

# Set-up Instructions

# Model ATC90

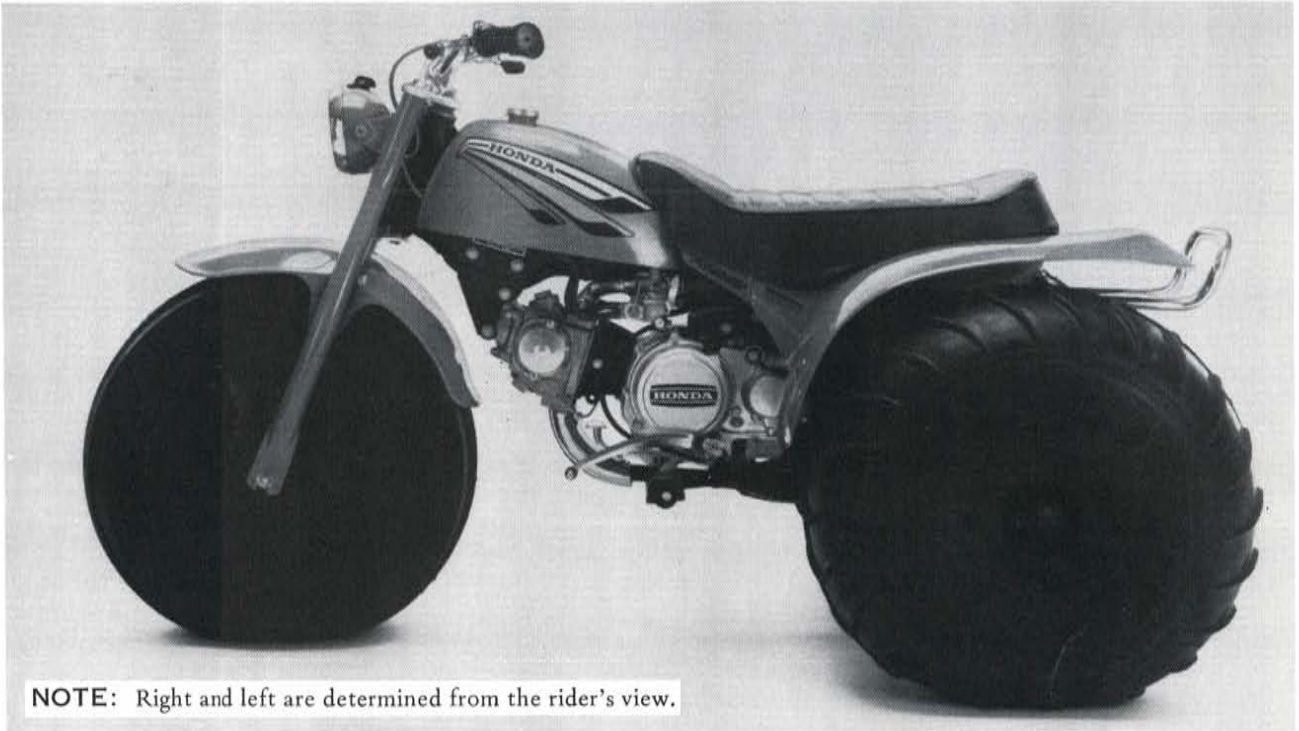
Revised 4/74



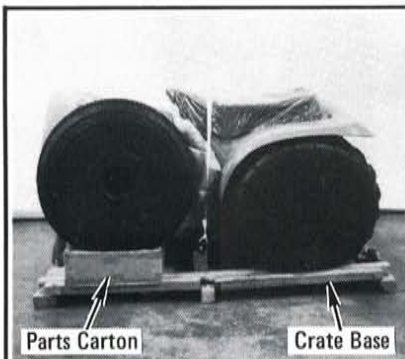
AMERICAN HONDA MOTOR CO., INC.  
100 WEST ALONDRA BOULEVARD, GARDENA, CALIFORNIA 90247

## WARNING TO DEALERS:

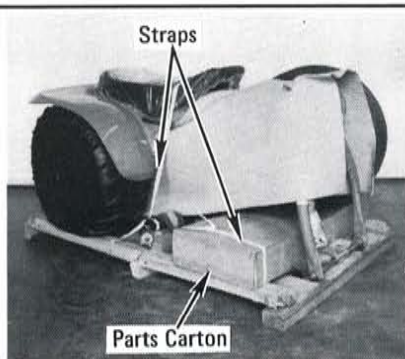
SET-UP AND PRE-DELIVERY SERVICE MUST BE PERFORMED BY AN AUTHORIZED HONDA MOTORCYCLE DEALER. Proper set-up and pre-delivery service is essential to rider safety and reliability of the motorcycle. When a customer takes delivery of his brand new motorcycle, he expects it to be in excellent running condition. 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.



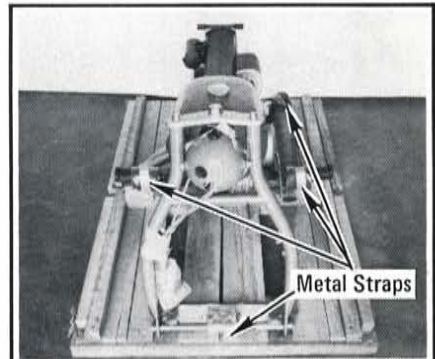
**NOTE:** Right and left are determined from the rider's view.



**STEP 1** - Remove carton cover, shipping crate top, sides, and ends. Remove plastic cover.



**STEP 2** - Cut straps and 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.

This revision replaces ATC-90 Set-up Instructions dated 10/70.

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1 OF 7

Front Fender And Attaching Hardware

Touch-up Paint

Owner's Manual

Handlebar And Attaching Hardware

Seat And Rear Fender

Front Tire

Carrying Handle And Attaching Hardware

Rear Tire

Axle Cap

Cotter Pins (5)

Valve Cores And Caps

Rear Axle Assembly

Rear Tire

**STEP 4** - Unpack loose parts and check against this illustration. Report any damaged or missing parts immediately to American Honda Motor Co., Inc., 100 W. Alondra Blvd., Gardena, California 90247.

Headlight

Attaching Bolts (2)

**STEP 5** - Remove headlight assembly and carefully lower it out of the way. Retain attaching hardware for reinstallation.

Handlebar

10mm Nuts & Lock Washers

**STEP 6** - Install handlebar, using two 10mm nuts and lock washers. Tighten nuts to specified torque. Torque specification: 400-480 kg. cm. (350-415 lbs. in.)

Brake Lever

Brake Cable

**STEP 7** - 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

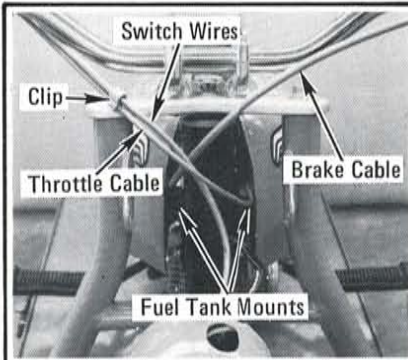
Mounting Plate

**STEP 8** - Separate throttle/switch assembly by removing the two 5mm 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 5mm screws and tighten securely. Throttle lever must not touch handgrip.

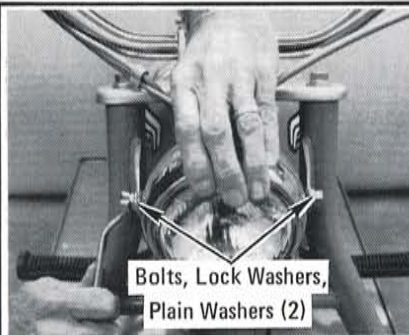
Spacer

5mm Screws

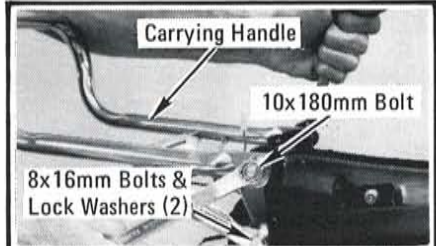




**STEP 9** - Clip ignition switch wires to throttle cable and check that throttle and brake cables are routed above fuel tank mounts as shown.

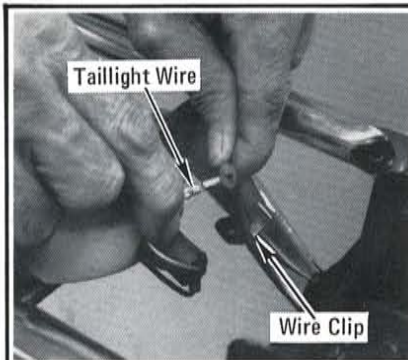


**STEP 10** - Remove protective covering from headlight and re-install headlight, using two 8mm hex bolts, lock washers, and plain washers retained. (Check that wires entering headlight case are connected color-to-color.) Tighten bolts securely.

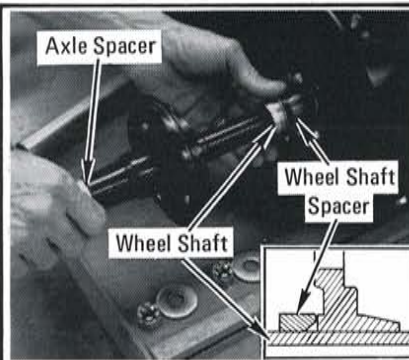


**STEP 11** - Install carrying handle, using two 8x16mm hex bolts and lock washers; and one 10x180mm hex bolt, lock washer, and nut. Tighten bolts and nuts to specified torque.

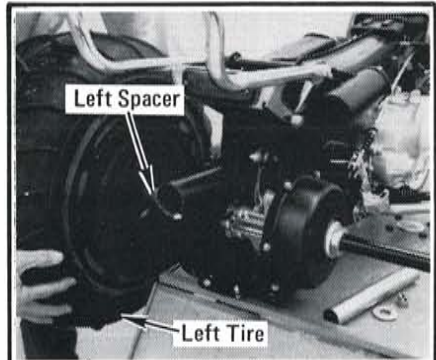
Torque specifications:  
 8mm bolts 200-240 kg. cm. (175-210 lbs. in.)  
 10mm nut 400-480 kg. cm. (350-415 lbs. in.)



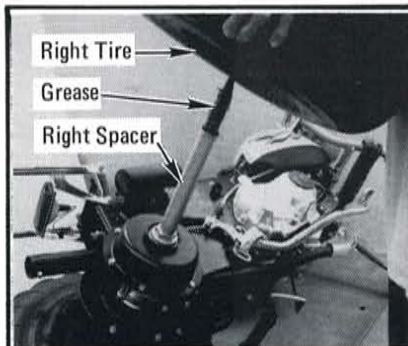
**STEP 12** - Connect taillight wire to wire harness and route wire through wire clip on carrying handle.



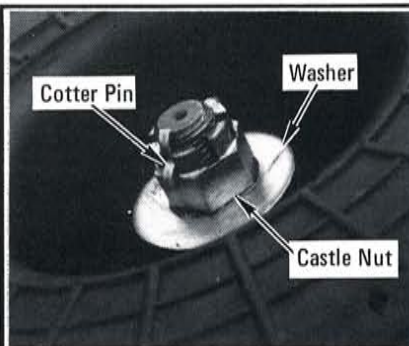
**STEP 13** - Remove nuts, washers, and right axle spacer from axle. Install rear axle, left axle spacer, and wheel shaft spacer from left side. Be sure chamfer of wheel shaft spacer faces wheel shaft.



**STEP 14** - Grease left axle splines and install left rear tire using special washer and castle nut.

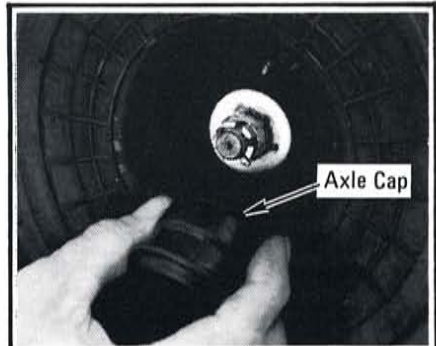


**STEP 15** - Slide right axle spacer over axle, grease splines, and install right rear tire, using special washer and castle nut.



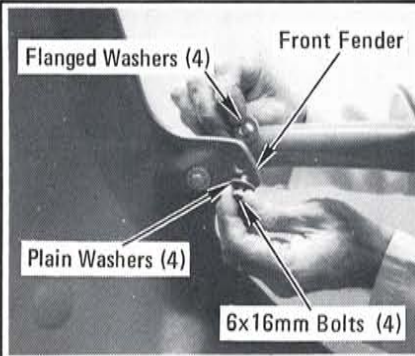
**STEP 16** - Tighten both rear axle nuts to specified torque and install a cotter pin in each. Spread ends of cotter pins and clip as shown.

Torque specifications:  
 600-800 kg. cm. (520-695 lbs. in.)

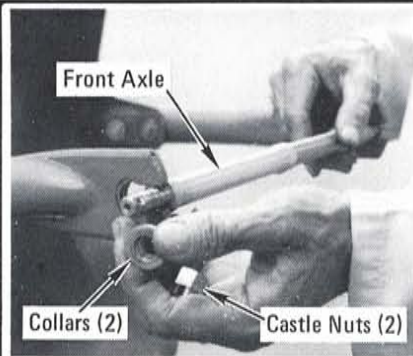


**STEP 17** - Install axle caps on ends of rear axle. Install valve cores and valve caps. Stand vehicle up on the rear tires and carrying handle.

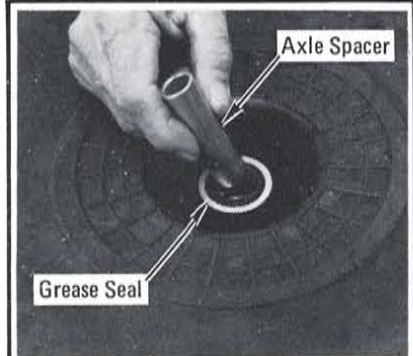




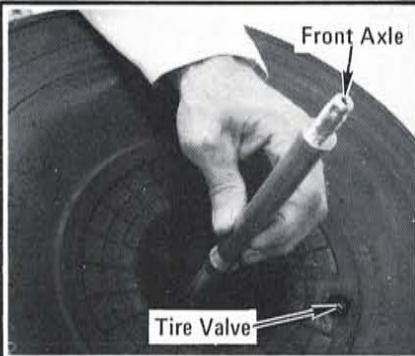
**STEP 18** - Install front fender, using four 6x16mm hex bolts, plain washers, and flanged washers. (Flanged washers go between the fender and forks.) Tighten bolts securely.



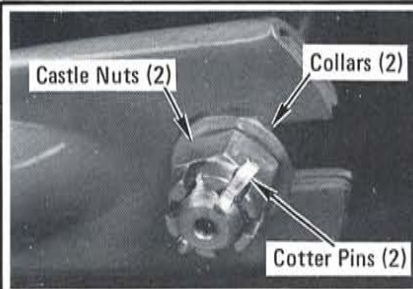
**STEP 19** - Remove and clean front axle, axle spacer, and collars.



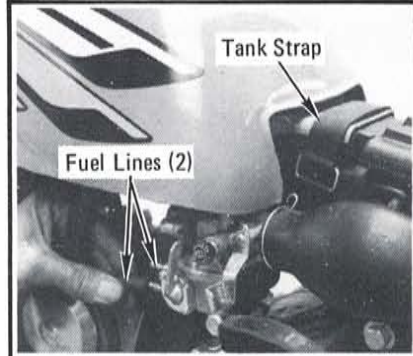
**STEP 20** - Fill grease seal in front wheel hub with grease and insert axle spacer.



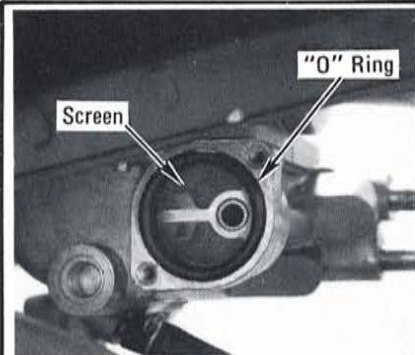
**STEP 21** - Insert the front axle through front wheel hub and axle spacer from the tire valve side.



**STEP 22** - 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. Install valve core and cap. Torque specifications: 600-800 kg. cm. (520-695 lbs. in.)



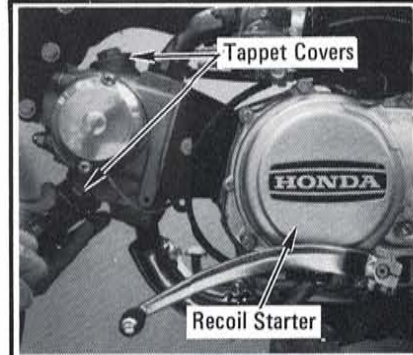
**STEP 23** - Lower vehicle onto its tires. Drain fuel tank as described in owner's manual. Remove fuel tank by disconnecting fuel lines and releasing tank strap. Inspect and flush tank.



**STEP 24** - Clean fuel filter as described in owner's manual.

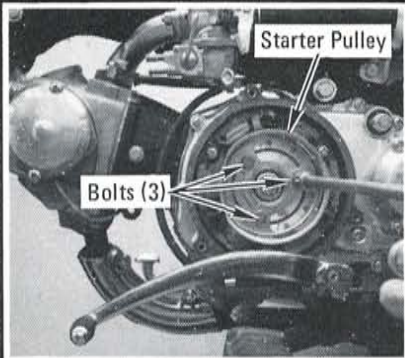


**STEP 25** - Remove crankcase drain plug and drain engine oil. Reinstall and tighten drain plug. Refill crankcase with recommended oil as described in the owner's manual or shop manual.

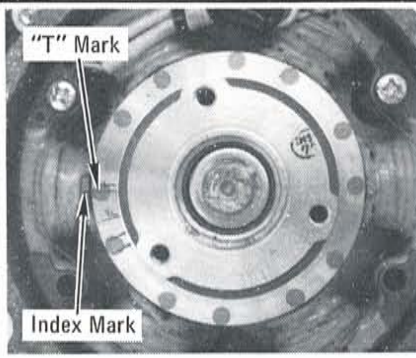


**STEP 26** - Remove recoil starter and tappet covers.



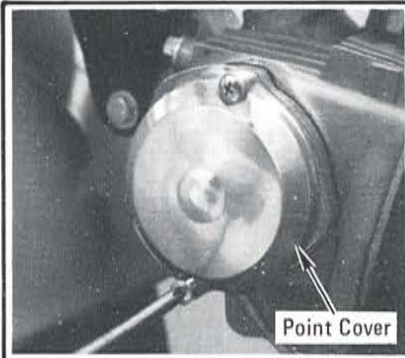
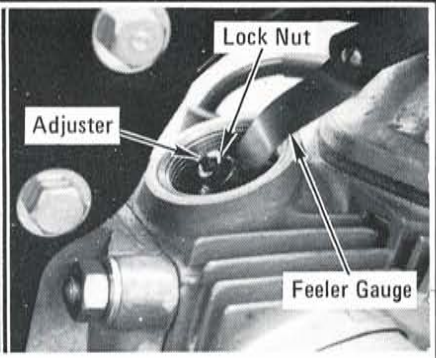


**STEP 27** - Remove starter pulley by removing three 6mm hex bolts and lock washers.

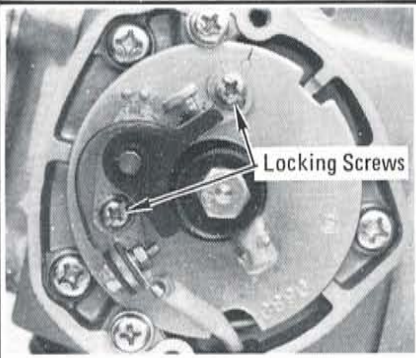


**STEP 28** - Turn rotor counterclockwise to the "T" mark with piston on compression. Check tappet clearance, and if necessary, adjust tappets as described in owner's manual or shop manual. Reinstall tappet covers.

Intake and exhaust: 0.05mm (0.002 in.)

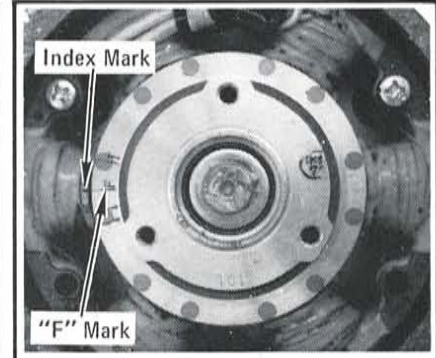


**STEP 29** - Remove point cover.

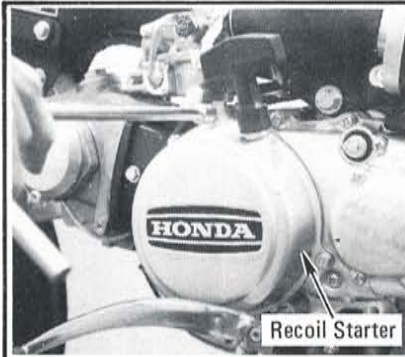


**STEP 30** - Check point gap. Adjust if necessary, as described in the owner's manual or shop manual.

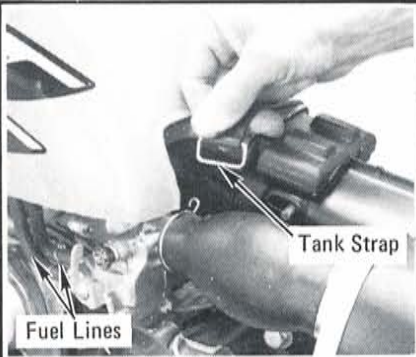
Point gap: 0.3 - 0.4mm  
(0.012 - 0.016 in.)



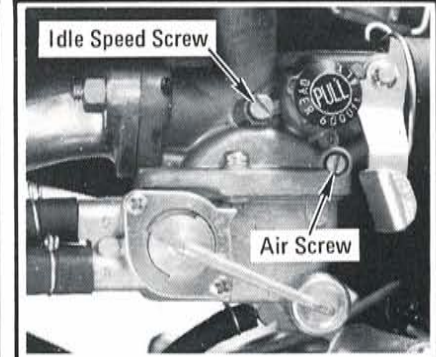
**STEP 31** - Turn rotor counterclockwise to the "F" mark. Check that points are just beginning to open. Adjust if necessary, as described in the owner's manual or shop manual.



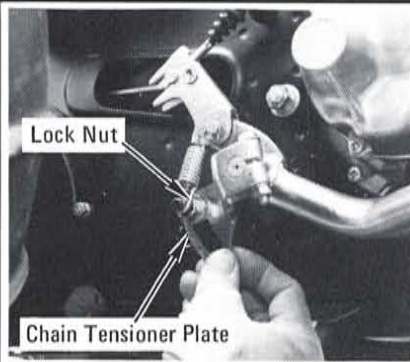
**STEP 32** - Reinstall starter pulley and recoil starter. Tighten hex bolts securely. (The lock washers are used on the starter pulley.) Reinstall point cover.



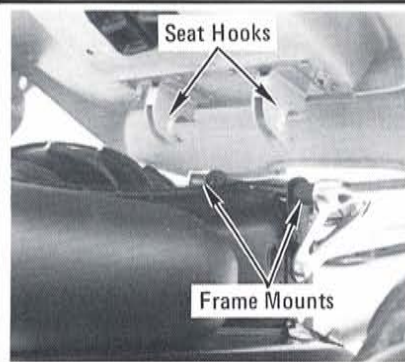
**STEP 33** - Reinstall fuel tank, connect fuel lines, hook tank strap, fill tank, turn petcock to ON, and check for leaks.



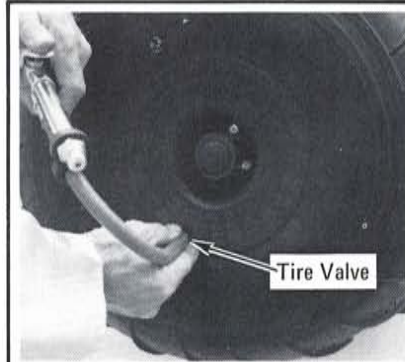
**STEP 34** - Adjust carburetor air screw, idle speed, and throttle lever free play, if necessary, as described in the owner's manual.



**STEP 35** - Adjust and lubricate drive chain as described in the owner's manual or shop manual.



**STEP 36** - Install and latch seat.



**STEP 37** - Check tire pressure.  
All tires: 1.5 psi

**NOTE:** Check all items listed on the following Pre-delivery Service Check List. 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: 1.5 psi.
- Inspect electrical components for proper operation and adjustment:
  - Headlight: Adjust.
  - Taillight.
- 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.



MODEL ATC-90K2

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	37716	61100-942-000BB
Carrying handle	38097	81200-942-000
Carrying handle taillight	37697	33700-942-000
Owner's manual	37820	3194201
Axle cap (2 reqd.)	23513	42325-918-000
Touch-up paint		Not Available
Cotter pin (5 supplied) 3.0x30	05843	94201-30300
Valve cores (3 reqd.)		Not Available Separately
Valve caps (3 reqd.)		Not Available Separately
Handlebar complete:		
Handlebar	23465	53100-918-020XW
Lower holders (2 reqd.)	27861	95014-32100
Upper holders (2 reqd.)	26889	95014-21100
Brake hand lever	23405	53190-918-010
Brake hand lever bracket	23472	53172-918-000
Handgrips (2 reqd.)	29048	53166-918-000
Spacer	26306	53152-918-000
Hex bolts, 6x28 (4 reqd.)	17012	90117-065-000
Plain washer, 6mm (4 reqd.)	05907	94101-06000
Hex bolts 6x16 (4 reqd.) front fender	05423	92000-06016
Hex bolts 8x16 (2 reqd.) carrying handle	14543	92000-08016-0A
Hex bolt 10x180 (1 reqd.) carrying handle	26307	90196-918-000
Washer, flanged (4 reqd.) front fender	29937	64348-086-000
Washer, plain 6.5x20 (4 reqd.) front fender	14491	90545-292-000
Washer, lock 8mm (2 reqd.) carrying handle	05898	94111-08000
Washer, lock 10mm (3 reqd.) handlebar, carrying handle	05900	94111-10000
Nut, 10mm (3 reqd.) handlebar, carrying handle	14539	94001-10000-0S

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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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