

# Set-up Instructions

AUG. 17 1982

# 1983 Model ATC200



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

**WARNING**

**WARNING**

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SET-UP AND PRE-DELIVERY SERVICE MUST BE PERFORMED BY AN AUTHORIZED HONDA MOTORCYCLE DEALER. Proper set-up and pre-delivery service is essential to rider safety and reliability of the ATC. When a customer takes delivery of his brand new ATC, 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 unit. An error or oversight made by the mechanic assembling and servicing a new unit can easily result in faulty operation, damage to the machine, or even injury to the rider.

COPY



*NOTE: Right and left are determined from the rider's view.*

Date of Issue: 7/82

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1 of 20

# SET-UP INSTRUCTION REVISED PAGES

Pages Affected

Orig. Issue Date

Rev. Date

1 through 20

7/82

Original

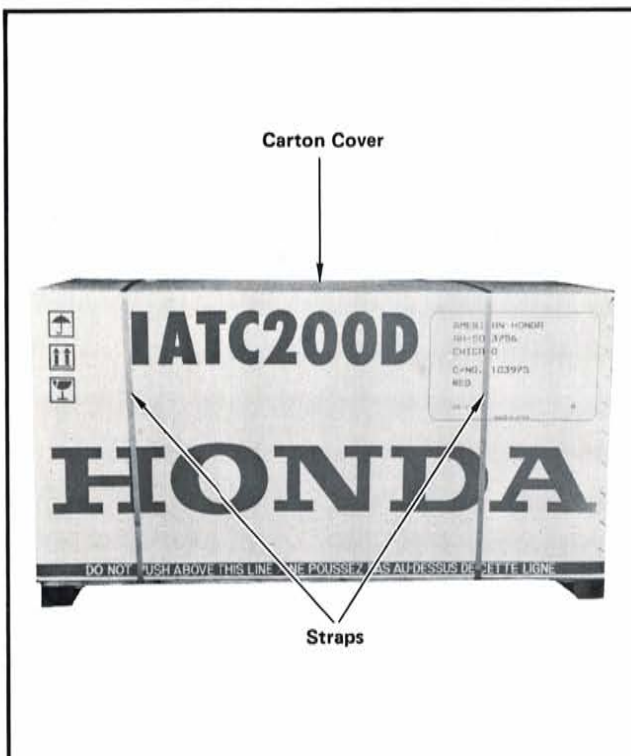
Remove and destroy superseded pages.

Pay special attention to warnings, cautions, and notes.

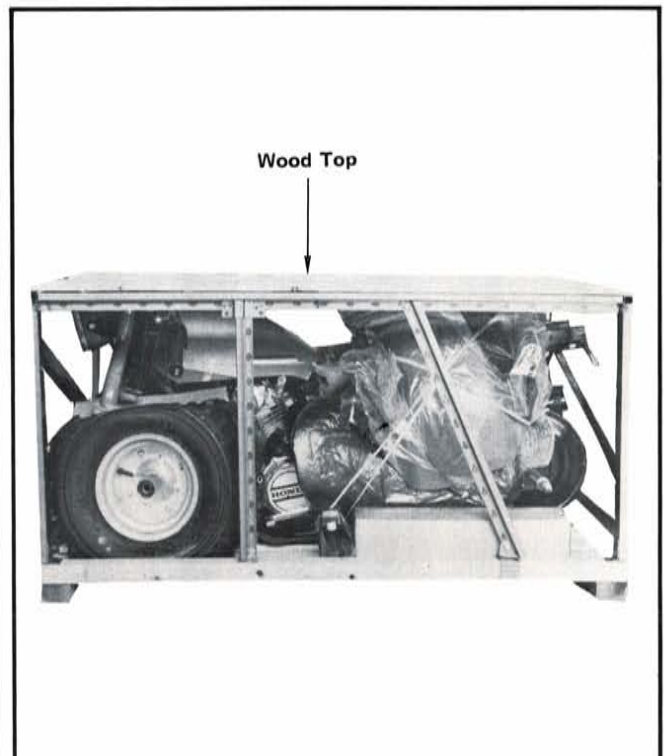
**WARNING** means hazards or unsafe practices which could cause severe personal injury or death.

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

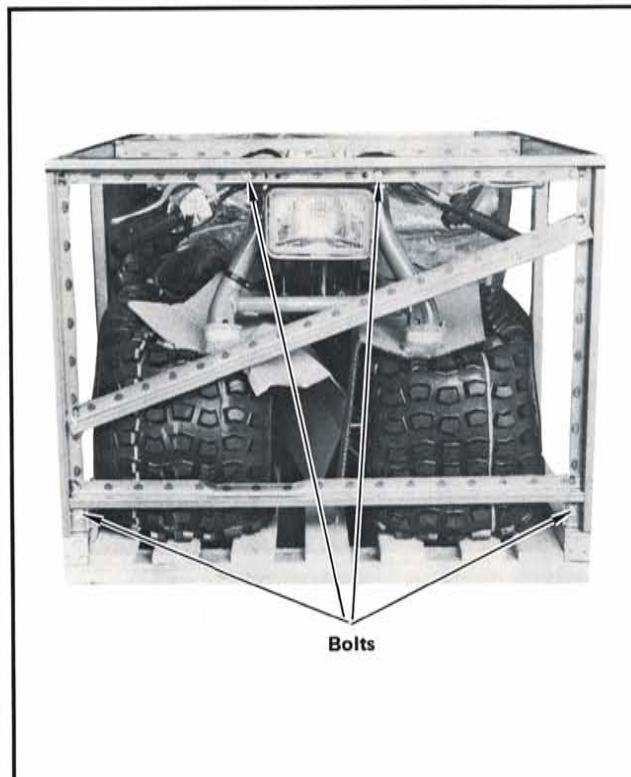
*NOTE: gives helpful information.*



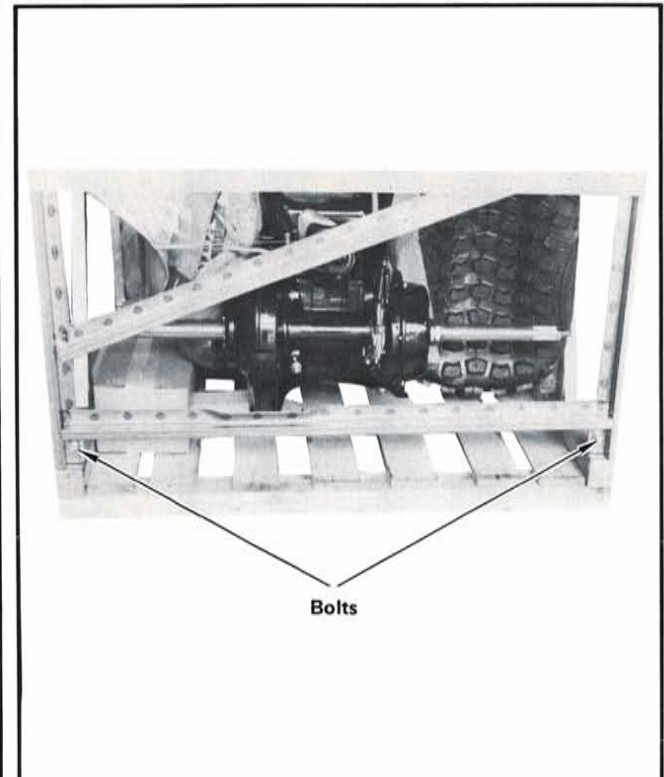
**STEP 1**—Cut straps and remove carton cover by lifting it up.



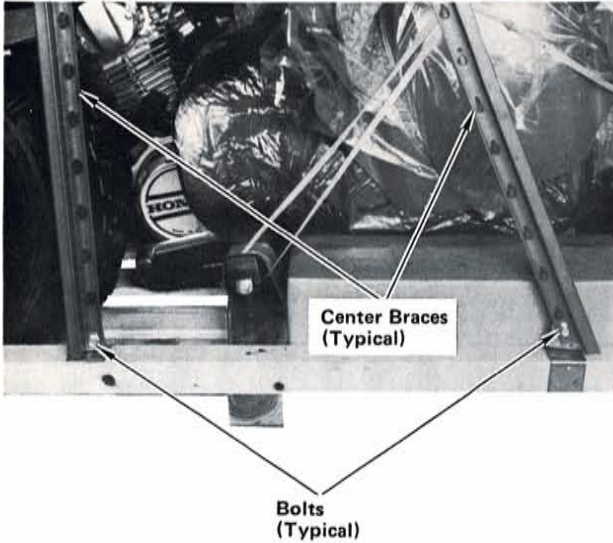
**STEP 2**—Remove crate wood top.



**STEP 3**—Remove four bolts attaching crate front end frame to crate base. Discard bolts.

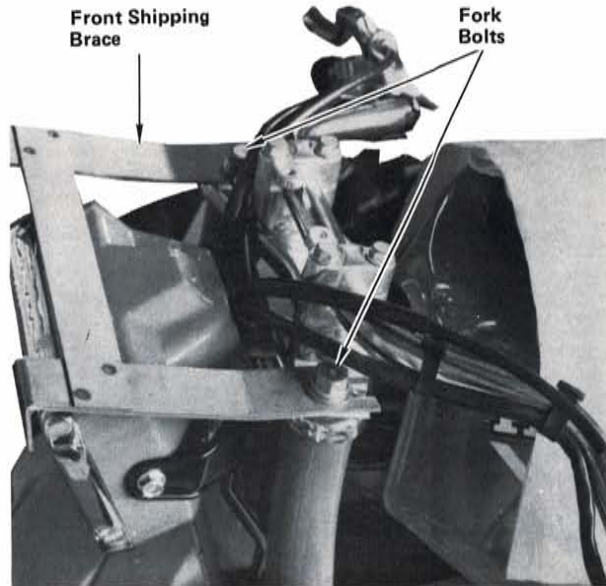


**STEP 4**—Remove two bolts attaching crate rear end frame to crate base. Discard bolts.



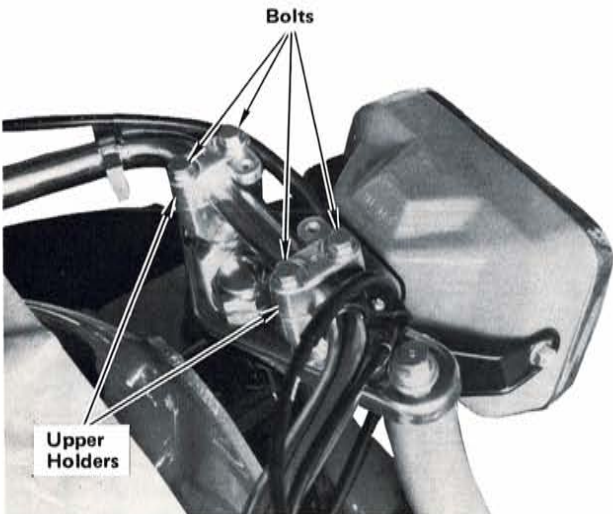
**STEP 5**—Remove bolts attaching center braces to crate base on each side. Discard bolts. Carefully lift off crate frame using two people.

**CAUTION:** Use extreme care not to damage ATC with crate frame.

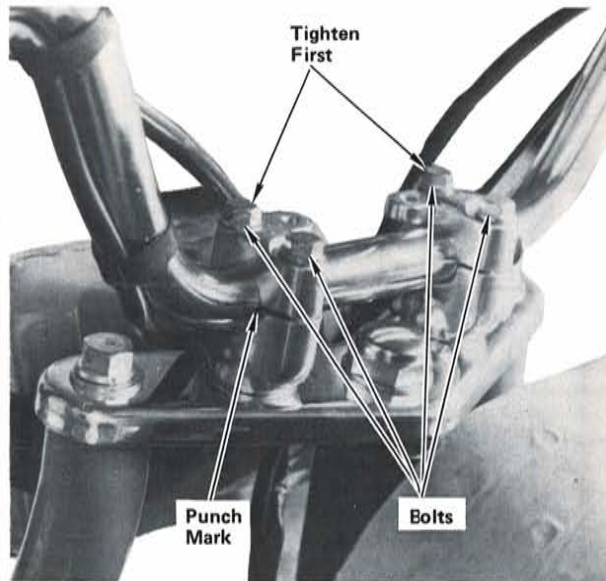


**STEP 6**—Loosen fork bolts and remove front shipping brace. Retighten fork bolts to specified torque.

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

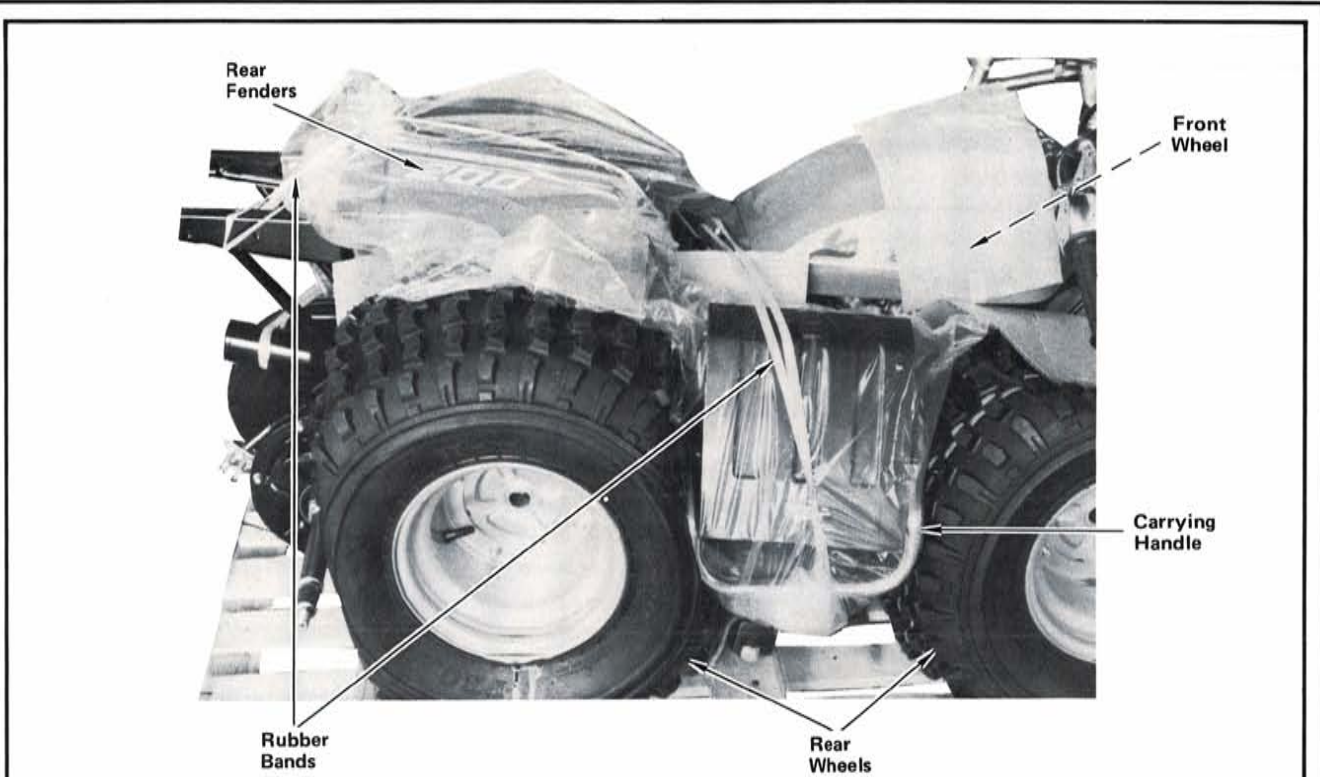


**STEP 7**—Loosen four bolts attaching upper handlebar holders.

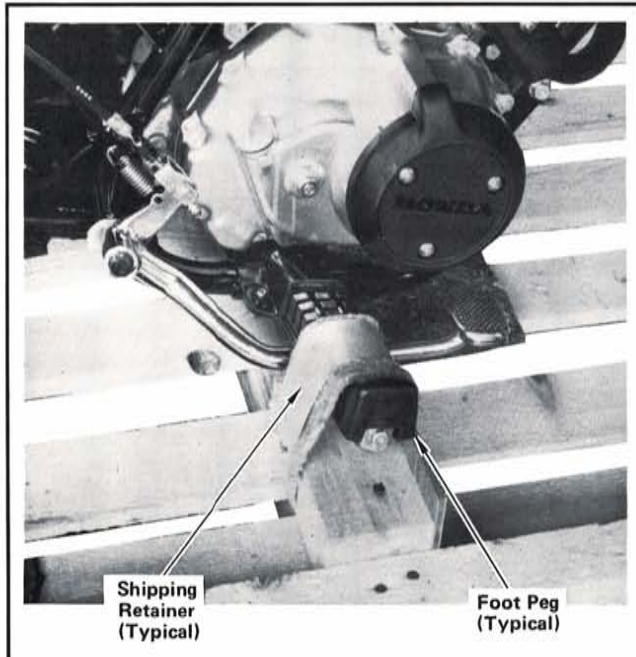


**STEP 8**—Raise handlebar grips until punch mark on handlebar is aligned with top of lower holder and serrations are aligned with lower holders. Tighten forward bolts to specified torque first, then tighten rear bolts to same torque.

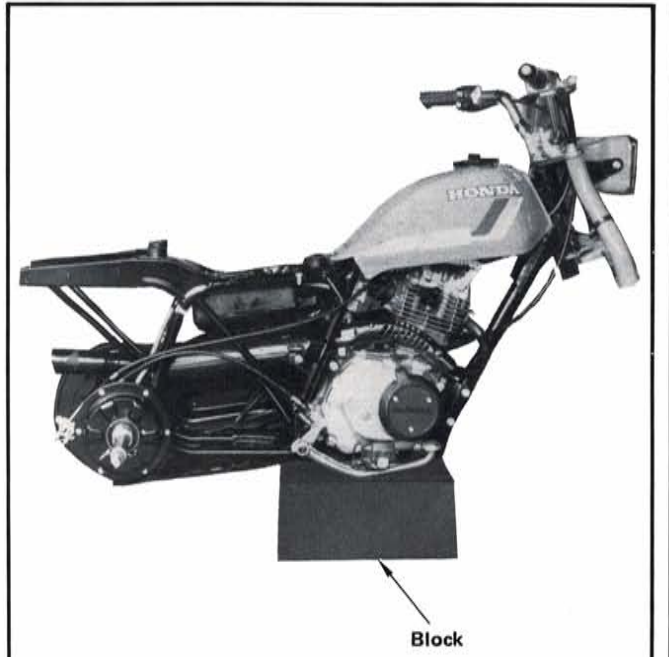
**Torque specification:**  
2.4 kg-m (18 lb-ft)



**STEP 9**—Remove rubber band and remove carrying handle, front fender, rear fenders, parts carton, and front and rear wheels.

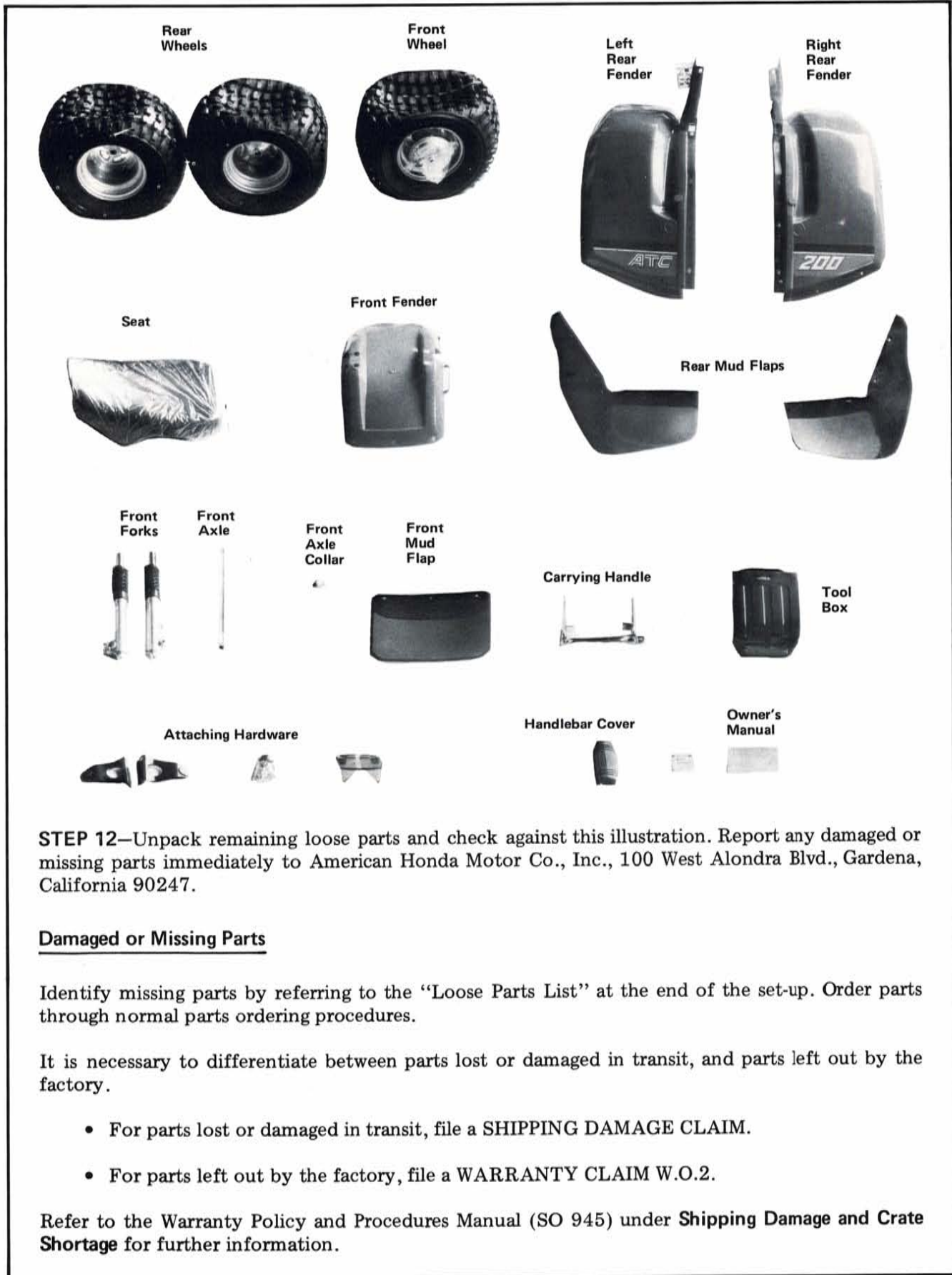


**STEP 10**—Remove nails and remove lower shipping retainers holding foot pegs to crate base.



**STEP 11**—Carefully remove ATC from crate base and support on padded block centered under engine as shown.

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



**STEP 12**—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 WARRANTY CLAIM W.O.2.

Refer to the Warranty Policy and Procedures Manual (SO 945) under **Shipping Damage and Crate Shortage** for further information.

Front Fender

Rubber Grommets (4)

Flanged Collars (4)

6 x 7 mm Special Screws (3)

Mud Flap

Special Nuts (3)

**STEP 13**—Check front fender mud flap and attaching hardware.

Rubber Grommets and Flanged Collars

Mud Flap

6 x 7 mm Special Screws and Special Nuts

**STEP 14**—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.

10 x 35 mm Flange Bolts

Fork Legs

**STEP 15**—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.

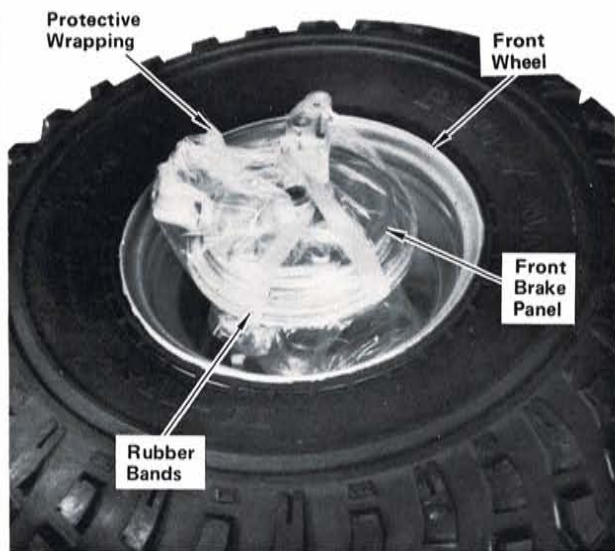
**Torque specification:**  
4.5 kg-m (32 lb-ft)

Front Fender

6 x 22 mm Flange Bolts

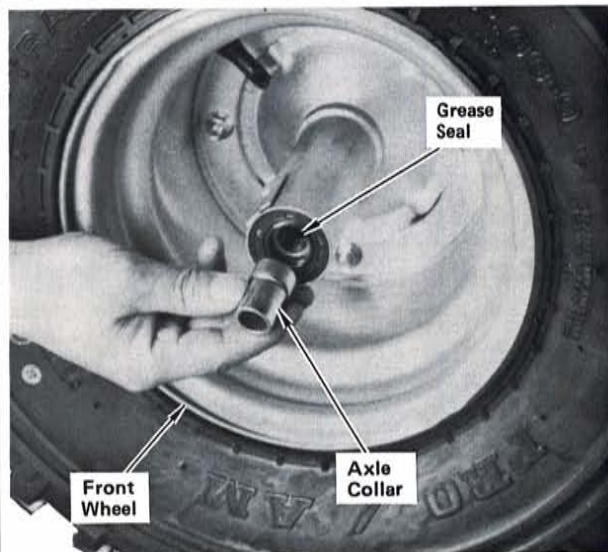
**STEP 16**—Position front fender between fork legs with mud flap towards rear and install using four 6 x 22 mm flange bolts. Tighten bolts to specified torque.

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

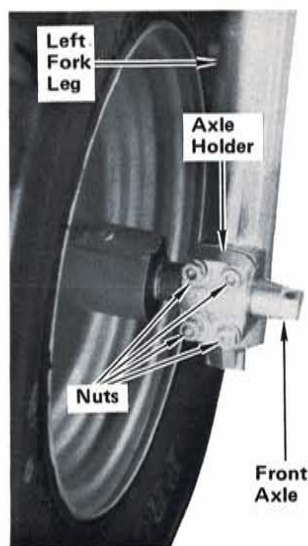
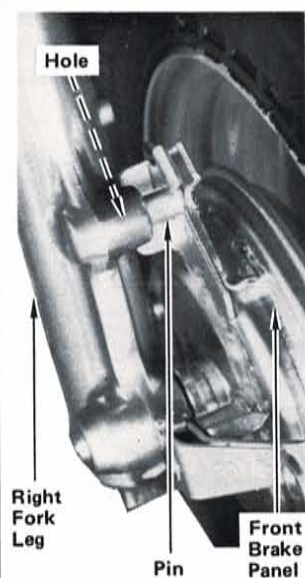


**STEP 17**—Remove rubber band and remove protective wrapping from front brake. Remove front brake and check that brake linings and brake drum are clean. Check that grease seal is full of grease. If necessary, wipe brake drum with a clean cloth. Inflate and check tire pressure of all three tires.

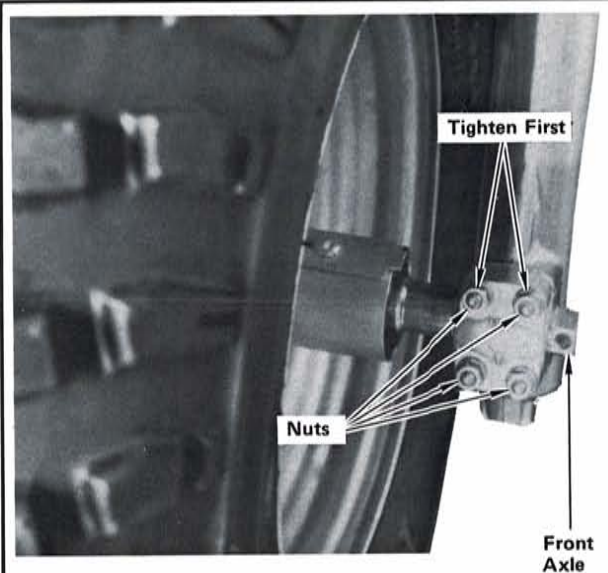
**Tire Pressure: 2.2 psi.**



**STEP 18**—Insert large end of axle collar into grease seal on valve stem side of front wheel as shown.



**STEP 19**—Rotate sliders of fork legs so axle holder and brake mounting bosses are towards the front. Loosen axle holder nuts. Insert front axle through axle holder, collar, wheel hub, brake panel, and into right fork leg. Check that pin on brake panel is inserted into hole in right fork leg.



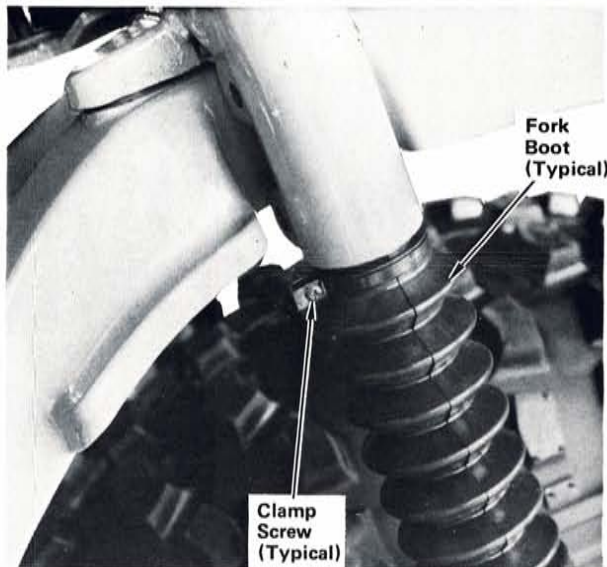
**STEP 20**—Tighten front axle to specified torque. Tighten upper axle holder nuts to specified torque first, then tighten lower nuts to same torque.

**Torque specifications:**

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

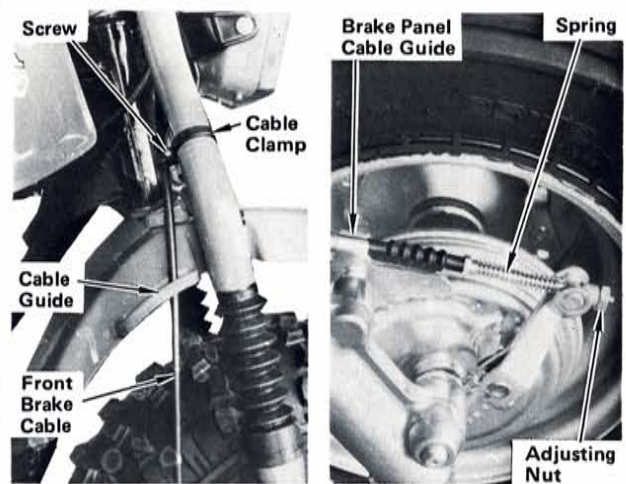
Axle holder nuts: 1.2 kg-m ( 9 lb-ft)



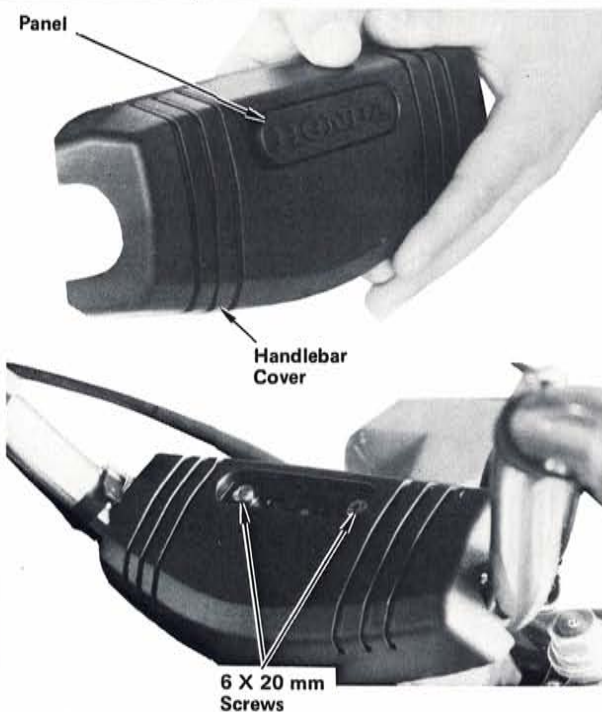


**STEP 21**—Install upper ends of fork boots as shown and tighten clamp screws.

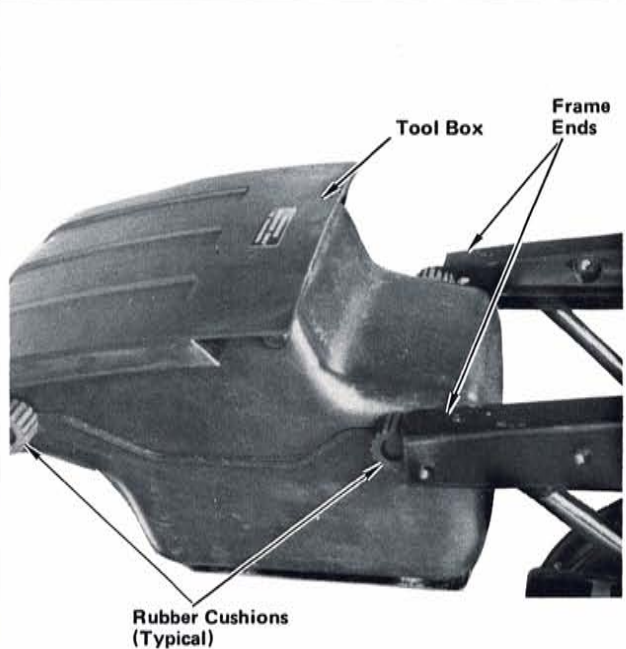
**CAUTION:** Do not twist fork boots while tightening clamp screws.



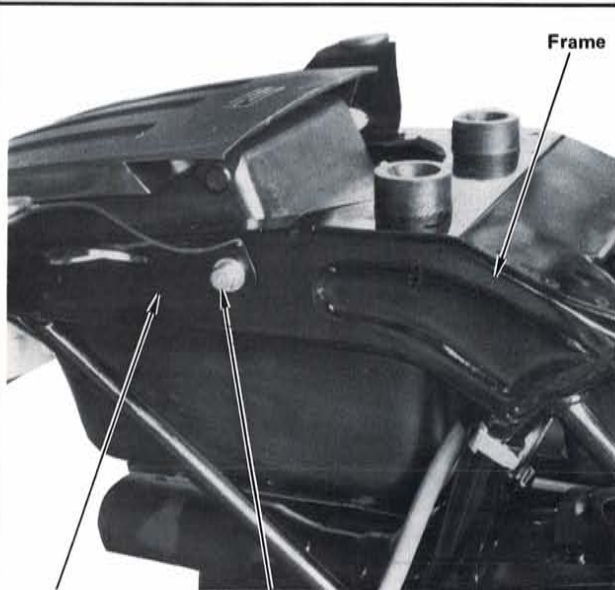
**STEP 22**—Loosen screw of cable clamp on right fork. Route front brake cable down through cable clamp and through cable guide on front fender. Route cable through cable guide on brake panel. Slip brake return spring over end of brake cable and connect cable to front brake arm using a brake arm joint and cable adjusting nut. Adjust front brake as described in Step 42.



**STEP 23**—Remove panel from handlebar cover and install cover as shown using two 6 x 20 mm screws. Tighten screws securely and reinstall panel as shown.

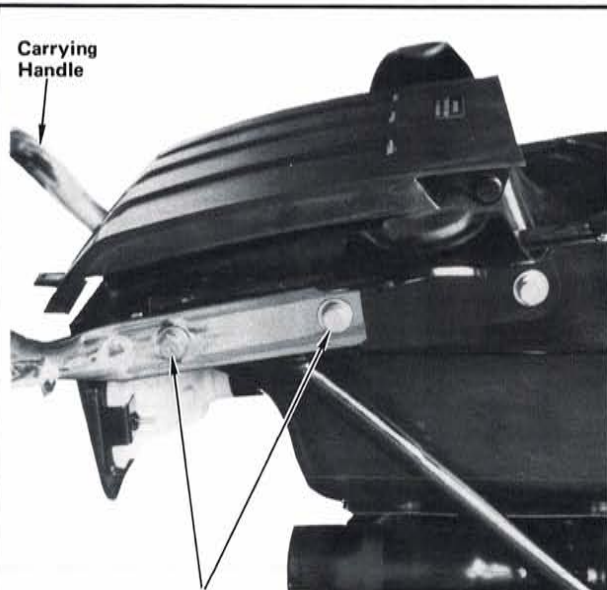


**STEP 24**—Position tool box between rear frame ends as shown and slide it forward all the way.



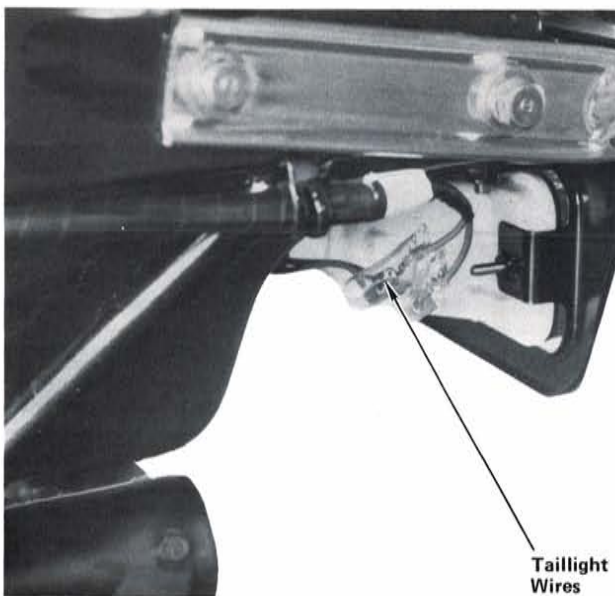
Fender Brace (Each Side)  
8 x 16 mm Bolt/Plain Washer (Each Side)

**STEP 25**—Position right and left fender braces on frame as shown and install using an 8 x 16 mm bolt/plain washer through forward hole of each.

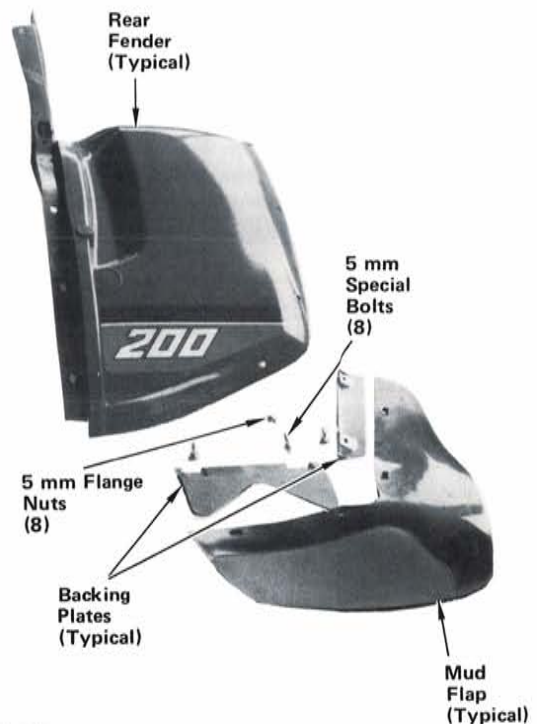


8 x 16 mm Bolt/Plain Washer Combinations (Each Side)

**STEP 26**—Position ends of carrying handle over rear holes of fender braces as shown and install using two 8 x 16 mm bolt/plain washer combinations for each side. Tighten all six 8 mm bolts securely. (Four in this step and two installed in Step 25.)



**STEP 27**—Connect taillight wires to wire harness color-to-color.



**STEP 28**—Check rear fenders, mud flaps, and attaching hardware.

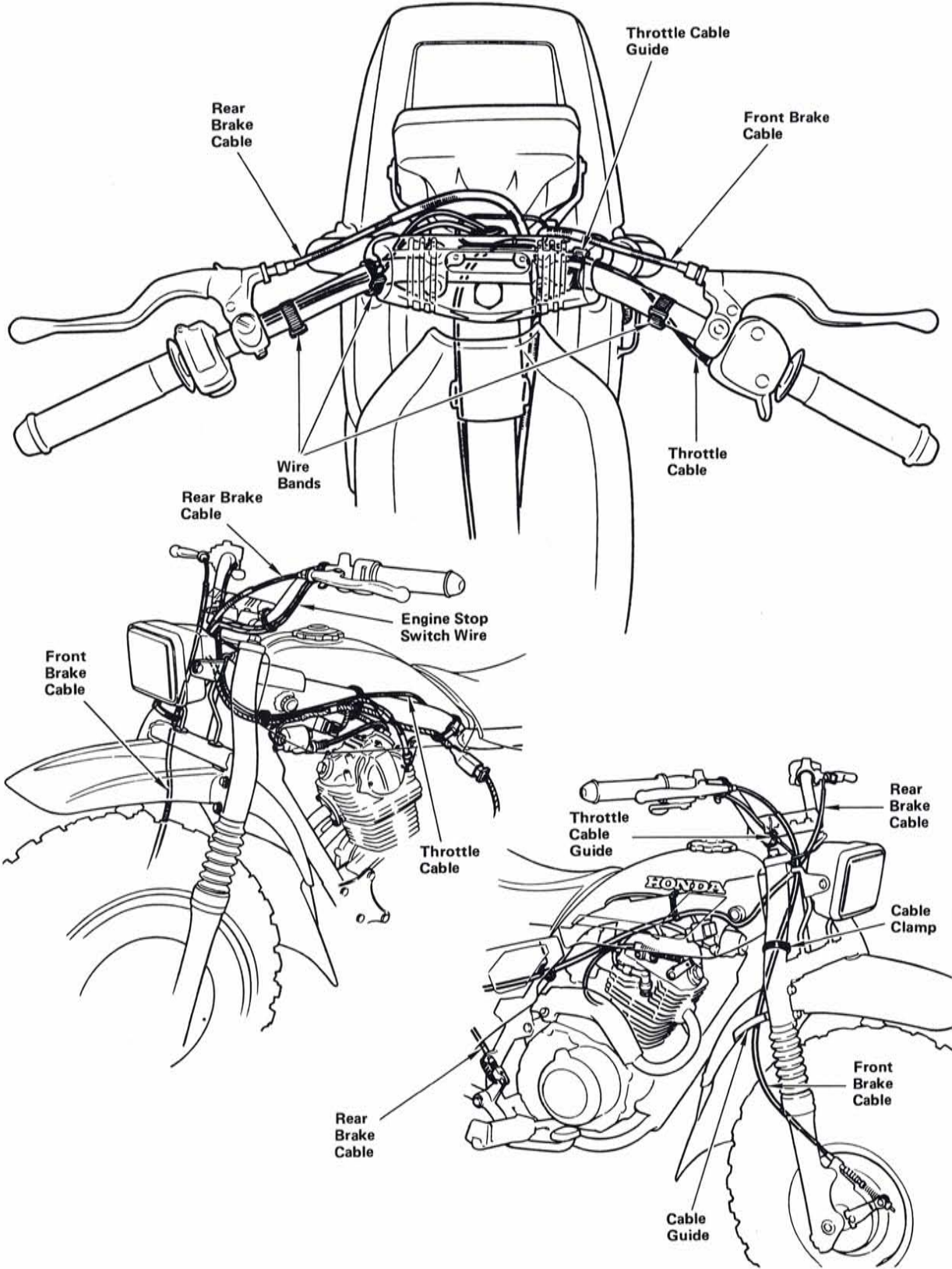
**STEP 29**—Position rear mud flap under rear fender and install using four 5 mm special bolts inserted down through fender, and two backing plates and four flange nuts under fender as shown. Repeat for other fender. Tighten all screws securely.

**STEP 30**—Position right and left fenders on frame as shown and install using five 6 x 16 mm bolt/washer combinations and collars for each fender.

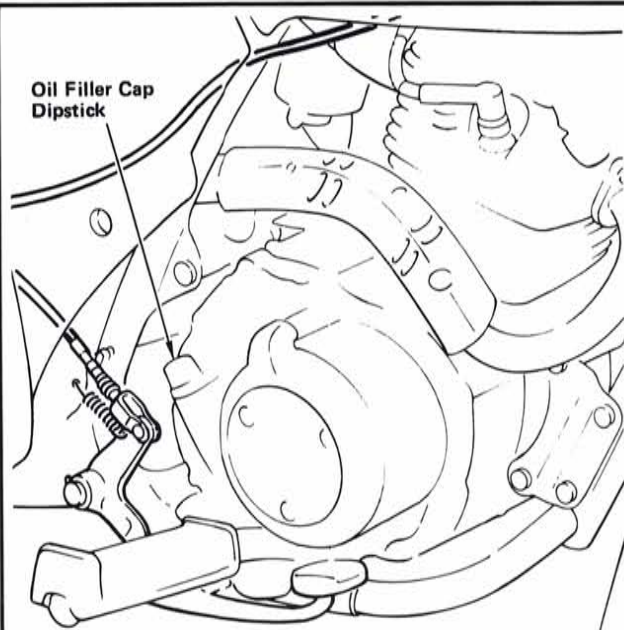
**STEP 31**—Attach front lower portion of each fender to frame using a 6 x 16 mm screw/washer combination. Tighten all 6 mm fender bolts and screws securely. (Those installed in Steps 30 and 31.)

**STEP 32**—Grease rear axle splines and install rear wheels, with valve stems to the outside, using a plain washer 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.

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

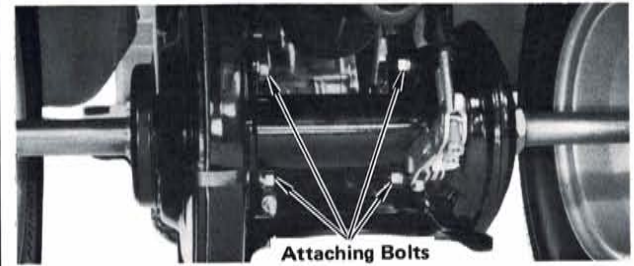
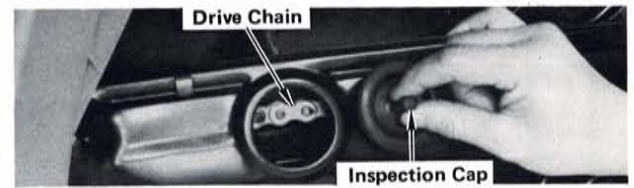


**STEP 33**—Check routing of front and rear brake cables, throttle cable, and engine stop switch wire as shown.



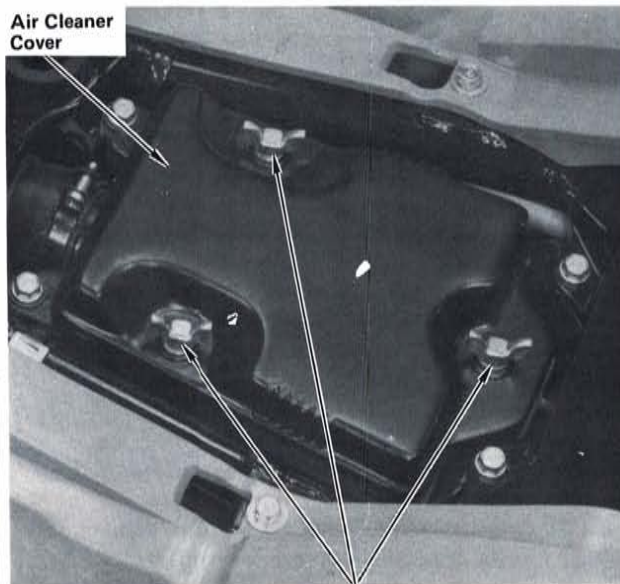
Oil Filler Cap Dipstick

**STEP 34**—Fill crankcase with recommended oil as described in owner's manual.



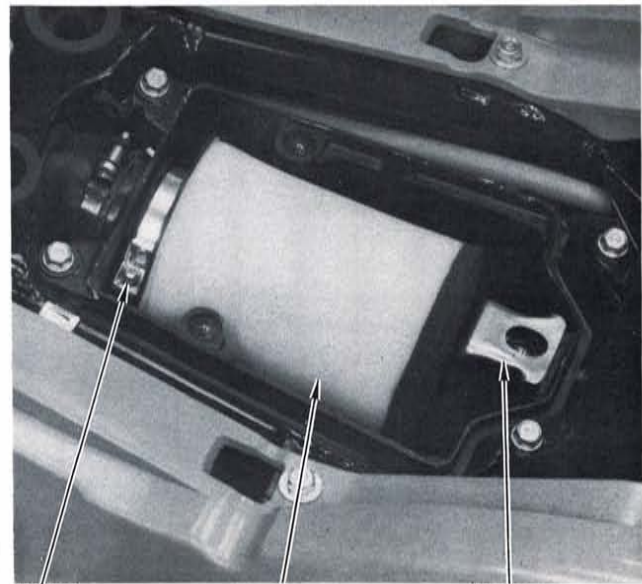
**STEP 35**—Check drive chain slack and lubrication. If necessary, adjust and lubricate drive chain as described in owner's manual or shop manual.

Slack: 15–25 mm (5/8–1 in.)



Air Cleaner Cover

Wing Bolts

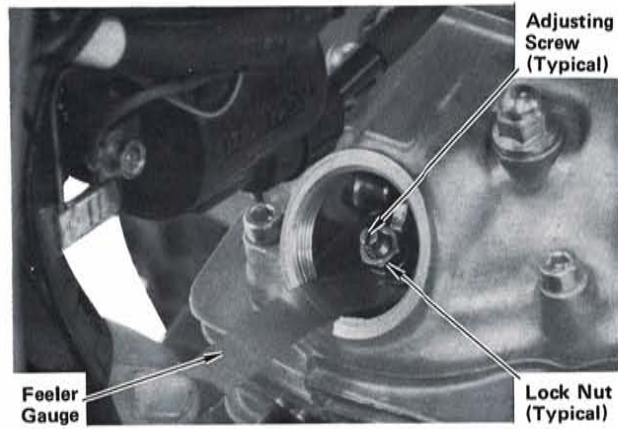
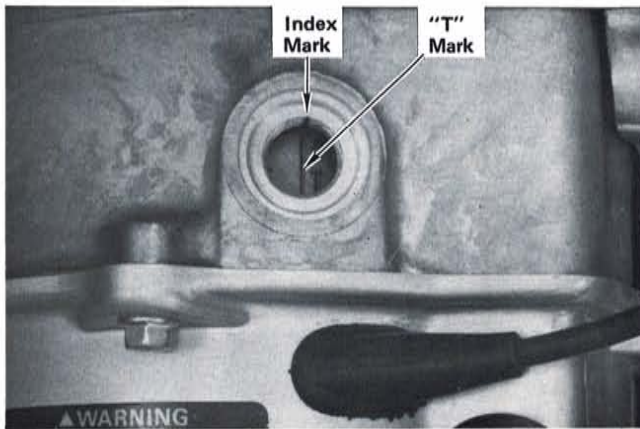


Screw

Air Cleaner Element

Retainer

**STEP 36**—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.

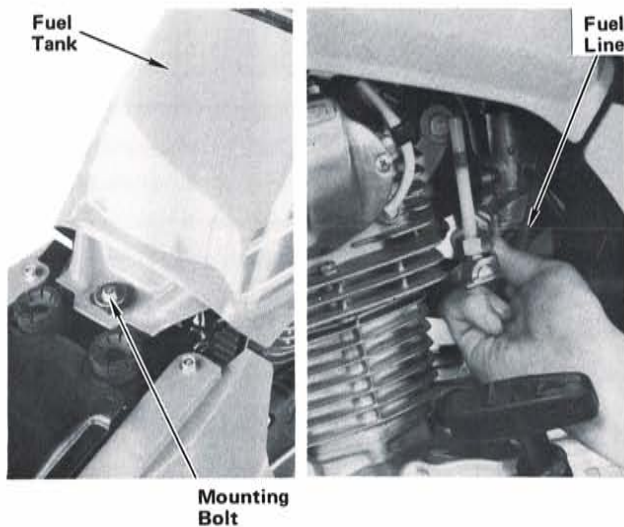


**STEP 37**— Check valve clearance and adjust if necessary as follows:

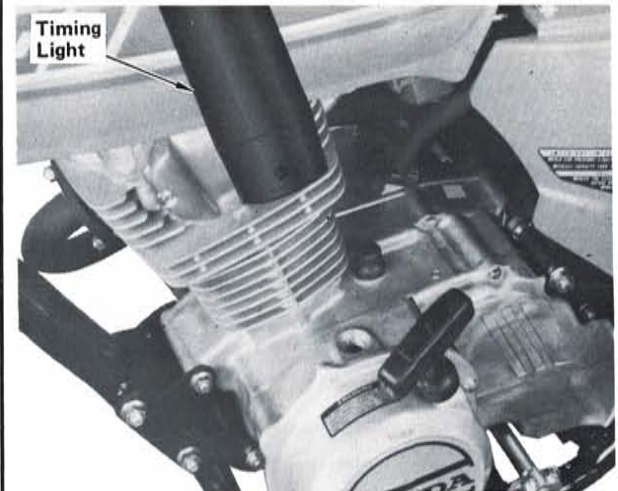
*NOTE: Valve clearance adjustment must be done while engine is cold (below 35°C; 95° F).*

1. Remove timing mark cap and valve adjuster hole caps.
2. Rotate crankshaft using recoil starter and align "T" mark on rotor with index mark on crankcase. Piston must be at T.D.C. (Top Dead Center) of compression stroke.
3. Insert feeler gauge between adjusting screw and valve stem of intake and exhaust valves.
4. If adjustment is necessary, loosen lock nut and turn adjusting screw as required.
5. After adjustment, hold adjusting screw and tighten lock nut.
6. Recheck valve clearance.
7. Reinstall valve adjuster hole caps.

Intake and Exhaust: 0.05 mm (0.002 in.)

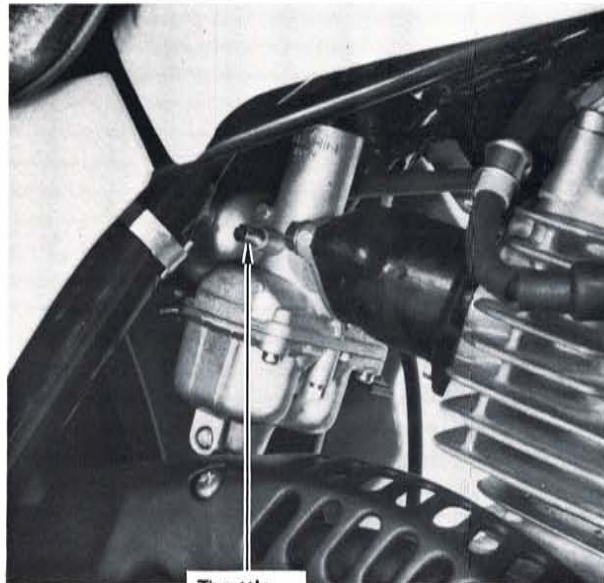


**STEP 38**— Drain fuel tank as described in shop manual. Remove fuel tank by removing mounting bolt at rear of tank and disconnecting fuel line. Inspect and flush fuel tank. Reinstall fuel tank, connect fuel line, fill tank, turn on fuel valve and check for leaks and flow through fuel filter. Tighten mounting bolt securely.



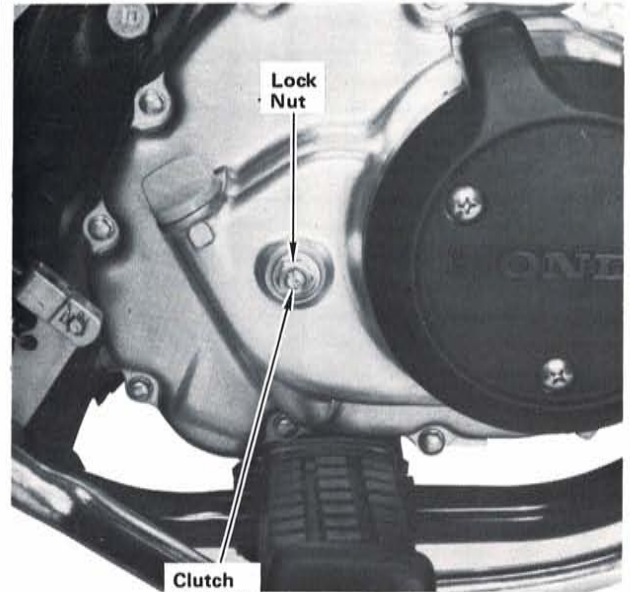
**STEP 39**— Connect a stroboscopic timing light and check transmission in neutral. Start engine and allow it to idle. Aim timing light at timing mark hole and check that "F" mark is aligned with index mark at idle. Reinstall timing hole cap. Remove timing light.

*NOTE: The C.D.I. (Capacitor Discharge Ignition) system is factory preset and cannot be adjusted. If timing is incorrect, check C.D.I. units as described in shop manual.*



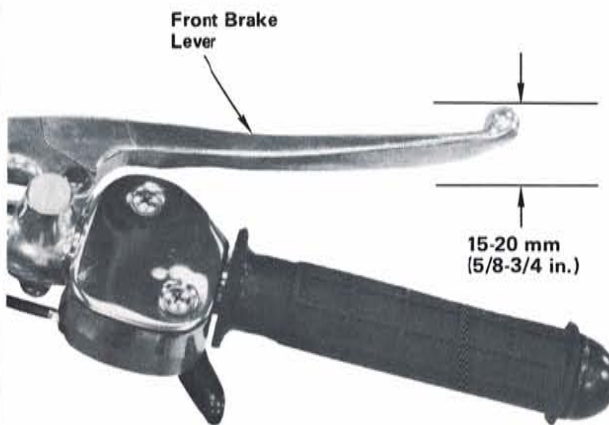
Throttle  
Stop Screw

**STEP 40**—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.



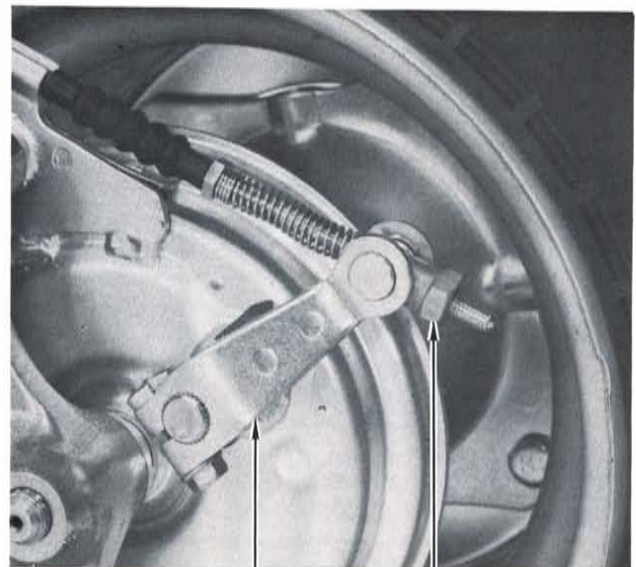
Lock  
Nut  
  
Clutch  
Adjuster

**STEP 41**—Check clutch operation. If adjustment is necessary, use the following procedure. Loosen lock nut and turn clutch adjuster counter-clockwise until resistance is felt, then turn clutch adjuster  $1/8$  turn clockwise and tighten lock nut. Recheck clutch operation.



Front Brake  
Lever

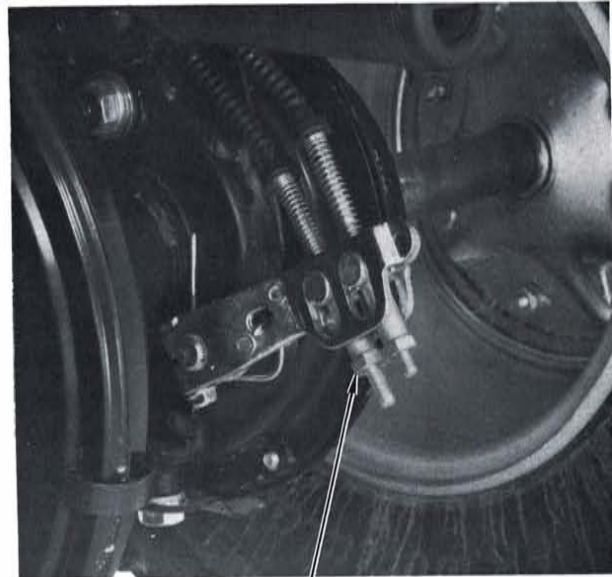
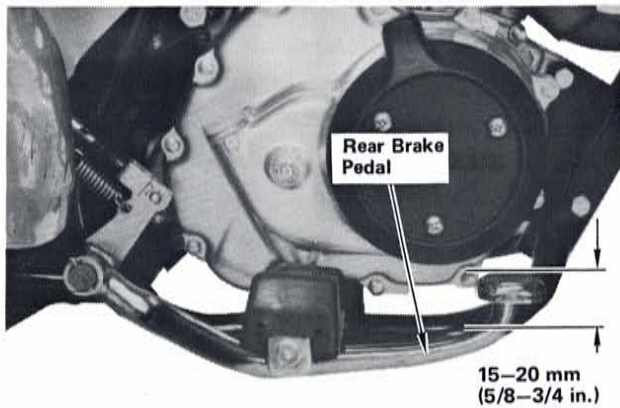
15-20 mm  
(5/8-3/4 in.)



Front Brake  
Arm

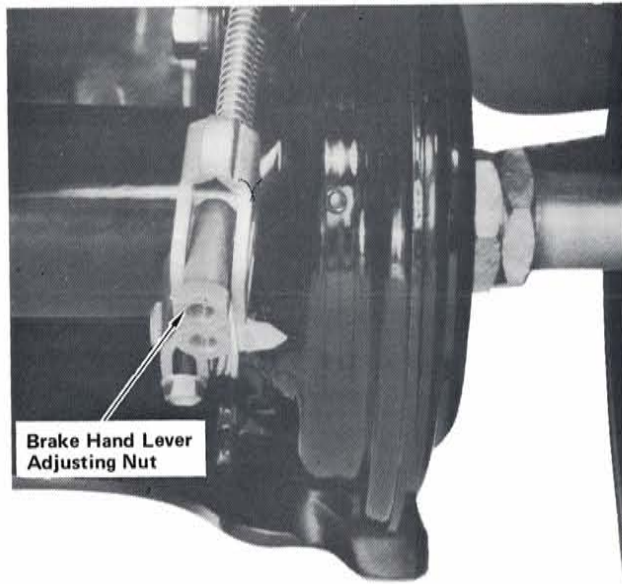
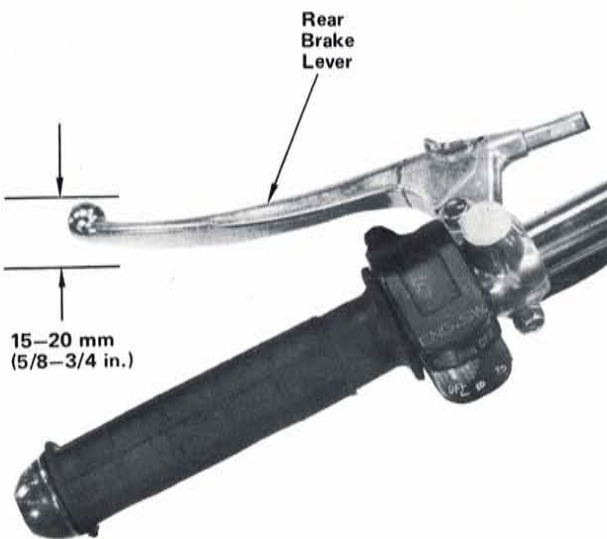
Adjusting  
Nut

**STEP 42**—Raise front wheel off ground using a support block under engine. Spin front wheel by hand and measure free play of front brake lever before brake starts to engage. Free play, measured at tip of brake lever, should be between 15 and 20 mm ( $5/8$ – $3/4$  in.). If adjustment is necessary, turn adjusting nut on front brake arm. Remove support block under engine.



Rear Brake Pedal Adjusting Nut

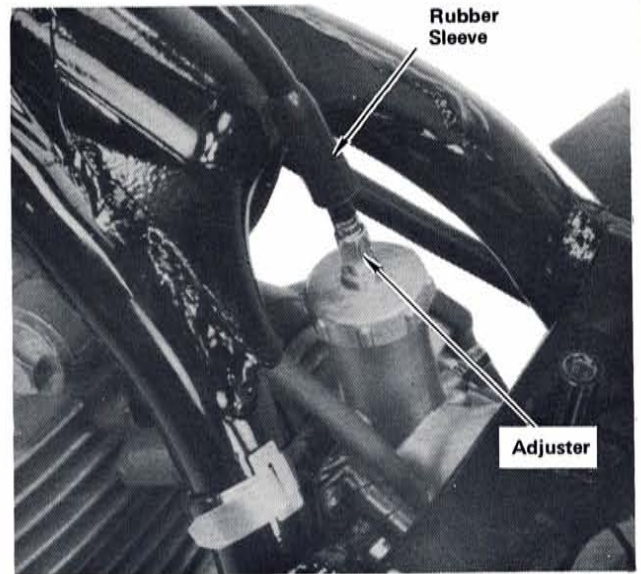
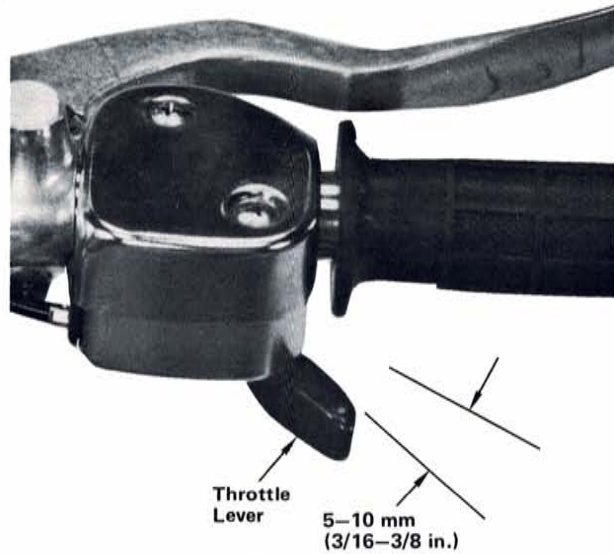
**STEP 43**—Raise rear wheels off ground using a support block under vehicle. Rotate rear wheels by hand and measure free play before brake starts to engage. Free play, measured at tip of brake pedal, should be maintained between 15 and 20 mm (5/8—3/4 in.). To adjust free play, turn adjusting nut. Turning adjusting nut clockwise will decrease free play.



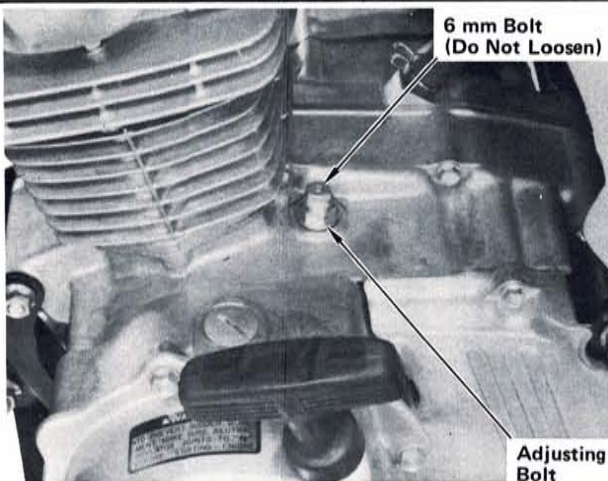
Brake Hand Lever Adjusting Nut

**STEP 44**—Spin rear wheels by hand and measure free play of rear brake lever before brake starts to engage. Free play, measured at tip of brake lever, should be between 15 and 20 mm (5/8—3/4 in.). If adjustment is necessary, turn adjusting nut. Turning adjusting nut clockwise will decrease free play. Remove block from under vehicle.





**STEP 45**—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 rubber sleeve back to expose adjuster on top of carburetor. Turn adjuster as required and slide rubber sleeve back over cable adjuster.

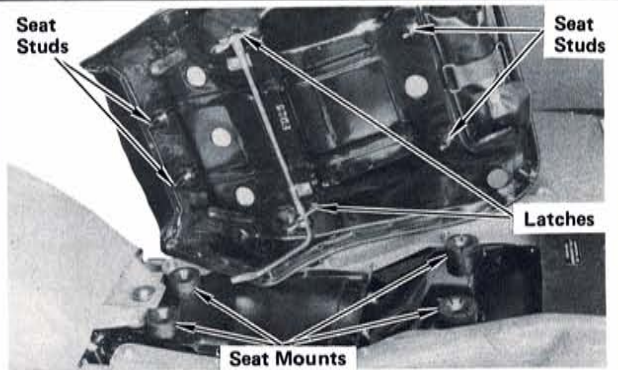


**STEP 46**—Adjust cam chain as follows:

1. Start engine and allow it to idle.
2. Remove rubber cap from tensioner adjusting bolt.
3. Loosen cam chain tensioner adjusting bolt to allow cam chain to automatically adjust itself to correct tension.

*NOTE: Do not loosen the 6 mm bolt.*

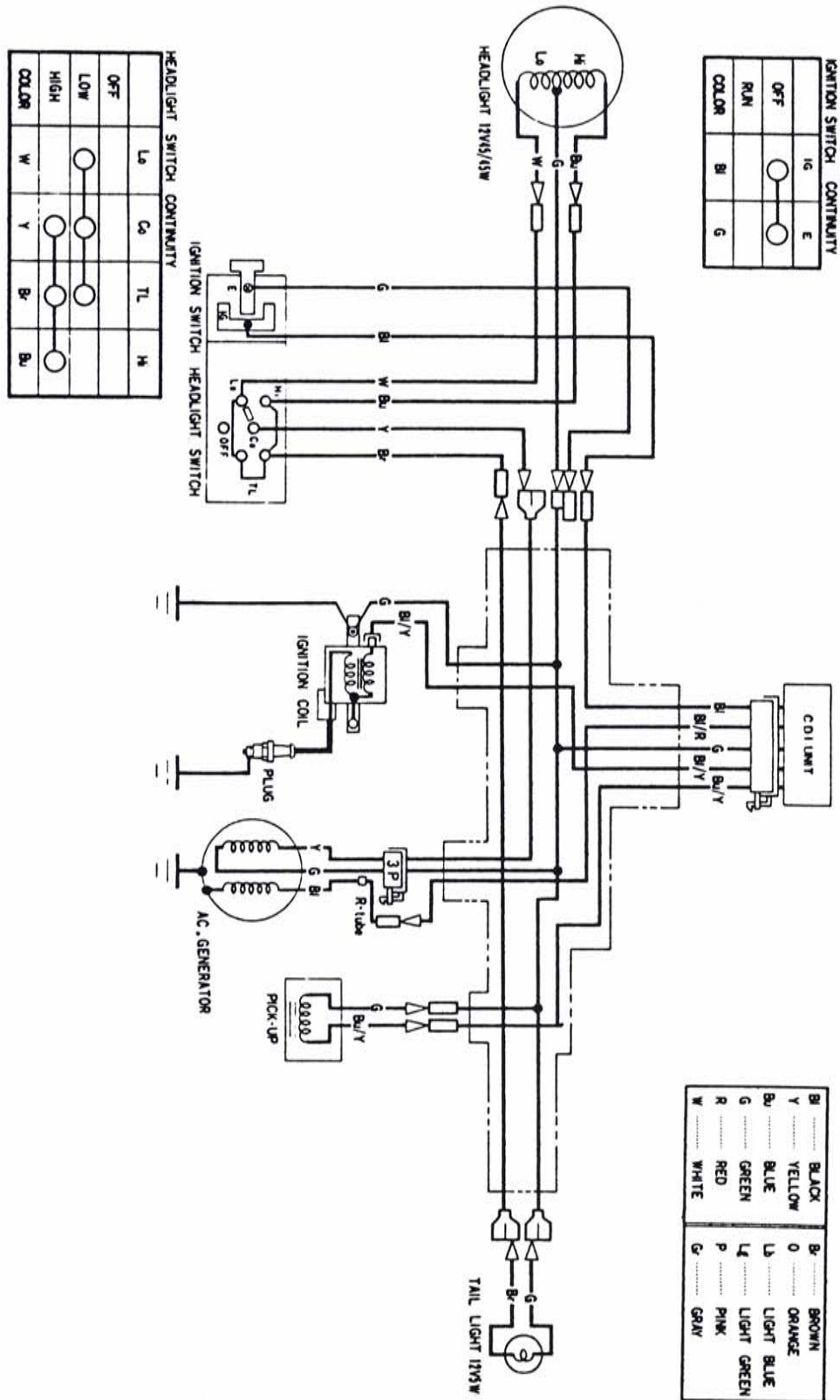
4. Retighten cam chain tensioner adjusting bolt.
5. Reinstall rubber cap over tensioner adjusting bolt.



**STEP 47**—Insert seat studs into holes in seat mounts and engage seat latches.

*NOTE: Check that latches are fully engaged.*

Attach "Easy Start" tag to recoil starter handle as shown.



**TORQUE TABLE**

ITEM	SIZE	TORQUE
Fork bolts	-----	6.0 kg-m (44 lb-ft)
Handlebar upper holder bolts	-----	2.4 kg-m (18 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)
Rear axle nuts	14 mm	7.0 kg-m (51 lb-ft)
Oil drain plug	36 mm	1.2 kg-m (9 lb-ft)
Valve adjuster caps	36 mm	1.2 kg-m (9 lb-ft)
Cam chain tensioner bolt	16 mm	1.8 kg-m (13 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**

- Adjust front and rear brakes, check cable routing and check operation.
- Check oil level. If necessary fill crankcase with recommended oil.
- Remove and inspect fuel tank, drain and flush.
- Check air filter element. Clean and oil if necessary.
- Check valve clearance; adjust if necessary.
- Check operation of decompression system.
- Reinstall fuel tank, fill, turn on petcock and check for leaks.
- Check ignition timing.
- Adjust idle speed.
- Check throttle lever free play, cable routing, and operation in all steering position.
- Adjust cam chain tension.
- Adjust and lubricate drive chain.
- Check tire pressure.
- Inspect electrical components for proper operation and adjustment.
  - Headlight switch.
  - Headlight: Adjust high and low beam aim.
  - Taillight.
  - Engine stop switch.
- Check security of all nuts, bolts, and other fasteners.
- Check to ensure that all applicable recall and product update campaigns are complied with.
- TEST RIDE:** Check performance, handling, and operation.
  - 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.
  - Upon completion of test ride, check for fuel and oil leaks.

## LOOSE PARTS

The following is a list of items contained in the parts package carton and loose parts in the crate:

PART NAME	QTY	H/C	PART NUMBER
Front wheel assembly	1	-----	-----
Front axle	1	084232	44301-958-000
Front axle collar	1	084233	44312-958-000
Right front fork assembly	1	127430	51400-958-003ZA
Left front fork assembly	1	127437	51500-958-003ZA
10 x 35 mm flange bolt	4	129918	90118-958-000
Front fender	1	129915	61100-958-020ZA
Front fender mud flap	1	-----	61111-958-000
6 x 7 mm special nut	3	-----	61104-444-003
Special nut	4	076394	61104-444-000
6 x 7 mm special screw	3	081065	90102-673-003
6 x 16 mm flange bolt	4	-----	92600-06016-0H
Handle cover	1	127474	53205-958-003
Handle cover mark	1	127476	53206-958-003
6 x 20 mm screw/washer	—	-----	93892-06020
Front brake spring	1	027105	95014-73100
Front brake arm joint B	1	040094	95015-32001
Front brake adjusting nut	1	025776	95015-42000
Rear wheel assembly	2	-----	-----
Rear axle nut	2	023402	94011-14000-0S
Rear axle plain washer	2	107432	42322-950-000
Cotter pin 3 x 25 mm	2	005842	94201-30250
Left rear fender	1	129917	80100-958-671ZA
Right rear fender	1	-----	80150-958-010
Rear fender collar	12	084361	84706-415-000
6 x 16 mm screw/washer	2	063474	93892-06016-08
6 x 16 mm bolt/washer	10	073758	93492-06016-08
Rear mud guard	2	084295	80111-958-000
Rear fender plat	2	094299	80112-958-010
Rear fender side plat	2	094300	80113-958-010
Front fender mud guard rubber	4	068067	61103-430-000
5 x 8 mm screw	8	094301	90105-958-010
5 mm flange nut	8	061267	94050-05080
Rear carry pipe	1	084311	81200-958-000
8 x 16 mm bolt/washer	6	067490	93493-08016-08
Rear fender stay	2	084305	80121-958-000
Rear fender washer holding grommet	2	084364	38565-671-000
Tool box assembly	1	084306	80210-958-000
Seat assembly	1	084268	77100-958-003
Owner's manual	1	129925	31958600



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