

Set-up Instructions

1975, 1976, 1977 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.

THIS ISSUE OF THE ATC90 SET-UP INSTRUCTIONS REPLACES THE ATC90 SET-UP INSTRUCTIONS REVISED 4/74 AND ATC90K3 ADDENDUM DATED 4/75.

1977 Model shown; 1975 and 1976 Models similar.

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: 7/76 This page supersedes page 1 dated 7/76. Remove and destroy superseded page. Revised 8/76

SET-UP INSTRUCTION REVISED PAGES

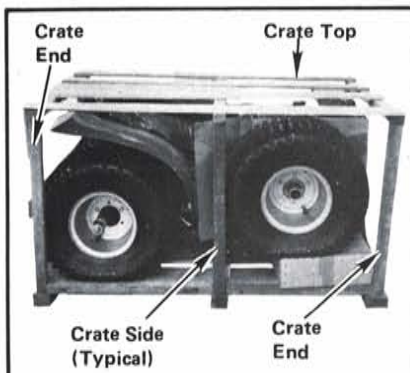
Pages Affected	Orig. Issue Date	Rev. Date
1 through 16	7/76	Original
1, 2 and 16	7/76	8/76

Remove and destroy superseded pages.

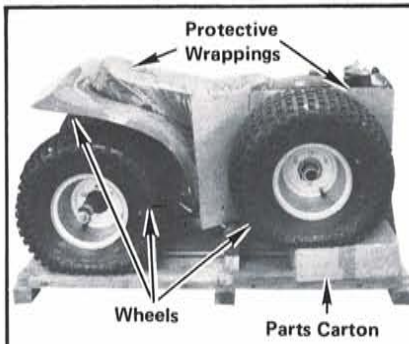
This page supersedes page 2 dated 7/76. Remove and destroy superseded page.

Rev. 8/76

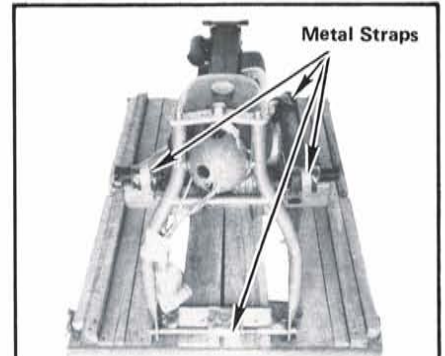
REMOVAL OF ATC 90 FROM WOOD CRATE



STEP 1—Remove the carton cover, shipping crate top, sides, and ends.

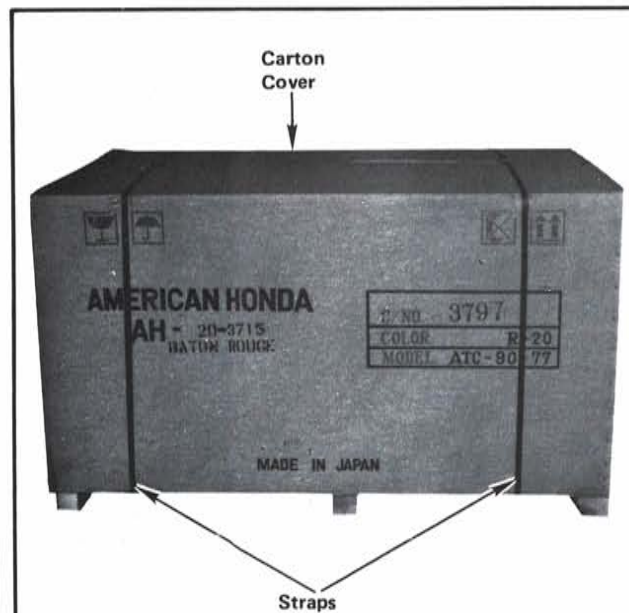


STEP 2—Remove parts carton and wheels. Remove tie under seat and remove seat, protective wrappings, and padding.

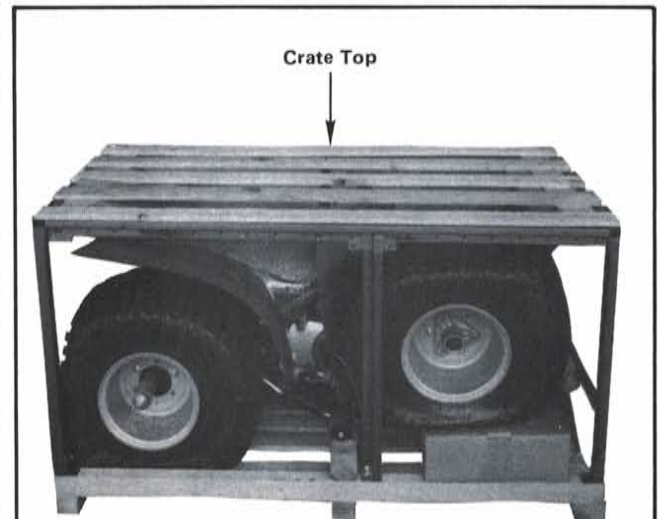


STEP 3—Remove metal straps holding front axle, foot pegs, and rear axle to shipping base. Remove all protective wrappings and padding. Refer to step 7 and proceed with set-up.

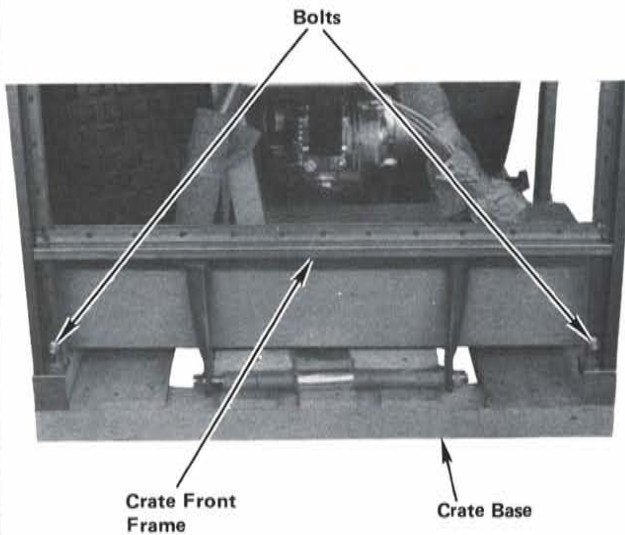
REMOVAL OF ATC 90 FROM METAL CRATE



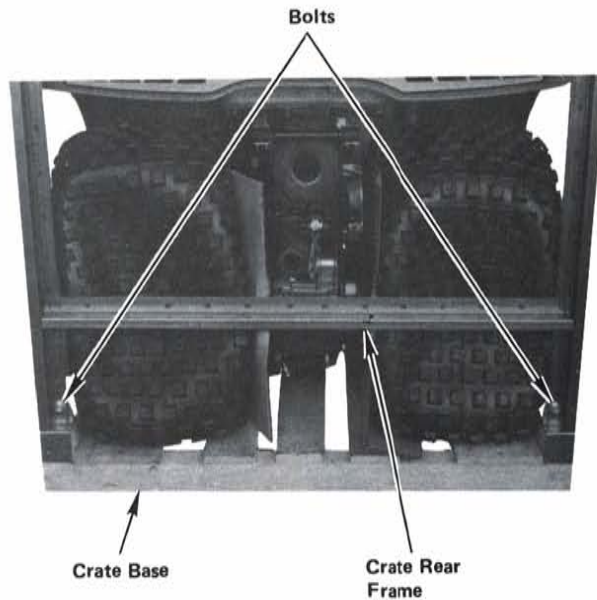
STEP 1—Cut straps and remove carton cover by lifting the cover up.



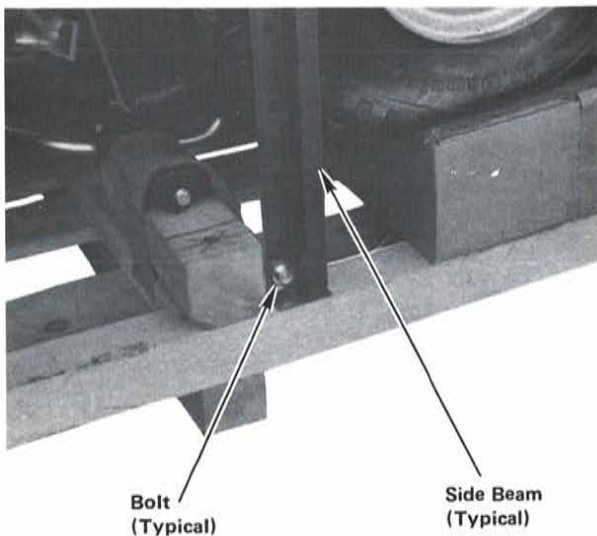
STEP 2—Remove wooden crate top.



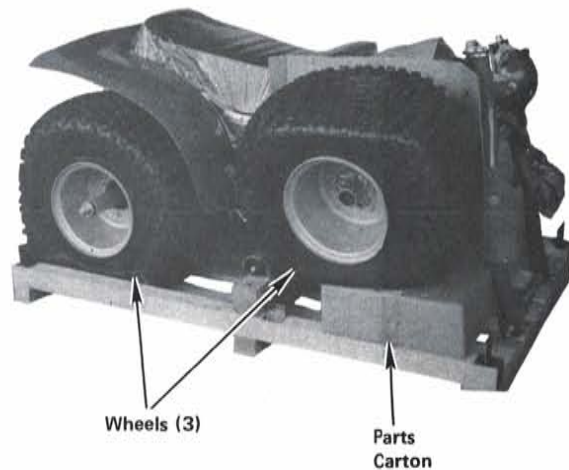
STEP 3—Remove two bolts attaching crate front frame to crate base. Discard bolts.



STEP 4—Remove two bolts holding rear crate frame to crate base. Discard bolts. Carefully lift entire crate frame assembly off crate base.



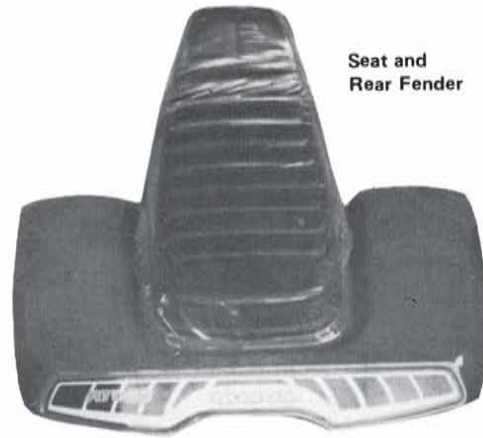
STEP 5—Remove a crate side beam from each side by removing a bolt from each. Discard beams and bolts.



STEP 6—Remove parts carton and wheels. Remove all protective coverings and padding. Refer to step 7 and proceed with set-up.



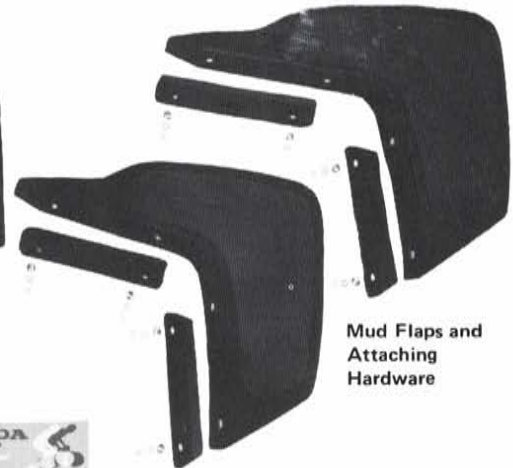
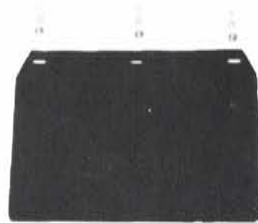
Rear Wheels



Seat and Rear Fender



Rear Wheel Flanges and Attaching Hardware



Mud Flaps and Attaching Hardware



Front Wheel



Tool Box



Owner's Manual



Handlebar and Attaching Hardware

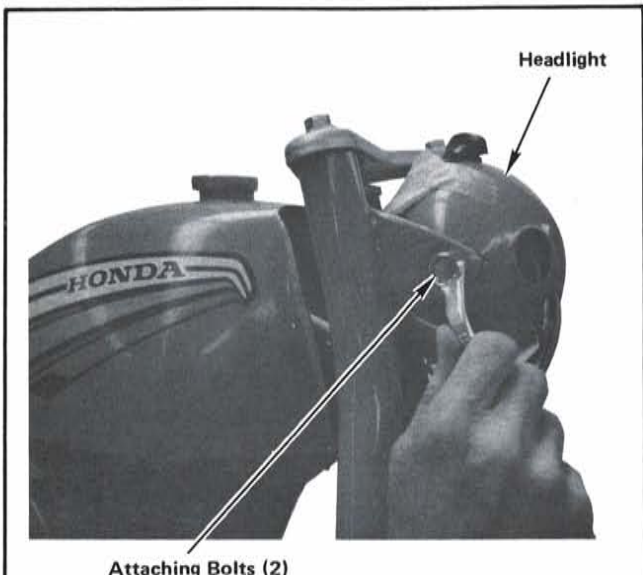


Carrying Handle and Attaching Hardware



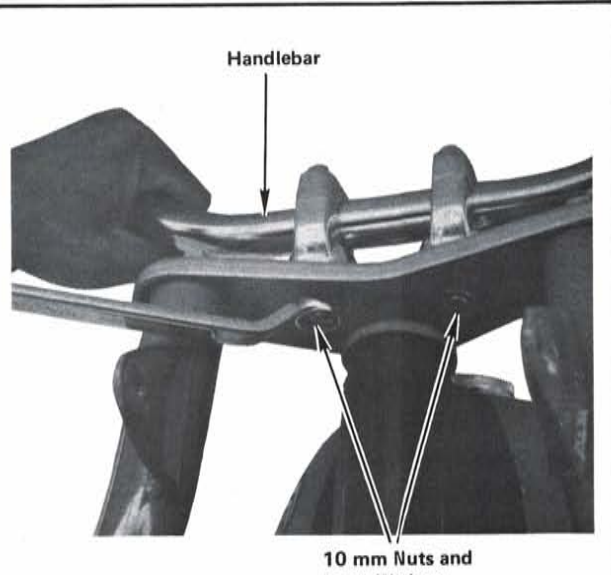
Front Fender and Attaching Hardware

STEP 7—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 (2)

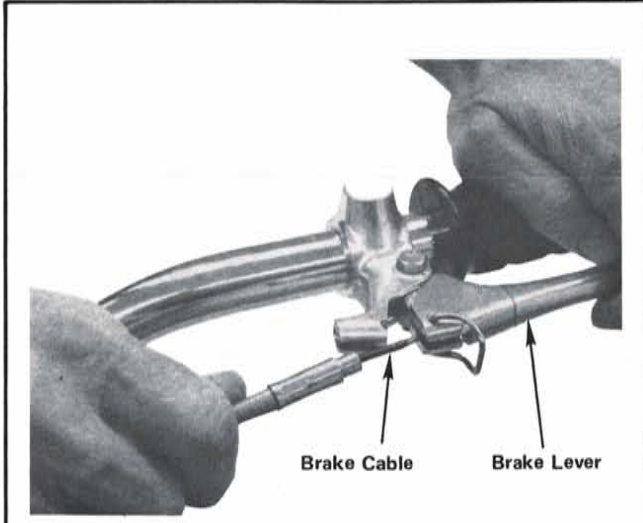
STEP 8—Remove headlight assembly and carefully lower it out of the way. Retain attaching hardware for reinstallation.



10 mm Nuts and Lock Washers

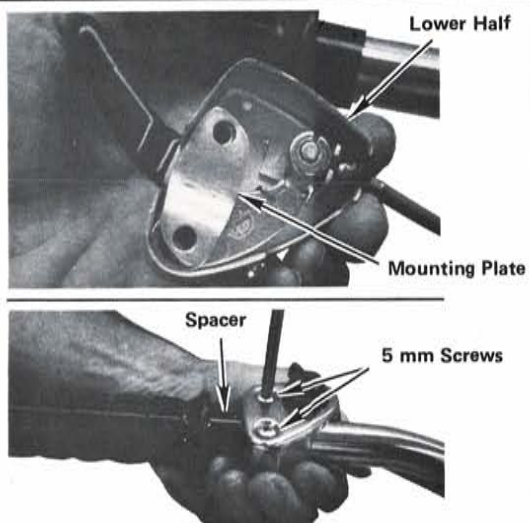
STEP 9—Install handlebar, using two 10 mm nuts and lock washers. Tighten nuts to specified torque.

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



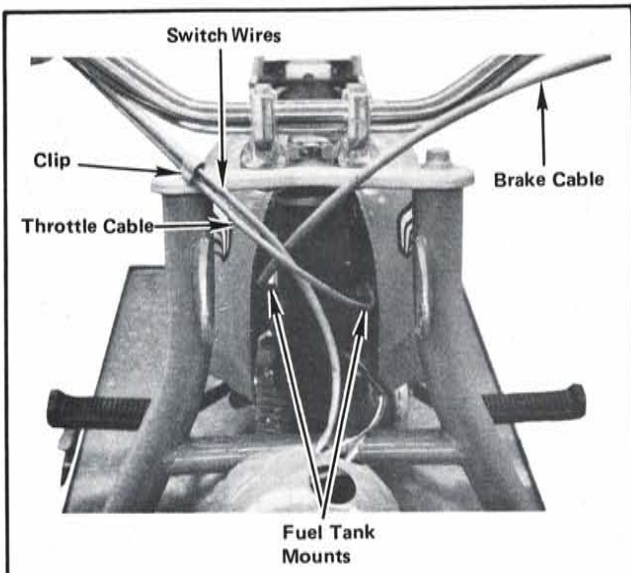
Brake Cable Brake Lever

STEP 10—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.

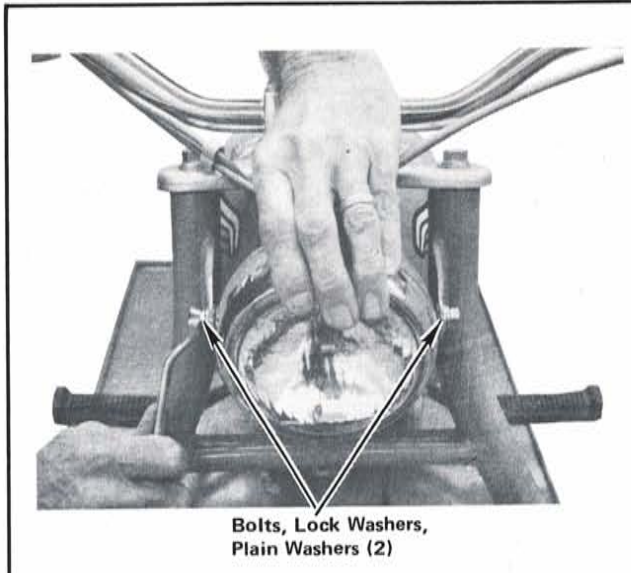


STEP 11—Separate throttle/switch assembly by removing the two 5 mm screws. Install assembly on right handlebar, making sure mounting plate is in lower half and that assembly is against spacer by handgrip. Reinstall the two 5 mm screws and tighten securely.

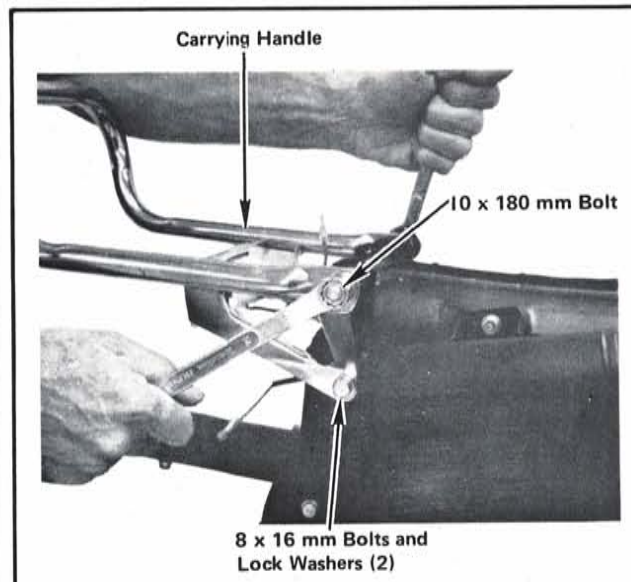
WARNING Throttle lever must not touch handgrip.



STEP 12—Clip ignition switch wires to throttle cable and check that throttle and brake cables are routed above fuel tank mounts as shown.

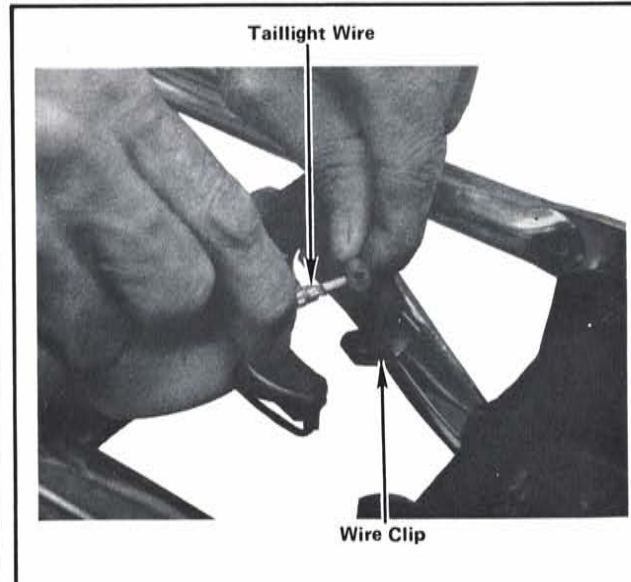


STEP 13—Remove protective covering from headlight and reinstall headlight, using two 8 mm hex bolts, lock washers, and plain washers retained. (Check that wires entering headlight case are connected color-to-color.) Tighten bolts to specified torque.

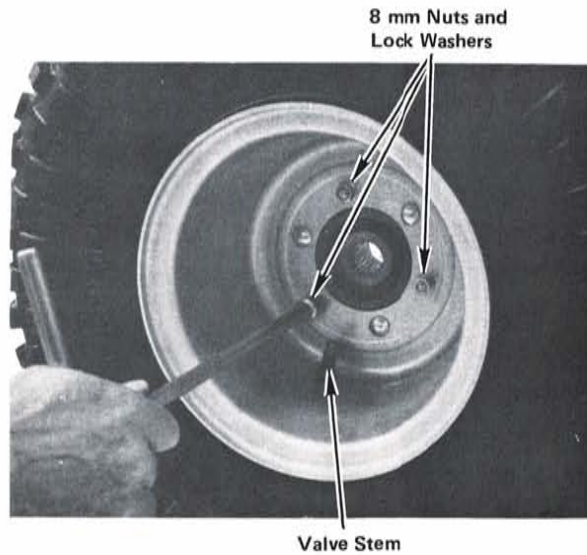
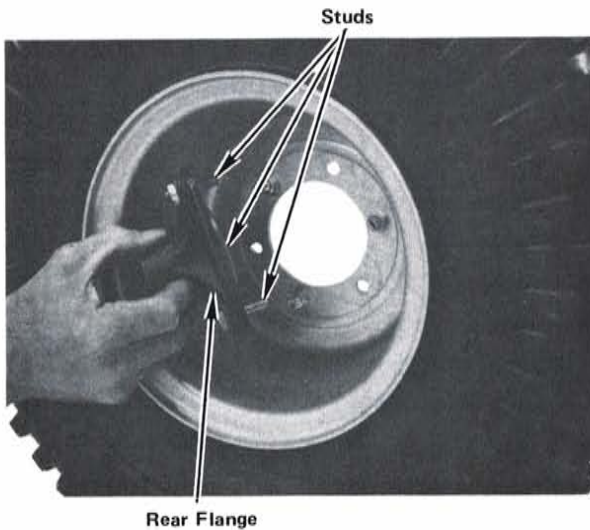


STEP 14—Install carrying handle, using two 8 x 16 mm hex bolts and lockwashers; and one 10 x 180 mm hex bolt, lock washer, and nut. Tighten bolts and nuts to specified torque.

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)

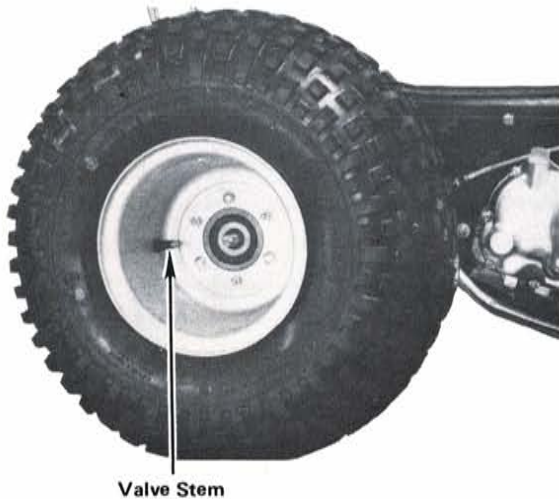


STEP 15—Connect taillight wire to wire harness and route wire through wire clip on carrying handle.

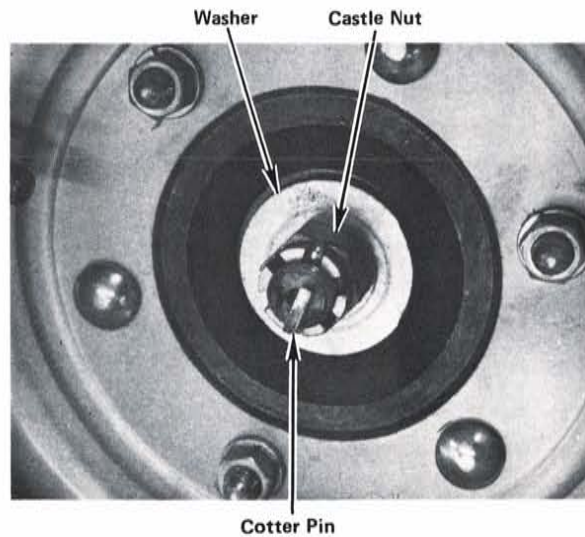


STEP 16—Insert studs of rear flange through rear wheel from side opposite valve stem. Install flange using three lock washers and nuts on side of wheel having valve stem. Tighten nuts to specified torque. Repeat for other wheel.

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

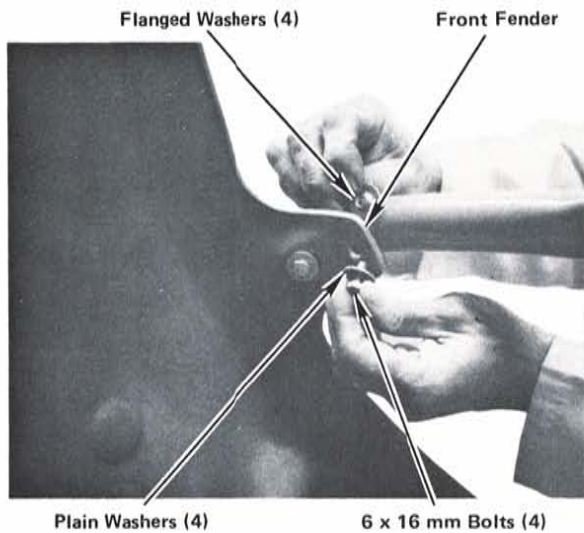


STEP 17—Remove castle nuts and plain washers from rear axle. Grease axle splines. Install rear wheels, with valve stems to the outside, using same plain washers and castle nuts.



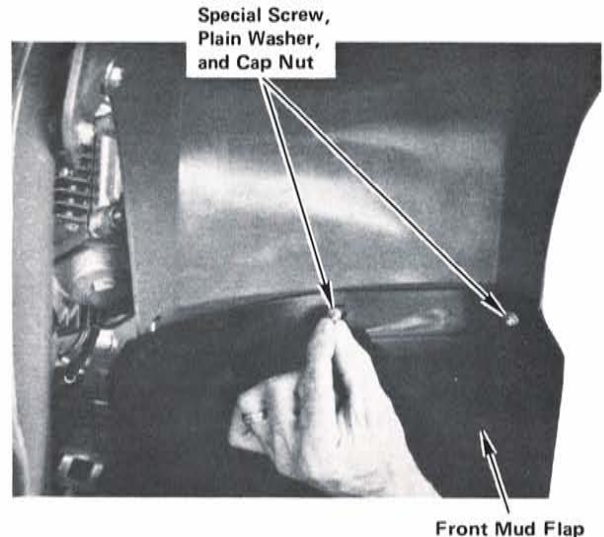
STEP 18—Tighten both rear axle nuts to specified torque and install a cotter pin in each. Spread cotter pin ends as shown.

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

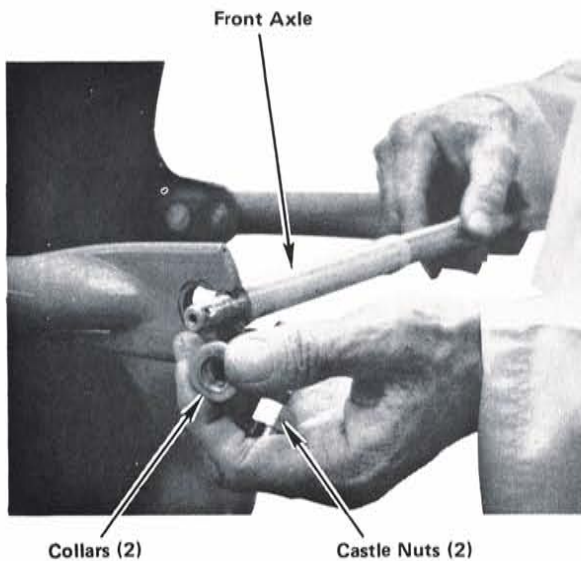


STEP 19—Install front fender using four 6 x 16 mm hex bolts, plain washers, and flanged washers. (Flanged washers go between the fender and forks.) Tighten bolts to specified torque.

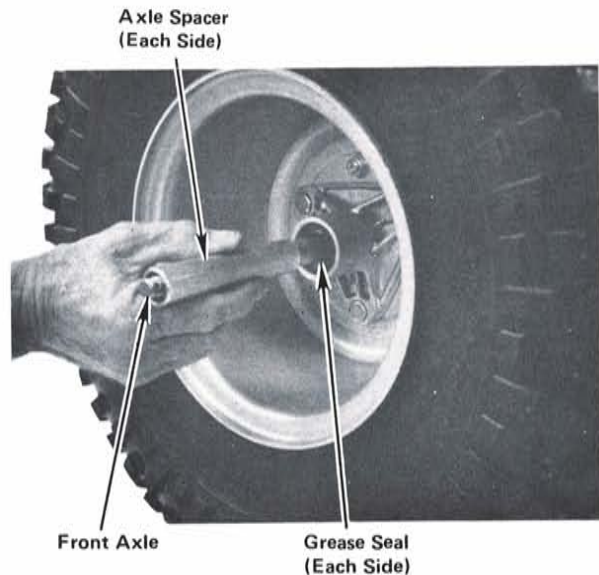
Torque specification:
0.8–1.2 kg-m (6–9 lbs-ft)



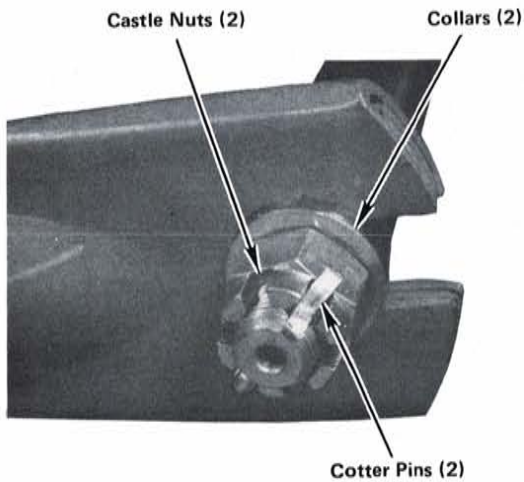
STEP 20—Install front fender mud guard under fender using three special screws inserted through fender and mud flap, with plain washers and cap nuts on mud flap side. Tighten securely.



STEP 21—Remove and clean front axle, axle spacer, and collars.

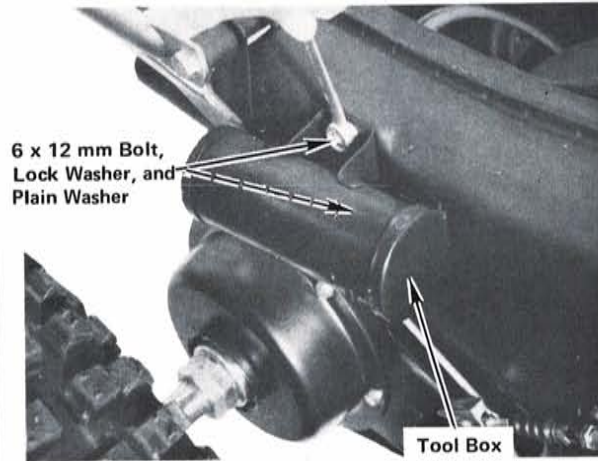


STEP 22—Insert front axle in front wheel hub. Grease front wheel hub seals and slip an axle spacer over each end of axle and into grease seal.



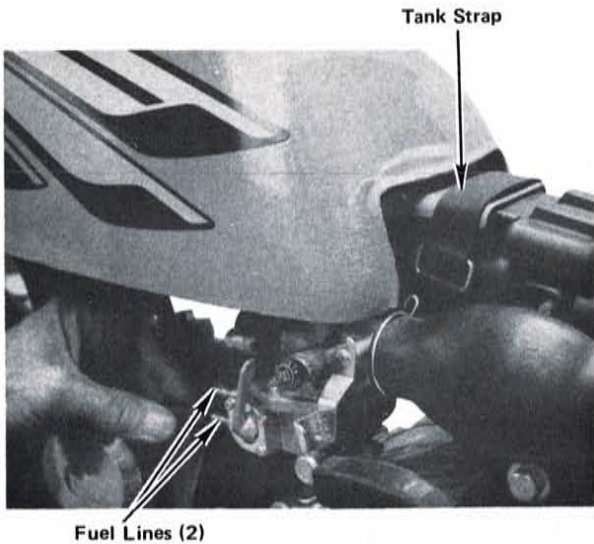
STEP 23—Install front wheel, using two collars and castle nuts. Tighten both axle nuts to specified torque and install a cotter pin in each. Spread ends of cotter pins and cut off as shown.

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

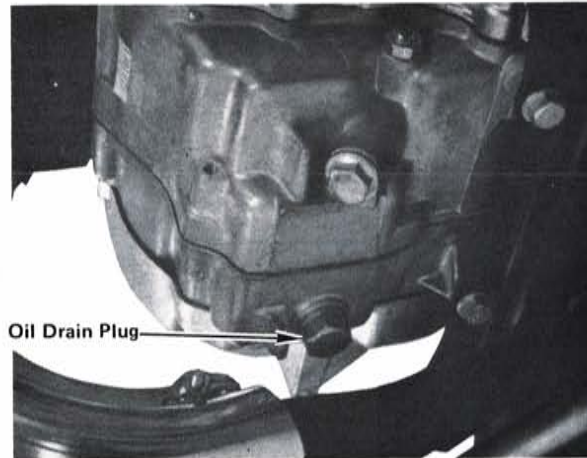


STEP 24—Install tool box using two 6 x 12 mm bolts, lock washers, and plain washers. Tighten bolts to specified torque.

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



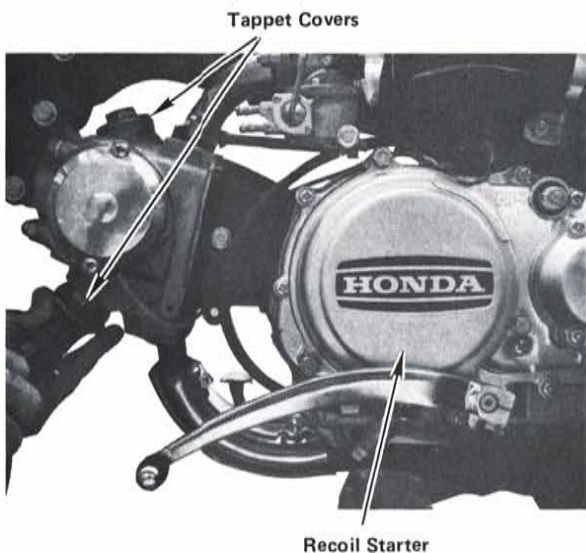
STEP 25—Lower vehicle onto its tires. Drain fuel tank as described in owner's manual. Remove fuel tank by disconnecting fuel lines and releasing tank strap. Inspect and flush tank. Clean fuel filter.



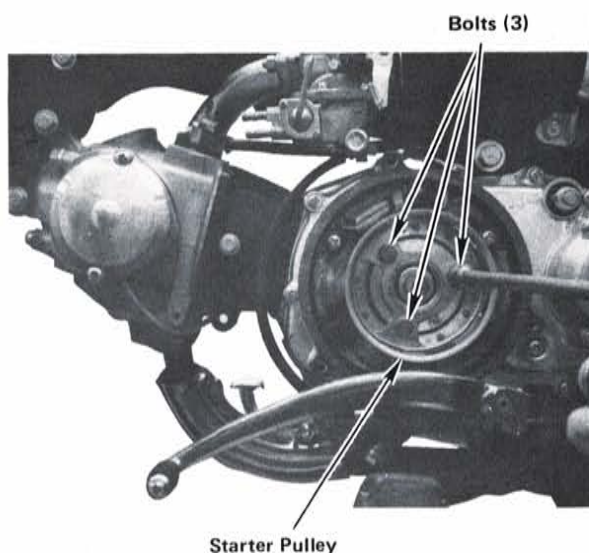
STEP 26—Remove crankcase drain plug and drain engine oil. Reinstall and tighten drain plug.

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

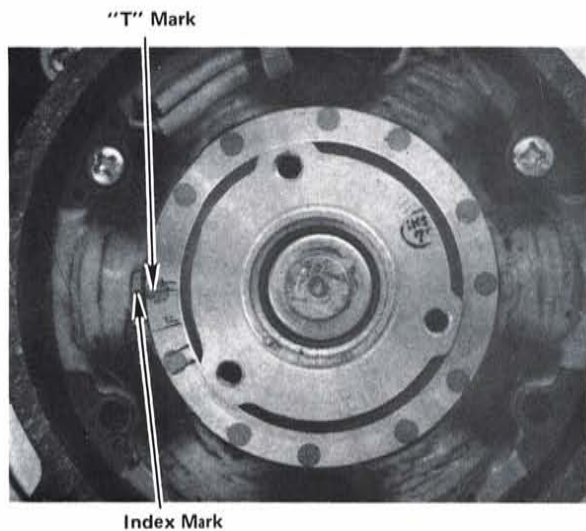
Refill crankcase with recommended oil as described in the owner's manual or shop manual.



STEP 27—Remove recoil starter and tappet covers.

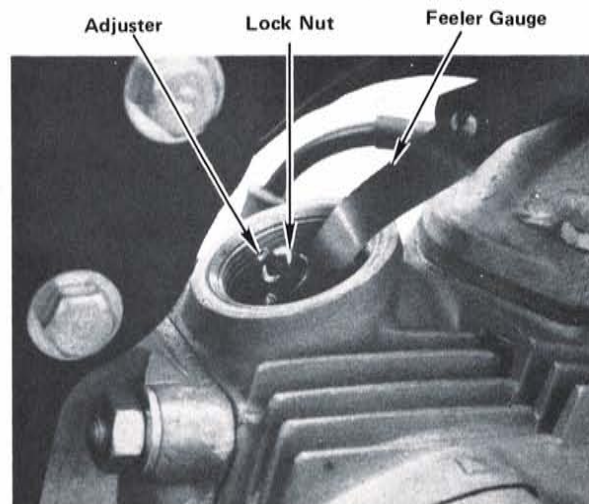


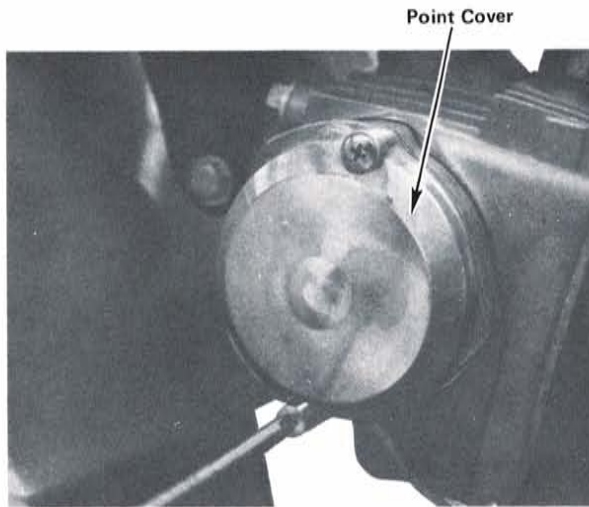
STEP 28—Remove starter pulley by removing three 6 mm hex bolts and lock washers.



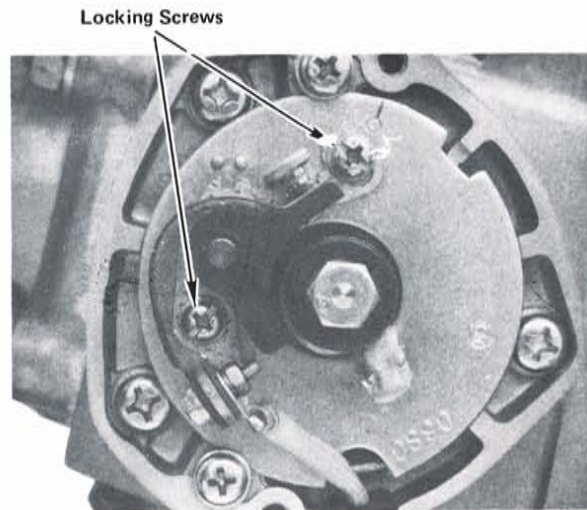
STEP 29—Turn rotor counterclockwise to the "T" mark with piston on compression. Check tappet clearance, and if necessary, adjust tappets as described in owner's manual or shop manual. Reinstall tappet covers.

Intake and exhaust: 0.05 mm (0.002 in.)



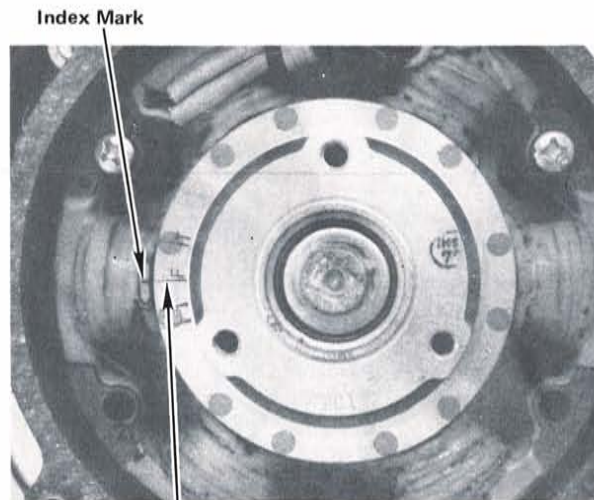


STEP 30—Remove point cover.



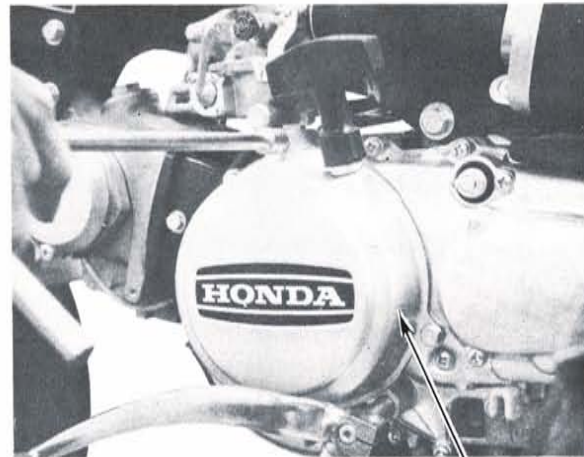
STEP 31—Check point gap. Adjust if necessary, as described in the owner's manual or shop manual.

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



"F" Mark

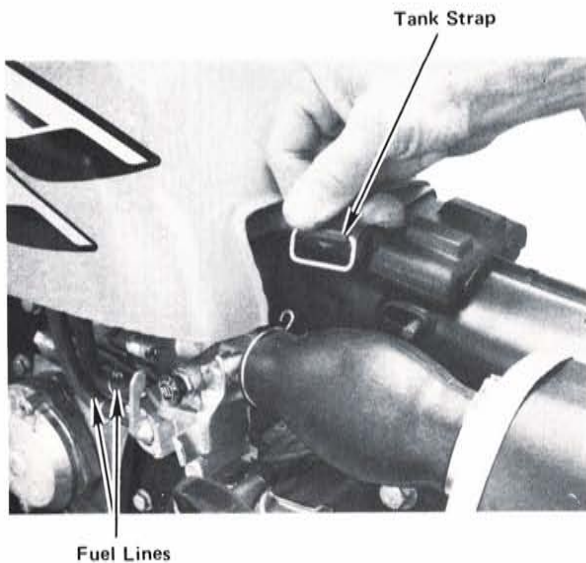
STEP 32—Turn rotor counterclockwise to the "F" mark. Check that points are just beginning to open. Adjust if necessary, as described in the owner's manual or shop manual.



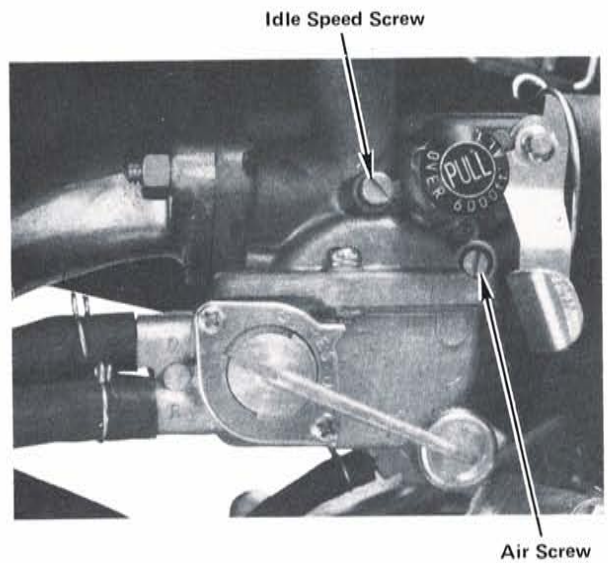
Recoil Starter

STEP 33—Reinstall starter pulley and recoil starter. Tighten hex bolts to specified torque. (The lock washers are used on the starter pulley.) Reinstall point cover.

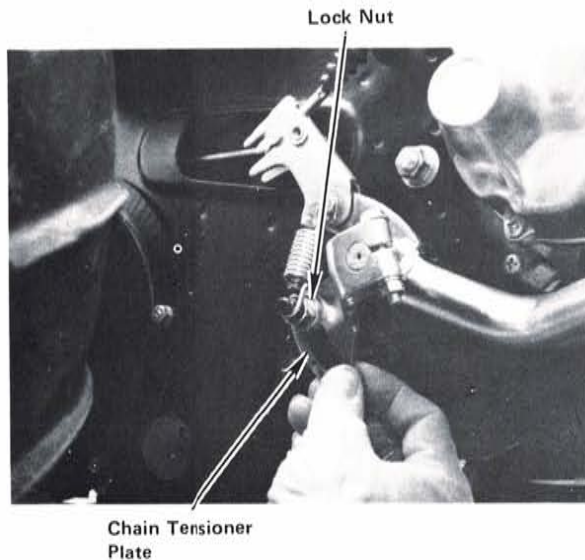
Torque specification:
0.8–1.2 kg-m (6–9 lbs-ft)



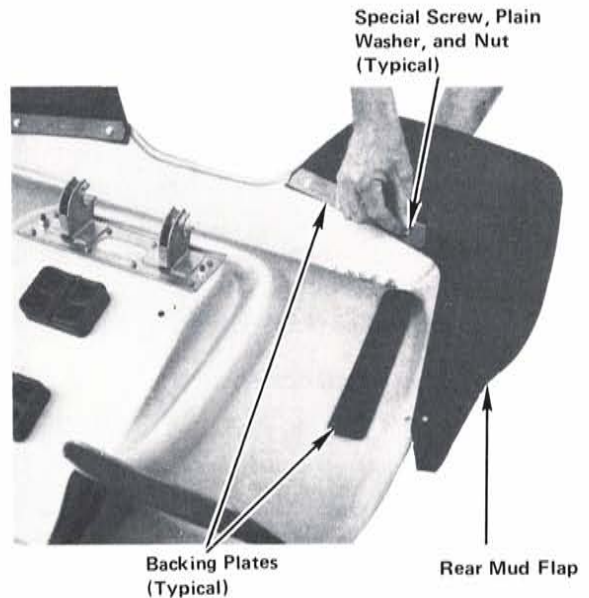
STEP 34—Reinstall fuel tank, connect fuel lines, hook tank strap, fill tank, turn petcock to ON, and check for leaks.



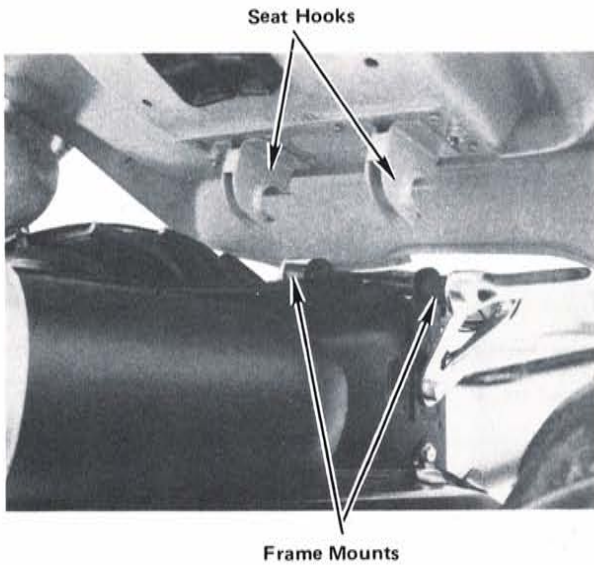
STEP 35—Adjust carburetor air screw, idle speed, and throttle lever free play, if necessary, as described in the owner's manual.



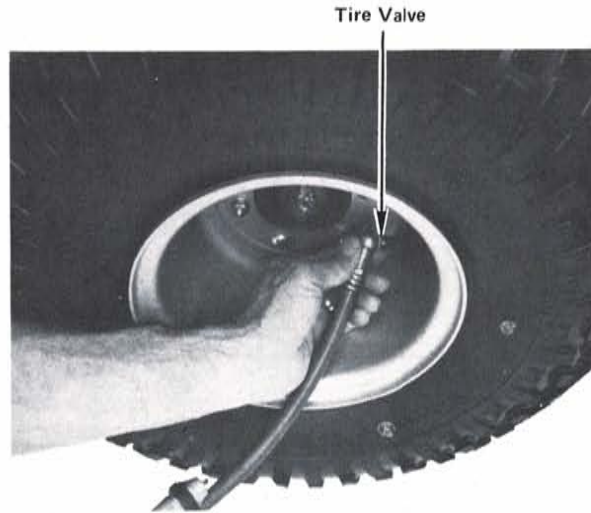
STEP 36—Adjust and lubricate drive chain as described in the owner's manual or shop manual.



STEP 37—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 38—Install and latch seat.



STEP 39—Inflate and check tire pressure.

All tires: 2.2 psi.

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

- Adjust rear brake, check cable routing and check operation.
- Drain oil from crankcase. Refill with recommended oil.
- Remove and inspect fuel tank, drain and flush.
- Clean petcock fuel filter.
- Check valve clearance; adjust if necessary.
- Reinstall fuel tank, fill, turn on petcock and check for leaks.
- Clean and check contact points and ignition timing; adjust if necessary.
- Adjust carburetor.
- Check throttle lever free play, cable routing, and operation in all steering positions.
- Adjust and lubricate drive chain.
- Check tire pressure: Front and rear: 2.2 psi.
- Inspect electrical components for proper operation and adjustment:
 - Headlight: Adjust.
 - Taillight.
 - Engine stop switch.
- Check security of all nuts, bolts, and other fasteners.
- 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, return to idle.
 - Upon completion of test ride, check for fuel and oil leaks.

1975 MODEL ATC90 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	39911	3194202
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

1976 and 1977 Model ATC90 Parts Package Contents will be supplied when available.

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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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