Set-up Instructions



MPD 6225 8308

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

1984 Model ATC 200ES

WARNING

WARNING

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SET-UP AND PRE-DELIVERY SERVICE MUST BE PERFORMED BY AN AUTHORIZED HONDA MOTORCYCLE DEALER. Proper set-up and pre-delivery service is essential to rider safety and reliability of the ATC. When a customer takes delivery of his brand new ATC, he expects it to be in excellent running condition. There are few things that will cause greater customer dissatisfaction than poor preparation of a new unit. An error or oversight made by the mechanic assembling and servicing a new unit can easily result in faulty operation, damage to the machine, or even injury to the rider.



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

Date of Issue: 8/83

SET-UP INSTRUCTION REVISED PAGES

Pages Affected

Orig. Issue Date

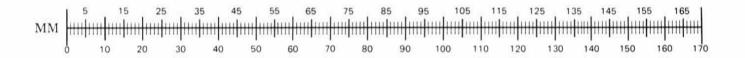
Rev. Date

1 through 28

8/83

Original

Remove and destroy superseded pages.



METRIC SCALE FOR DETERMINING BOLT LENGTHS/DIAMETERS

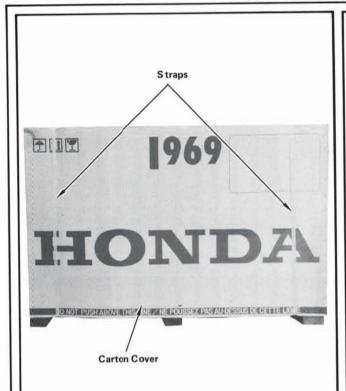
Pay special attention to warnings, cautions, and notes.

WARNING

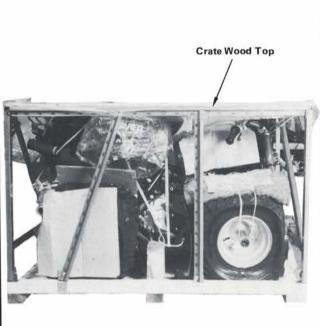
means hazards or unsafe practices which could cause severe personal injury or death.

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

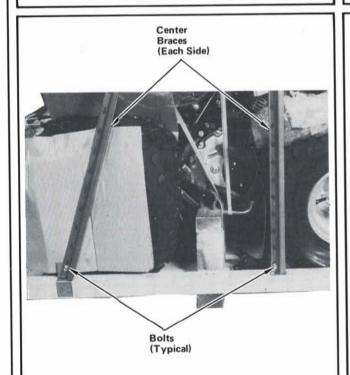
NOTE: gives helpful information.



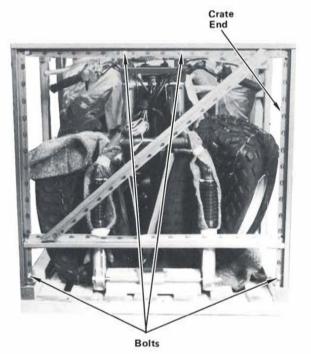
STEP 1—Cut straps and remove carton cover by lifting it up.



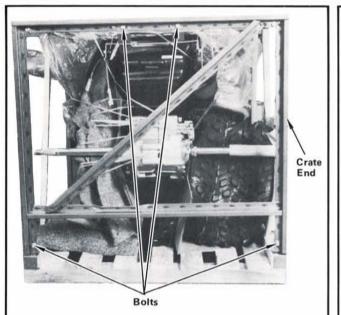
STEP 2-Remove crate wood top.



STEP 3—Remove bolts attaching center braces to crate base and crate top. Discard bolts and remove loose braces.

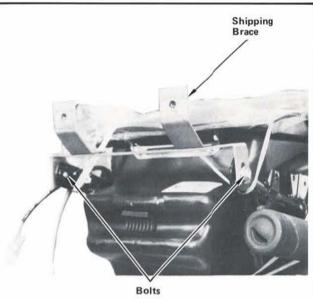


STEP 4—Remove four bolts attaching crate front end frame to crate base and front shipping brace. Discard bolts.

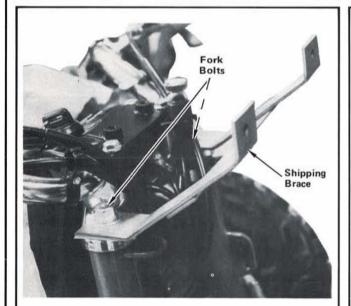


STEP 5—Remove four bolts attaching crate rear end frame to crate base and rear shipping brace. Carefully lift off crate metal frame using two people. Discard crate frame and bolts.

CAUTION: Use care not to damage ATC when lifting off crate frame.

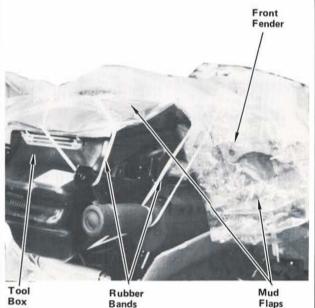


STEP 6—Remove two bolts attaching rear shipping brace to frame. Discard brace and bolts.

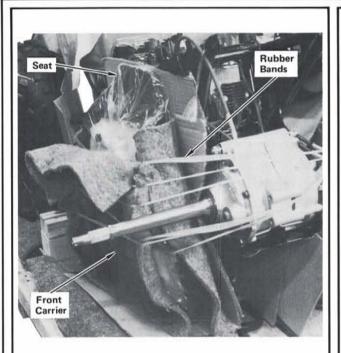


STEP 7—Loosen two fork bolts and remove shipping brace. Retighten bolts to specified torque.

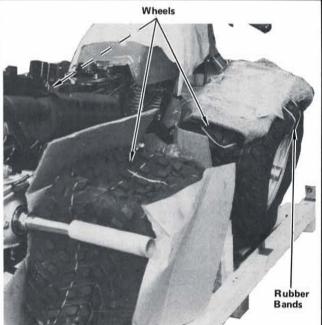
Torque specification: 6.0 kg-m (44 lb-ft)



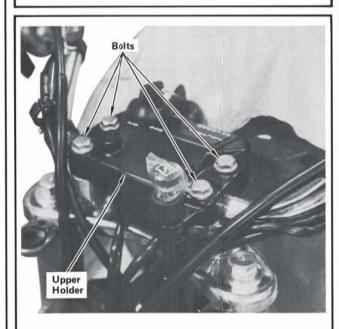
STEP 8—Remove rear mud flaps, tool box, and front and rear fenders by removing rubber bands.



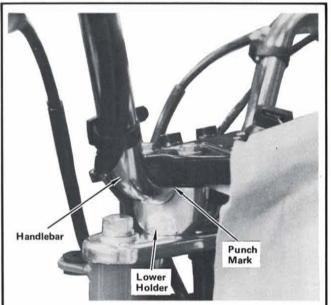
STEP 9—Remove seat and front carrier by removing rubber bands.



STEP 10—Remove rubber bands and remove front and rear wheels, luggage carrier braces, carrying handle, tool box protector, and trailer hitch.

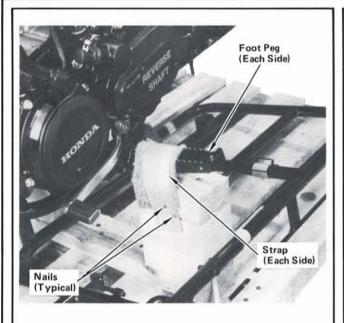


STEP 11—Loosen four bolts attaching handlebar upper holder.

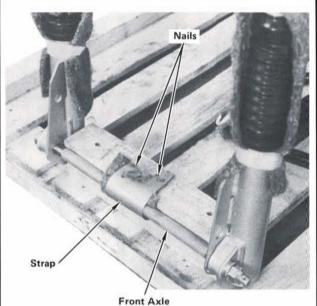


STEP 12—Lift handlebar grips up until punch mark on handlebar is aligned with top of lower holder. Tighten front bolts to specified torque first, then tighten rear bolts to same torque.

Torque specification: 2.4 kg-m (17 lb-ft)

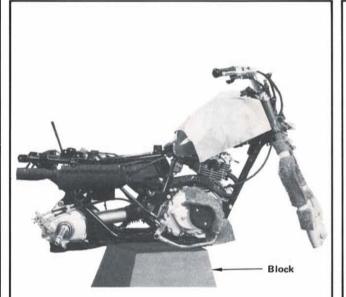


STEP 13—Remove nails and remove straps holding foot pegs to crate base. Discard straps and nails.



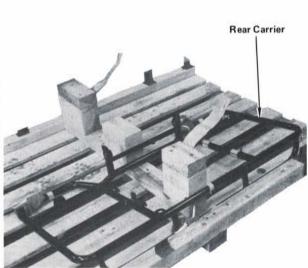
STEP 14—Remove nails and remove strap holding front axle to crate base. Discard strap and nails.

CAUTION: Support rear of ATC so it will not tip down when front axle strap is removed.

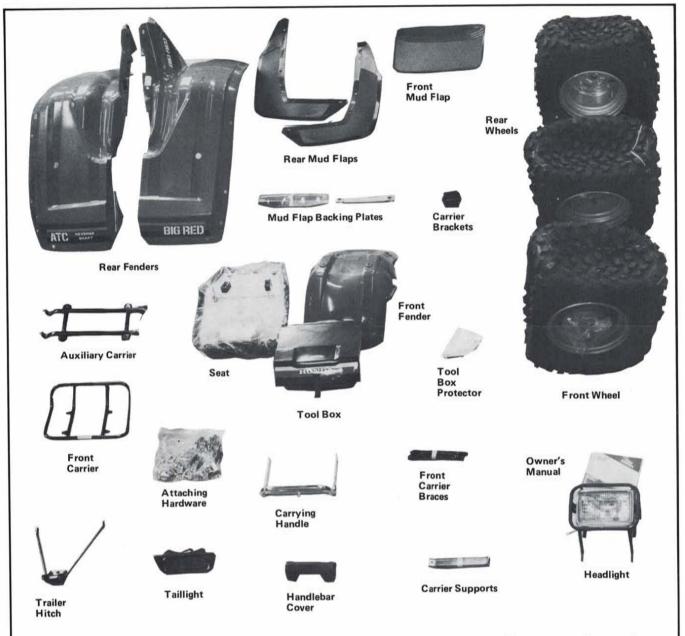


STEP 15—Carefully remove ATC from crate base using two people and support on a padded block centered under engine as shown. Remove protectors from engine and front forks.

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



STEP 16—Remove rear carrier from crate base by removing ties and bands.



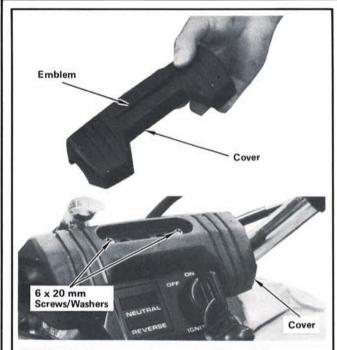
STEP 17—Unpack remaining loose parts and check against this illustration. Report any damaged or missing parts immediately to American Honda Motor Co., Inc., 100 West Alondra Blvd., Gardena, California 90247.

Damaged or Missing Parts

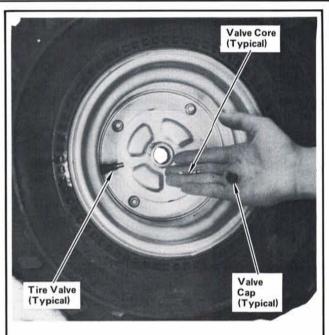
Identify missing parts by referring to the "Loose Parts List" at the end of the set-up. Order parts through normal parts ordering procedures.

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

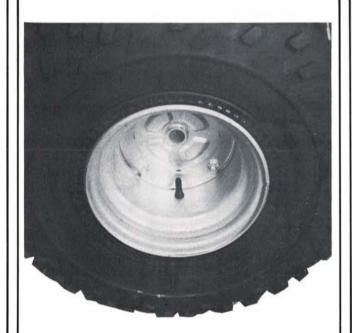
- For parts lost or damaged in transit, file a SHIPPING DAMAGE CLAIM.
- For parts left out by the factory, file a M/C WARRANTY CLAIM SO 908.



STEP 18—Press emblem out of handlebar cover. Position cover over handlebar upper holder as shown and install using two 6 x 20 mm screws/washers. Tighten screws securely and reinstall emblem.

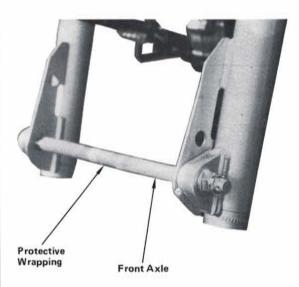


STEP 19—Remove valve cap from each tire valve and tighten valve core.

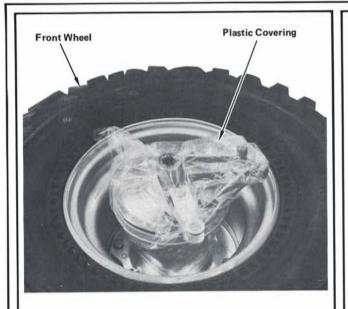


STEP 20—Inflate and check tire pressure of all three tires.

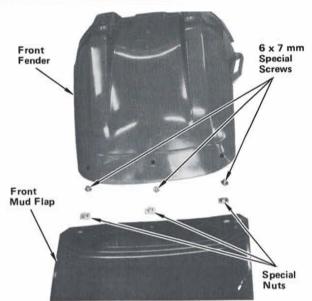
Tire pressure: 2.2 psi.



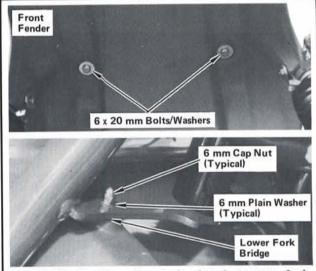
STEP 21—Remove front axle from fork legs. Remove and discard protective wrapping.



STEP 22—Remove and discard plastic covering from front brake by removing rubber band.

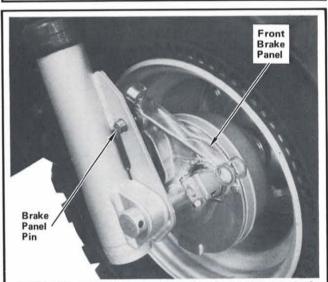


STEP 23—Check front fender, mud flap, and attaching hardware as shown. Position mud flap under front fender and install using three 6 x 7 mm special screws inserted down through fender and mud flap, with special nuts up through mud flap. Position special nuts across mud flap as shown. Tighten screws securely.

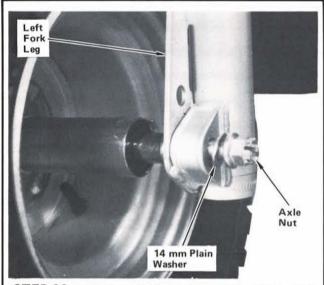


STEP 24—Position front fender between fork legs with mud flap towards rear. Install front fender using four 6 x 20 mm bolts and flanged washers. Two into fork legs, and two up through fender and lower fork bridge with a 6 mm cap nut and plain washer above lower fork bridge. Tighten bolts and nuts to specified torque.

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

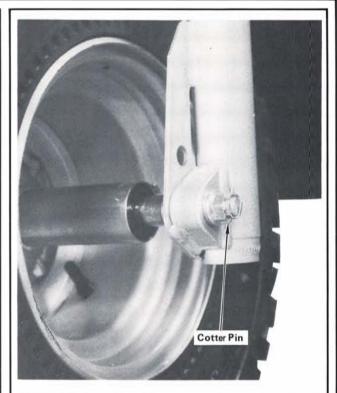


STEP 25—Position front wheel between fork legs, with brake panel on right, being sure to insert pin on brake panel into hole in right fork leg as shown.

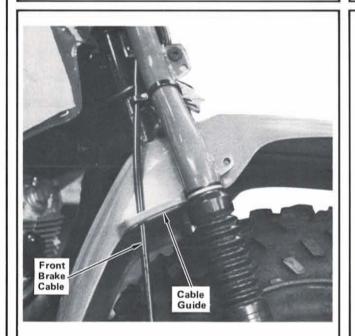


STEP 26—Insert front axle from right side through fork leg, front brake panel, front wheel, collar, and left fork leg. Install 14 mm plain washer and axle nut on axle. Tighten axle nut to specified torque while aligning cotter pin holes.

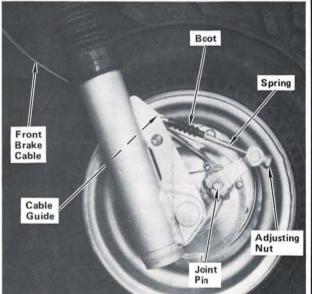
Torque specification: 7.0 kg-m (51 lb-ft)



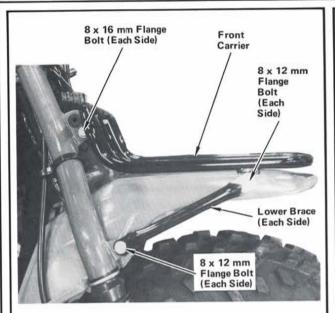
STEP 27—Insert cotter pin and spread ends of cotter pin as shown.



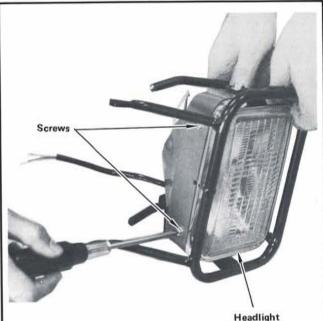
STEP 28—Route front brake cable down through cable guide on front fender and on front brake panel.



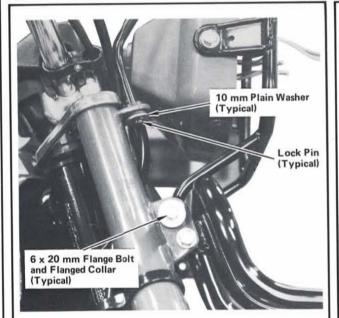
STEP 29—Slip brake return spring over end of front brake cable. Connect brake cable to brake arm using a joint pin and cable adjusting nut. Adjust front and rear brakes as described in Steps 74 through 76.



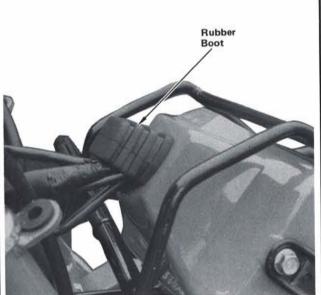
STEP 30—Position front carrier as shown and install using two 8×16 mm flange bolts into fork tabs as shown. Install lower braces using two 8×12 mm flange bolts for each. Tighten bolts securely.



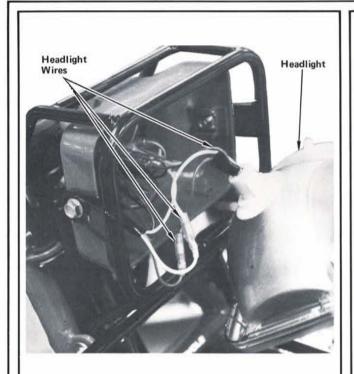
STEP 31—Remove headlight from headlight case by removing two screws. Retain screws for reinstallation.



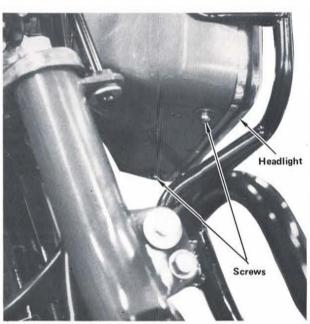
STEP 32—Insert upper arms of headlight protector down through rubber grommets as shown and install using a 10 mm plain washer and lock pin for each arm. Attach lower arms of protector using a 6 x 20 mm flange bolt and flanged collar for each. Tighten bolts securely.



STEP 33—Insert connectors into headlight case and hook first groove of rubber boot into hole in headlight case as shown.

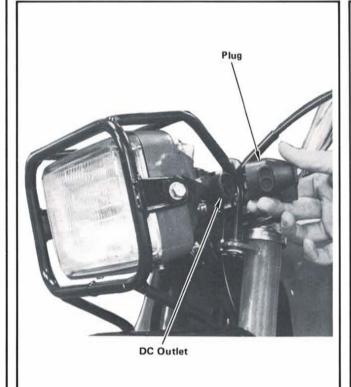


STEP 34—Connect headlight wires to wire harness color-to-color.

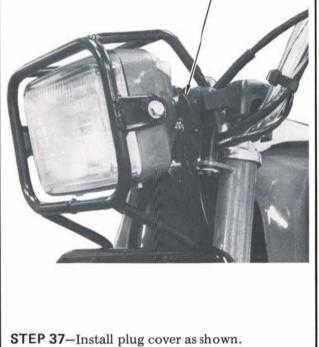


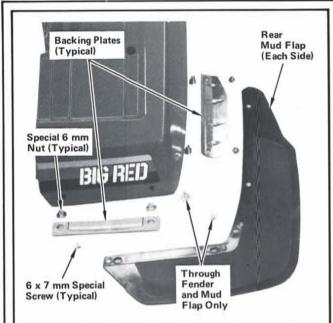
STEP 35—Reinstall headlight in headlight case using screws removed in Step 31.

DC Plug Cover

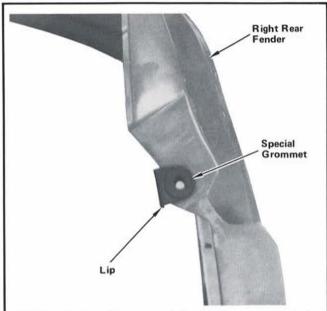


STEP 36-Insert plug into DC outlet.

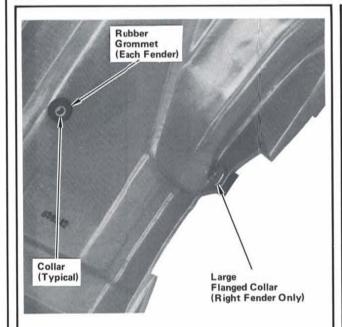




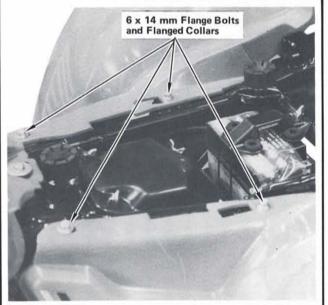
STEP 38—For each rear fender, position rear mud flap under fender and install using five 6 x 7 mm special screws inserted down through fender, mud flap, backing plates, and into special 6 mm nuts. (Indicated screw does not go through a backing plate.) Tighten all screws securely.



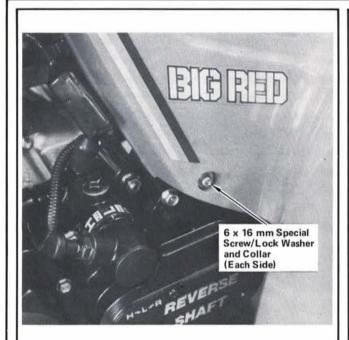
STEP 39—Install a special rubber grommet in the side of the right rear fender, with the large side facing out and the lip of the grommet over the edge of the fender as shown.



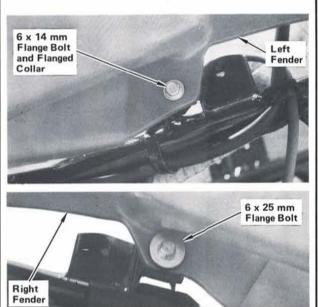
STEP 40—Insert a round rubber grommet into hole in top of each rear fender. Insert a collar into each of these grommets as shown. Insert a large flanged collar through special rubber grommet in right fender, from under fender as shown.



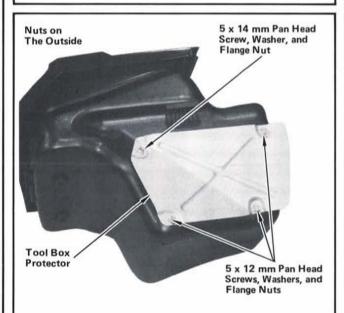
STEP 41—Install right and left rear fenders as shown using four 6 x 14 mm flange bolts and flanged collars. Do not tighten bolts at this time.



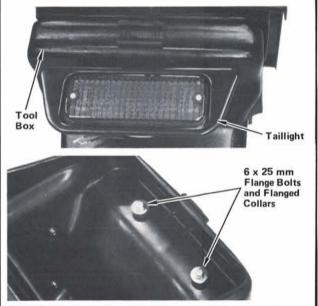
STEP 42—Attach forward end of rear fenders using a special 6 x 16 mm screw/lock washer and collar for each side as shown. Do not tighten screws at this time.



STEP 43—Attach rear end of rear fenders using a 6×14 mm flange bolt and flanged collar for left side and a 6×25 mm flange bolt for right side. Tighten all seat attaching bolts and screws securely.



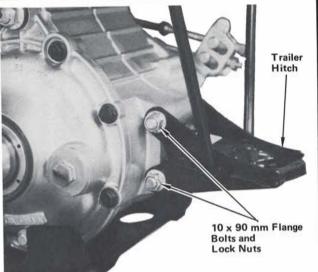
STEP 44—Attach tool box protector to tool box, positioned as shown, using one 5 x 14 mm pan head screw and washer, and three 5 x 12 mm pan head screws and washers, inserted through holes from inside tool box, out through tool box protector. Install a 5 mm flange nut on each screw and tighten securely.



STEP 45—Install taillight on tool box as shown using two 6 x 25 mm flange bolts and flanged collars. Tighten bolts securely.

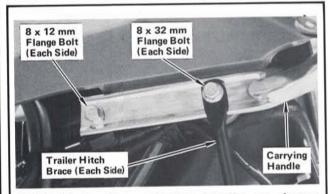


STEP 46—Position tool box between rear fenders, making sure rubbers on tool box are aligned with frame tubes.



STEP 47—Position trailer hitch on final drive gearcase as shown, and install using two 10 x 90 mm flange bolts and lock nuts. Tighten nuts to specified torque.

Torque specification: 4.0 kg-m (30 lb-ft)



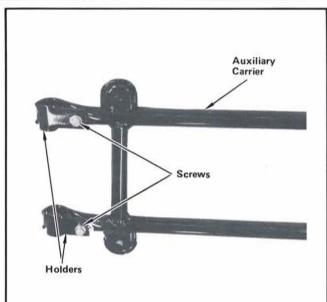
STEP 48—Position carrying handle on frame with curve up, and forward against tool box as shown. Align holes of carrying handle, rear fender, and frame. Install carrying handle using two 8 x 12 mm flange bolts through forward holes and into frame. Align holes of trailer hitch braces with rear holes of carrying handle and install using two 8 x 32 mm flange bolts. Tighten all four bolts to specified torque.

Torque specification: 2.2 kg-m (16 lb-ft)

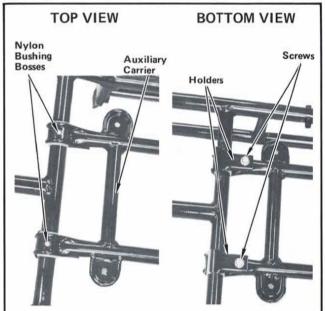
CAUTION: Use extreme care not to pinch taillight wires between carrying handle and trailer hitch braces.



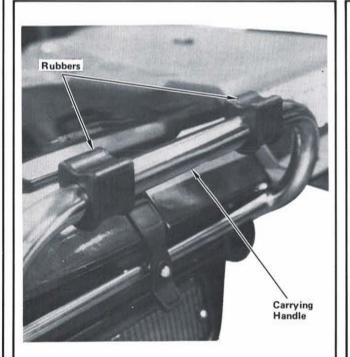
STEP 49—Connect taillight wires to wire harness color-to-color.



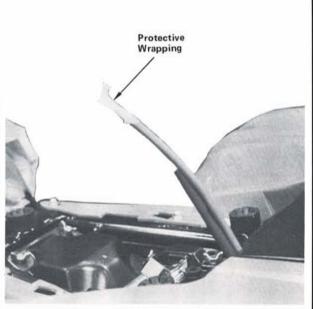
STEP 50—Remove and retain two screws attaching auxiliary carrier holders.



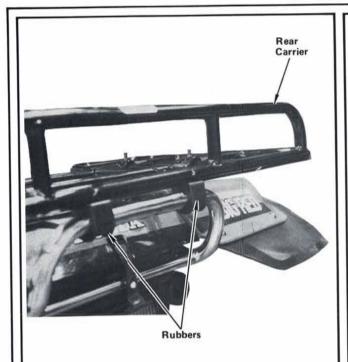
STEP 51—Position auxiliary carrier on rear carrier by inserting bosses of nylon bushings into holes of auxiliary carrier. Reinstall holders on auxiliary carrier, using screws removed in previous step. (Screws are inserted from underneath.) Tighten screws securely. Hook retaining straps onto auxiliary carrier hooks.



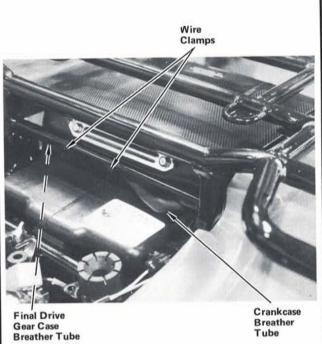
STEP 52—Install carrying handle rubbers on carrying handle as shown.



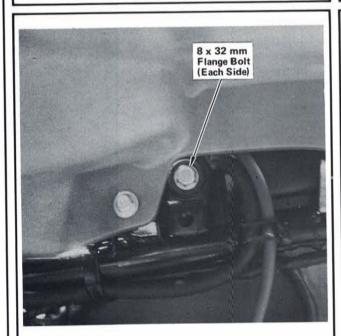
STEP 53—Remove protective wrapping from final drive gear case breather tube.



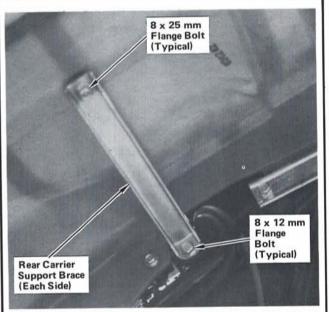
STEP 54-Position rear carrier on frame as shown, aligned with carrying handle rubbers.



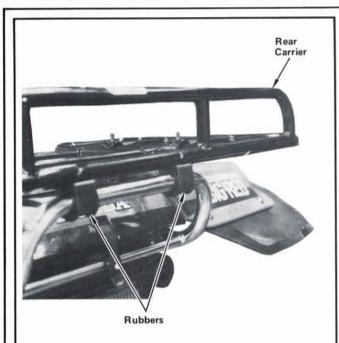
STEP 55—Route final drive gear case and crankcase breather tubes through wire clamps on rear carrier as shown.



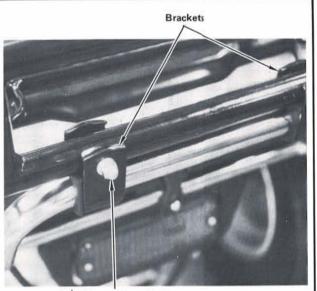
STEP 56—Install rear carrier using an 8×32 mm flange bolt on each side as shown. Tighten bolts securely.



STEP 57—Position rear carrier support braces under each rear fender as shown and install using an 8×25 mm flange bolt through upper hole and into rear carrier, and an 8×12 mm flange bolt through lower hole into frame for each. Tighten bolts securely.

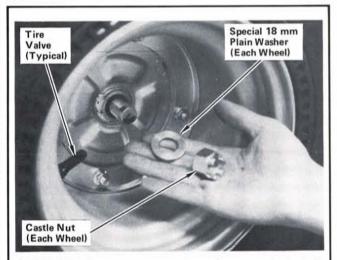


STEP 58—Align rear of rear carrier with rubbers on carrying handle as shown.



6 x 45 mm Flange Bolt, Plain Washer, Lock Washer, and Cap Nut (Typical)

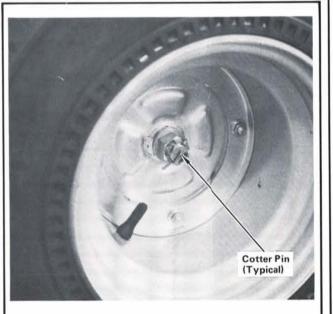
STEP 59—Slip a rear carrier bracket over each rubber as shown. Attach rear carrier brackets to rear carrier as shown using a 6 x 45 mm flange bolt, plain washer, lock washer, and cap nut for each. Tighten bolts securely.



STEP 60—Grease rear axle splines and install rear wheels, with valve stems to the outside, using a special 18 mm plain washer and castle nut for each.

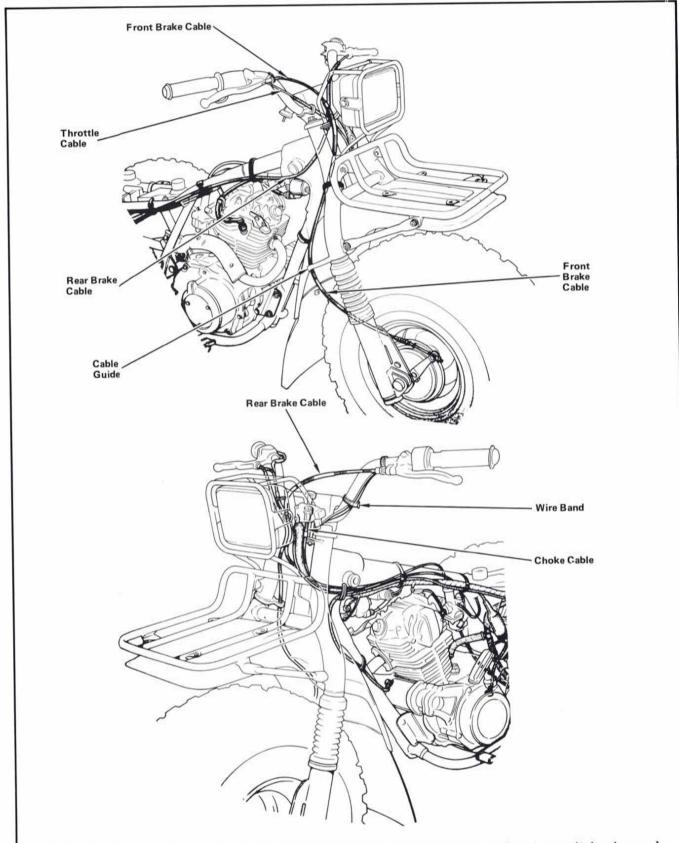
NOTES:

- Install rear wheels so tire tread directional pattern will be same as front tire.
- Install 18 mm special plain washers with "OUTSIDE" marking facing out.

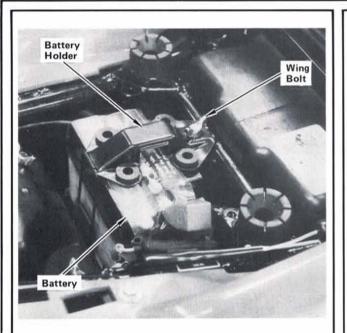


STEP 61—Tighten both rear axle nuts to specified torque and install a cotter pin in each. Spread ends of cotter pin as shown.

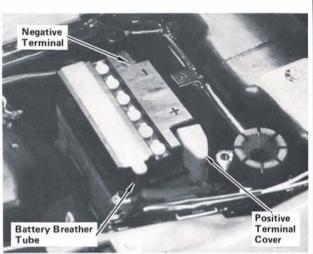
Torque specification: 9.0 kg-m (65 lb-ft)



STEP 62—Check routing of front and rear brake cables, throttle cable, engine stop switch wire, and headlight switch wire as shown.

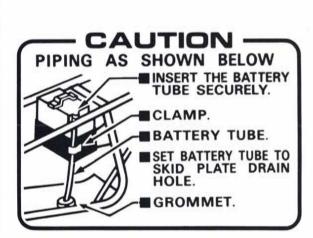


STEP 63—Remove battery holder by removing a 6 mm wing bolt. Remove battery from battery compartment and service as described in shop manual or battery preparation booklet packed with battery.



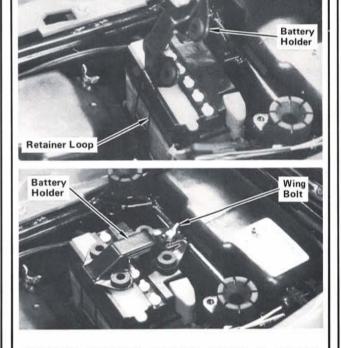
STEP 64—Place battery into battery compartment with terminals facing the rear. Check that ignition switch is off. Connect positive (+) battery cable first, then connect negative (-) cable. Tighten securely and coat battery terminals with clean grease. Slip terminal cover positive terminal. Connect battery breather tube to battery.

CAUTION: Make sure positive (+) battery cable is not forced against any metal parts.

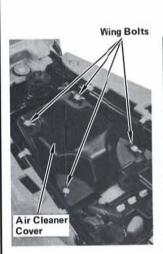


STEP 65—Check routing of battery breather tube as shown in battery caution label located on the tool box.

CAUTION: Check that battery breather tube is not kinked, twisted, or pinched. Otherwise battery may be damaged.

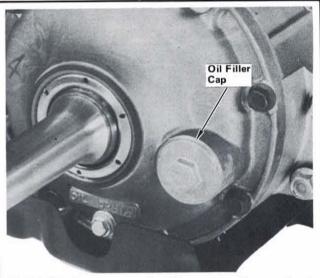


STEP 66—Reinstall battery holder as shown, being sure retainer loop is hooked. Tighten wing bolt securely.



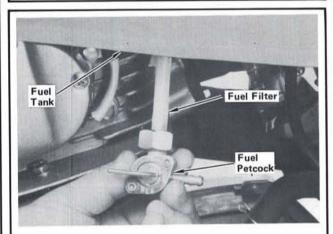


STEP 67—Remove air cleaner cover by removing four wing bolts. Remove air cleaner assembly from air cleaner case and remove filter element from its core. Check condition of filter element. If necessary, clean and oil element as described in owner's manual or shop manual. Reinstall element on its core and reinstall assembly in air cleaner case. Reinstall air cleaner cover and tighten the four wing bolts securely.



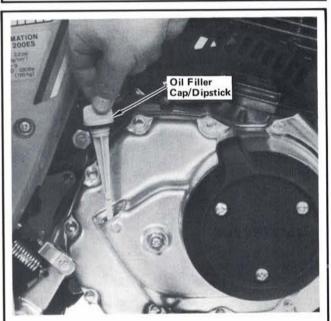
STEP 68—Remove oil filter cap from final drive gear case. Check oil level even with lower edge of inspection hole. If necessary, fill gear case with recommended oil. Reinstall and tighten filler cap.

Recommended oil: Hypoid Gear Oil SAE 80

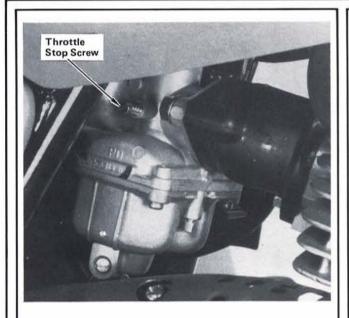


STEP 69—Drain fuel tank as described in shop manual. Remove fuel tank by removing mounting bolt at rear of tank and disconnecting fuel line. Inspect and flush fuel tank. Reinstall fuel tank, connect fuel line, fill tank, turn on fuel valve and check for leaks and flow through fuel filter. Tighten mounting bolt securely. Drain residual fuel from carburetor.

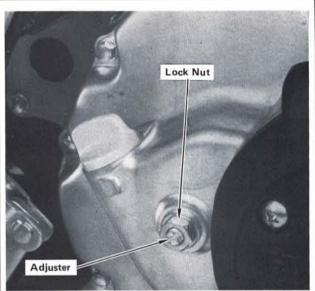
warning Fuel must be drained into a proper container. Gasoline is flammable and explosive under certain conditions. Do not smoke or allow flames or sparks near while draining fuel.



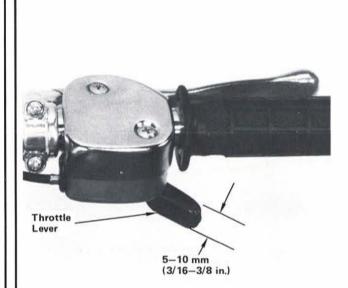
STEP 70—Fill crankcase with recommended oil as described in owner's manual.

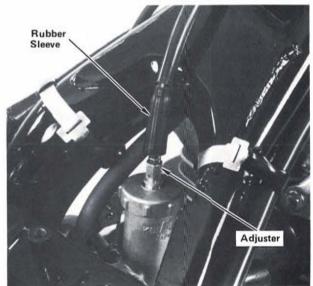


STEP 71—Connect a tachometer and check transmission in neutral. Start engine and allow it to warm up to operating temperature and check idle speed at $1{,}400 \pm 100$ rpm. If necessary, adjust idle speed using throttle stop screw. Remove tachometer.

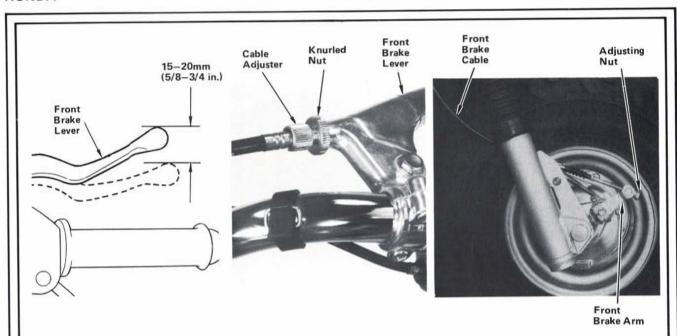


STEP 72—Check clutch operation. If adjustment is necessary, use the following procedure. Loosen lock nut and turn clutch adjuster counter-clockwise until resistance is felt, then turn clutch adjuster 1/4 turn clockwise and tighten lock nut. Recheck clutch operation.

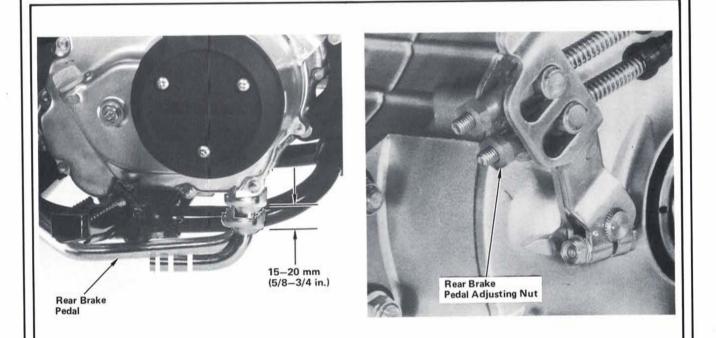




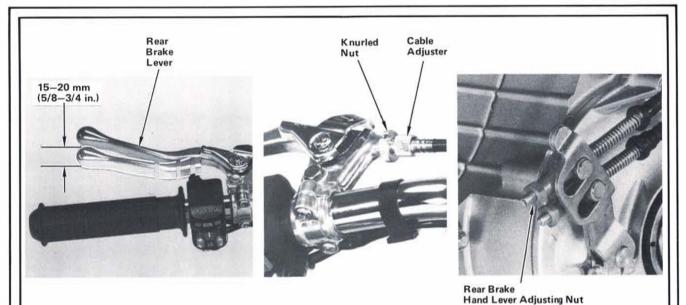
STEP 73—Check throttle cable for condition. Check that throttle lever free play is within 5—10 mm (3/16—3/8 in.) at tip of throttle lever. Check for smooth operation of throttle lever from fully closed to fully open in all steering positions and that throttle lever automatically returns from fully open to full 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.



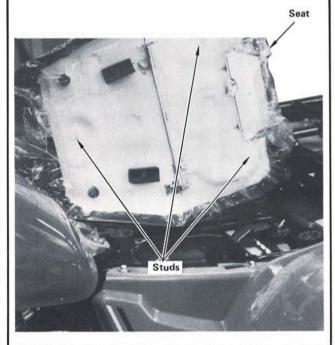
STEP 74—Raise front wheel off ground using a support block under engine. Spin front wheel by hand and measure free play of front brake lever before brake starts to engage. Free play, measured at tip of brake lever should be between 15 and 20 mm (5/8—3/4 in.). Use lower adjusting nut to make large adjustments. Small adjustments are made at front brake lever by loosening knurled nut and turning cable adjuster. After adjustment, tighten knurled nut. Remove support block under engine.



STEP 75—Raise rear wheels off ground using a support block under ATC. 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 76—Spin rear wheels by hand and measure free play of rear brake lever before brake starts to engage. Free play, measured at tip of rear brake lever should be between 15 and 20 mm (5/8—3/4 in.). Use adjusting nut on rear brake arm to make large adjustments. Small adjustments are made at rear brake hand lever by loosening knurled nut and turning cable adjuster. After adjustment, tighten knurled nut. Remove block from under ATC.

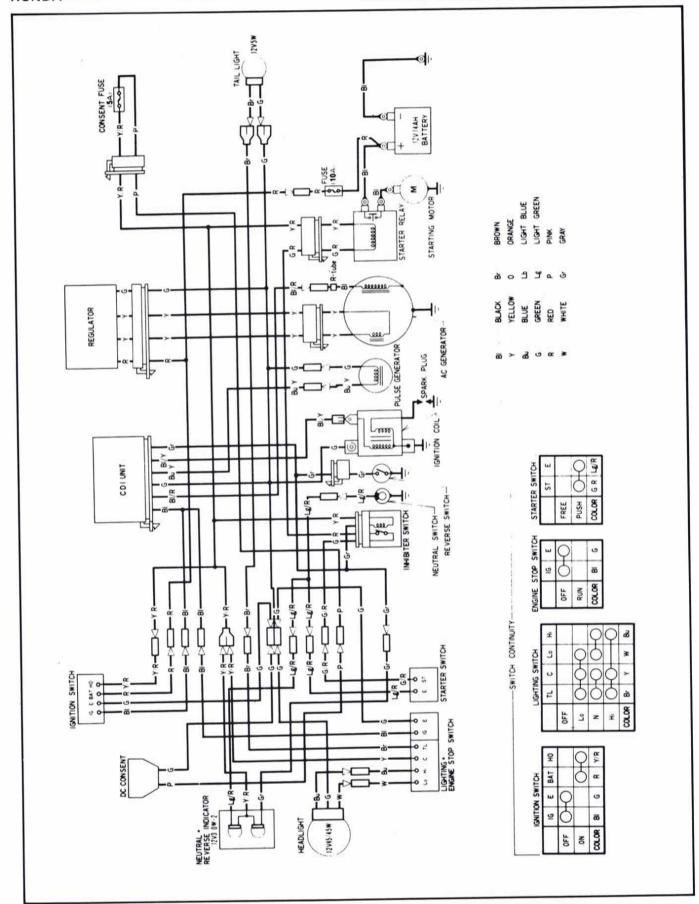


STEP 77—Insert seat studs into holes in seat mounts and engage seat latches.

NOTE: Check that seat latches are fully engaged.

CAUTION

REMOVE BATTERY AND MAINTAIN IN FULLY CHARGED CONDITION UNLESS ATC IS TO BE DELIVERED IMMEDIATELY. REFER TO SERVICE BULLETIN SL #48. DO NOT USE ELECTRIC STARTER IMMEDIATELY AFTER INSTALLATION OF A FRESHLY CHARGED BATTERY, SOME TIME IS REQUIRED FOR BATTERY TO ATTAIN FULL CAPACITY.



TORQUE TABLE				
ITEM	SIZE	TORQUE		
Front fork bolts		6.0 kg-m (44 lb-ft)		
Handlebar upper holder bolts	****	2.4 kg-m (17 lb-ft)		
Rear wheel hub nuts	8 mm	2.2 kg-m (16 lb-ft)		
Rear axle nuts		9.0 kg-m (65 lb-ft)		
Front fender bolts	6 mm	1.0 kg-m (8 lb-ft)		
Front fender cap nuts	6 mm	0.9 kg-m (6 lb-ft)		
Front axle nut		7.0 kg-m (51 lb-ft)		
Carrying handle bolts	8 mm	2.2 kg-m (16 lb-ft)		
Trailer hitch bolts	10 mm	4.0 kg-m (30 lb-ft)		

NOTE: Check all items on the following Pre-delivery Service Check List. Refer to owner's manual

or shop manual for specifications and detailed pr that it is functioning properly.	rocedures. Always test ride the unit to make sure
	 □ Inspect electrical components for proper operation and adjustment. • Headlight switch. • Headlight: Adjust high beam aim. • Neutral and reverse indicator lights. • Taillight. • Engine stop switch. • Starter. • Battery charging system. □ 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, high-low-reverse gear range selector, and clutch: Ease of shifting, clutch operations, etc. • Acceleration: Smoothness, etc. • Cruising: Smoothness, etc. • Handling: Stability and cornering. • Brakes: Smoothness and stopping power. • Idling: Smoothness, throttle response, return to idle.
	 Recheck idle speed after 10 minutes of stop and go driving. 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	αту	H/C	PART NUMBER
Headlight assy	1		
Handle cover	1	1274752	53205-958-681
Handle cover emblem	1	1274760	53206-958-003
6 x 20 mm screw/washer	2	0878538	93891-06020-08
Front fender	1		61100-958-681
Front fender collar	2	0687558	61104-428-000
6 x 7 mm special collar	3	0955575	61304-958-003
Front mud flap	1	1513241	61861-VM3-000
Front cover fitting washer	4	0299370	64348-086-000
6 x 7 mm screw tras	13	0810655	90102-673-003
6 x 20 mm hex bolt	4	0442103	92000-06020-0H
6 mm hex cap nut	4	0203620	94021-06000-0S
6 mm plain washer	4	0059071	94101-06000
10 mm plain washer	2	0059113	94101-10000
10 mm lock pin	2	0159269	94251-10000
6 x 20 mm flange bolt	2	0488684	95700-06020-00
Brake rod spring	1	0271056	95014-73100
Brake arm joint B	1	0400945	95015-32001
Adjust nut B	1	0257766	95015-42000
Front wheel assy	1		
Front axle	1	1275098	44301-958-680
Front axle side collar	1	1274000	44312-958-681
Front axle nut	1	0467258	90305-401-680
Cotter pin 3.0	1	0058420	94201-30250
Rear wheel assy		222222	
18 mm washer	2 2 2 2	1519156	42322-969-000
Rear axle nut	2	1519933	94011-18000-0S
Cotter pin 4.0	2	0058461	94201-40300
5 x 12 mm screw pan	3	0561795	93500-05012-0H
5 x 14 mm screw pan	1	0261925	93500-05014-0H
5 mm flange nut	4	0636951	94050-05000
5 mm plain washer	4	0285791	94101-05800
Seat assy	1		
Tool box protector	1		80218-958-680
Right rear fender	1	1277441	80100-958-683
Left rear fender	1		80150-958-681
Right rear mud guard	2		80111-958-681

LOOSE PARTS (Cont'd)

PART NAME	QTY	H/C	PART NUMBER	
Right rear fender plate	2	1513274	80112-VM3-000	
Right rear fender side plate	2	1222926	80113-958-680	
6 mm special nut	10	1223676	90302-958-680	
Number plate bracket collar	7	0843615	84706-415-000	
6 x 14 mm flange bolt	5	0840587	95700-06014-08	
6 x 16 mm screw/washer	2	0634741	93892-06016-08	
Right rear fender rubber	$egin{array}{c} 2 \\ 2 \\ 2 \\ 1 \\ \end{array}$	1222942	80152-958-680	
8 mm collar	2	1223684	90324-449-000	
Fender mounting collar	1	0763946	61104-444-000	
Right rear fender grommet	1	1513290	80161-958-680	
Tool box assy	1			
Taillight assy	1			
Front fender collar	2	0687558	61104-428-000	
6 x 25 mm flange bolt	3	0258731	95700-06025-08	
Trailer hitch comp.	1	1519404	50810-969-000	
10 x 90 mm flange bolt	2 2	1519677	90107-969-000	
Axle nut			90304-GA6-003	
Rear luggage carrier comp.	1			
Sub luggage carrier	1	1519511	81306-969-000	
Rear carrier support	2	1223049	81302-958-680	
8 x 12 mm flange bolt	2 2 2 2	0681270	95700-08012-08	
8 x 25 mm flange bolt	2	0371997	95700-08025-08	
8 x 32 mm flange bolt	2	0344986	95700-08032-08	
Front carrier	1			
Front carrier stay pipe	2	1223015	81101-958-680	
8 x 12 mm flange bolt	4	0496455	95700-08012-00	
8 x 16 mm flange bolt	2	0631242	95700-08016-00	
Carrier pipe comp.	1	1123023	81200-958-680	
8 x 12 mm flange bolt	2	0496455	95700-08012-00	
8 x 25 mm flange bolt	2	0671214	95700-08025-00	
Rear carrier rubber	2	1223064	81304-958-680	
Rear carrier bracket	2	1223072	81305-958-680	
6 x 45 mm flange bolt	2 2 2 2 2	0687830	95700-06045-00	
6 mm lock washer	2	0058974	94111-06000	
Owner's manual	1	1519982	31969600	

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