

Set-up Instructions

1978 Model ATC 90



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 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.

NOTE: The black vertical bars near the edge of the pages as shown here, indicate changes. Read carefully.



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

Date of Issue: 7/77 This page supersedes page 1 dated 7/77. Remove and destroy superseded page.

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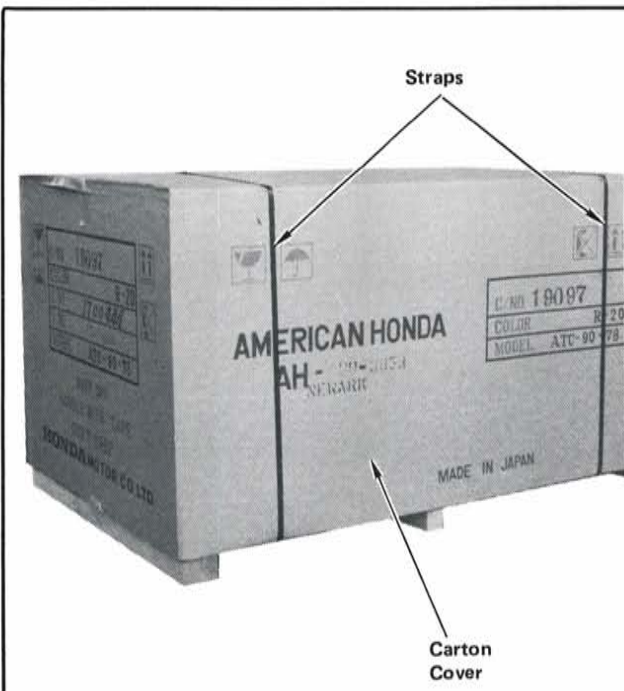
SET-UP INSTRUCTION REVISED PAGES

Pages Affected	Orig. Issue Date	Rev. Date
1 through 15	7/77	Original
1, 2 and 9	7/77	2/79

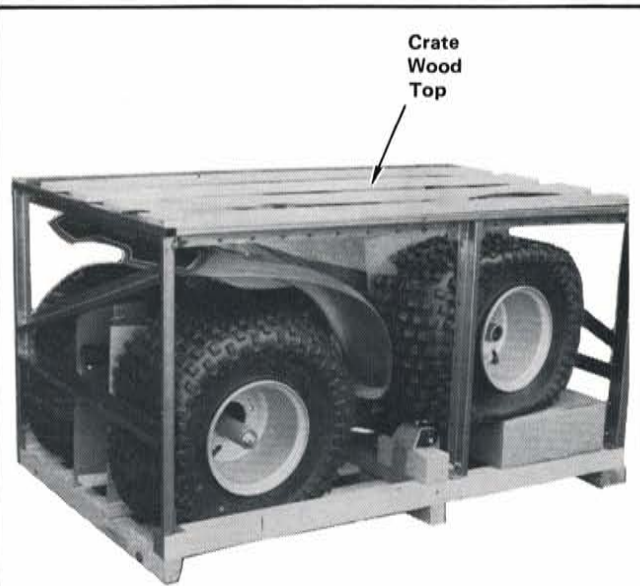
Remove and destroy superseded pages.

This page supersedes page 2 dated 7/77. Remove and destroy superseded page.

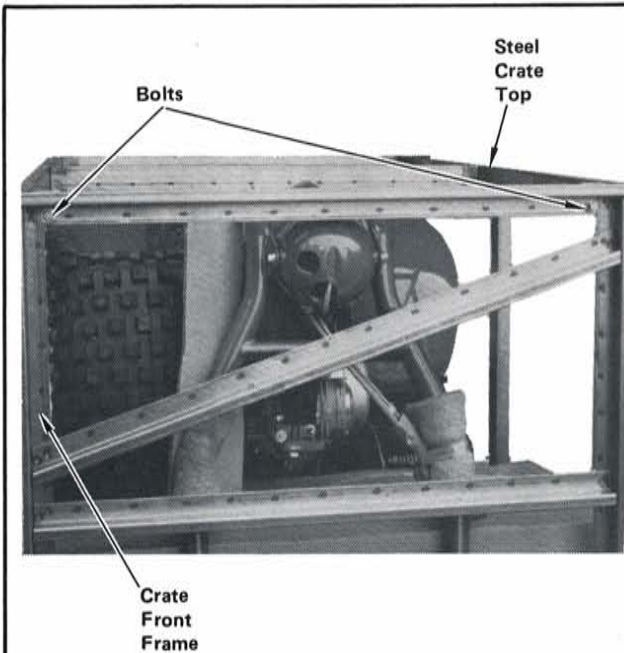
Rev. 2/79



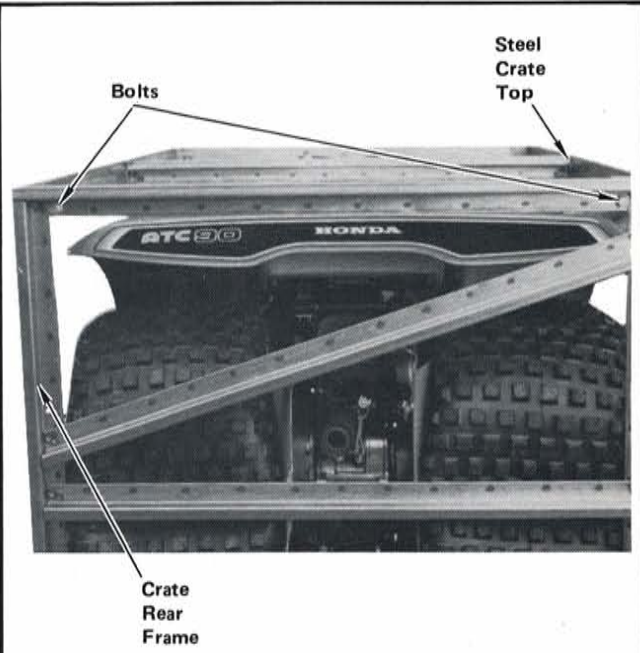
STEP 1—Cut straps and remove carton cover by lifting the cover up.



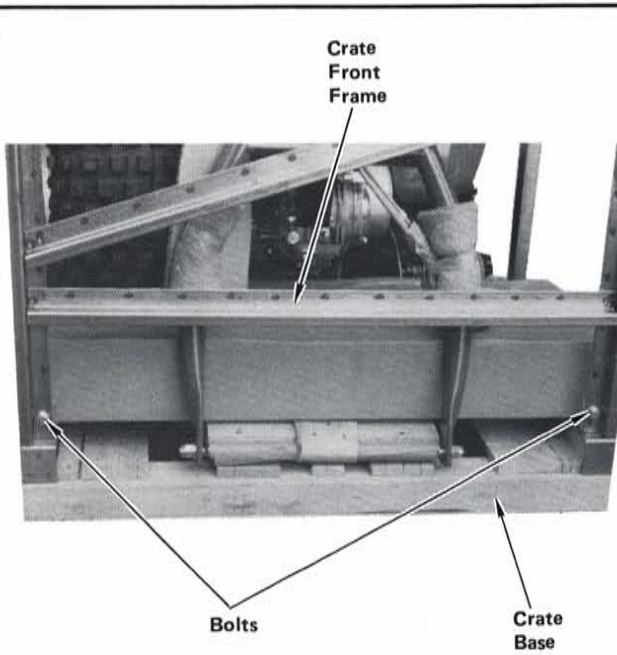
STEP 2—Remove wooden crate top.



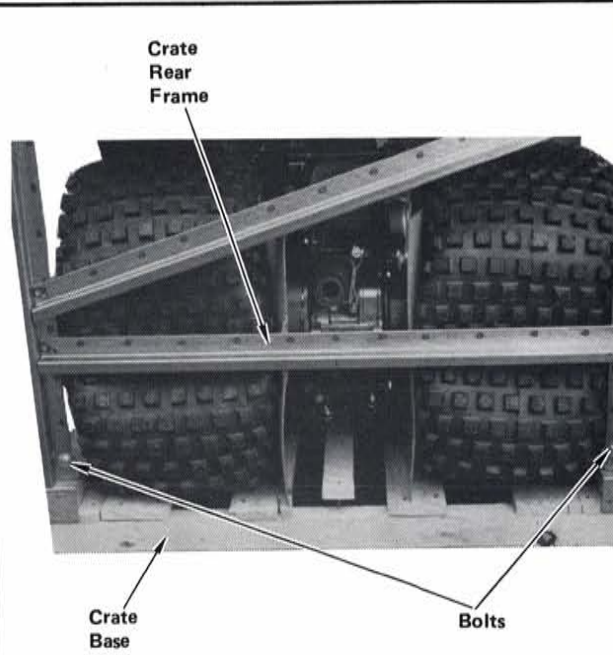
STEP 3—Remove two bolts attaching crate front frame to steel crate top. Discard bolts.



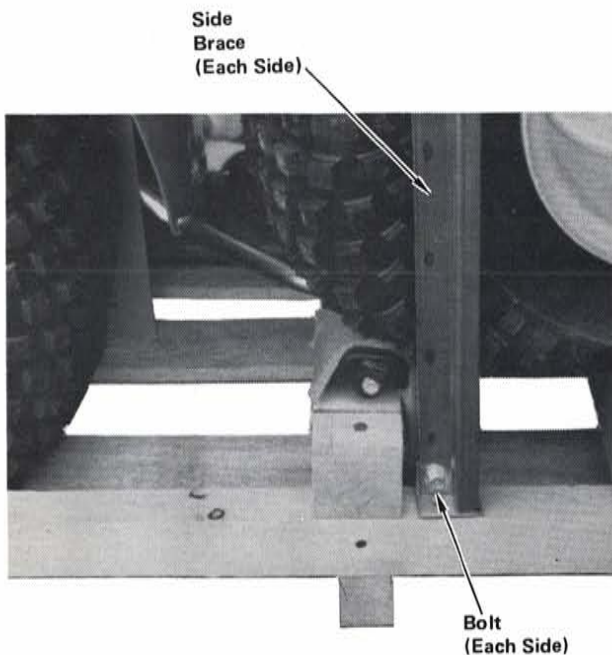
STEP 4—Remove two bolts attaching crate rear frame to steel crate top. Discard bolts and carefully remove crate top from side braces.



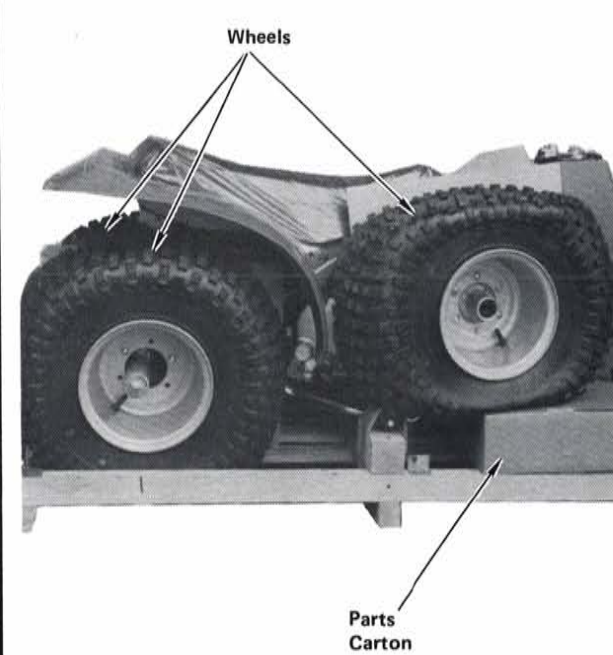
STEP 5—Remove two bolts attaching crate front frame to crate base. Discard bolts.



STEP 6—Remove two bolts holding rear crate frame to crate base. Discard bolts.



STEP 7—Remove a crate side brace from each side by removing a bolt from each. Discard braces and bolts.



STEP 8—Remove parts carton and wheels. Remove all protective coverings and padding.



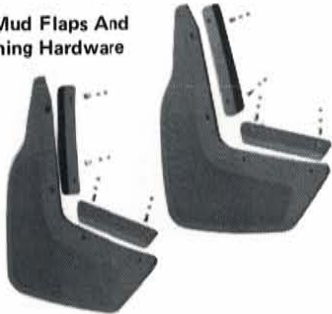
Rear Wheels

Front Wheel



Seat And Rear Fender

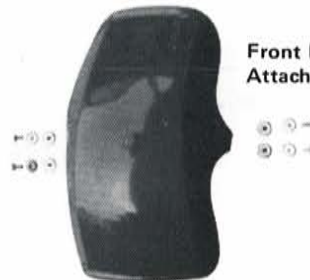
Rear Mud Flaps And Attaching Hardware



Owner's Manual



Front Fender And Attaching Hardware



Rear Wheel Flanges And Attaching Hardware



Front Mud Flap And Attaching Hardware



Tool Box And Attaching Hardware



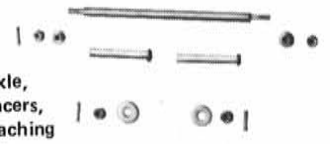
Handlebar And Attaching Hardware



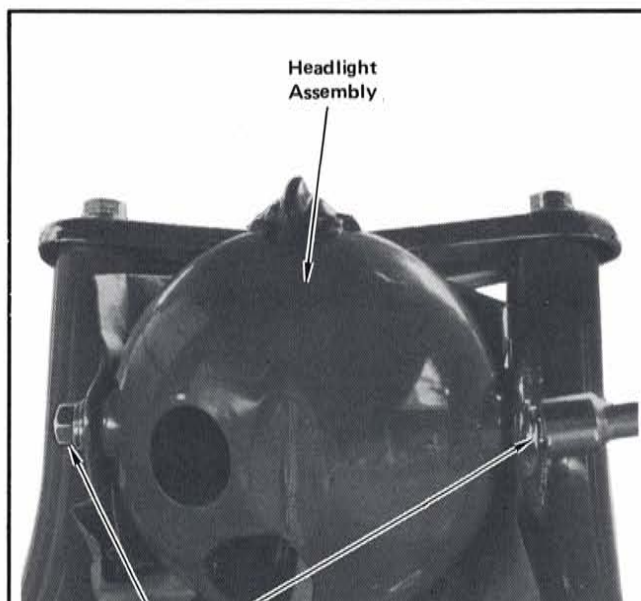
Carrying Handle And Attaching Hardware



Front Axle, Axle Spacers, And Attaching Hardware

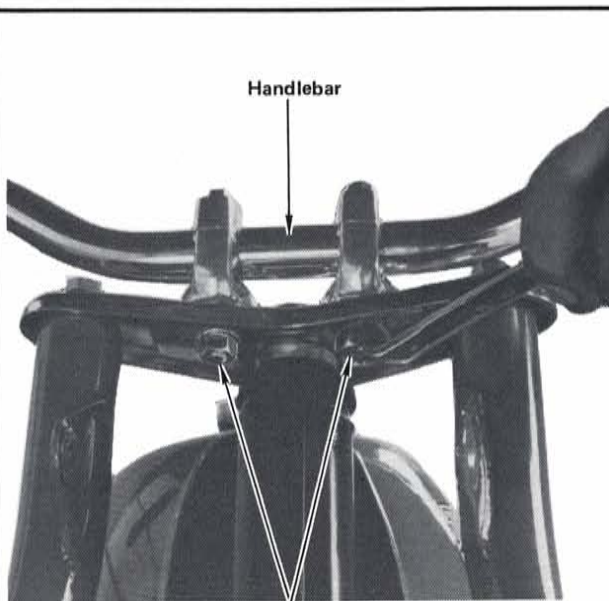


STEP 9—Unpack loose parts and check against this illustration. Report any damaged or missing parts immediately to American Honda Motor Co., Inc., 100 West Alondra Blvd., Gardena, California 90247.



Attaching Bolts

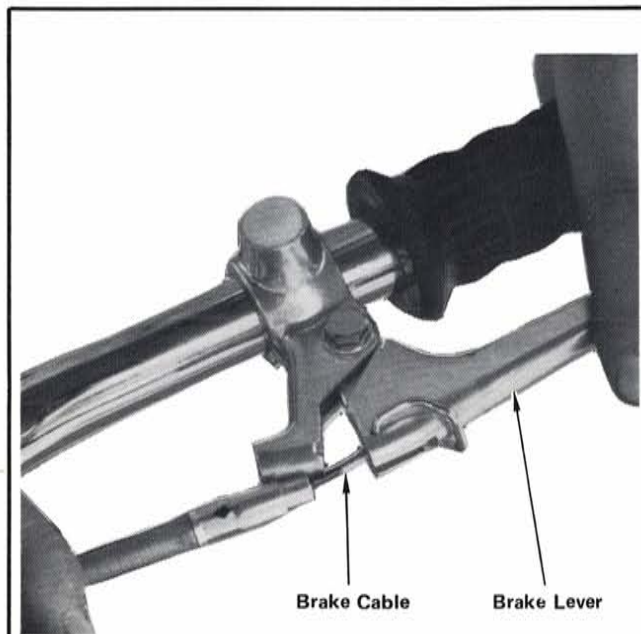
STEP 10—Remove headlight assembly and carefully lower it out of the way. Retain attaching hardware for reinstallation.



10 mm Nuts and Lock Washers

STEP 11—Install handlebar, using two 10 mm nuts and lock washers. Tighten nuts to specified torque.

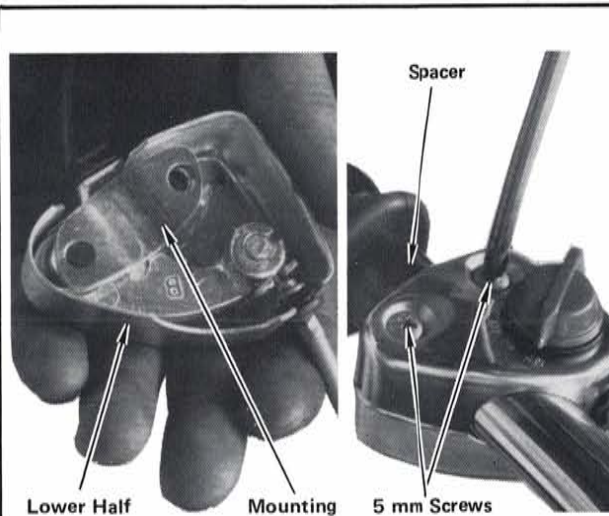
Torque specification:
4.0–4.8 kg-m (29–35 lbs-ft)



Brake Cable

Brake Lever

STEP 12—Insert end of brake cable into slot in brake lever. Pull cable back through slot in bracket. (Pressing rear brake pedal provides slack.) Adjust brake as described in owner's manual or shop manual.



Lower Half

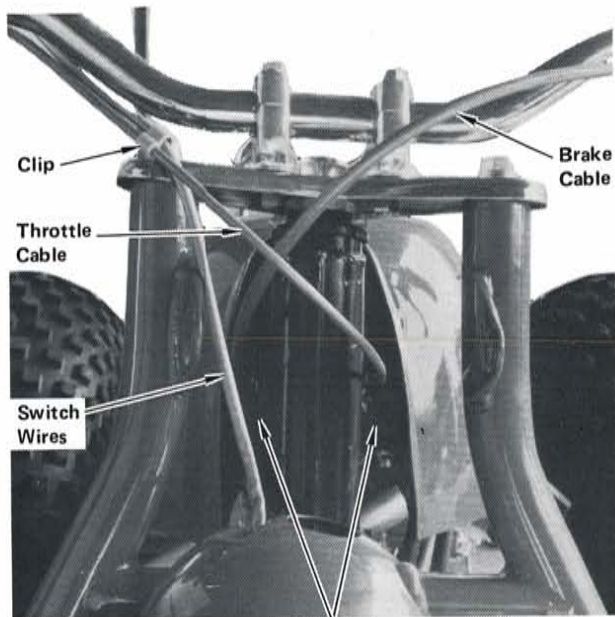
Mounting Plate

Spacer

5 mm Screws

STEP 13—Separate throttle/switch assembly by removing the two 5 mm screws. Install assembly on right handlebar, making sure mounting plate is in lower half and that assembly is against spacer by handgrip. Reinstall the two 5 mm screws and tighten securely.

WARNING Throttle lever must not touch handgrip.

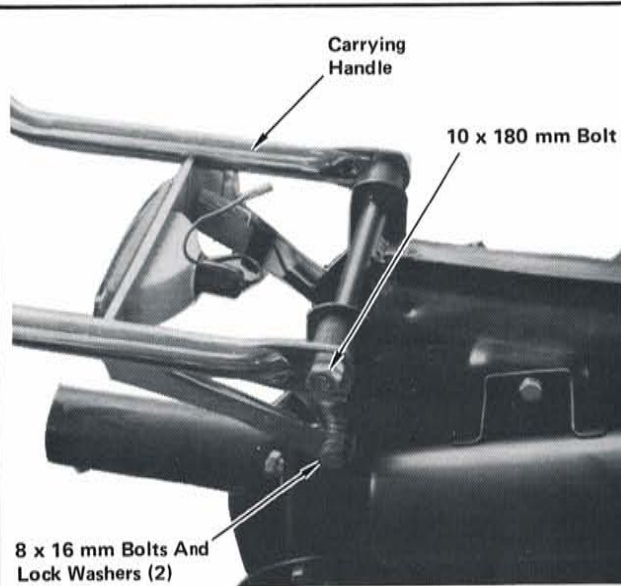


STEP 14—Clip ignition switch wires to throttle cable and check that throttle and brake cables are routed above fuel tank mounts as shown.



Bolts, Lock Washers, Plain Washers (2)

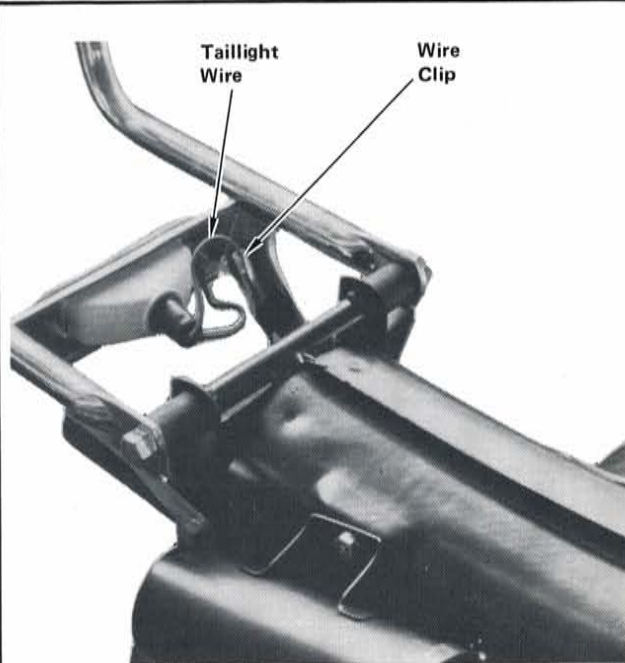
STEP 15—Remove protective covering from headlight and reinstall headlight, using two 8 mm hex bolts, lock washers, and plain washers retained. (Check that wires entering headlight case are connected color-to-color.) Align punch marks on headlight case with aligning marks on headlight brackets and tighten bolts securely.



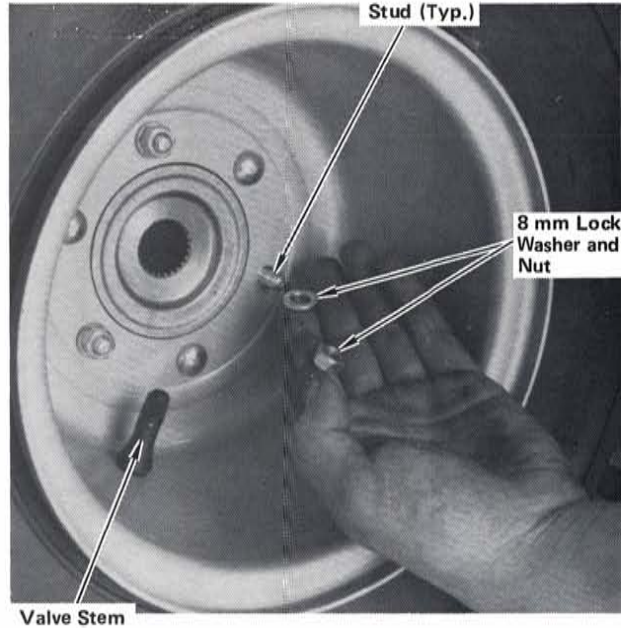
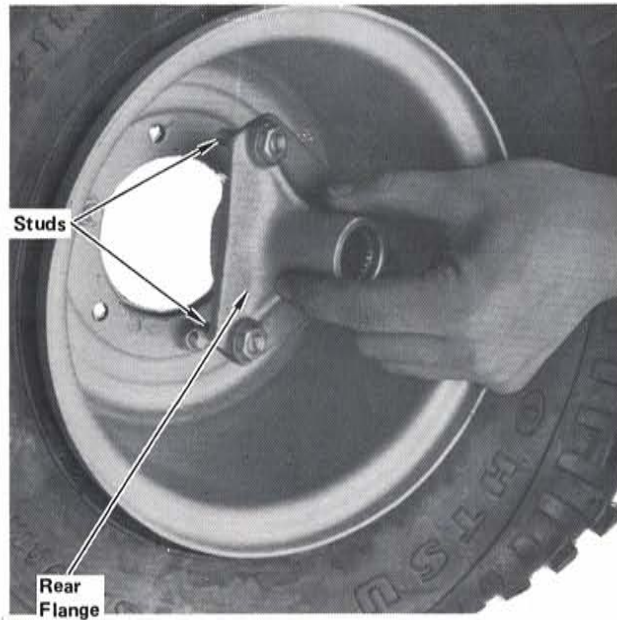
STEP 16—Install carrying handle, using two 8 x 16 mm hex bolts and lockwashers; and one 10 x 180 mm hex bolt, lock washer, and nut. Tighten bolts and nuts to specified torque.

Torque specifications:

- 8 mm bolts: 2.0–2.4 kg-m (15–18 lbs-ft)
- 10 mm nut: 4.0–4.8 kg-m (29–35 lbs-ft)

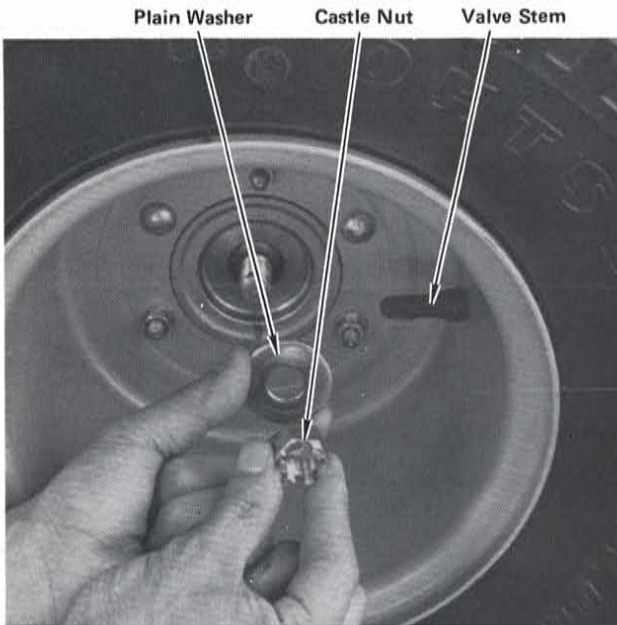


STEP 17—Connect taillight wire to wire harness and route wire through wire clip on carrying handle.

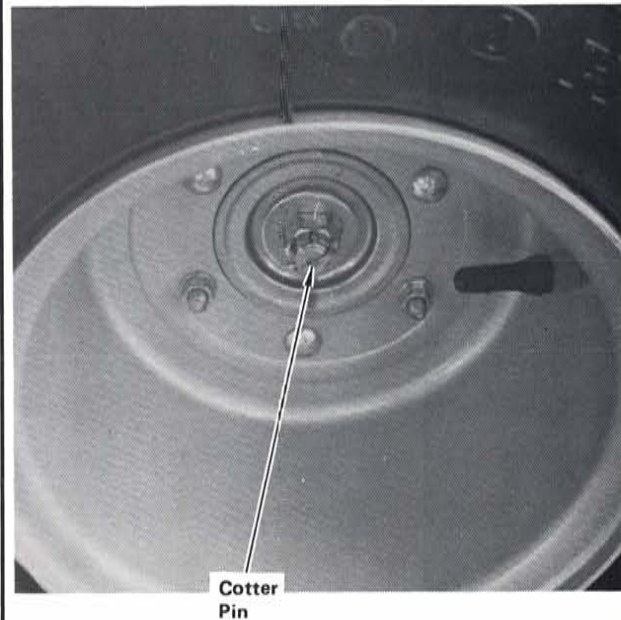


STEP 18—Insert studs of rear flanges through rear wheels from side opposite valve stem. Install each flange using three lock washers and nuts on side of wheel having valve stem. Tighten nuts to specified torque. Repeat for other wheel.

Torque specification:
 1.9–2.5 kg-m (14–18 lbs-ft)



STEP 19—Remove castle nuts and plain washers from rear axle. Grease axle splines. Remove plastic guard and install rear wheels, with valve stems to the outside, using same plain washers and castle nuts removed.



STEP 20—Tighten both rear axle nuts to specified torque and install a cotter pin in each. Spread cotter pin ends as shown.

Torque specification:
 6.0–8.0 kg-m (43–58 lbs-ft)

STEP 21—Install front fender mud gaurd under fender using three special screws inserted through mud flap and fender, with plain washers and cap nuts on fender side. Tighten screws securely.

STEP 22—Install front fender using four 6 x 16 mm hex bolts, plain washers, and flanged washers. (Flanged washers go between the fender and forks.) Tighten bolts to specified torque. Check that clearance between fender and engine hanger is between 16–21 mm (5/8–13/16 in.) with tire straight ahead.

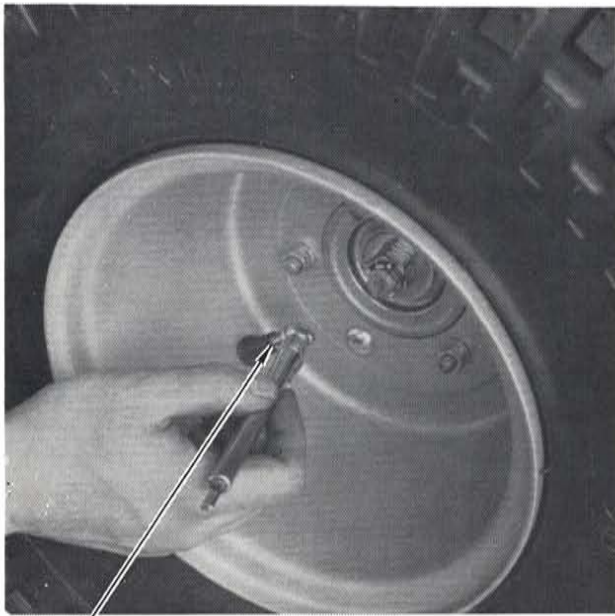
Torque specification:
0.8–1.2 kg-m (6–9 lbs-ft)

STEP 23—Insert front axle in front wheel hub. Grease front wheel hub seals and slip an axle spacer over each end of axle and into grease seal.

STEP 24—Install front wheel, using two collars and castle nuts. Tighten both axle nuts to specified torque and install a cotter pin in each. Spread ends of cotter pins as shown.

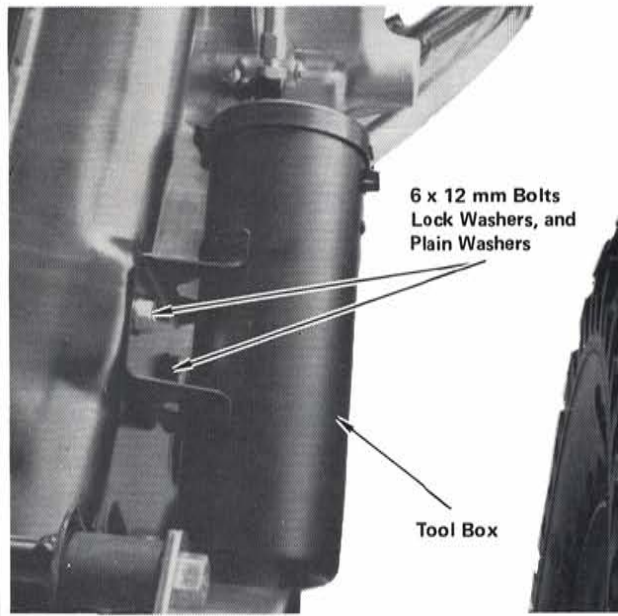
Torque specification:
6–8 kg-m (43–58 lbs-ft)

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Valve Stem

STEP 25—Inflate and check tire pressure.
 All tires: 2.2 psi.



6 x 12 mm Bolts
 Lock Washers, and
 Plain Washers

Tool Box

STEP 26—Install tool box using two 6 x 12 mm bolts, lock washers, and plain washers. Tighten bolts to specified torque.

Torque specification:
 0.8–1.2 kg-m (6–9 lbs-ft)

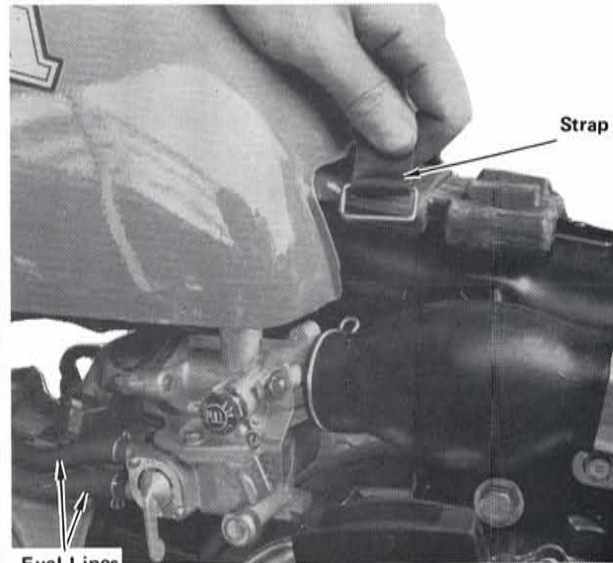


Oil Drain Plug

STEP 27—Remove crankcase drain plug and drain engine oil. Reinstall and tighten drain plug.

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

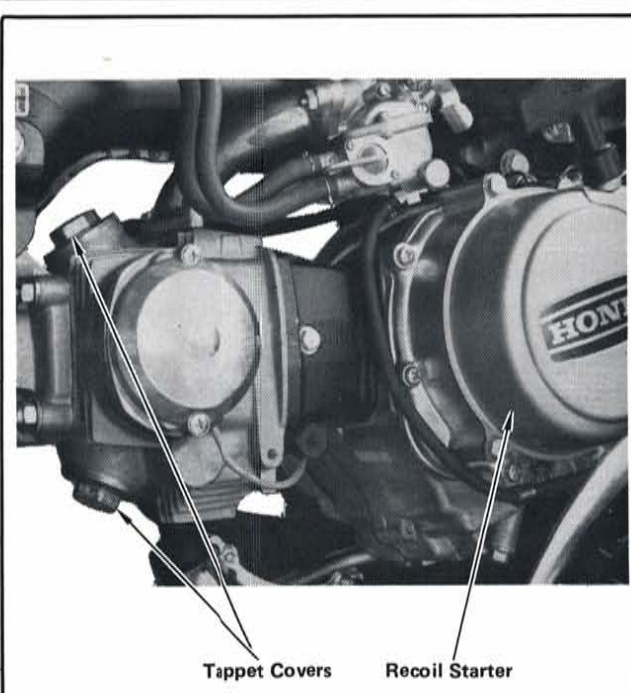
Refill crankcase with recommended oil as described in the owner's manual or shop manual.



Strap

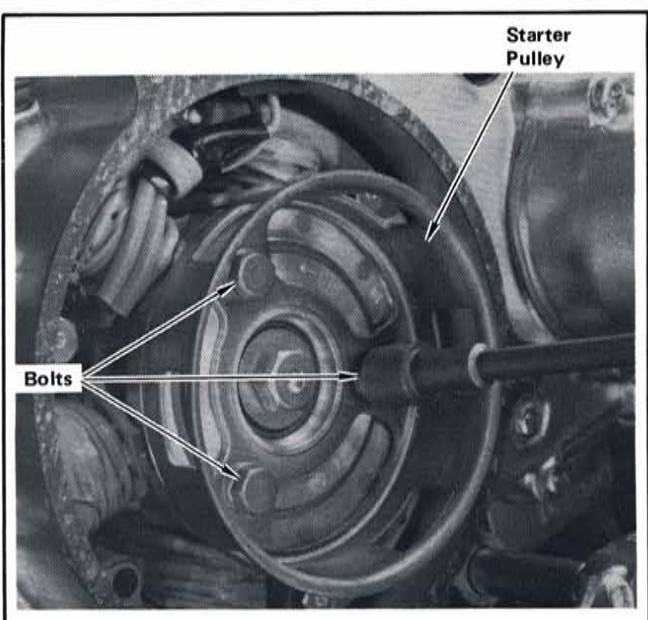
Fuel Lines

STEP 28—Lower vehicle onto the tires. Drain fuel tank as described in Owner's manual. Remove fuel tank by disconnecting fuel lines and releasing tank strap. Inspect and flush tank. Reinstall fuel tank, connect fuel lines, hook tank strap, fill tank, turn fuel petcock to ON, RES, and check for leaks.



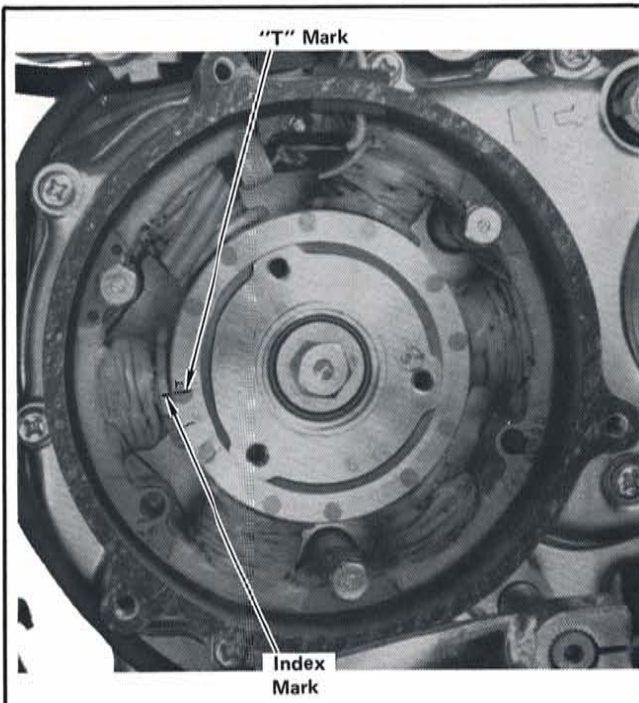
Tappet Covers Recoil Starter

STEP 29—Remove recoil starter and tappet covers.



Starter Pulley
Bolts

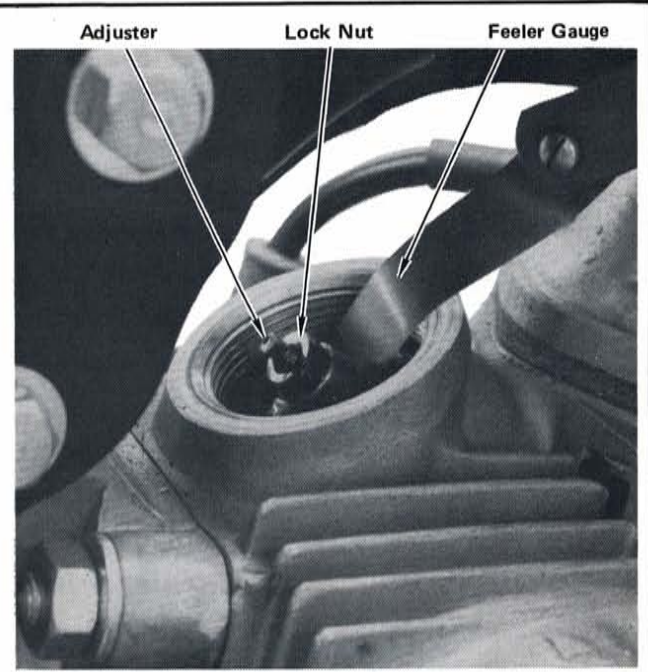
STEP 30—Remove starter pulley by removing three 6 mm hex bolts and lock washers.



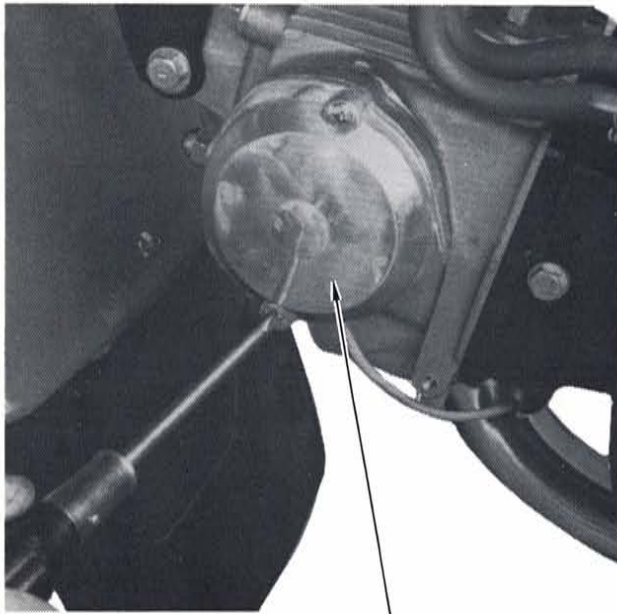
"T" Mark
Index Mark

STEP 31—Turn rotor counterclockwise to the "T" mark with piston on compression. Check tappet clearance, and if necessary, adjust tappets as described in owner's manual or shop manual. Reinstall tappet covers.

Intake and exhaust: 0.05 mm (0.002 in.)

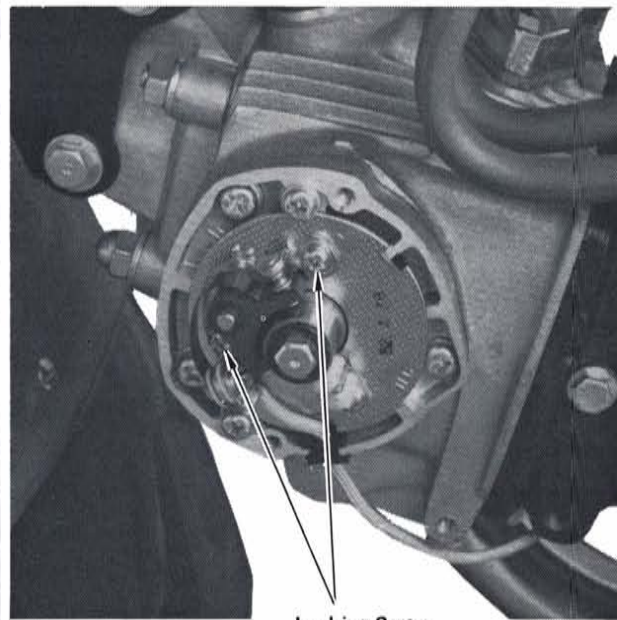


Adjuster Lock Nut Feeler Gauge



Point Cover

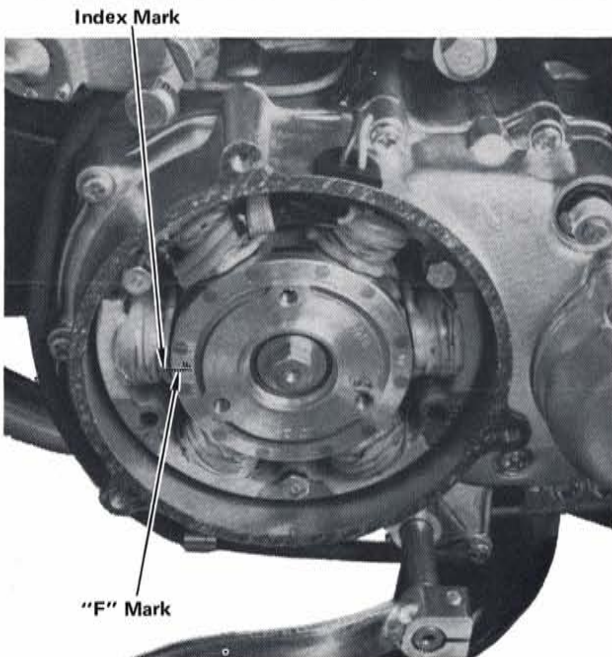
STEP 32—Remove point cover.



Locking Screws

STEP 33—Check point gap. Adjust if necessary, as described in the owner's manual or shop manual.

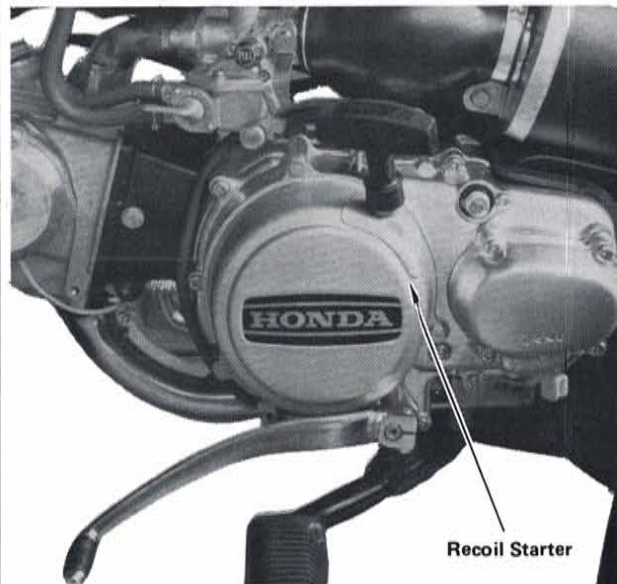
Point gap: 0.3–0.4 mm (0.012–0.016 in.)



Index Mark

"F" Mark

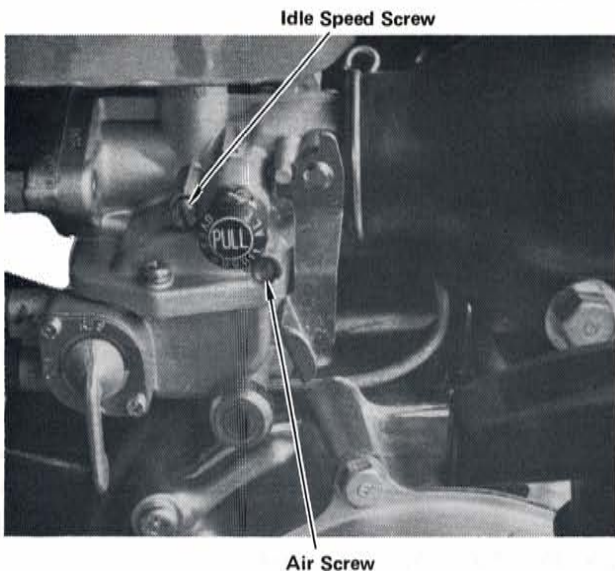
STEP 34—Turn rotor counterclockwise to the "F" mark. Check that points are just beginning to open. Adjust if necessary, as described in the owner's manual or shop manual.



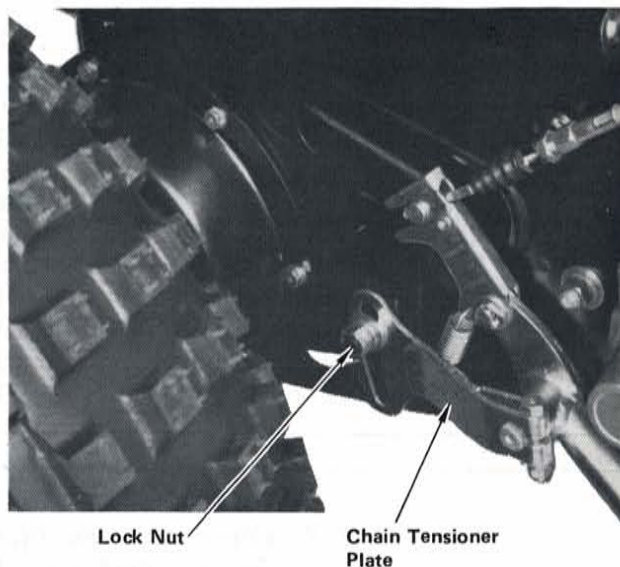
Recoil Starter

STEP 35—Reinstall starter pulley and recoil starter. Tighten hex bolts to specified torque. (The lock washers are used on the starter pulley.) Reinstall point cover.

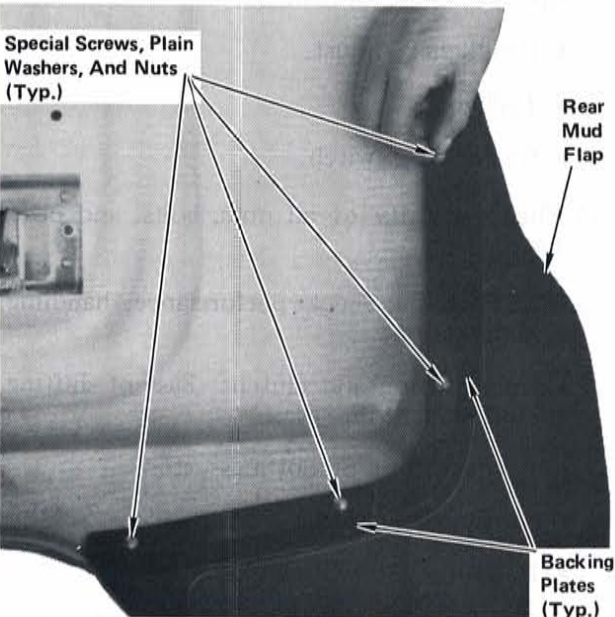
Torque specification:
0.8–1.2 kg-m (6–9 lbs-ft)



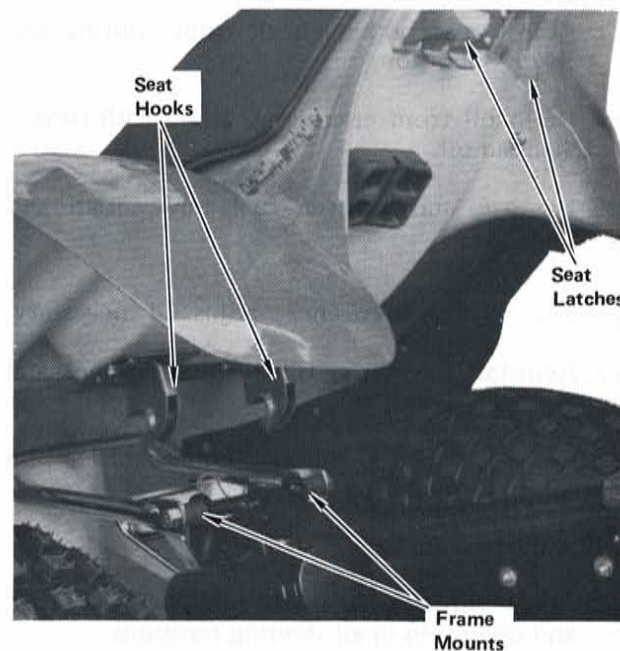
STEP 36—Adjust carburetor air screw, idle speed, and throttle lever free play, if necessary, as described in the owner's manual.



STEP 37—Adjust and lubricate drive chain as described in the owner's manual or shop manual.



STEP 38—Install each rear mud flap under fender using four special screws inserted through fender, mud flap, and backing plates, with plain washers and nuts on backing plate side. Tighten securely.



STEP 39—Install and latch seat.

CAUTION Use care to avoid damaging fuel tank with seat latches.

TORQUE TABLE

ITEM	SIZE	TORQUE
Handlebar holder nuts	10 mm	4.0–4.8 kg-m (29–35 lbs-ft)
Carrying handle bolts	8 x 16 mm	2.0–2.4 kg-m (15–18 lbs-ft)
	10 x 180 mm	4.0–4.8 kg-m (29–35 lbs-ft)
Rear wheel flange nuts	8 mm	1.9–2.5 kg-m (14–18 lbs-ft)
Rear axle nuts	14 mm	6.0–8.0 kg-m (43–58 lbs-ft)
Front axle nuts	12 mm	6.0–8.0 kg-m (43–58 lbs-ft)
Tool box bolts	6 x 12 mm	0.8–1.2 kg-m (6–9 lbs-ft)
Recoil starter bolts	6 x 16 mm	0.8–1.2 kg-m (6–9 lbs-ft)
Recoil starter pulley bolts	6 x 16 mm	0.8–1.2 kg-m (6–9 lbs-ft)
Front fender bolts	6 x 16 mm	0.8–1.2 kg-m (6–9 lbs-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.

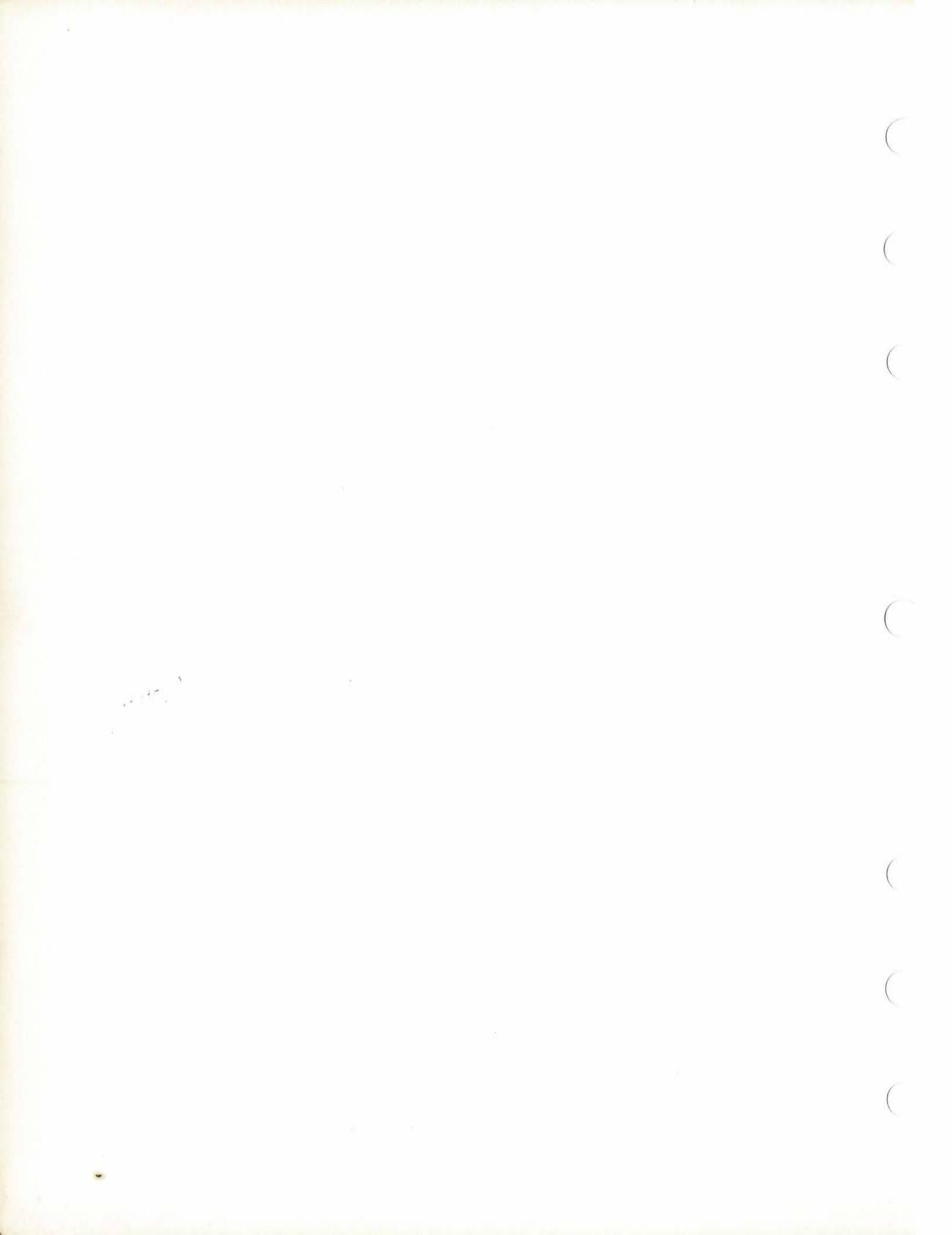
PRE-DELIVERY SERVICE CHECK LIST

- | | |
|--|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Adjust rear brake, check cable routing and check operation. <input type="checkbox"/> Drain oil from crankcase. Refill with recommended oil. <input type="checkbox"/> Remove and inspect fuel tank, drain and flush. <input type="checkbox"/> Check valve clearance; adjust if necessary. <input type="checkbox"/> Reinstall fuel tank, fill, turn on petcock and check for leaks. <input type="checkbox"/> Clean and check contact points and ignition timing; adjust if necessary. <input type="checkbox"/> Adjust carburetor. <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: Front and rear: 2.2 psi. | <ul style="list-style-type: none"> <input type="checkbox"/> Inspect electrical components for proper operation and adjustment: <ul style="list-style-type: none"> • Headlight: Adjust. • Taillight. • Engine stop switch. <input type="checkbox"/> Check security of all nuts, bolts, and other fasteners. <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, return to idle. • Upon completion of test ride, check for fuel and oil leaks. |
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PARTS PACKAGE CONTENTS

The following is a list of items contained in the parts package carton located behind the front forks:

DESCRIPTION	H/C	PART NUMBER
Front fender	39881	61100-942-010TR
Carrying handle	37719	31200-918-670
Carrying handle taillight	37697	33700-942-000
Owner's manual	----	3194205
Front fender mud guard	39882	61111-942-000
Rear fender mud guard (2 required)	39885	80111-942-000
Cotter pin (4 supplied) 3.0 x 30	05843	94201-30300
Valve cores (3 required)		Not Available Separately
Valve caps (3 required)		Not Available Separately
Handlebar complete:		
Handlebar	23465	53100-918-020XW
Lower Holders (2 required)	27861	95014-32100
Upper holders (2 required)	26889	95014-21100
Brake hand lever	23405	53190-918-010
Brake hand lever bracket	23472	53172-918-000
Handgrips (2 required)	29048	53166-918-000
Spacer	26306	53152-918-000
Hex bolts, 6 x 28 (4 required)	17012	90117-065-000
Plain washer, 6 mm (4 required)	05907	94101-06000
Hex bolts, 6 x 16 (4 required) front fender	05423	92000-06016
Hex bolts, 8 x 16 (2 required) carrying handle	14543	92000-08016-OA
Hex bolts, 10 x 180 (1 required) carrying handle	26307	90196-918-000
Washer, flanged (3 required) front fender	29937	64348-086-000
Washer, plain, 6.5 x 20 (4 required) front fender	14491	90545-292-000
Washer, lock, 8 mm (8 required) carrying handle, rear flanges	05898	94111-08000
Washer, lock 10 mm (3 required) handlebar, carrying handle	05900	94111-10000
Nut, 10 mm (3 required) handlebar, carrying handle	14539	94001-10000-OS
Tool box	29060	89500-918-000
Rear wheel flange (2 required)	39869	42401-942-300
Hex bolts, 6 x 12 (2 required) tool box	05419	92000-06012
Washer, plain, 6 mm (2 required) tool box	05907	94101-06000
Washer, lock, 6 mm (2 required) tool box	25821	94111-06800
Nut, 8 mm (6 required) rear wheel flanges	16733	94001-08000-OS



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READ THIS READ THIS READ THIS

HONDA

MODIFICATIONS WHICH YOU HAVE MADE, OR SHOULD MAKE IN THE FUTURE, TO ANY HONDA MOTORCYCLE, SHALL BE DEEMED BY OUR COMPANY TO HAVE BEEN PERFORMED AT YOUR SOLE RISK AND RESPONSIBILITY, AND WITHOUT OUR COMPANY'S OR THE MANUFACTURER'S APPROVAL OR CONSENT, IMPLIED OR EXPRESSED. WE FURTHER DISCLAIM ANY AND ALL LIABILITY, OBLIGATION, OR RESPONSIBILITY FOR ANY DEFECTS OF MODIFIED PARTS OR OF THE MODIFIED MOTORCYCLE, AND FOR ANY CLAIMS, DEMANDS, OR CAUSES OF ACTION FOR DAMAGE TO PROPERTY OR FOR PERSONAL INJURIES RESULTING FROM THE MODIFICATION OF SAID HONDA MOTORCYCLE.

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