection cap and check chain slack. If adjustment is necessary, loosen rear hub bolts and turn adjusting nut to obtain correct slack. After adjustment, tighten rear hub bolts and lock nut then recheck chain slack. Lubricate drive chain as described in owner's manual or shop manual and reinstall chain inspection cap.

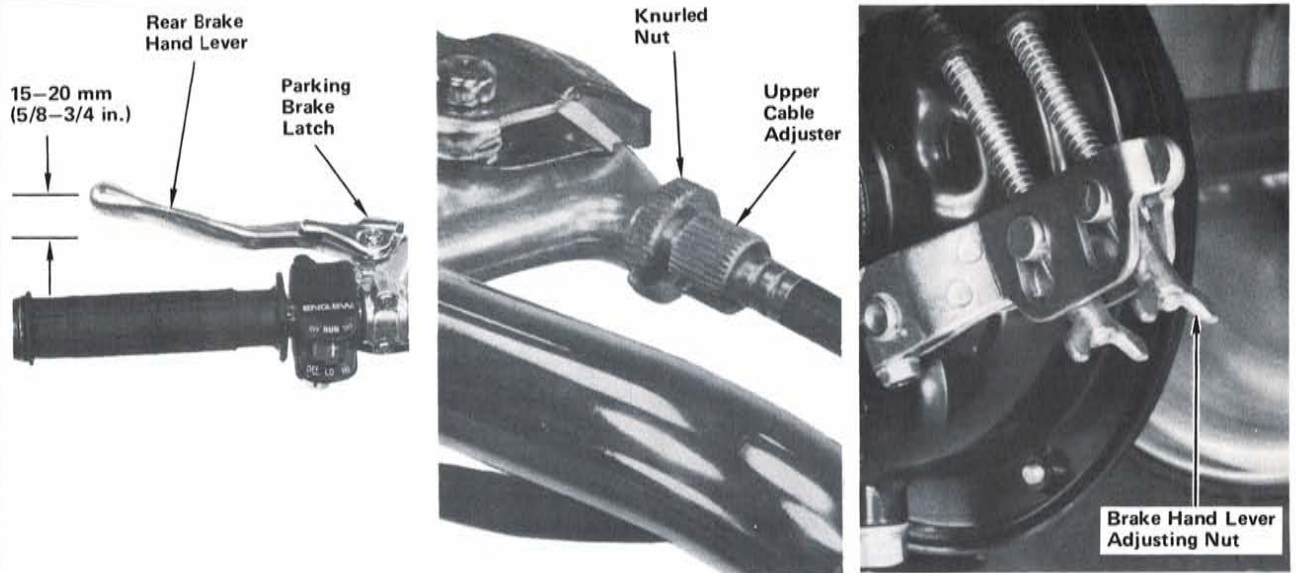
Drive chain slack: 15–25 mm (5/8–1 in.)



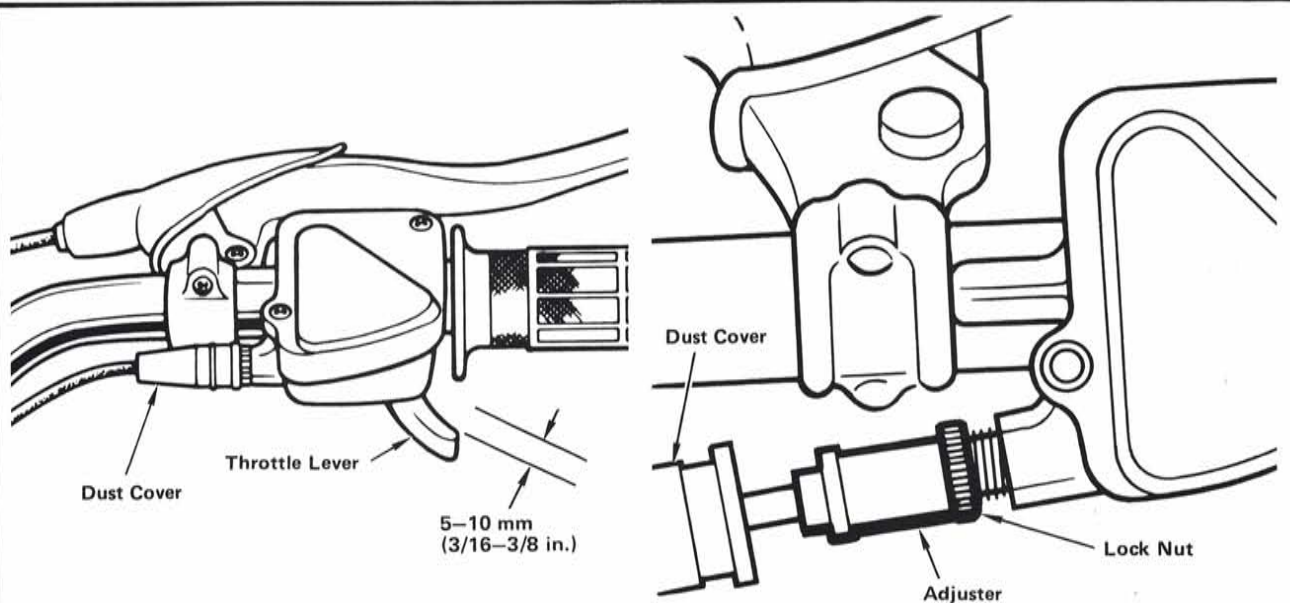
STEP 49—Raise front wheel off ground using a support block under engine. Spin front wheel by hand and measure free play of front brake hand lever before brake starts to engage. Free play, measured at tip of brake hand lever, should be between 15 and 20 mm (5/8-3/4 in.). Use lower adjuster to make large adjustments. Small adjustments are made at brake hand lever by loosening knurled nut and turning upper adjuster. After adjustment, tighten knurled nut.



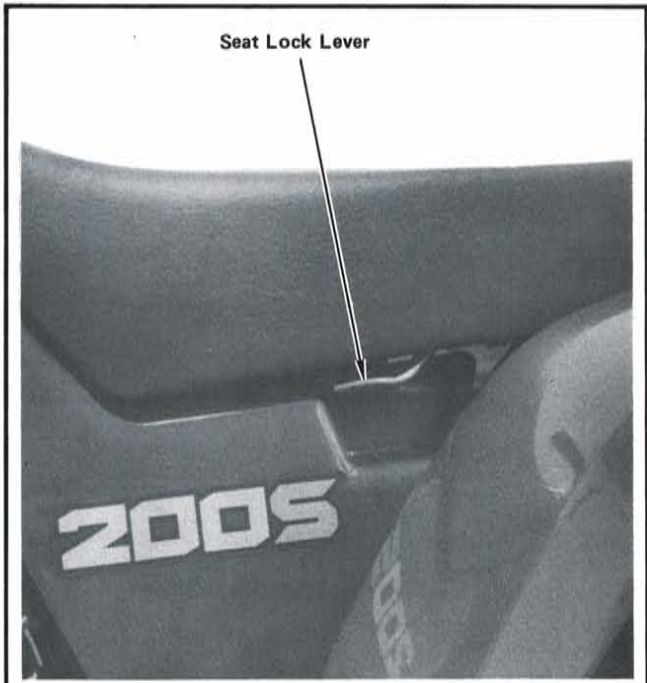
STEP 50—Raise rear wheels off ground using a support block under ATC. Rotate rear wheels by hand and measure free play before brake starts to engage. Free play, measured at tip of brake pedal, should be between 15 and 20 mm (5/8-3/4 in.). To adjust free play, turn adjusting nut. Turning adjusting nut clockwise will decrease free play.



STEP 51—Raise rear wheels off ground using a support block under engine. 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 loosening knurled nut and turning upper adjuster. After adjustment, tighten knurled nut. Remove block under engine. Check parking brake operation.



STEP 52—Check throttle cable for condition. Check that throttle lever free play is within 5—10 mm (3/16—3/8 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.

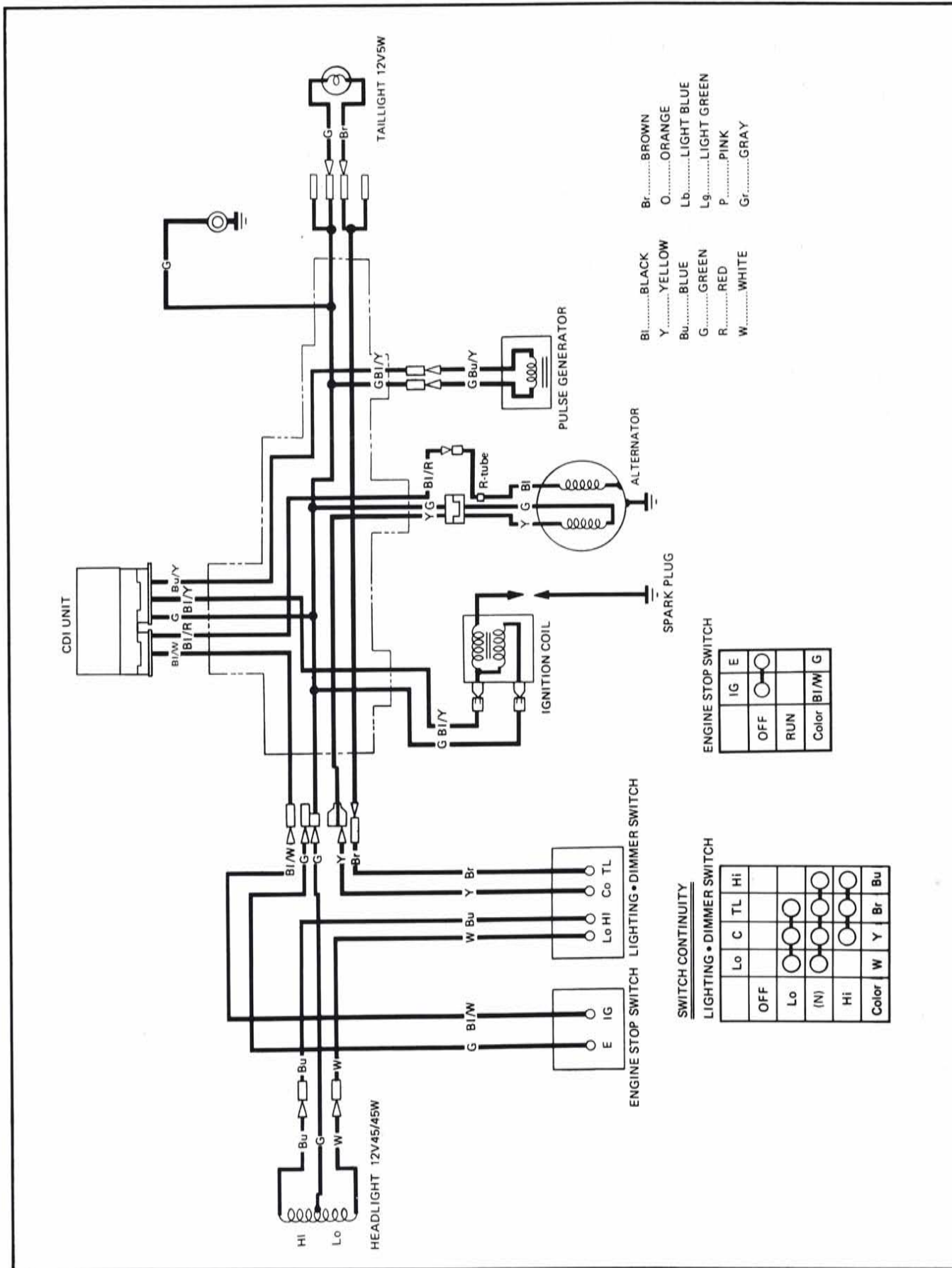


STEP 53—Insert seat studs into holes in rubber seat mounts and engage seat latches.

NOTE: Check that latches are fully engaged.

TORQUE TABLE

ITEM	SIZE	TORQUE
Fork bolts	-----	6.0 kg-m (44 lb-ft)
Handlebar upper holder bolts	-----	2.7 kg-m (19 lb-ft)
Fork leg bolts	10 mm	4.5 kg-m (32 lb-ft)
Front fender bolts	6 mm	1.0 kg-m (8 lb-ft)
Front axle	-----	9.0 kg-m (70 lb-ft)
Axle holder nuts	-----	1.2 kg-m (9 lb-ft)
Carrying handle bolts	8 mm	2.7 kg-m (19 lb-ft)
Rear hub nuts	8 mm	2.2 kg-m (16 lb-ft)
Rear axle nuts	14 mm	7.0 kg-m (51 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

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| <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"/> Check air filter element. Clean and oil if necessary. <input type="checkbox"/> Check operation of decompression system. <input type="checkbox"/> Reinstall fuel tank, fill, turn on petcock and check for leaks. <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"/> Adjust and lubricate drive chain. <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. | <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"/> TEST RIDE: Check performance, handling, and operation. <ul style="list-style-type: none"> • Transmission and clutch: 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. • Parking brake operation. • Upon completion of test ride, check for fuel and oil leaks. |
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