

Set-up Instructions

JUL. 23 1981

1981, 1982 Models ATC 200



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

COPY

WARNING

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 motorcycle. When a customer takes delivery of his brand new motorcycle, 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 motorcycle. 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.

THIS ISSUE OF THE ATC200 SET-UP INSTRUCTIONS REPLACES THE 1981 MODEL ATC200 SET-UP INSTRUCTIONS DATED 7/80. REMOVE AND DESTROY SUPERSEDED SET-UP INSTRUCTIONS.

1982 MODEL SHOWN; 1981 MODEL SIMILAR



NOTES:

- All steps apply to 1981 and 1982 Models unless otherwise noted.
- Right and left are determined from the rider's view.

Date of Issue: 7/81

SET-UP INSTRUCTION REVISED PAGES

Pages Affected

Orig. Issue Date

Rev. Date

1 through 25

7/81

Original

Remove and destroy superseded pages.

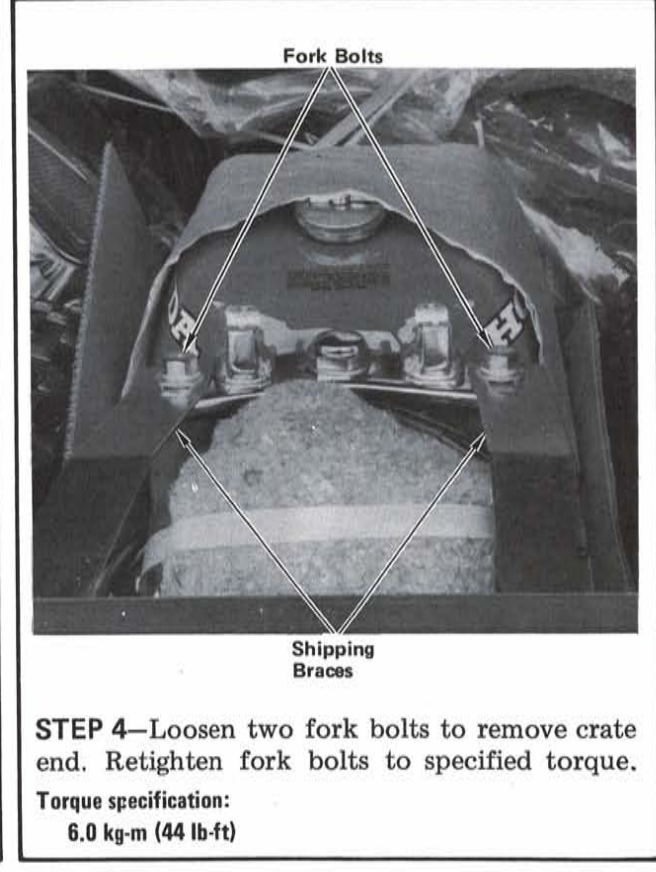
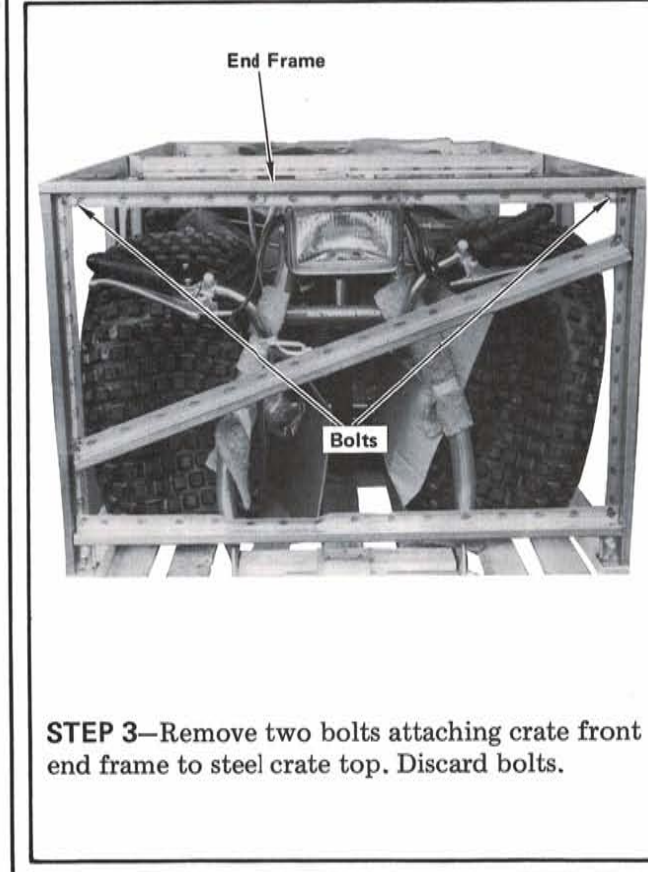
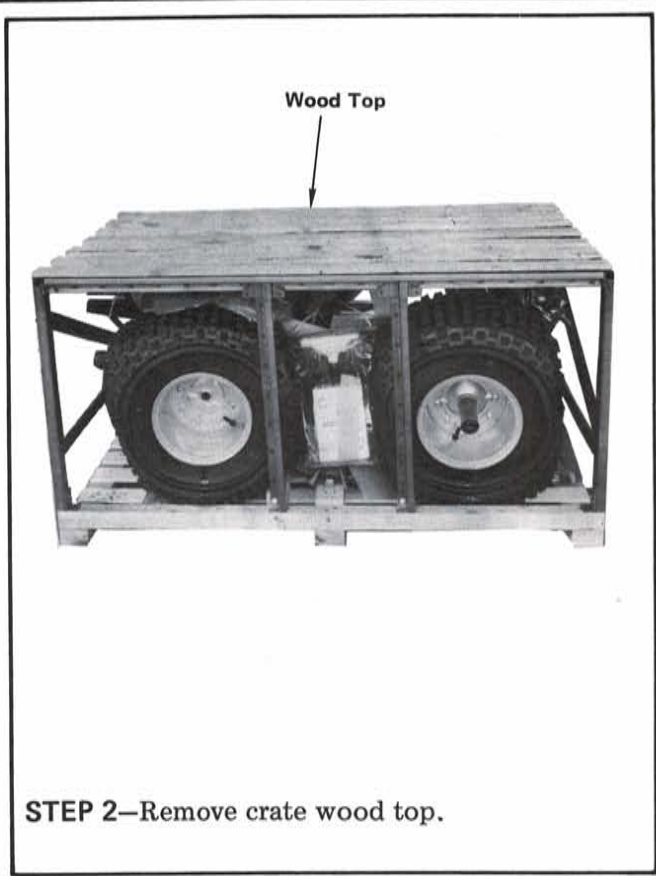
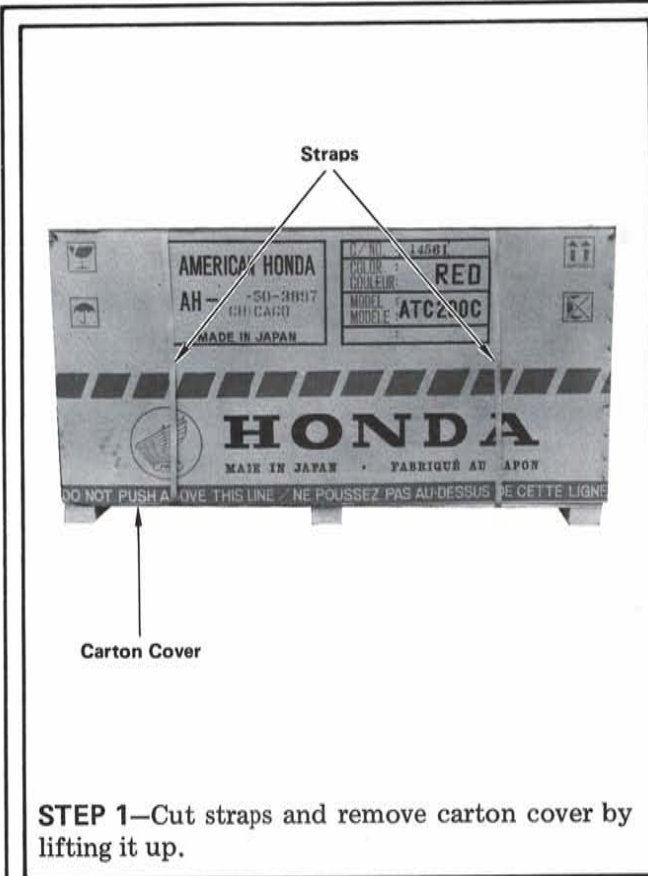
Pay special attention to warnings, cautions, and notes.

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

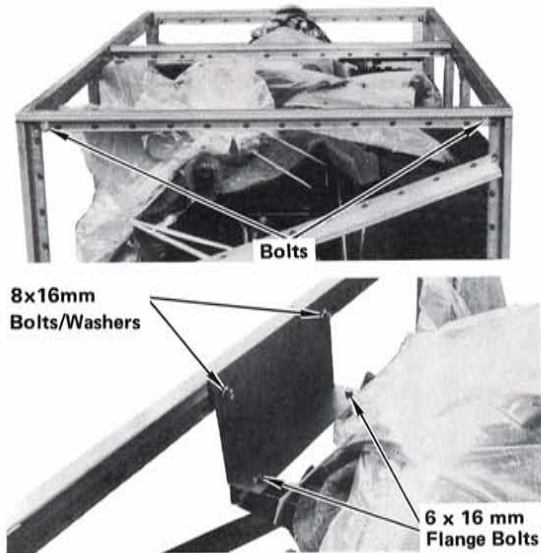
CAUTION: means hazards or unsafe practices which could cause minor personal injury or product or property damage.

NOTE: gives helpful information.

7/81



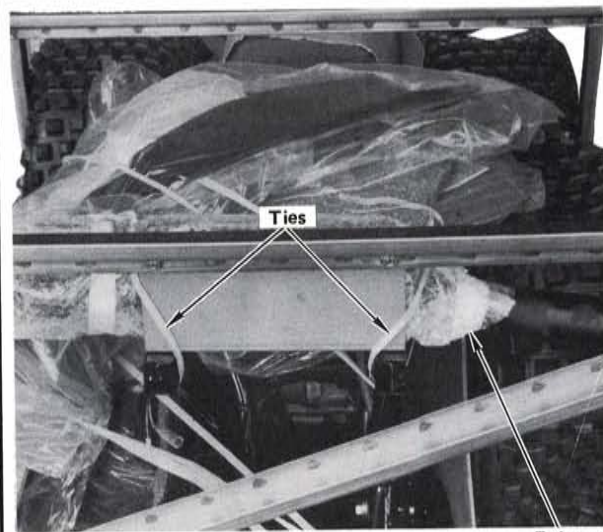
1981 MODEL ONLY



LATER CRATES

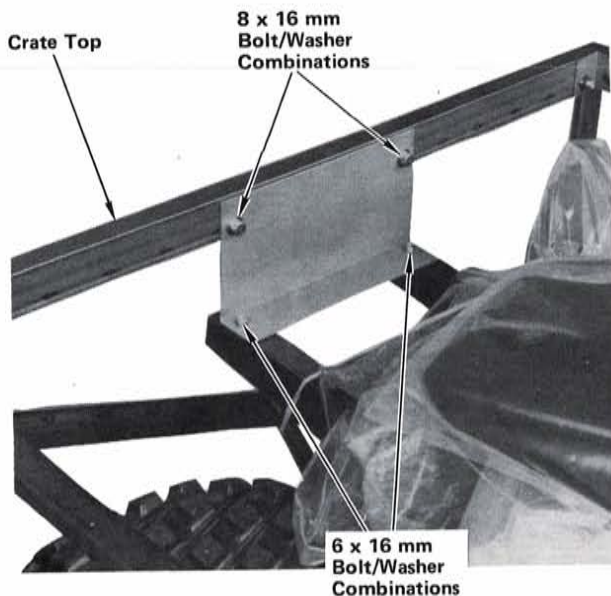
STEP 5—Remove two bolts attaching crate rear end frame to steel crate top. Discard bolts. Remove and retain two 6 x 16 mm flange bolts and two 8 x 16 mm bolt/washer combinations attaching shipping bracket. Discard metal crate top.

1982 MODEL ONLY



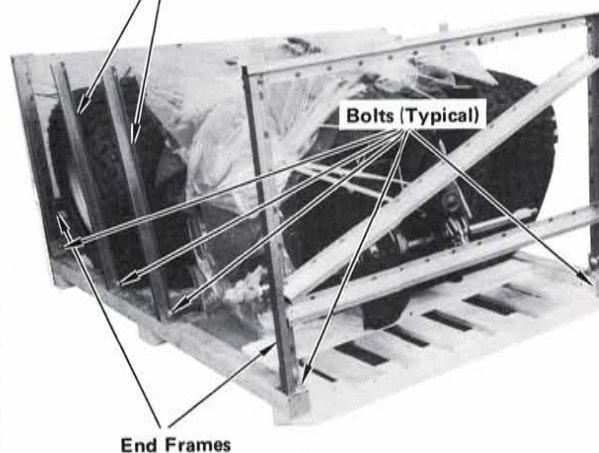
STEP 6—Remove ties holding exhaust muffler to frame.

1982 MODEL ONLY

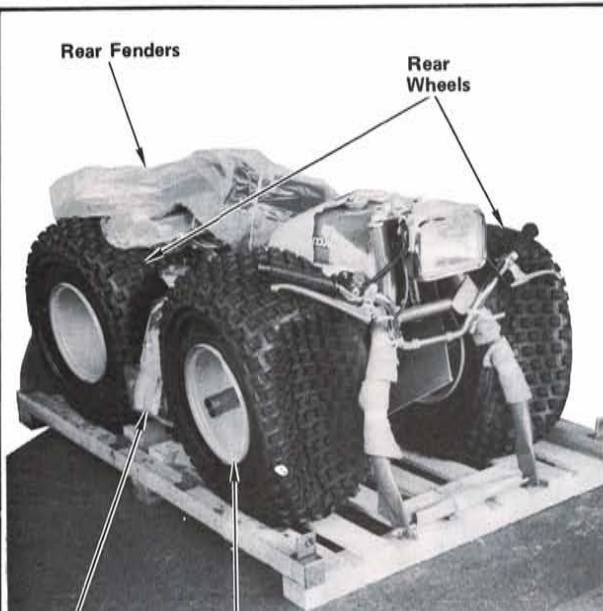


STEP 7—Remove and retain two 6 x 16 mm and two 8 x 16 mm bolt/washer combinations attaching rear shipping bracket. Discard metal crate top.

Center Braces (Typical)

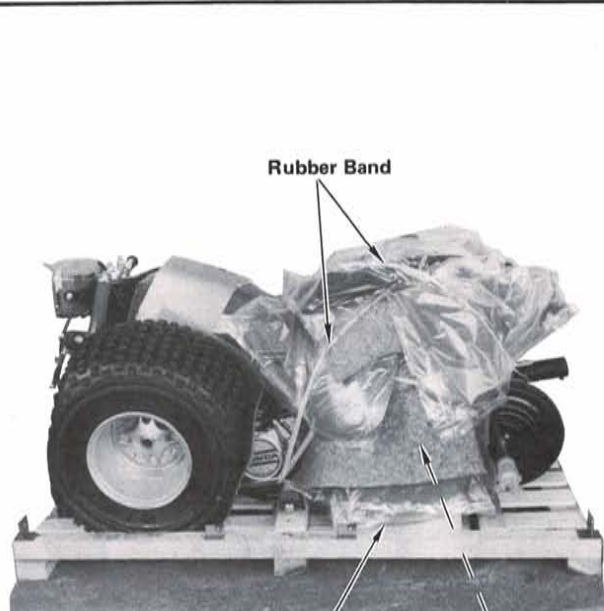


STEP 8—Remove bolts attaching crate end frames and center braces to crate base. Discard end frames, center braces, and bolts.



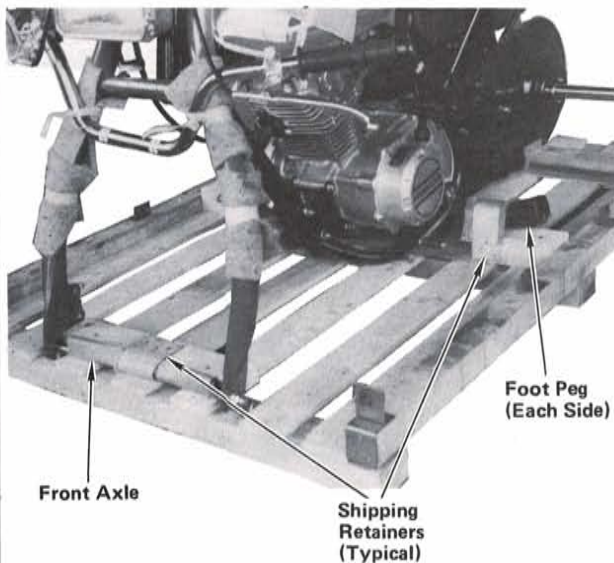
Tool Box Etc. Front Wheel

STEP 9—Remove front wheel, rear wheels, rear fenders, rear fender flaps, mud flap backing plates, rear fender braces, tool box, and carrying handle.

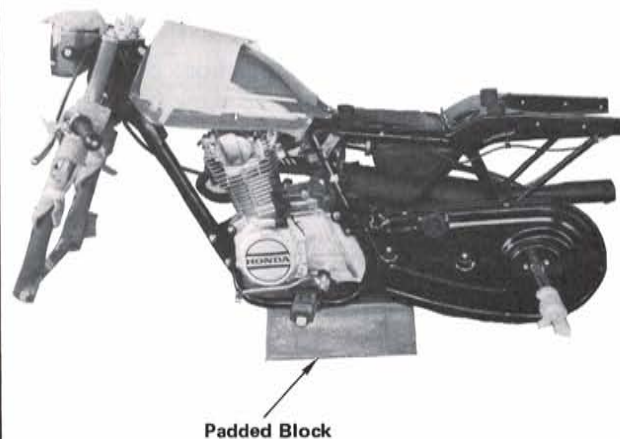


Front Fender Seat

STEP 10—Remove rubber bands and remove front fender and seat.



STEP 11—Remove nails and remove lower shipping retainers holding front axle and foot pegs to 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.

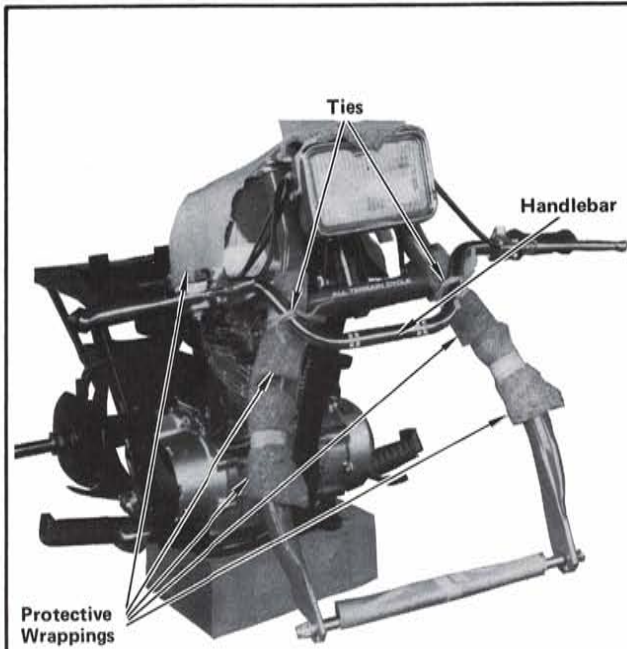
Damaged or Missing Parts

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

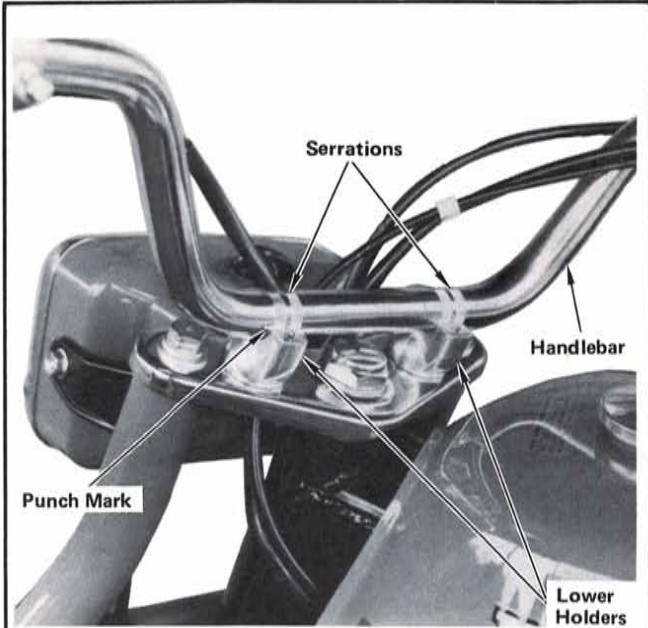
It is necessary to differentiate between parts lost or damaged in transit, and parts left out by the factory.

- 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.

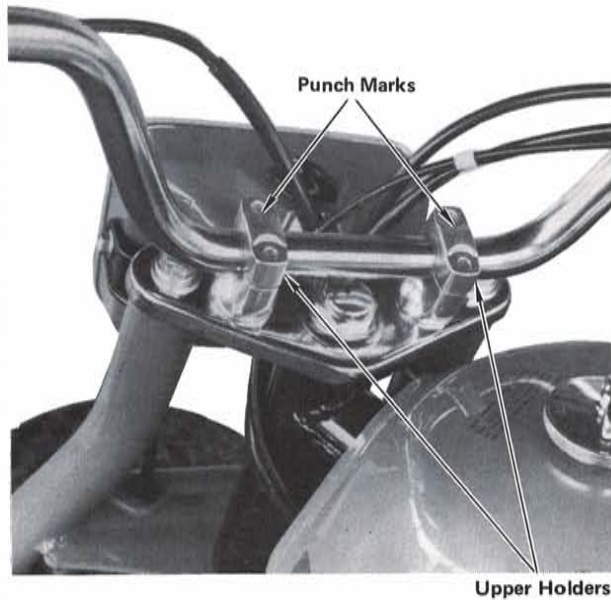
Refer to the Warranty Policy and Procedures Manual (SO 945) under **Shipping Damage and Crate Shortage** for further information.



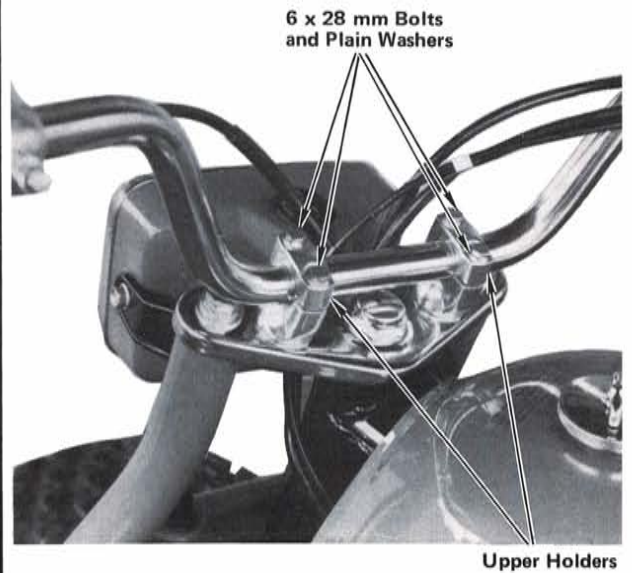
STEP 14—Remove ties holding handlebar to front forks. Remove all protective wrappings from front forks, front axle, headlight, and fuel tank.



STEP 15—Position handlebar on lower holders with serrations aligned with holders and punch mark on handlebar aligned with top of holders.

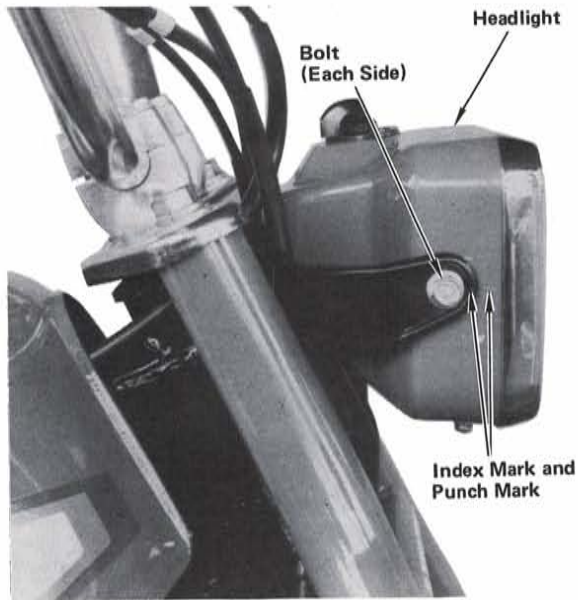


STEP 16—Position upper holders on handlebar with punch marks on holders forward.

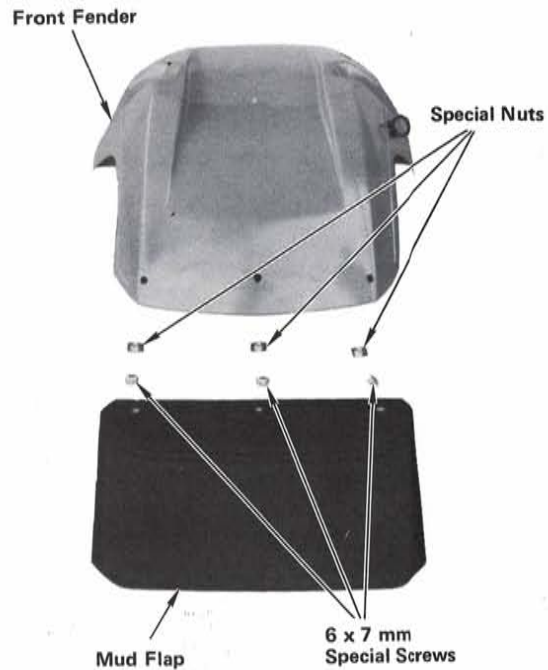


STEP 17—Install upper holders using four 6 x 28 mm bolts and plain washers. Tighten forward bolts to specified torque first, then tighten rear bolts to same torque.

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



STEP 18—Loosen two headlight bolts and align index marks on headlight case with punch marks on headlight brackets. Tighten headlight bolts securely.

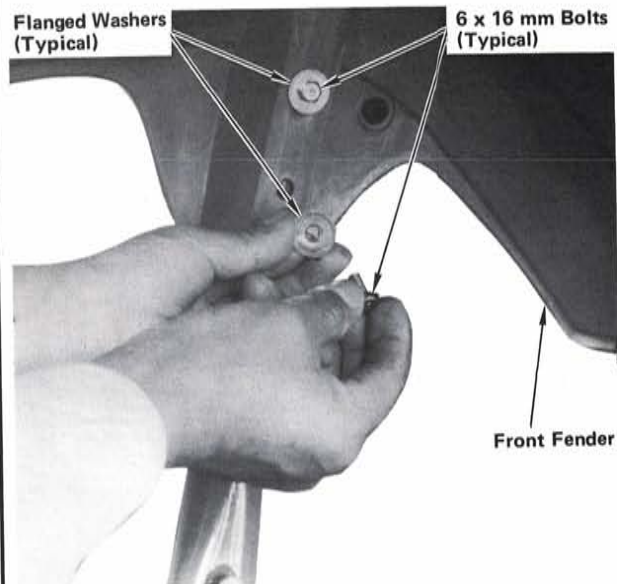


STEP 19—Check front fender mud flap and attaching hardware.



STEP 20—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 direction of special nuts.



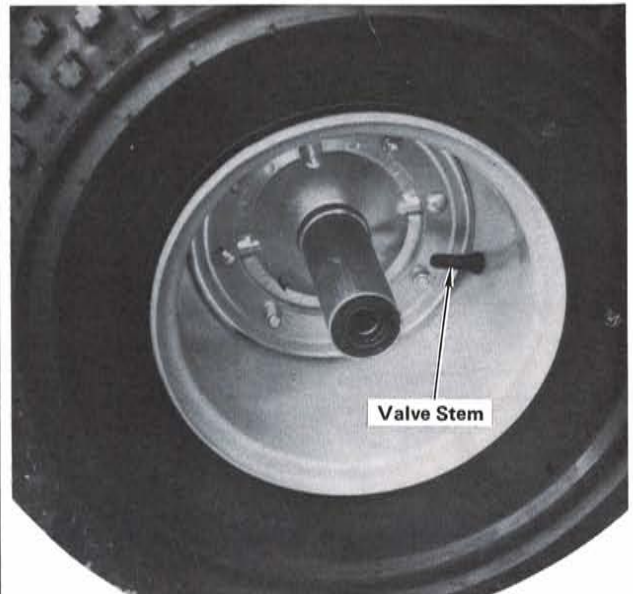
STEP 21—Position front fender between fork legs with mud flap towards the rear, and install using four 6 x 16 mm bolts and flanged washers as shown. Tighten bolts to specified torque.

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

Protective Wrapping
Rubber Band



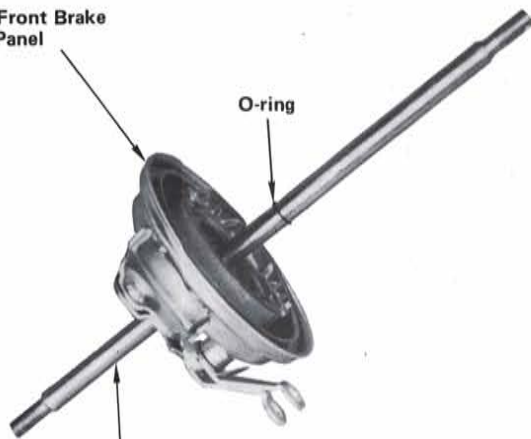
STEP 22—Remove rubber band and remove protective wrapping from front brake. Remove front brake and check that brake linings and brake drum are clean. Check that grease seal is full of grease. If necessary, wipe brake drum with a clean cloth.



STEP 23—Inflate and check tire pressure of all three tires.

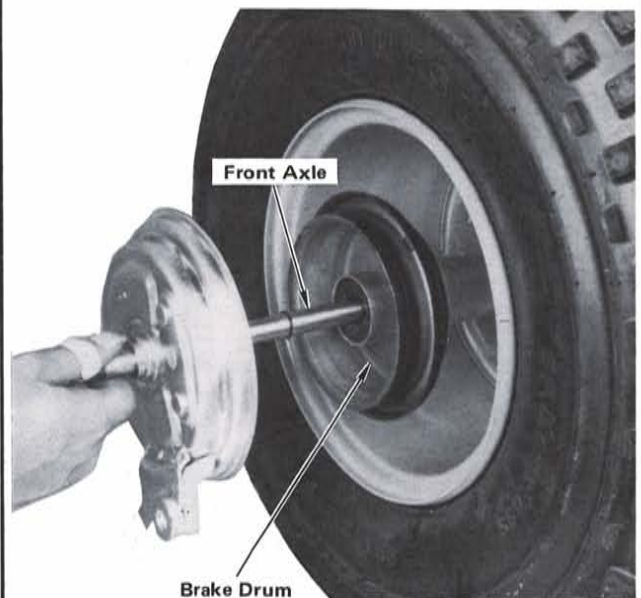
Tire pressure: 2.2 psi.

Front Brake Panel

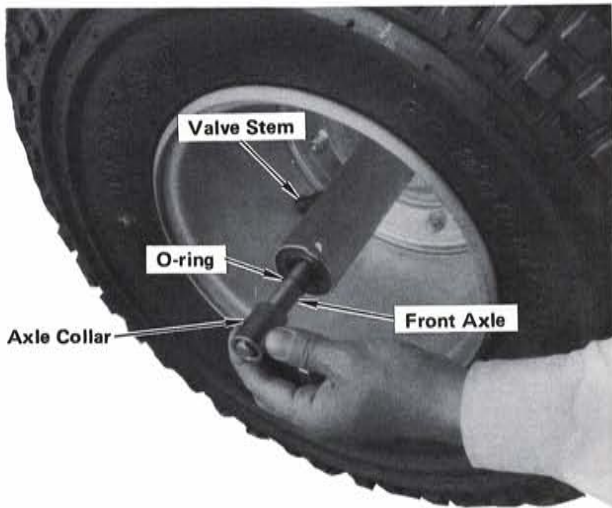


Front Axle

STEP 24—Slide front axle through front brake panel and slip an O-ring over axle from brake shoe side as shown.

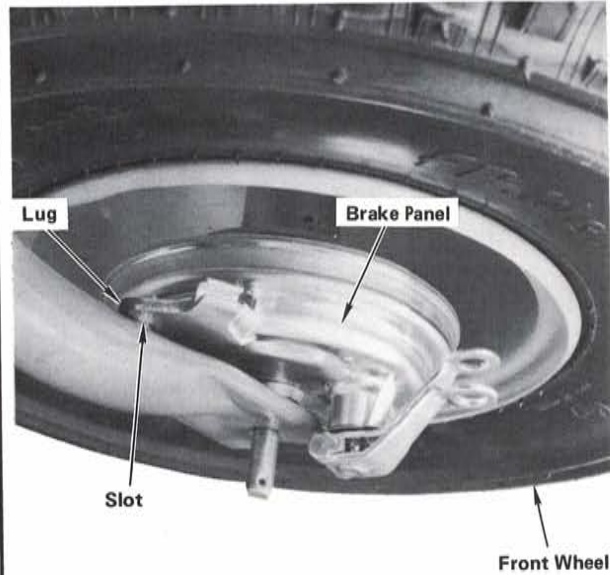


STEP 25—Insert front axle through front wheel hub from brake drum side as shown.



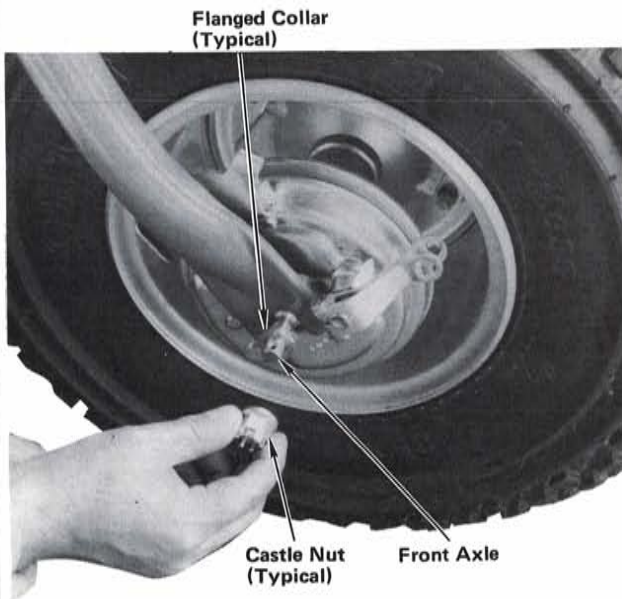
STEP 26—Slip an O-ring and axle collar over front axle from valve stem side as shown.

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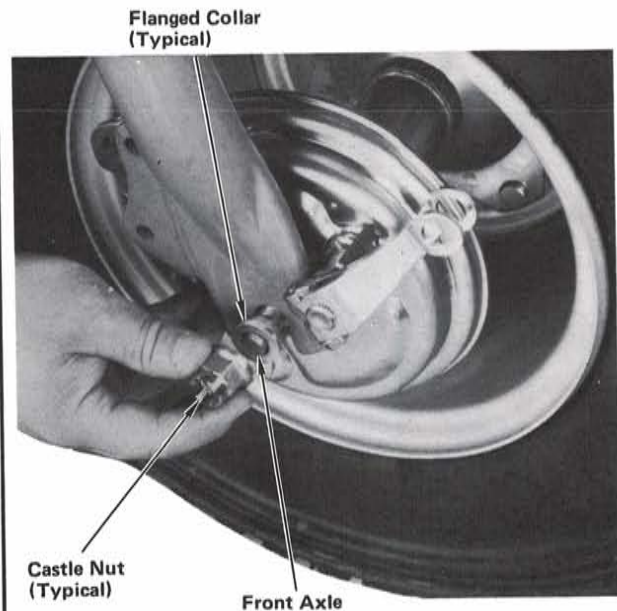
STEP 27—Position front wheel between front fork legs, aligning lug on right fork leg with slot in stopper plate on brake panel.

1982 MODEL ONLY



STEP 28—Install a flanged collar and castle nut on each end of front axle. Do not tighten nuts at this time.

1981 MODEL ONLY



STEP 29—Position front wheel between fork legs, with brake panel on right. Install a flanged collar and castle nut on each end of front axle. Do not tighten nuts at this time.

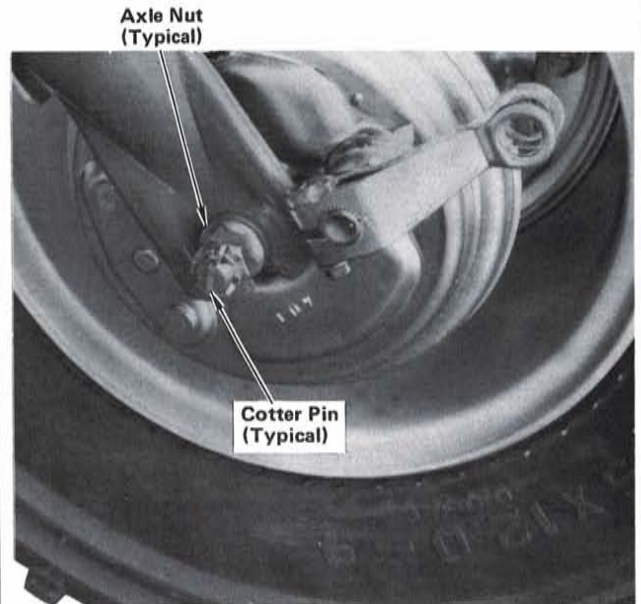
1981 MODEL ONLY



8 x 25 mm Bolt,
Collar and Flange
Nut, Cotter Pin

Brake Panel

STEP 30—Attach front brake panel to right fork leg using an 8 mm bolt, collar, flange nut, and cotter pin, with collar between brake panel and fork leg. Tighten securely. Nut is on outside. Spread ends of cotter pin as shown.

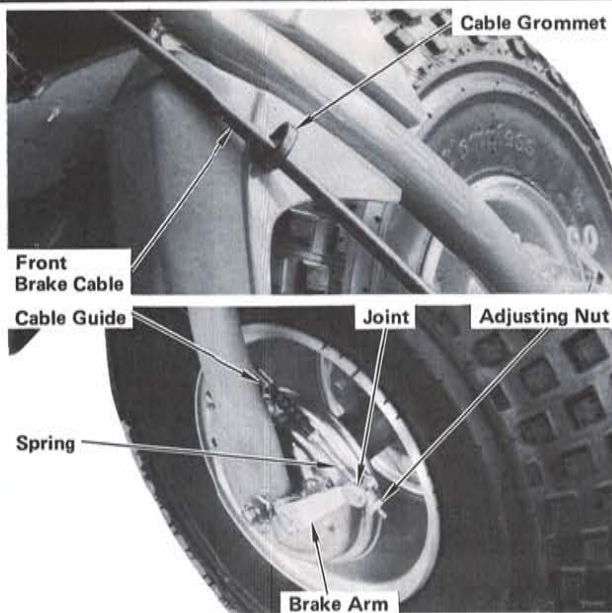


Axle Nut
(Typical)

Cotter Pin
(Typical)

STEP 31—Tighten both axle nuts equally to specified torque. Install a cotter pin in each and spread ends of cotter pins as shown.

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



Cable Grommet

Front
Brake Cable

Cable Guide

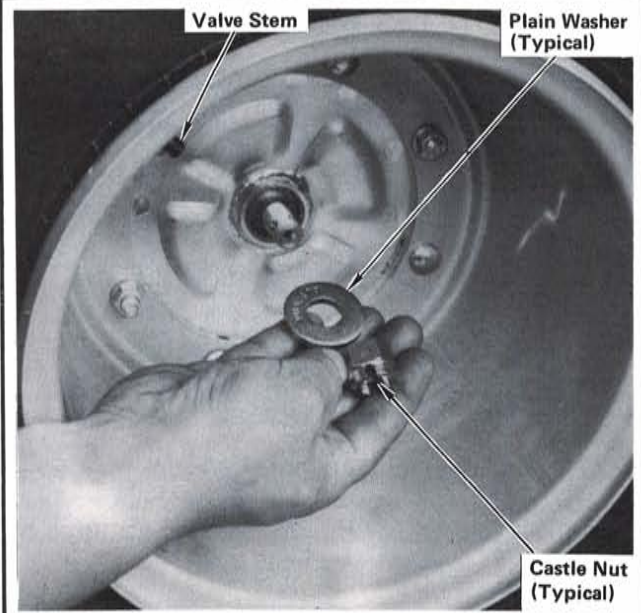
Joint

Adjusting Nut

Spring

Brake Arm

STEP 32—Route front brake cable down through cable grommet on front fender, and 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 55.

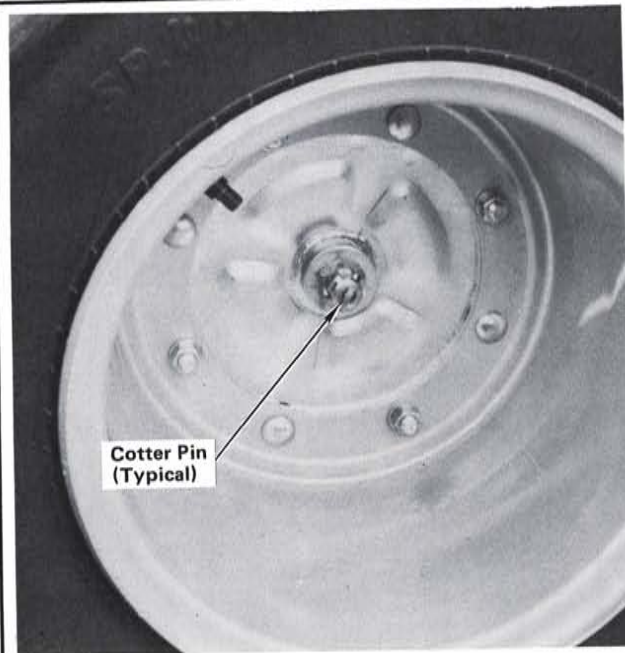


Valve Stem

Plain Washer
(Typical)

Castle Nut
(Typical)

STEP 33—Grease rear axle splines and install rear wheels, with valve stems to the outside, using a plain washer and castle nut for each.

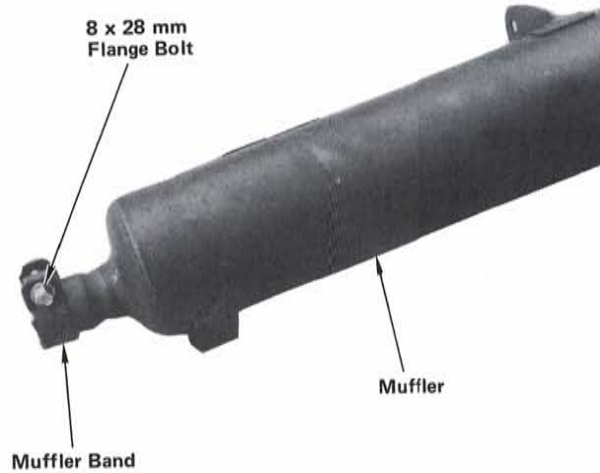


Cotter Pin (Typical)

STEP 34—Tighten both axle 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)

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8 x 28 mm Flange Bolt

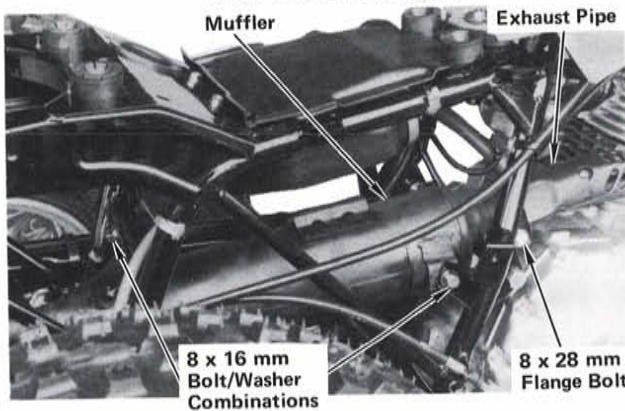
Muffler

Muffler Band

STEP 35—Loosen 8 x 28 mm flange bolt attaching muffler band.

NOTE: Check that tabs of muffler band are aligned with slots in exhaust pipe.

1982 MODEL ONLY



Muffler

Exhaust Pipe

8 x 16 mm Bolt/Washer Combinations

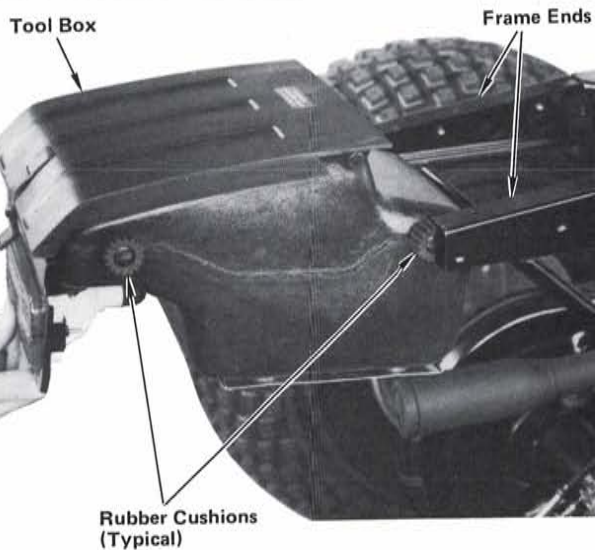
8 x 28 mm Flange Bolt

STEP 36—Slide muffler onto exhaust pipe and install muffler using two 8 x 16 mm bolt/washer combinations where shown. Tighten all three 8 mm bolts to specified torques.

Torque specifications:
8 x 28 mm bolt: 0.4 kg-m (3 lb-ft)
8 x 16 mm bolts: 2.2 kg-m (16 lb-ft)

CAUTION: Do not overtighten 8 x 28 mm bolt on muffler band.

NOTE: It may be necessary to loosen 6 mm nuts attaching exhaust pipe to facilitate installation of 8 x 16 mm bolt/washer combinations.

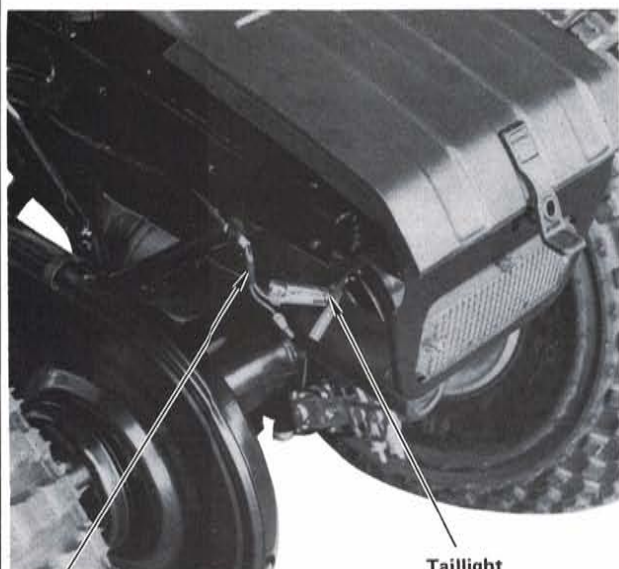


Tool Box

Frame Ends

Rubber Cushions (Typical)

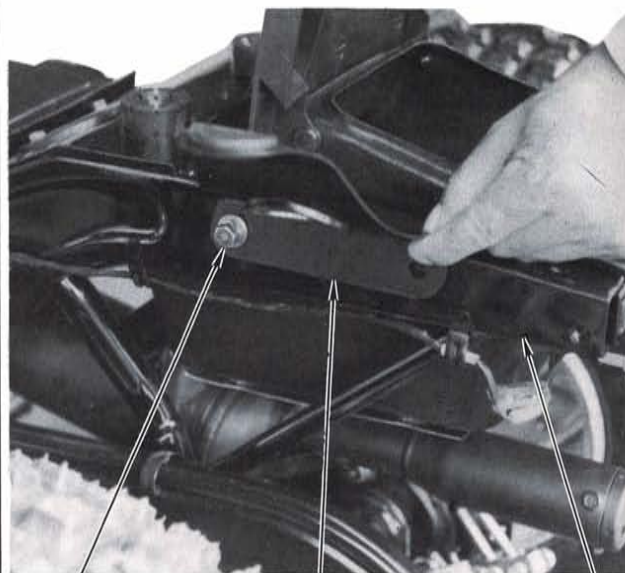
STEP 37—Position tool box between rear frame ends as shown and slide it forward all the way.



Wire Harness

Taillight Wires

STEP 38—Connect taillight wires to wire harness color-to-color.

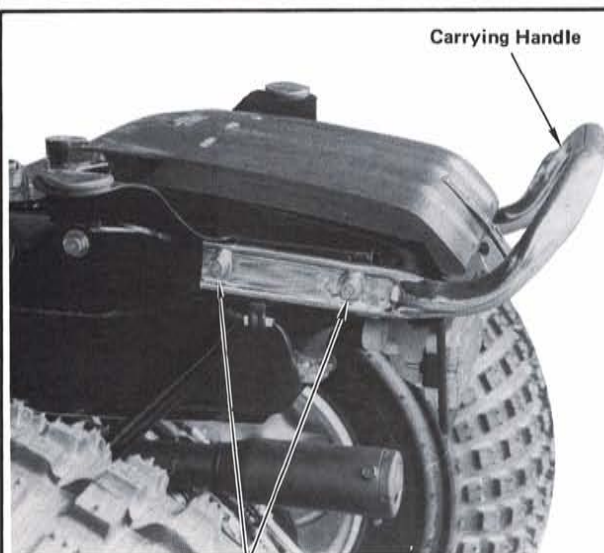


8 x 16 mm Bolt/Plain Washer (Each Side)

Fender Brace (Each Side)

Frame

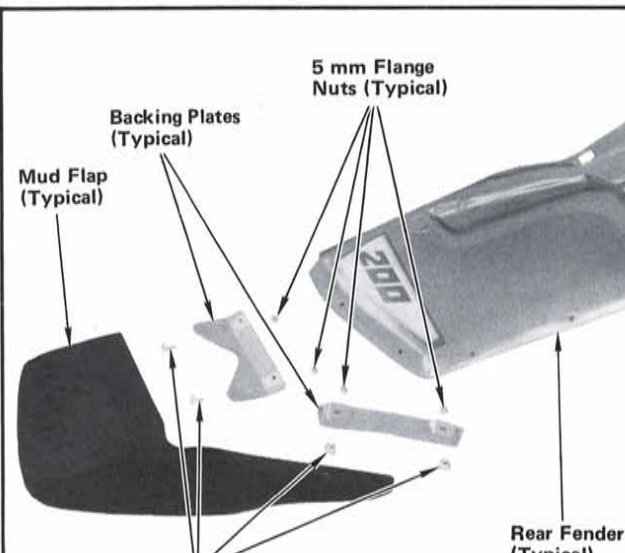
STEP 39—Position right and left fender braces on frame as shown and install using an 8 x 16 mm bolt/plain washer through forward hole of each.



Carrying Handle

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

STEP 40—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 39.)



Mud Flap (Typical)

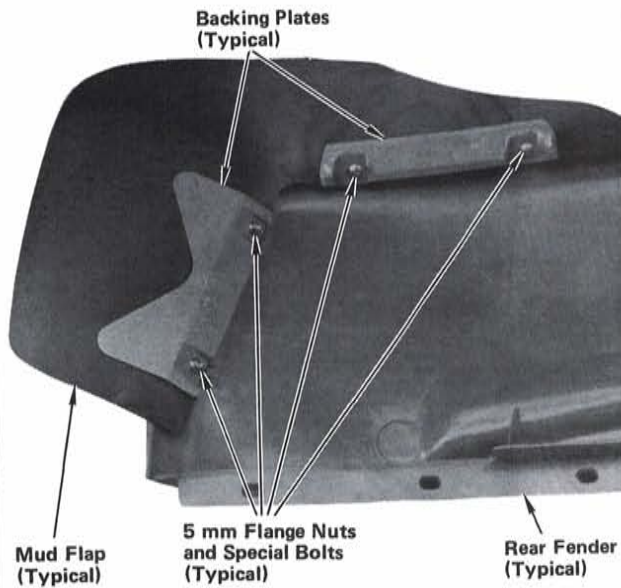
Backing Plates (Typical)

5 mm Flange Nuts (Typical)

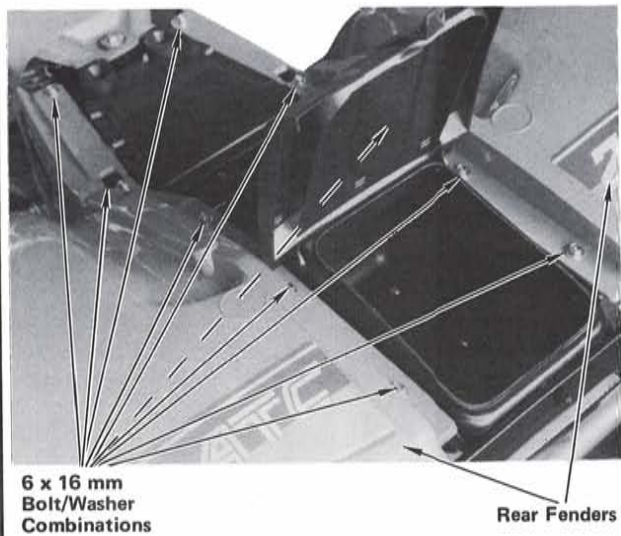
5 mm Special Bolts (Typical)

Rear Fender (Typical)

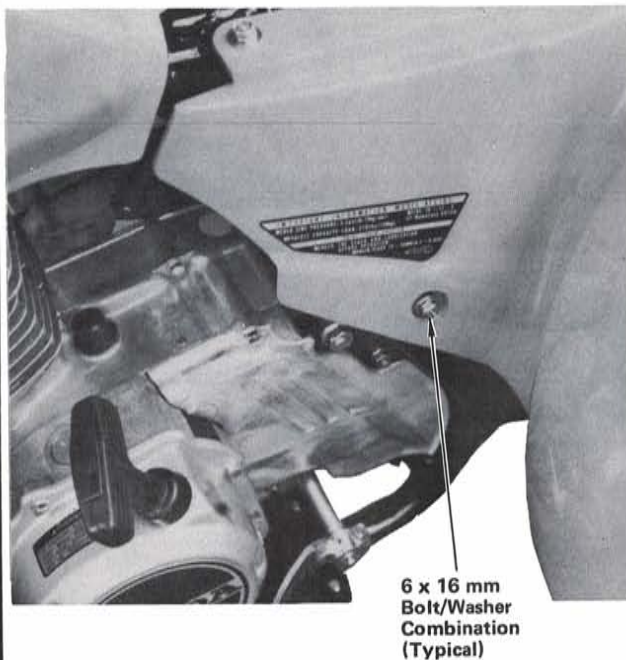
STEP 41—Check rear fenders, mud flaps, and attaching hardware.



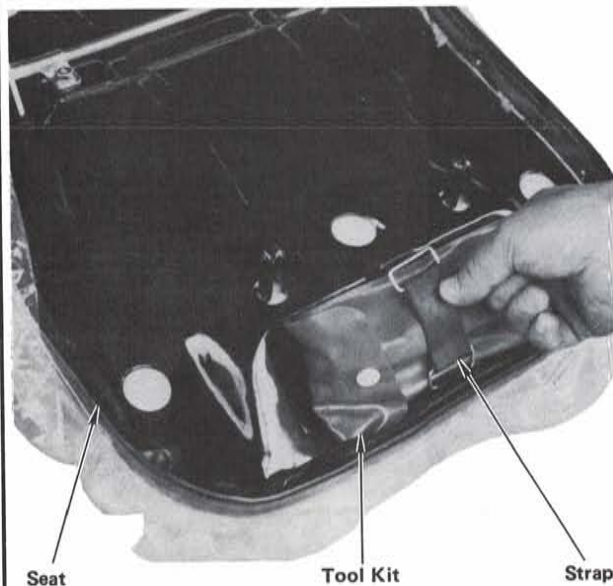
STEP 42—Position rear mud flap under rear fender and install using four 5 mm special bolts inserted down through fender, and two backing plates and four flange nuts under fender as shown. Repeat for other fender. Tighten all screws securely.



STEP 43—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.

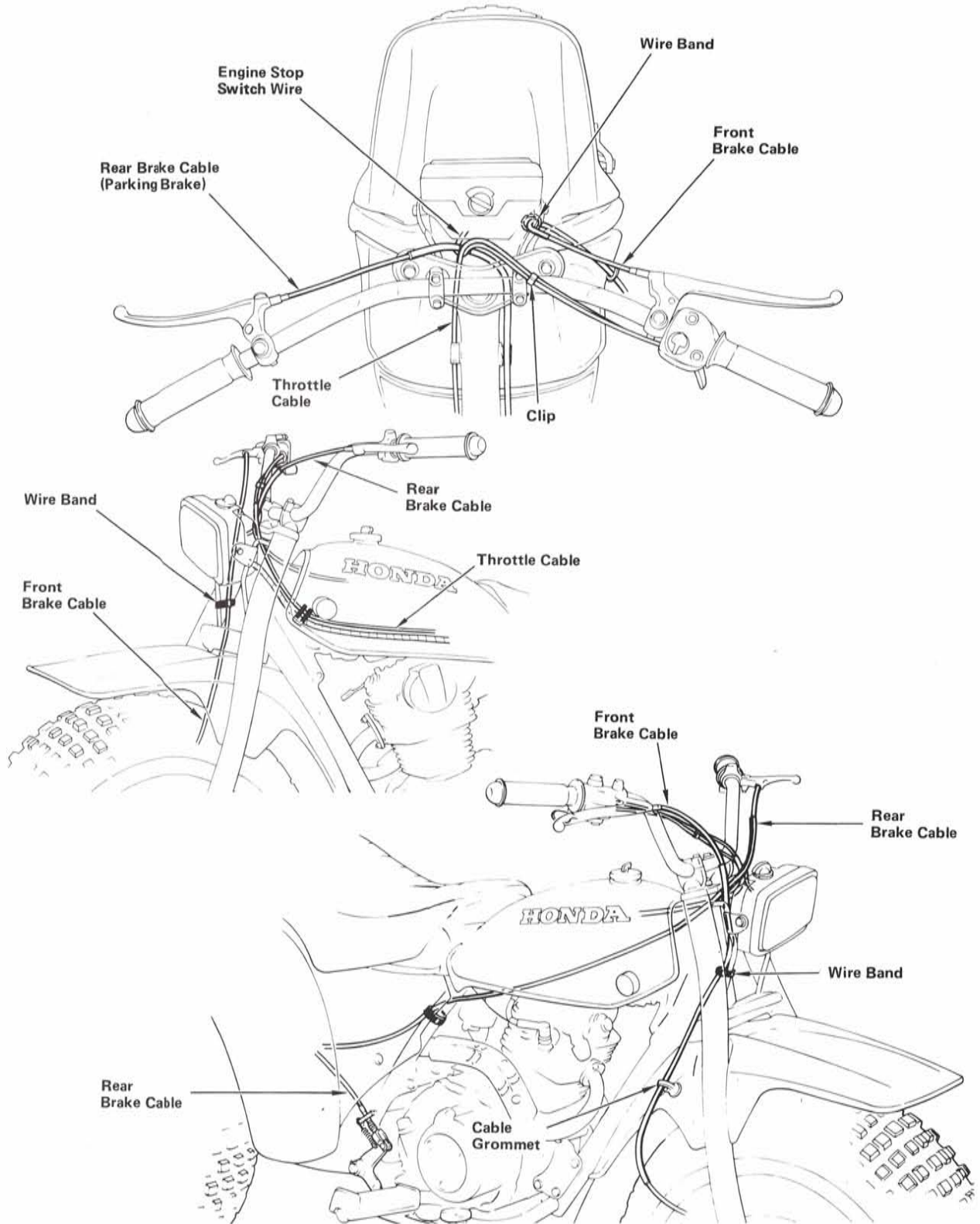


STEP 44—Attach front lower portion of each fender to frame using a 6 x 16 mm bolt/washer combination. Tighten all 12 6 mm fender bolts securely. (Those installed in Steps 43 and 44.)



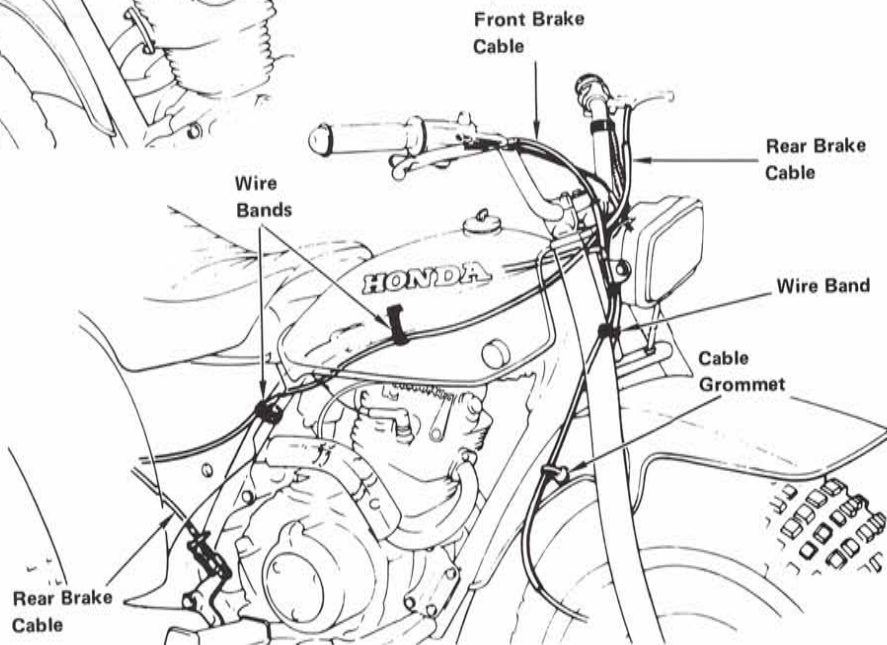
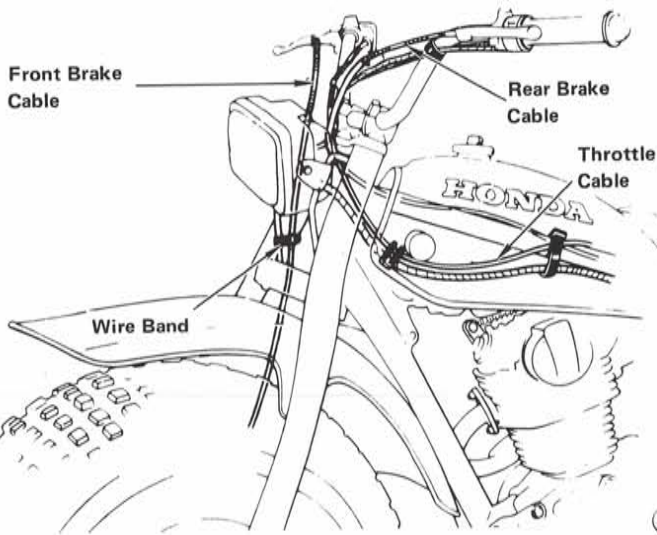
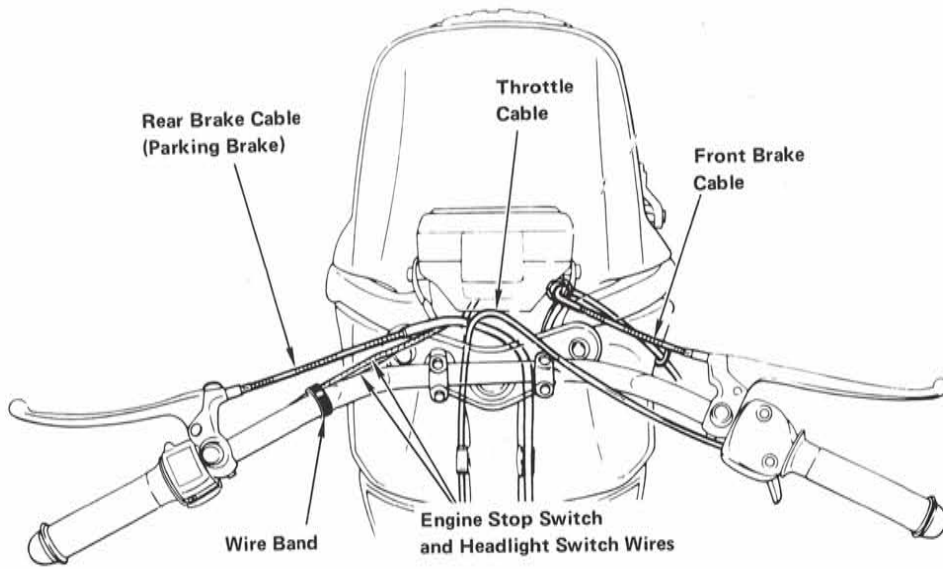
STEP 45—Place tool kit in tool compartment under seat and secure with strap as shown.

1981 MODEL ONLY

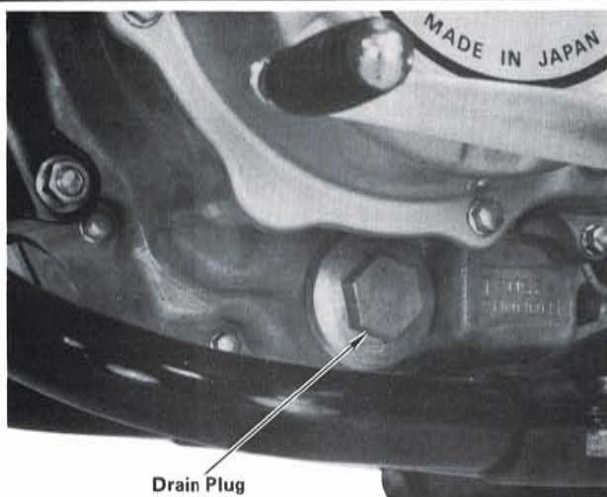


STEP 46—Check routing of front and rear brake cables, throttle cable, engine stop switch wire, and headlight switch wire as shown.

1982 MODEL ONLY



STEP 46—(Continued)



Drain Plug

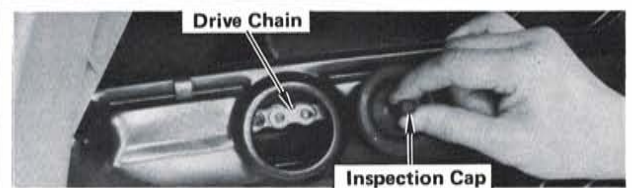
STEP 47—Remove crankcase drain plug and drain engine oil. Reinstall and tighten drain plug to specified torque.

NOTE: Not required if less than 4 months have elapsed since date of manufacture shown on identification plate on steering head.

Refill crankcase with recommended oil as described in owner's manual.

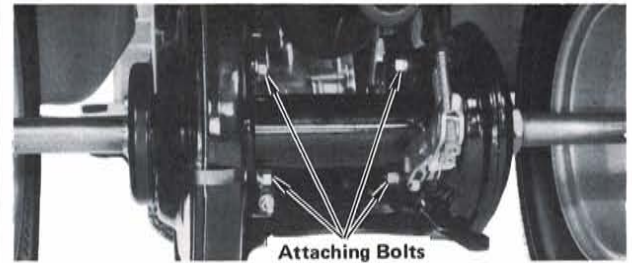
Torque specification:

1.2 kg-m (9 lb-ft)



Drive Chain

Inspection Cap



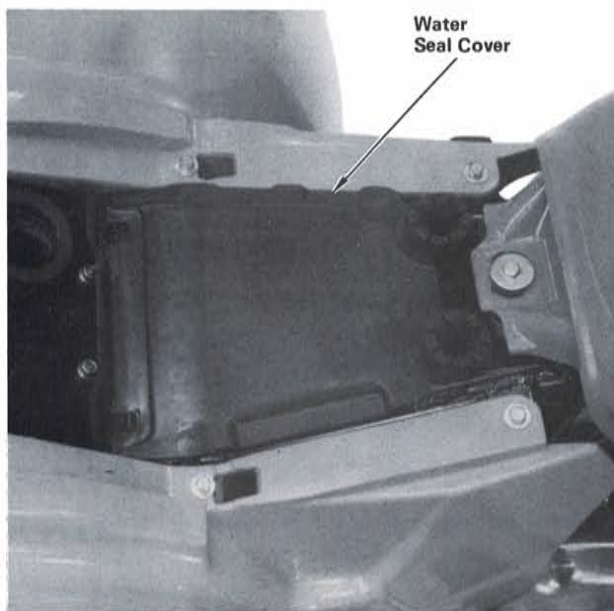
Attaching Bolts



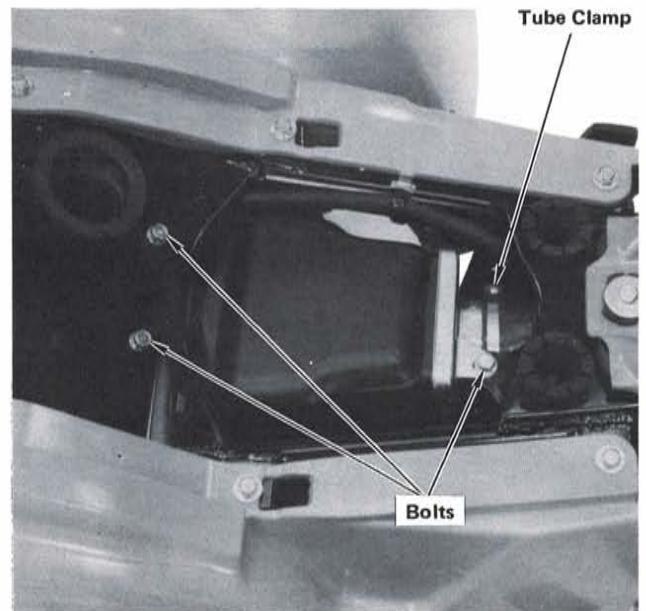
Adjusting Nut

STEP 48—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.)



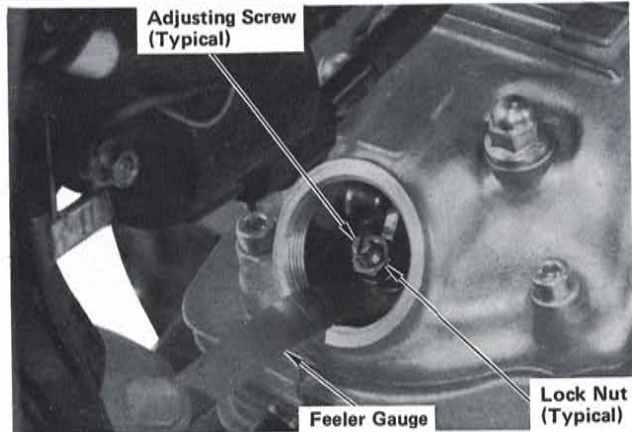
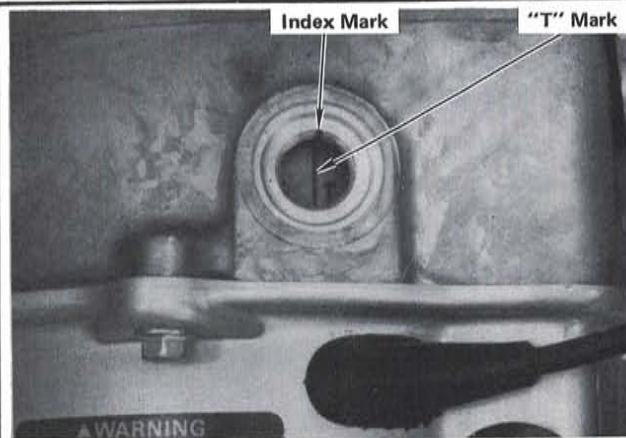
Water Seal Cover



Tube Clamp

Bolts

STEP 49—Remove water seal cover by lifting front end up. Remove three bolts attaching air cleaner case and remove air cleaner tube clamp. Remove air cleaner assembly from frame and filter element from its core. Check condition of element. If necessary, clean and oil element as described in owner's manual or shop manual. Reinstall element, air cleaner tube clamp, air cleaner case, and water seal cover.

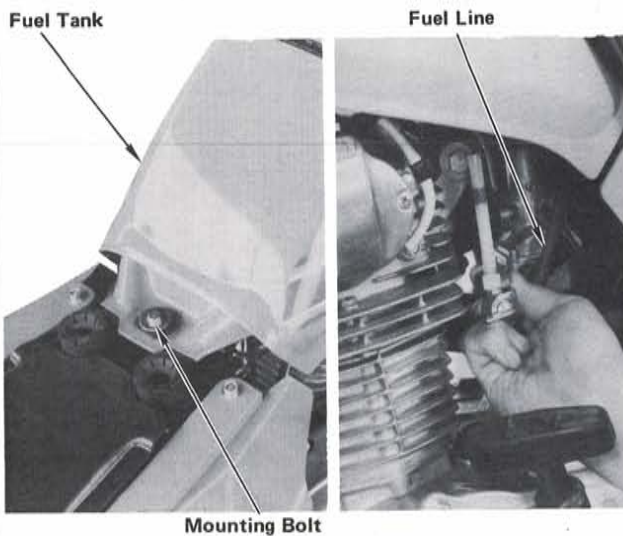


STEP 50—Check valve clearance and adjust if necessary as follows:

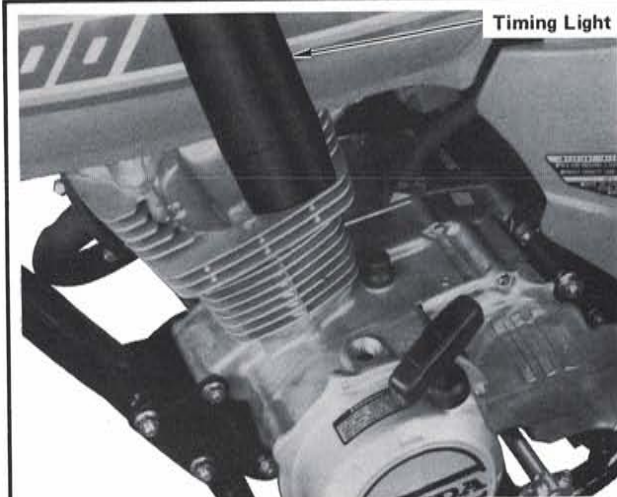
NOTE: Valve clearance adjustment must be done while engine is cold (below 35°C; 95° F).

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.)

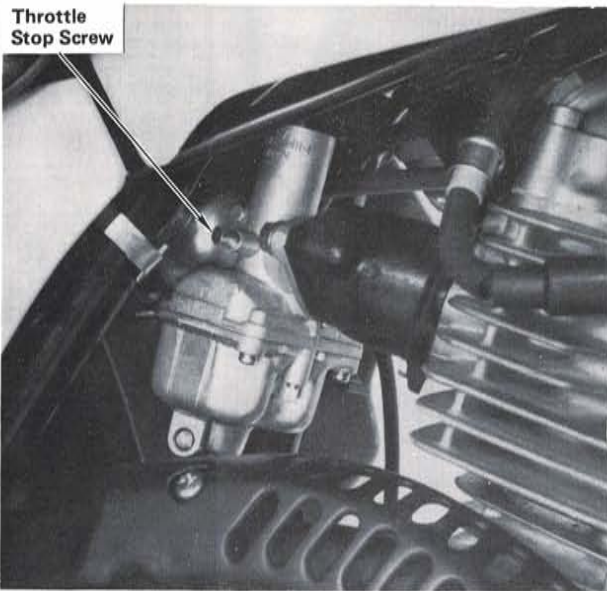


STEP 51—Drain fuel tank as described in shop manual. Remove fuel tank by removing mounting bolt at rear of tank and disconnecting fuel line. Inspect and flush fuel tank. Reinstall fuel tank, connect fuel line, fill tank, turn on fuel valve and check for leaks and flow through fuel filter. Tighten mounting bolt securely.

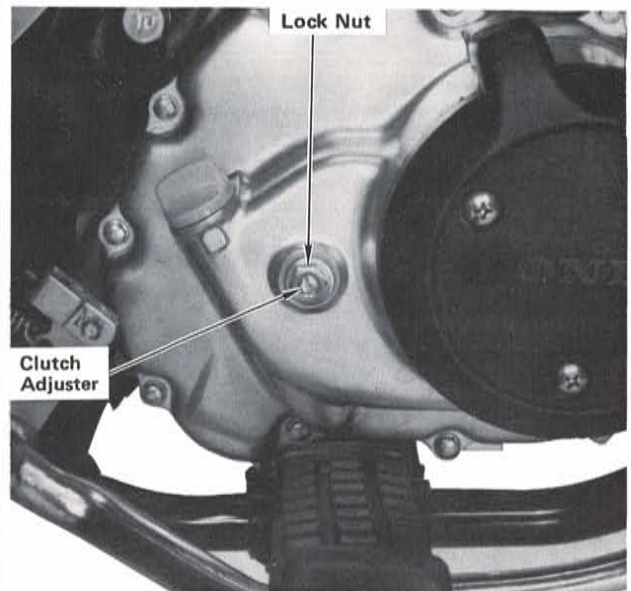


STEP 52—Connect a stroboscopic timing light and check transmission in neutral. Start engine and allow it to idle. Aim timing light at timing mark hole and check that "F" mark is aligned with index mark at idle. Reinstall timing hole cap. Remove timing light.

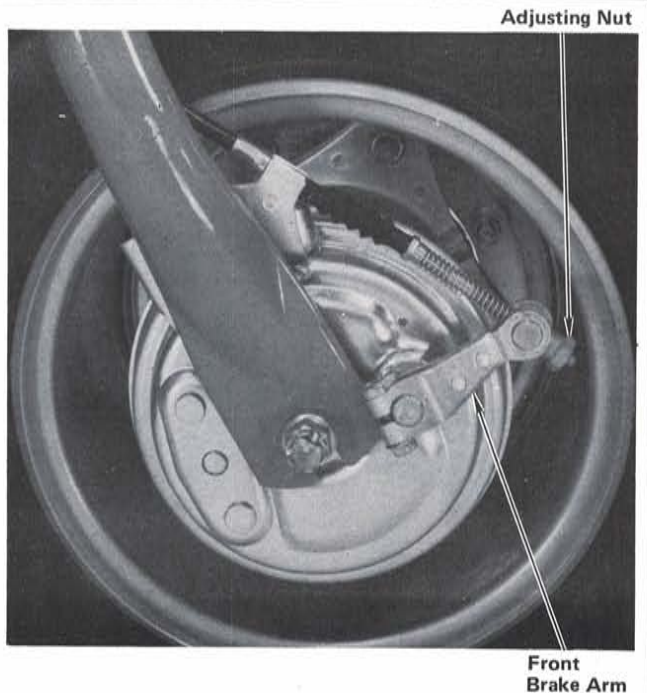
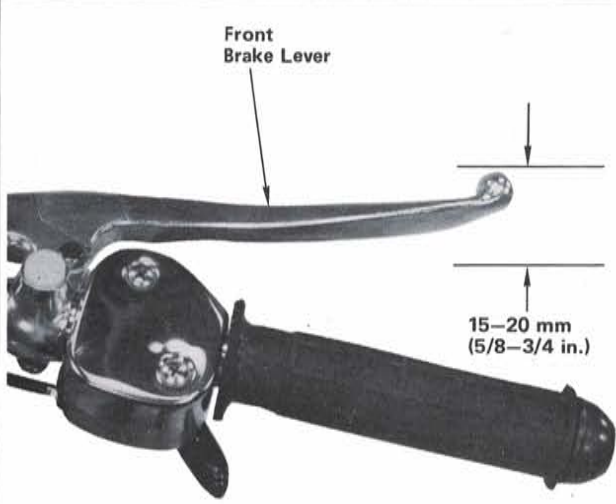
NOTE: The C.D.I. (Capacitor Discharge Ignition) system is factory preset and cannot be adjusted. If timing is incorrect, check C.D.I. units as described in shop manual.



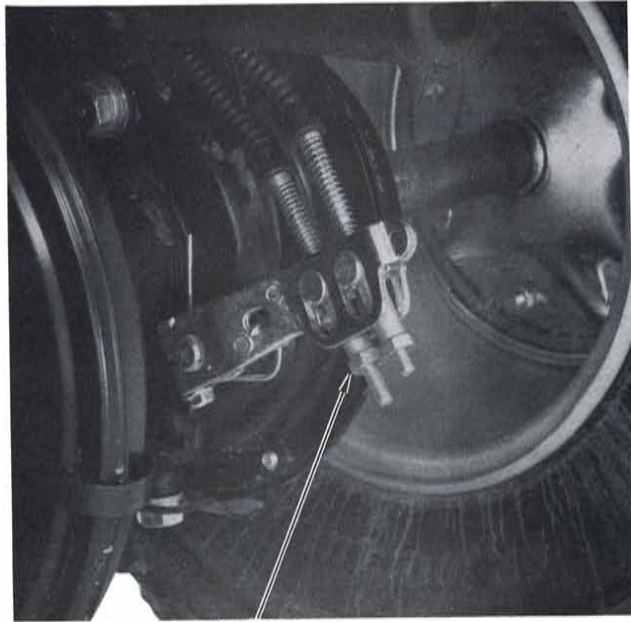
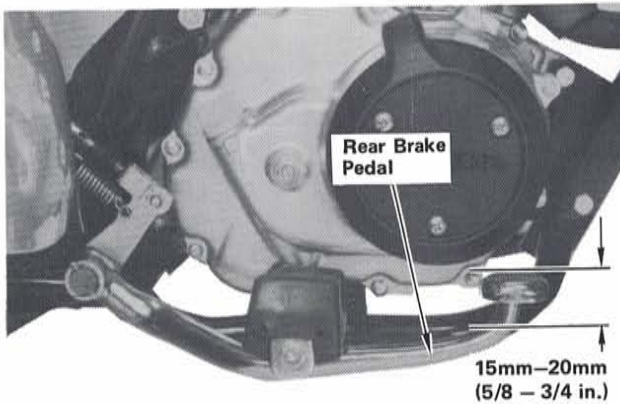
STEP 53—Connect a tachometer and check transmission in neutral. Start engine and allow it to warm up to operating temperature and check idle speed at $1,400 \pm 100$ rpm. If necessary, adjust idle speed using throttle stop screw. Remove tachometer.



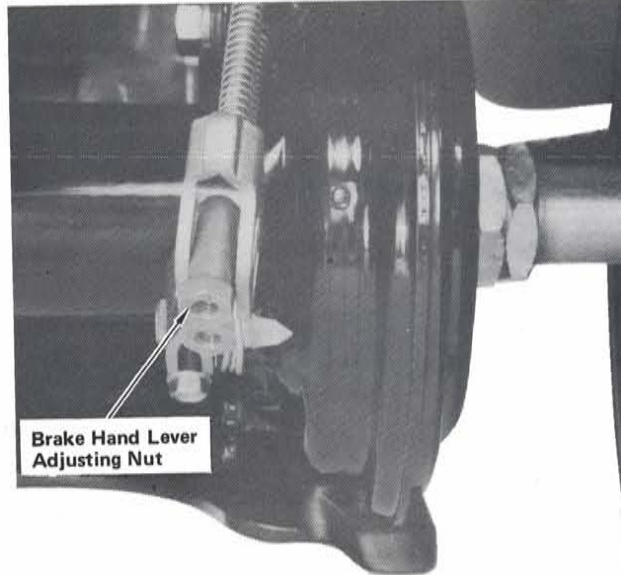
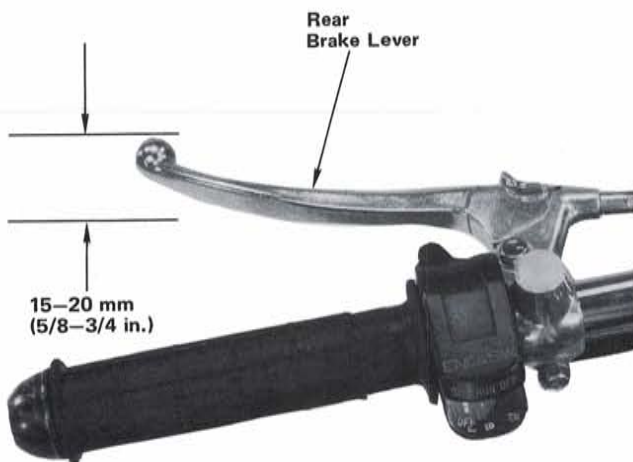
STEP 54—Check clutch operation. If adjustment is necessary, use the following procedure. Loosen lock nut and turn clutch adjuster counter-clockwise until resistance is felt, then turn clutch adjuster $1/8$ turn clockwise and tighten lock nut. Recheck clutch operation.



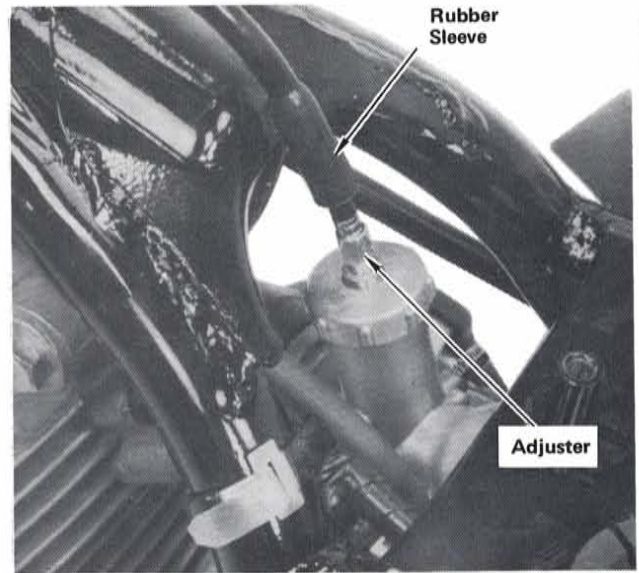
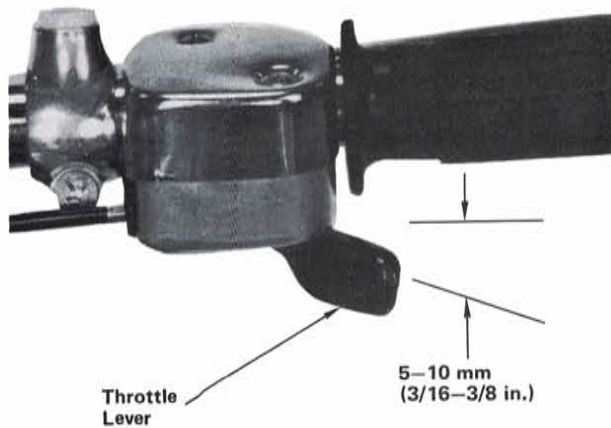
STEP 55—Raise front wheel off ground using a support block under engine. Spin front wheel by hand and measure free play of front brake lever before brake starts to engage. Free play, measured at tip of brake lever, should be between 15 and 20 mm ($5/8$ – $3/4$ in.). If adjustment is necessary, turn adjusting nut on front brake arm. Remove support block under engine.



STEP 56—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.



STEP 57—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 58—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.

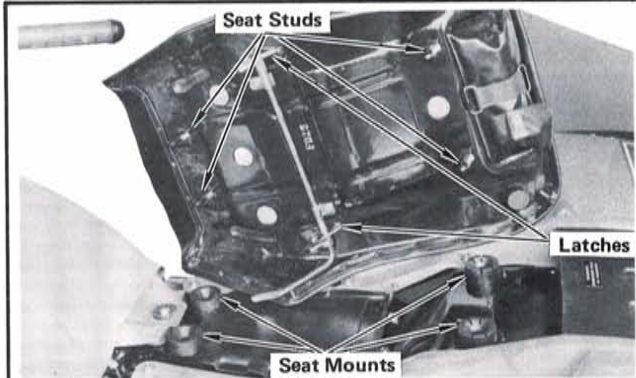


STEP 59—Adjust cam chain as follows:

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.

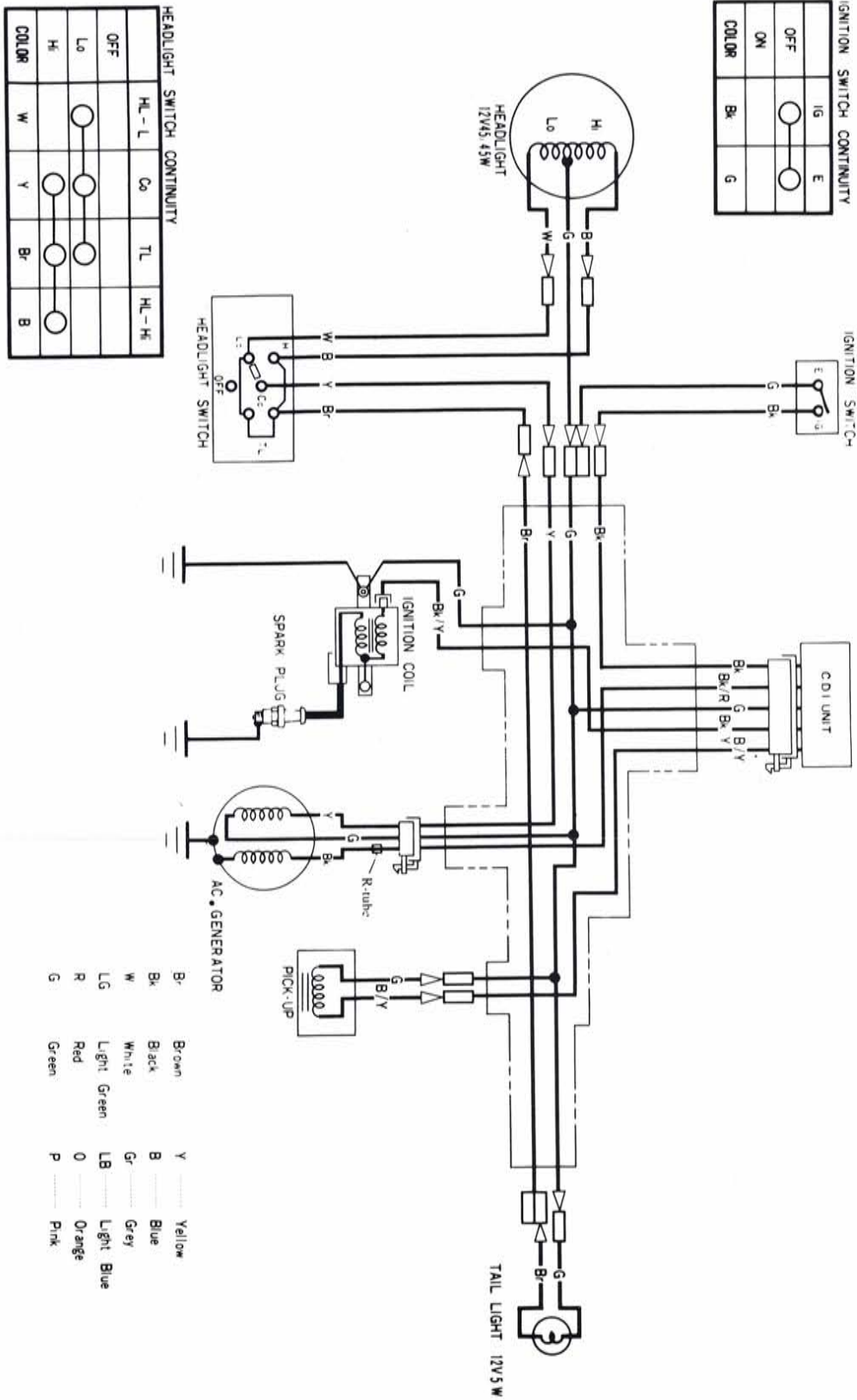


STEP 60—Insert seat studs into holes in seat mounts and engage seat latches.

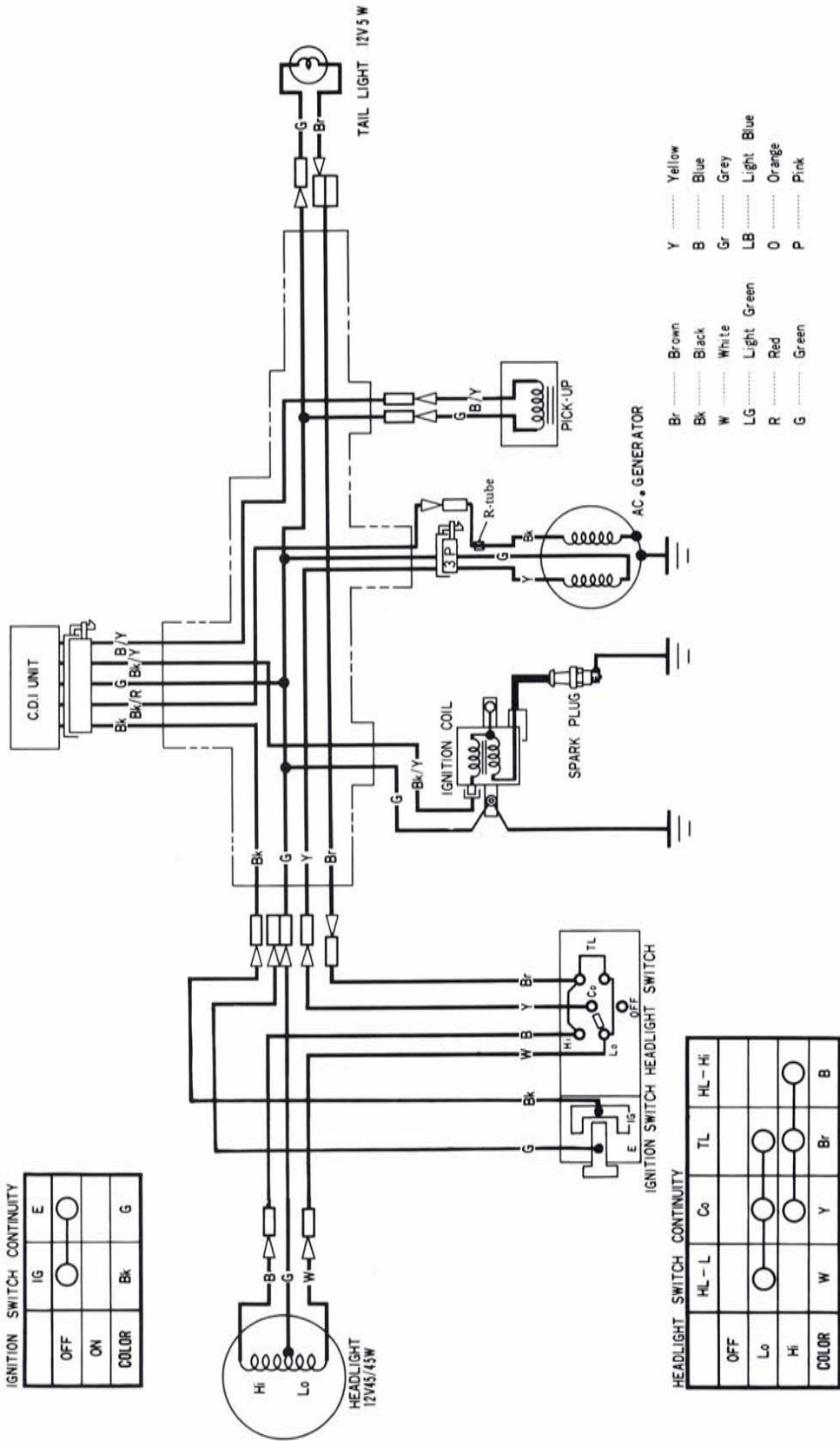
NOTE: Check that latches are fully engaged.

On 1982 Model, attach “Easy Start” tag to recoil starter handle as shown.

1981 MODEL ONLY



1982 MODEL ONLY



TORQUE TABLE

ITEM	SIZE	TORQUE
Handlebar upper holder bolts	6 mm	1.0 kg-m (8 lb-ft)
Front fender bolts	6 mm	1.0 kg-m (8 lb-ft)
Front axle nuts	12 mm	6.0 kg-m (44 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)
Front fork bolts	12 mm	6.0 kg-m (44 lb-ft)
Muffler bolts	8 mm	2.2 kg-m (16 lb-ft)
Muffler band bolt	8 mm	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

- Adjust front and rear brakes, check cable routing and check operation.
- Drain oil from crankcase (if necessary). Refill 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
Handlebar	1	-----	-----
Upper holder	2	066162	95014-21101
Washer, plain, 6 mm	4	005907	94101-06000
Bolt, hex head, 6 x 28 mm	4	017012	90117-065-000
Rear wheel	2	-----	-----
Washer, 14 mm (1981)	2	070792	42322-943-000
Washer, 14 mm (1982)	2	-----	42322-950-000
Castle nut, 14 mm	4	023402	94011-014000-0S
Pin, cotter, 3.0 x 25 mm (2 for front axle; 2 for rear axle)	4	005842	94201-30250
Seat	1	-----	-----
Rear fender, left	1	095495	80150-958-010ZA
Rear fender, right	1	095446	80100-958-010ZA
Rear mud guard	2	084295	80111-958-000
Backing plate, rear, rear fender	2	084296	80112-958-000
Backing plate, side, rear fender	2	094300	90105-958-010
Bolt, 5 x 18 mm, rear mud flap	8	094300	90105-958-010
Nut, flange, 5 mm, rear mud flap	8	061267	94050-05080
Stay, rear fender	2	084305	80121-958-000
Carrying handle	1	084311	81200-958-000
Bolt/washer, 8 x 16 mm (4 for carry pipe; 2 for rear fender stays)	6	067490	93493-08016-08
Collar, number bracket, right and left fenders	12	084361	84706-415-000
Bolt/washer, 6 x 16 mm, right and left rear fenders (1981)	10	073758	93491-06016-08
Bolt/washer, 6 x 16 mm, right and left rear fenders (1982)	10	-----	93492-06017-08
Screw/washer, 6 x 16 mm	2	063474	93982-06016-08
Front fender	1	095530	61100-958-010ZA
Front mud guard	1	084221	61861-958-000
Screw, 6 x 7 mm, front mud guard	3	081065	90102-673-003
Nut, special, front mud guard	3	095557	61304-958-003
Fixing washer, front fender	4	029937	64348-086-000
Bolt, hex head, 6 x 16 mm	4	062380	92000-06016-0H
Bolt, hex head, 8 x 25 mm, front brake panel	1	095534	90124-958-000
Collar, front brake stopper, front brake panel	1	084226	45101-958-000
Nut, flange, 8 mm, front brake panel	1	059948	90115-659-003
Pin, cotter, 2.0 x 15 mm, front brake panel	1	005834	94201-20150
Adjusting nut B	1	025776	95015-42000
Brake rod spring A	1	027105	95014-73100
Brake arm joint B	1	040094	95015-32001
Front wheel	1	-----	-----
Front axle	1	084232	44301-958-000
Front axle collar	1	023386	44302-918-000
O-ring, 1.4 x 13.5 mm	2	034790	91307-611-000
Front axle side collar	1	084233	44312-958-000
Axle nut, 12 mm	2	095562	90305-169-000
Tool box	1	-----	80200-958-000
Tool set	1	084328	89010-958-000
Battery band A	1	033860	95012-11000
Owner's manual (1981)	1	094865	3195850
Owner's manual (1982)	1	106997	3195851
Easy start label (1982)	1	-----	87107-958-000
Muffler (1982)	1	-----	-----





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