

Set-up Instructions

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Model CB750



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.



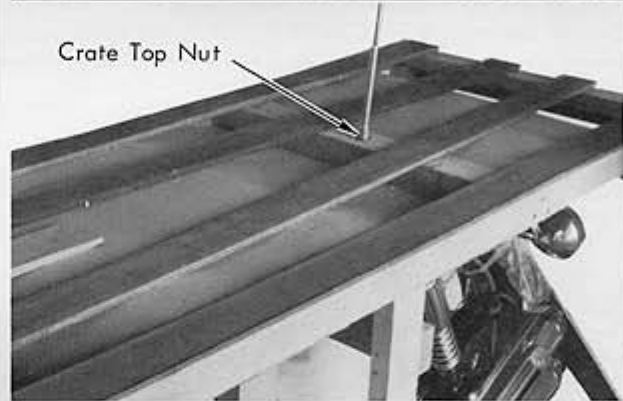
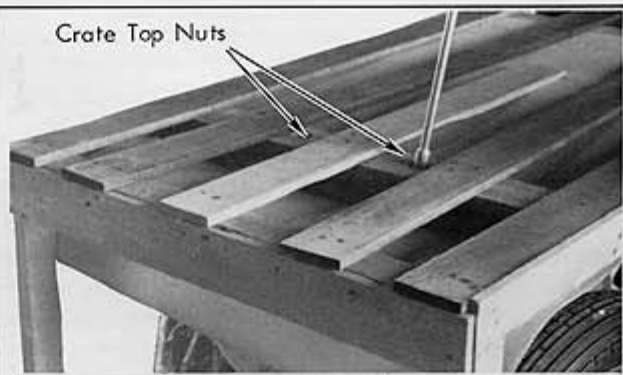
NOTE: Right and left are determined from the rider's view.

This issue replaces all previous CB750 Set-up Instructions.

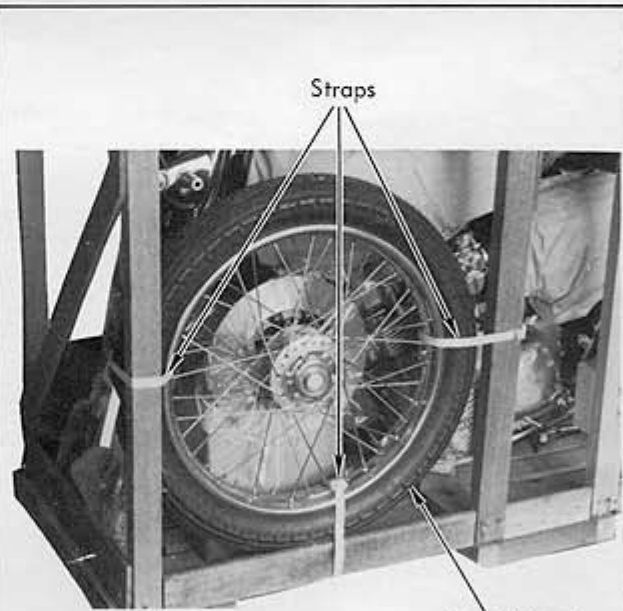
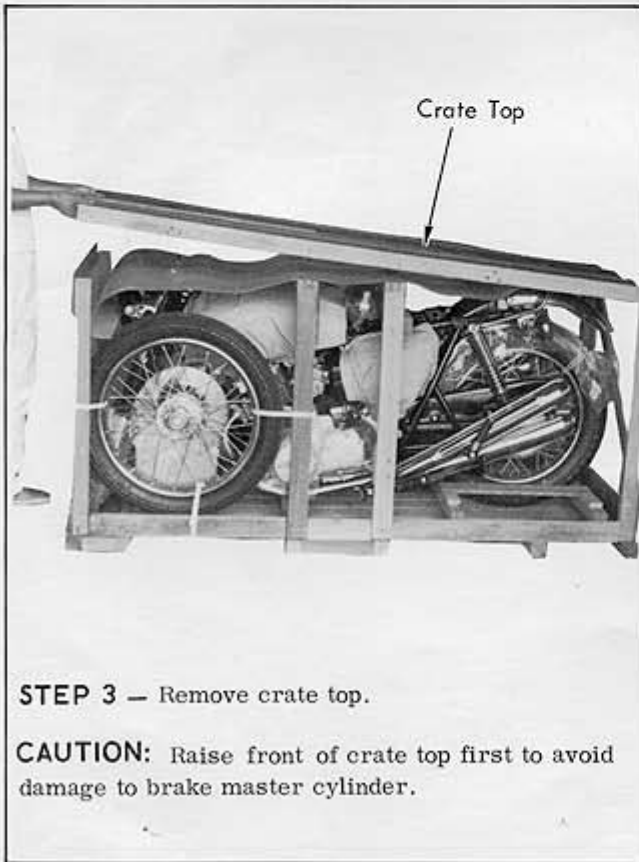
Date of Issue: 10/74

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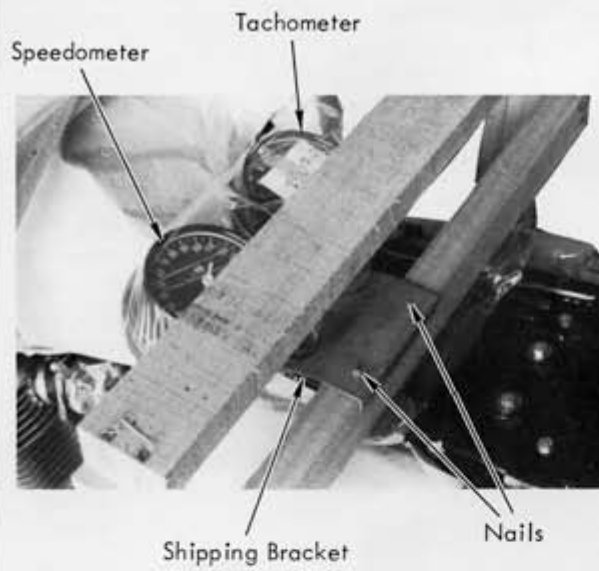
1 of 24



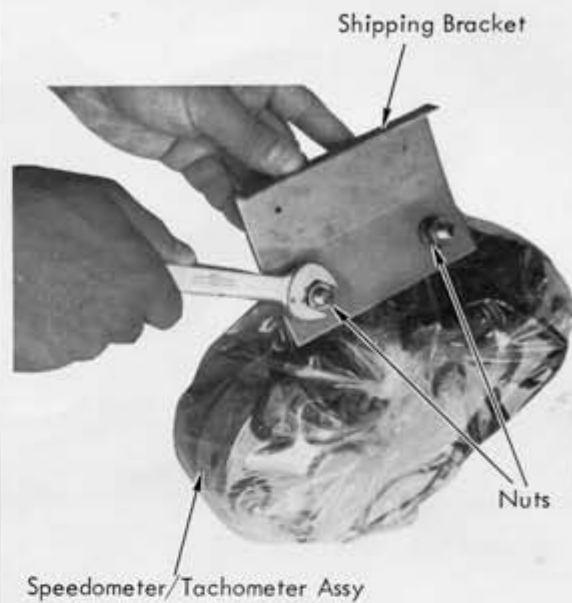
STEP 2 – Remove nuts from crate top.



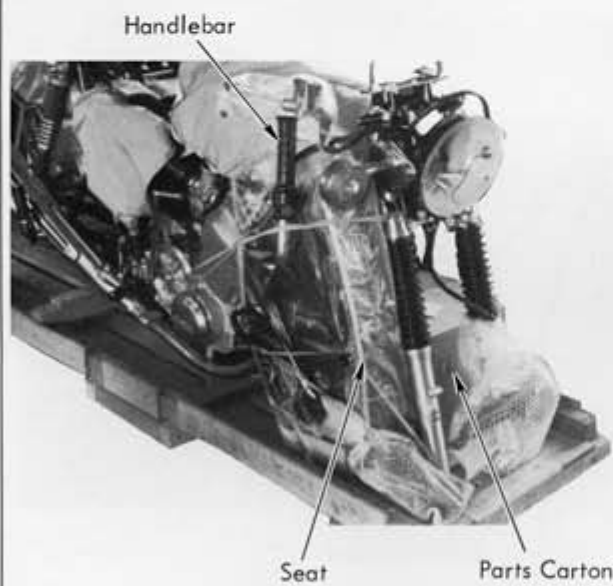
STEP 4 – Remove straps holding front wheel. Remove wheel from crate.



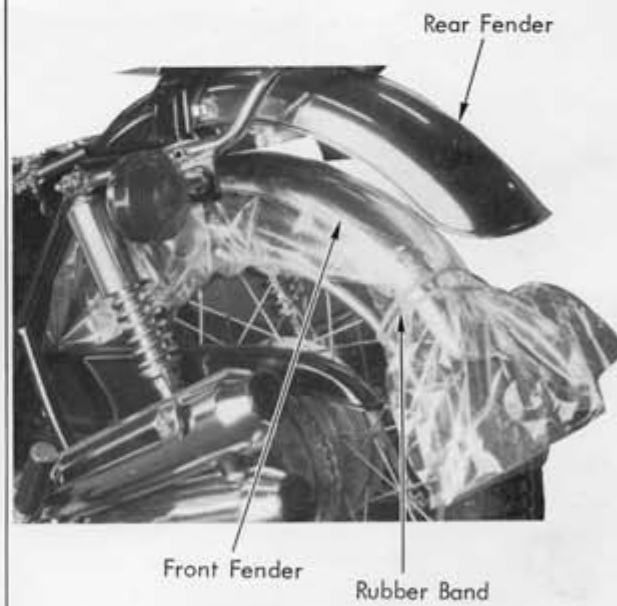
STEP 5 — Remove the two nails holding speedometer/tachometer shipping bracket. Remove the speedometer/tachometer assembly from the crate.



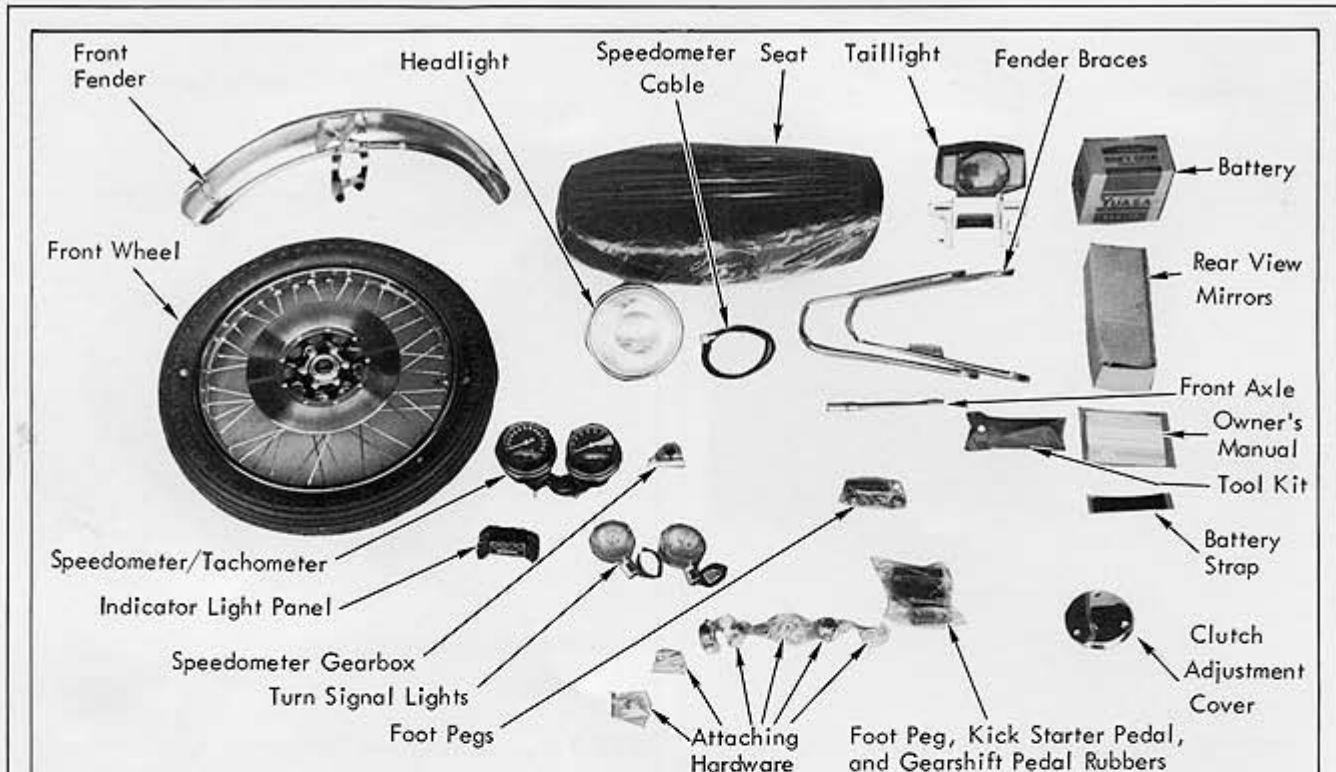
STEP 6 — Remove and discard the speedometer/tachometer shipping bracket by removing two nuts.



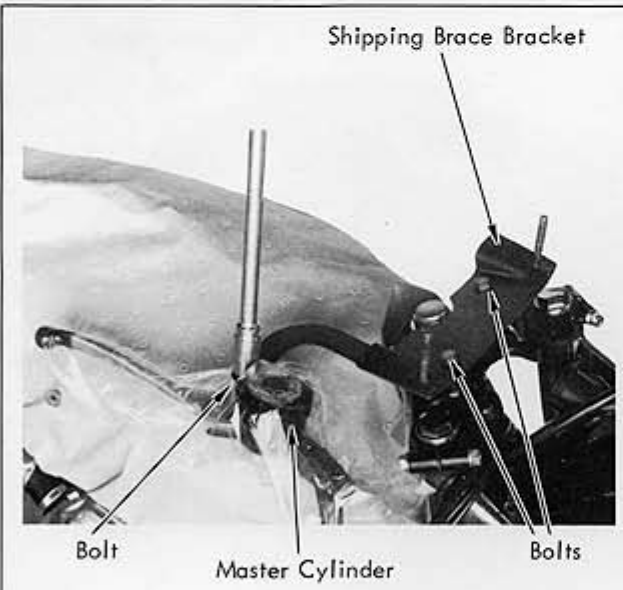
STEP 7 — Remove crate ends, top, and side braces from crate base. Remove handlebar, seat, and parts carton by removing rubber bands.



STEP 8 — Remove front fender from under rear fender by removing rubber bands.

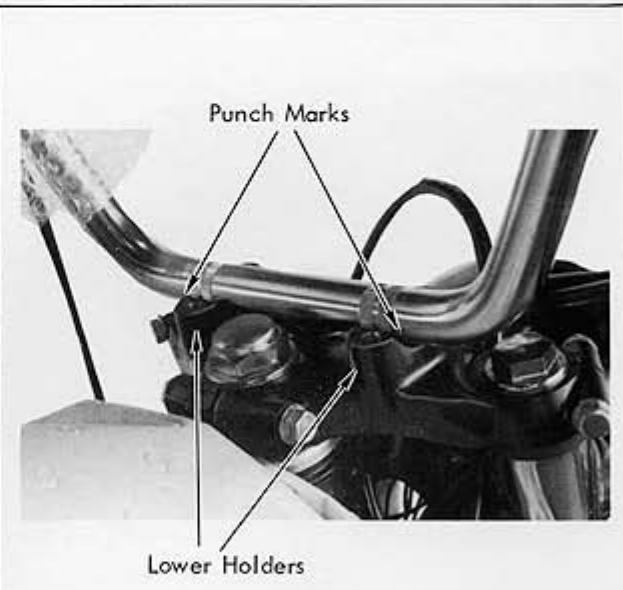


STEP 9 — Unpack loose parts and check against this illustration. Report any damaged or missing parts immediately to American Honda Motor Co., Inc., 100 West Alondra Blvd., Gardena, California 90247.

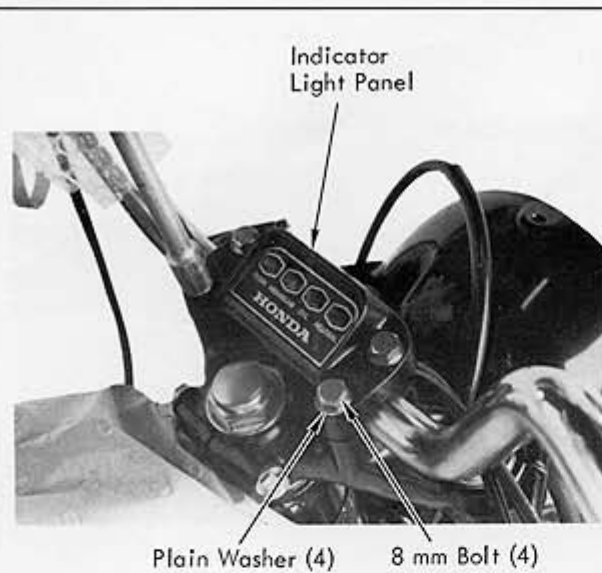


STEP 10 — Remove front brake master cylinder from shipping brace bracket by removing bolt. Remove shipping brace bracket from upper fork bridge by removing two bolts.

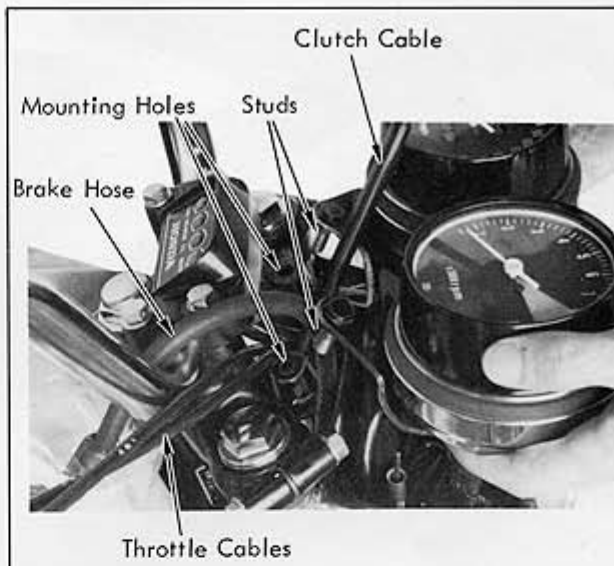
CAUTION: Do not operate front brake lever until front wheel is installed.



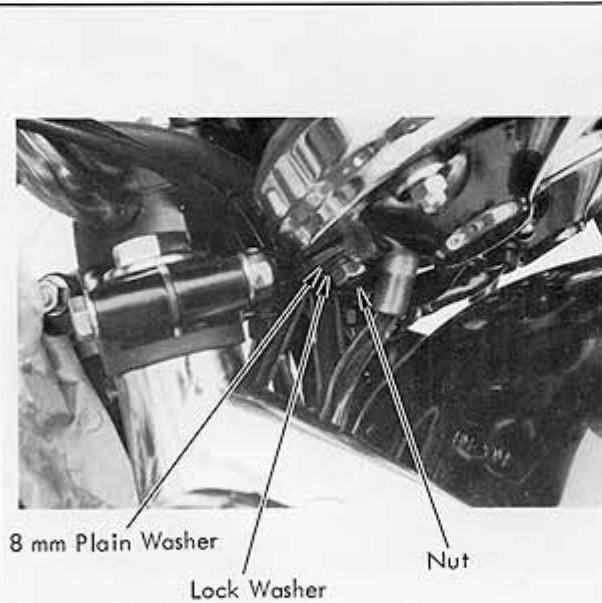
STEP 11 — Position handlebar on lower holders with punch marks in line with top of holders. Route wires forward and into headlight case.



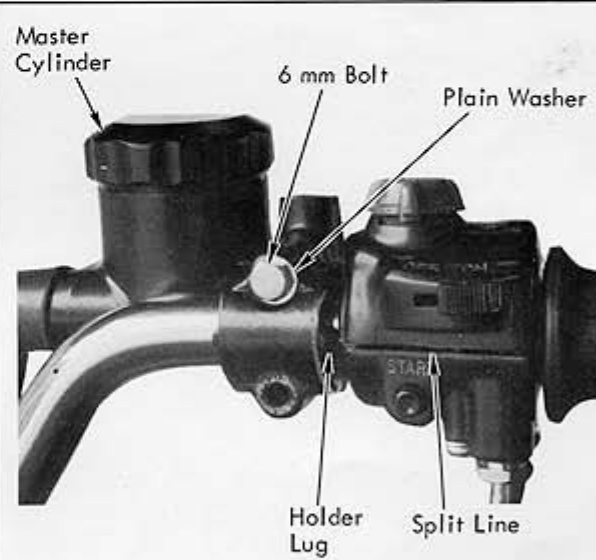
STEP 12 — Install indicator light panel over handlebar, using four 8 mm bolts and plain washers. Tighten forward bolts first to specified torque, then tighten rear bolts.
Torque specification:
1.8 - 2.5 kg-m (13 - 18 lbs-ft)



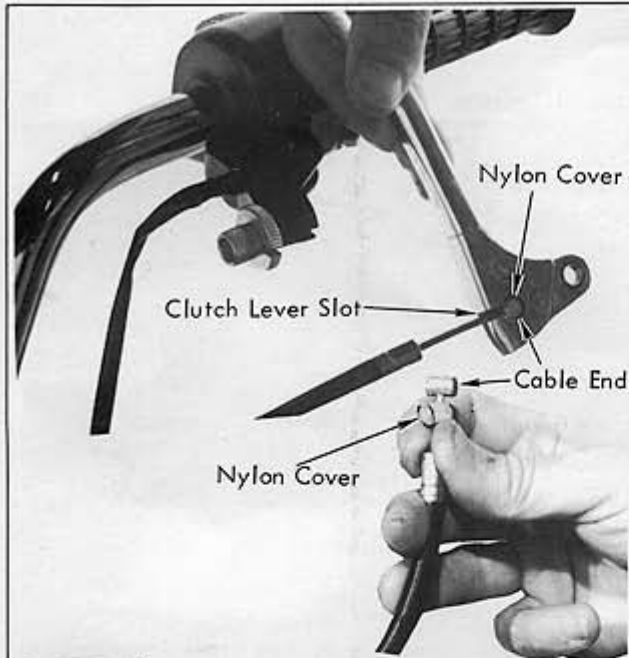
STEP 13 — Position, in this order from front to rear, brake hose, clutch cable, and throttle cables between speedometer/tachometer mount and upper fork bridge. Insert mount studs through mounting holes in upper fork bridge.



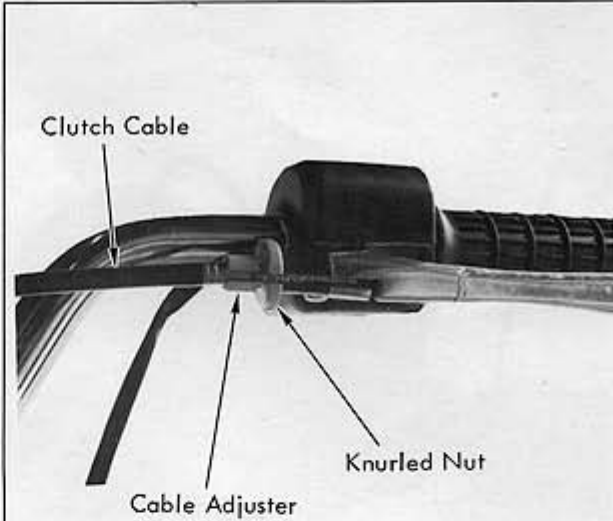
STEP 14 — Install instrument mount using two 8 mm plain washers, lock washers, and nuts. Tighten securely.



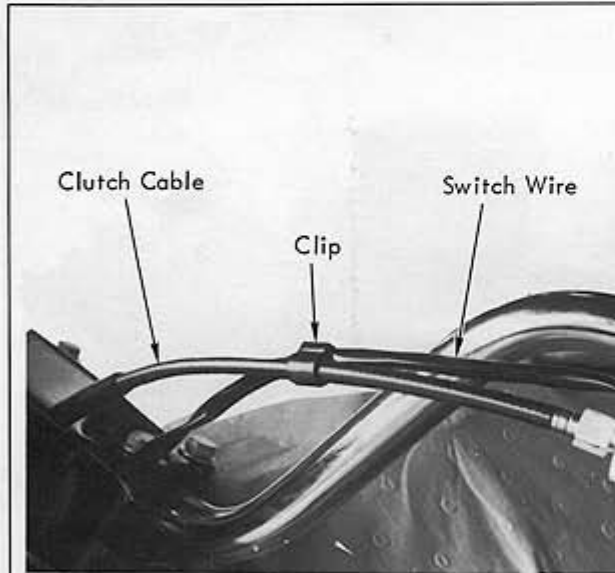
STEP 15 — Install master cylinder and holder using two 6 mm bolts and plain washers. Position master cylinder so lug of holder is aligned with split in throttle grip switch assembly. Tighten upper bolt first to specified torque, then tighten lower bolt to specified torque.
Torque specification:
80 - 120 kg-cm (70 - 104 lbs-in.)



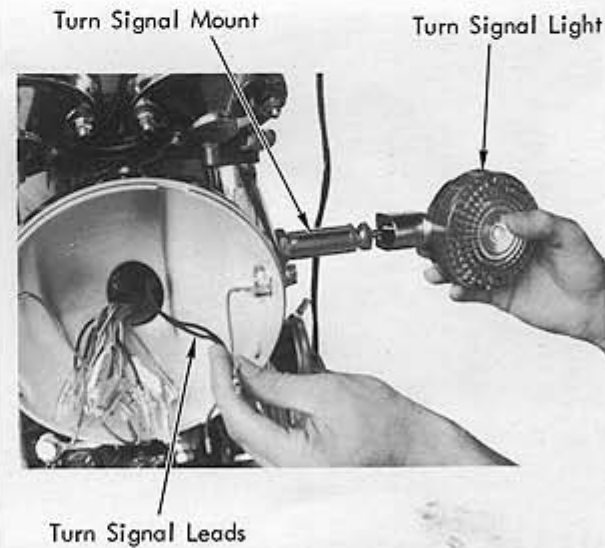
STEP 16 — Remove clutch lever lock nut and pivot bolt. Remove clutch lever. Check that nylon cover is over cable end, and install if necessary. Insert cable end into clutch lever slot.



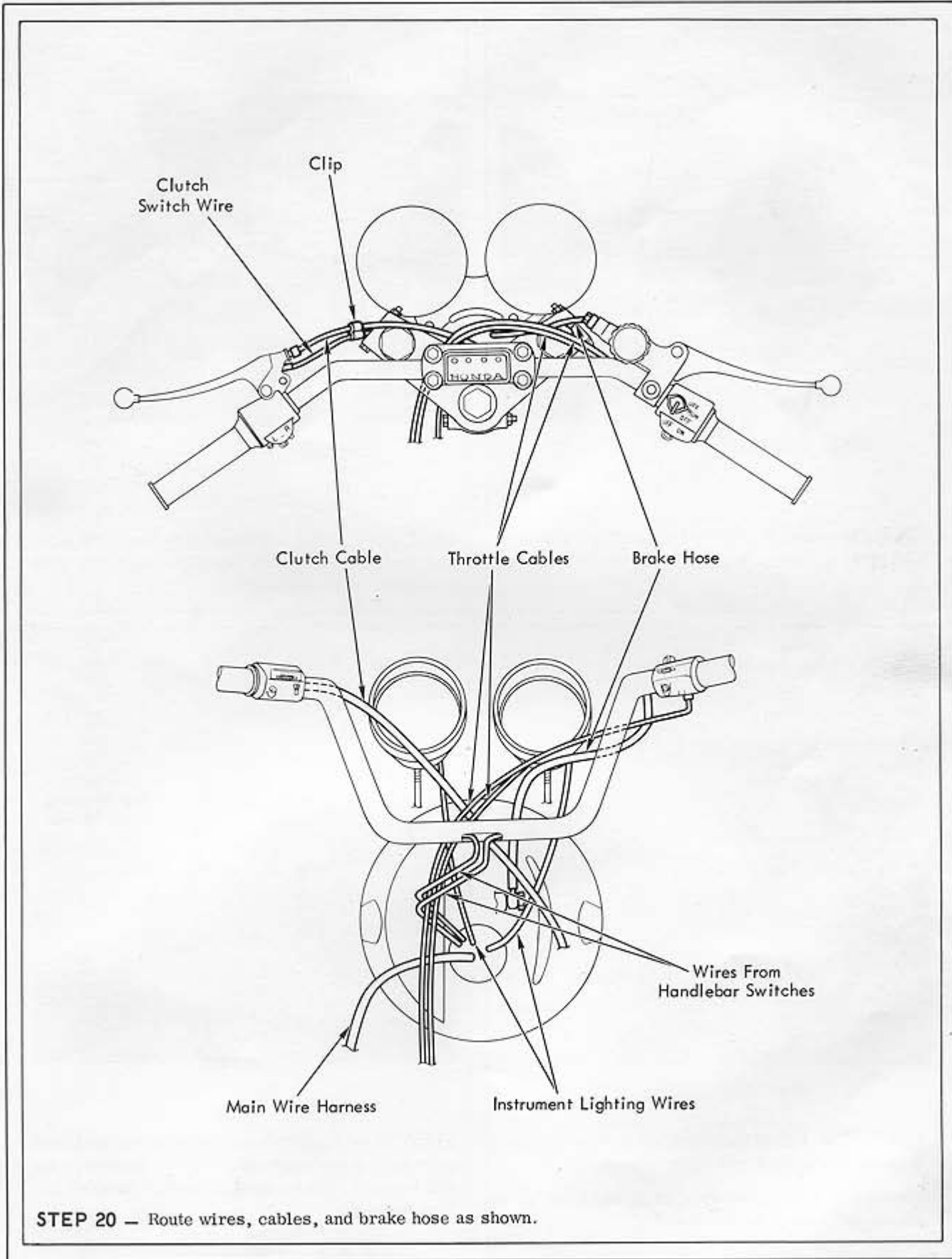
STEP 17 — Pull clutch cable back through slots in cable adjuster and knurled nut. Reinstall clutch lever and adjust clutch as described in owner's manual or shop manual. Check clutch lever for free operation.

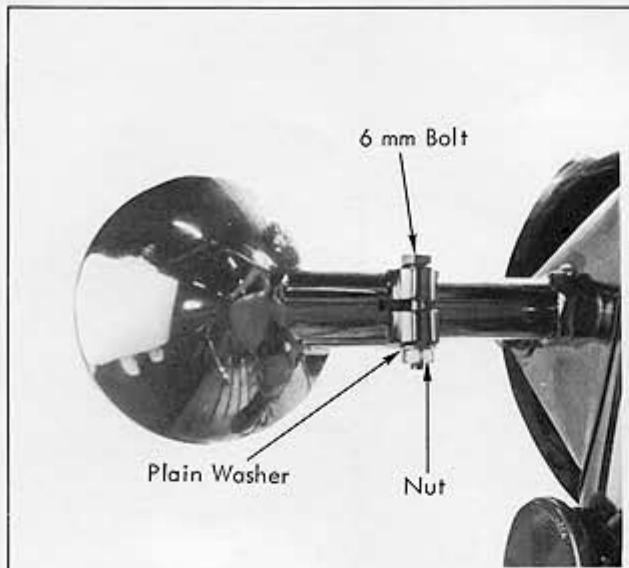


STEP 18 — Clip clutch switch wire to clutch cable as shown.

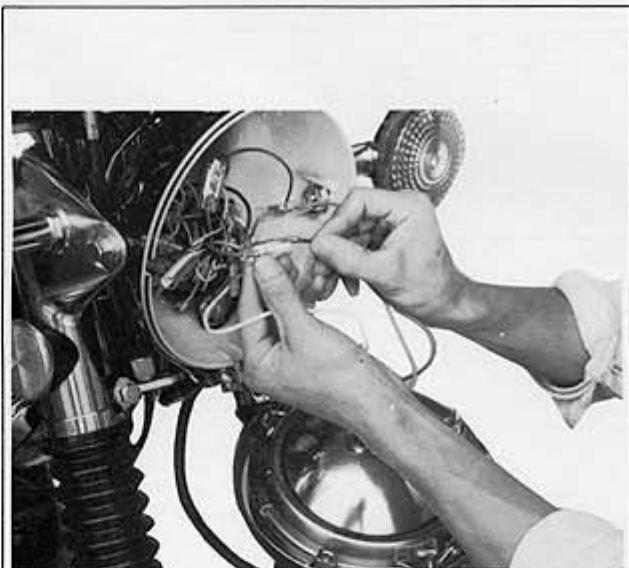


STEP 19 — Route front turn signal wires through turn signal mounts and into headlight case.





STEP 21 — Install front turn signal, using 6 mm bolt, plain washer, and nut.

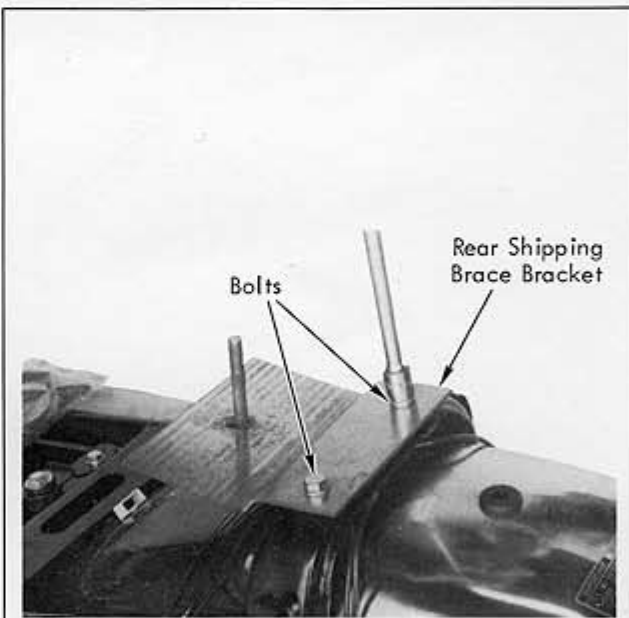


STEP 22 — Route all wires into headlight case and connect wires and headlight socket to wire harnesses, color-to-color.

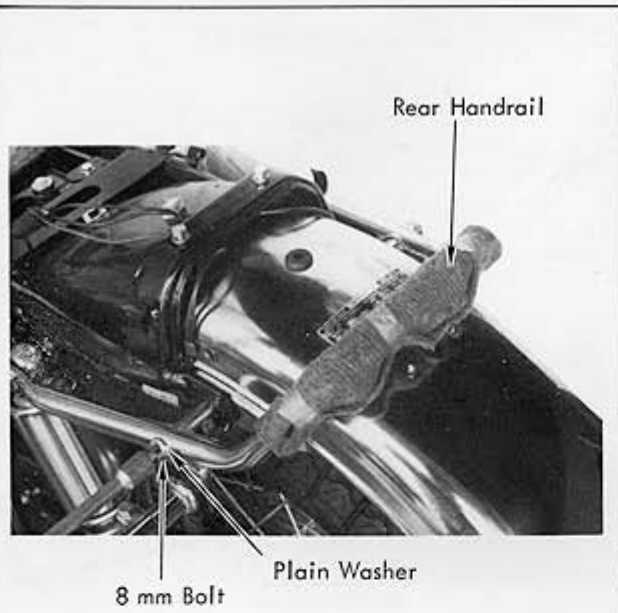


STEP 23 — Install headlight, using three collars, 5 mm lock washers, and 5 mm screws.

During pre-delivery service, adjust headlight beam according to local regulations.



STEP 24 — Remove rear shipping brace bracket by removing two bolts and washers. Reinstall bolts and washers, but do not tighten until handrail has been installed.



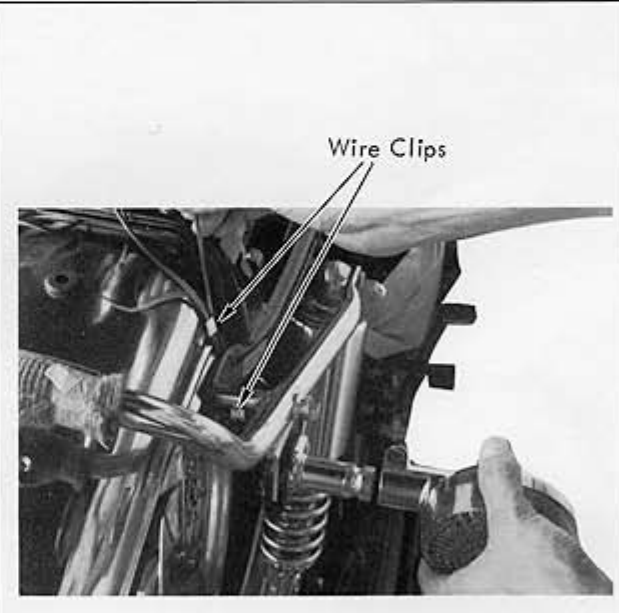
STEP 25 — Loosen rear shock upper attaching nuts. Install rear handrail, using 8 mm bolts and plain washers. Tighten bolts to specified torque. Torque specified:
 2.0 - 3.0 kg-m (15 - 22 lbs-ft)



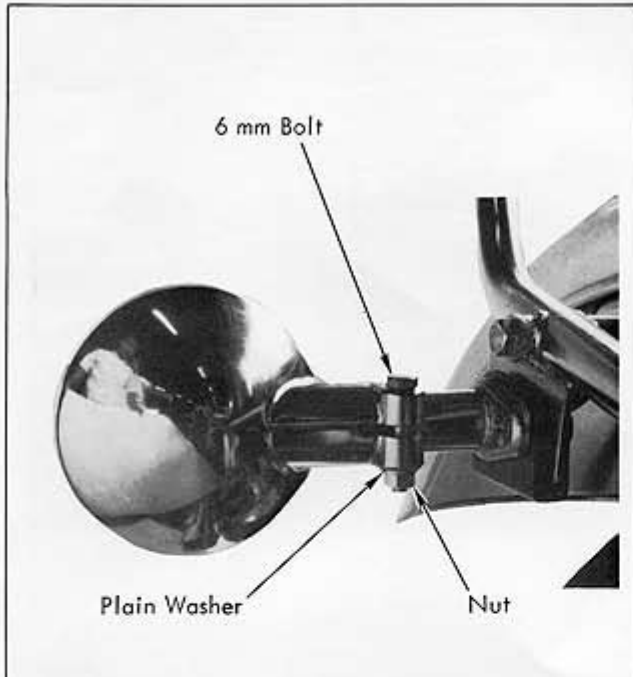
STEP 26 — Tighten both rear upper shock mount cap nuts to specified torque. Torque specification:
 3.0 - 4.0 kg-m (22 - 29 lbs-ft)



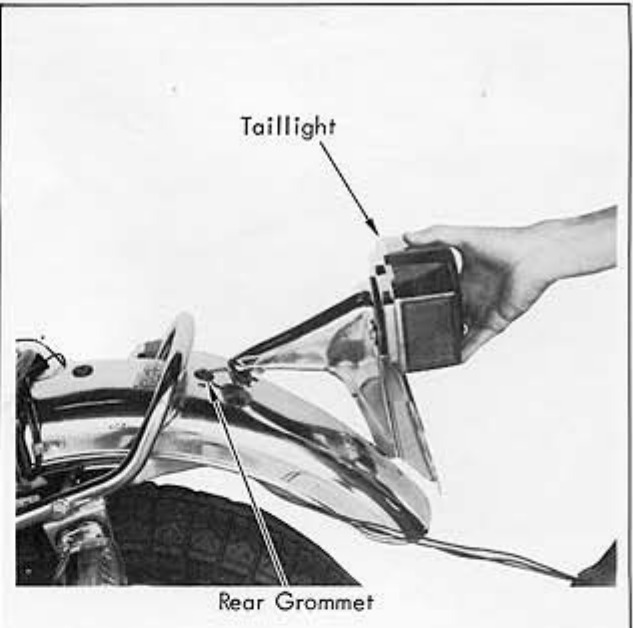
STEP 27 — Tighten rear fender attaching bolts securely.



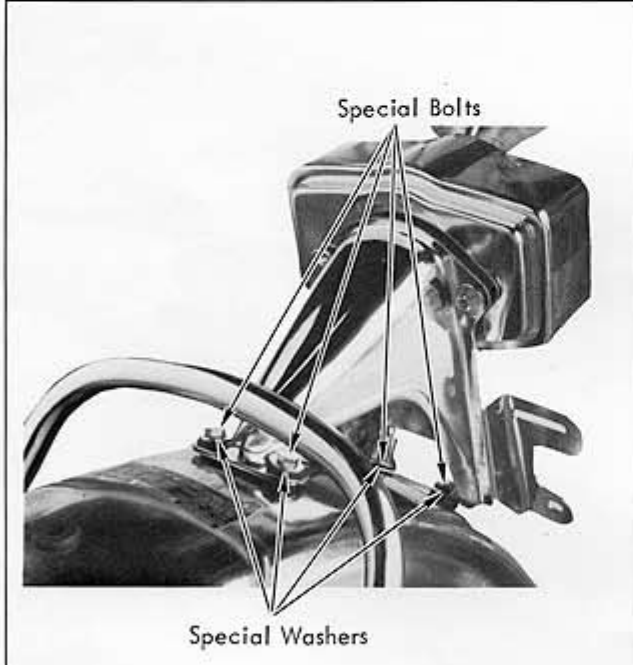
STEP 28 — Route turn signal wire through turn signal mount and wire clips on handrail and rear fender. Right turn signal wire has a light blue band.



STEP 29 — Install rear turn signal using 6 mm bolt, plain washer, and nut. Align signals so beams will be horizontal and tighten nut securely.



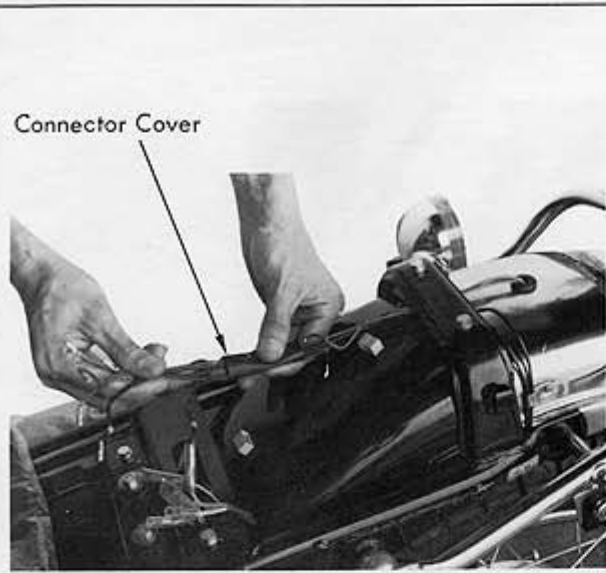
STEP 30 — Route taillight wires down through rear fender grommet.



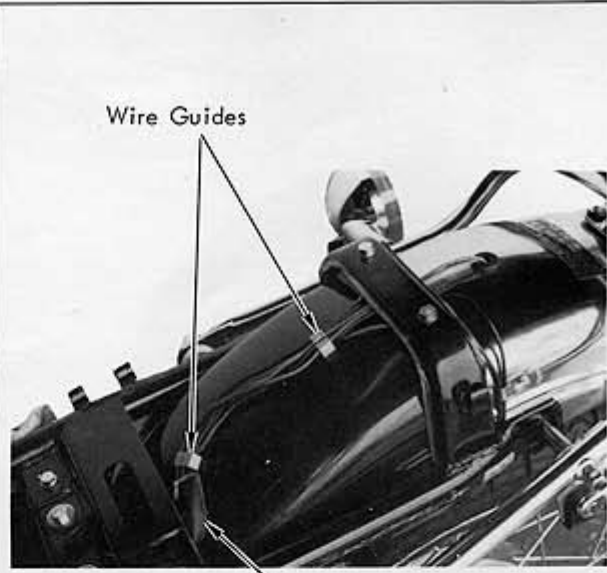
STEP 31 — Install taillight assembly, using four 6 mm special bolts and special washers. Tighten securely.



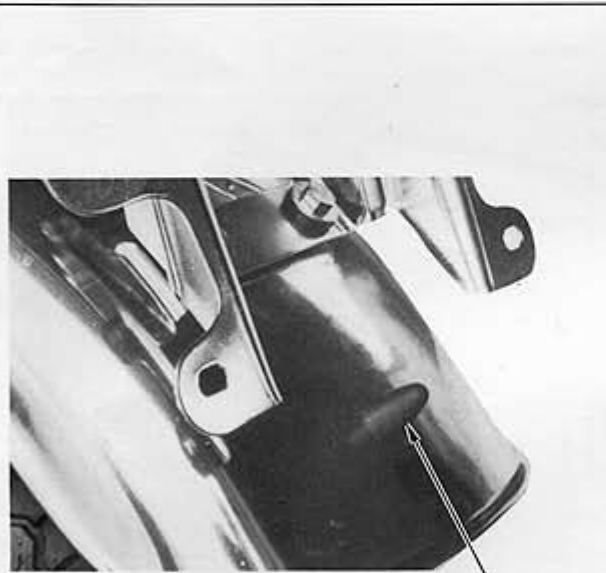
STEP 32 — Route taillight wires forward through wire tunnel, then up through forward grommet.



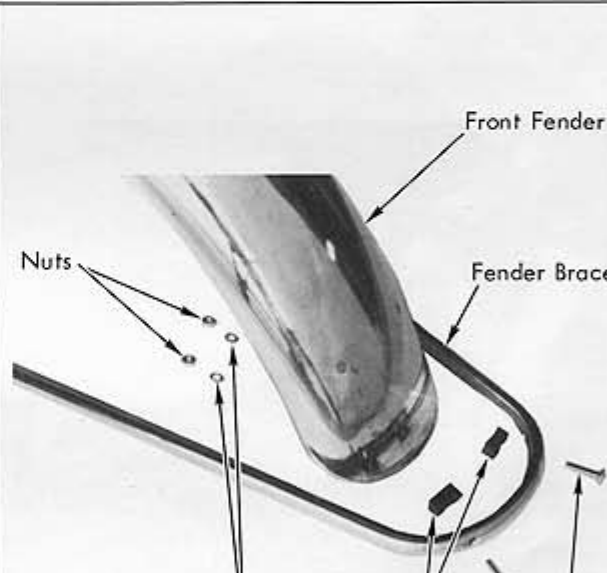
STEP 33 — Route taillight leads through connector cover, and connect leads color-to-color.



STEP 34 — Cover connectors with connector cover. Insert wires into guides.



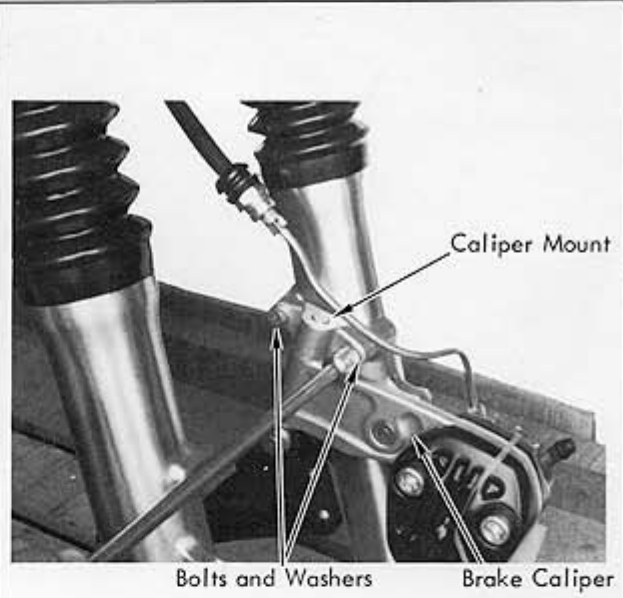
STEP 35 — Install rubber plug in rear fender.



STEP 36 — Check front fender parts.



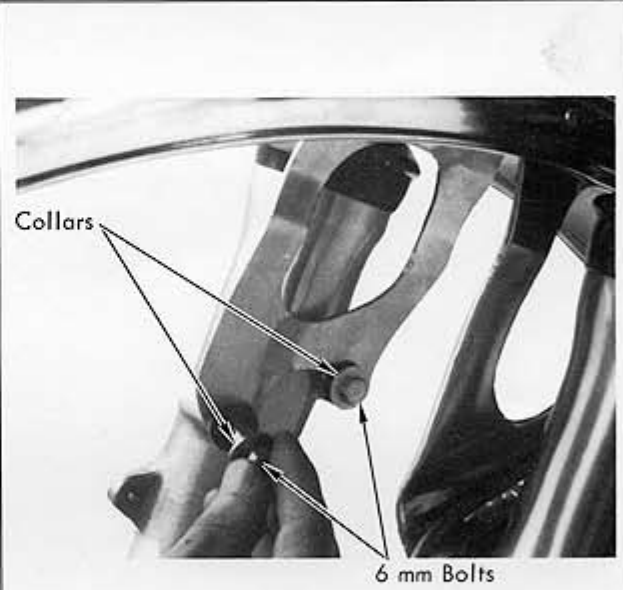
STEP 37 — Assemble front fender braces as shown.



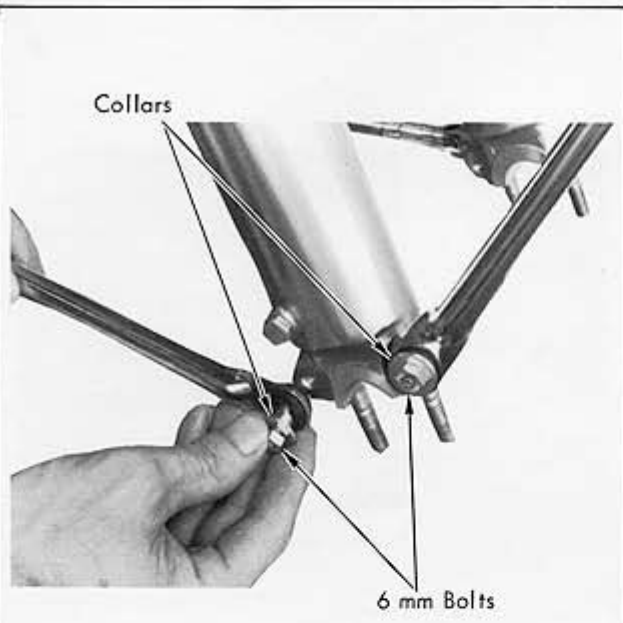
STEP 38 — Raise front of motorcycle and support by placing a block under the engine. Remove and retain the two 6 mm bolts and washers holding the front brake caliper mount.



STEP 39 — Insert front fender between fork legs from the rear. Attach left fender bracket to left fork leg using two 6 mm bolts and washers (previously removed), through caliper mount. Note that fender bracket is on top of caliper mount, not between caliper mount and fork leg. Tighten securely.



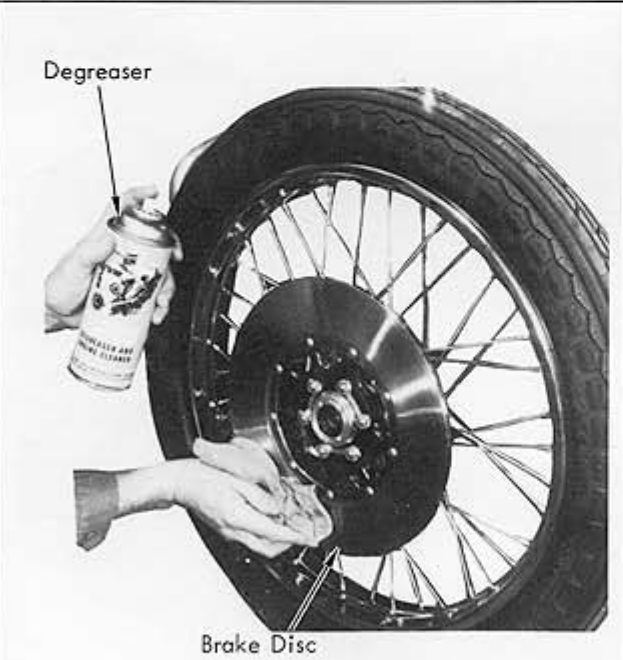
STEP 40 — Attach right fender bracket using two 6 mm bolts and collars. Tighten securely.



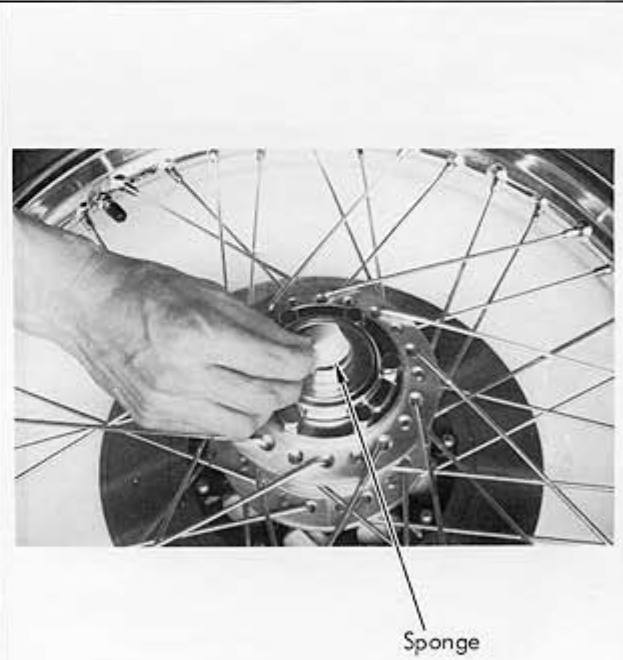
STEP 41 — Attach fender braces to right and left fork legs using 6 mm bolts and collars. Tighten securely.



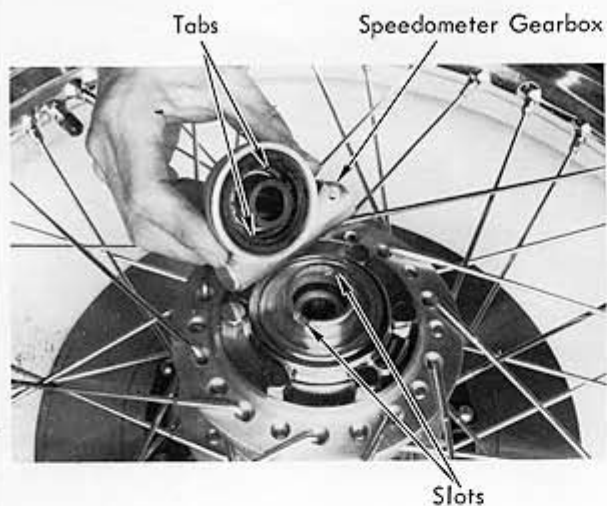
STEP 42 — Press brake hose grommet into hose clip attached on fender bracket. Squeeze clip with pliers to retain grommet.



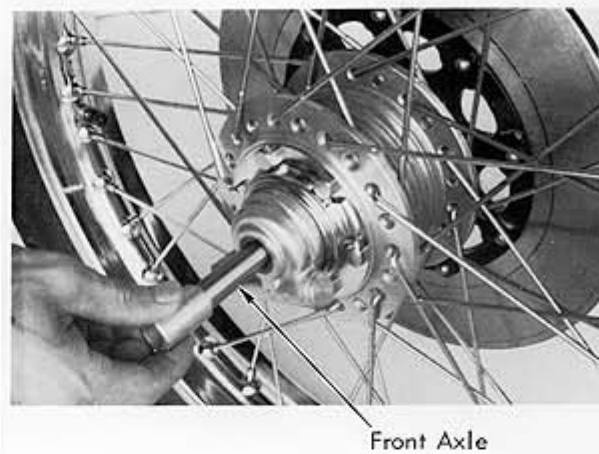
STEP 43 — Clean front brake disc thoroughly, using a good degreasing agent. Wipe with a clean cloth.



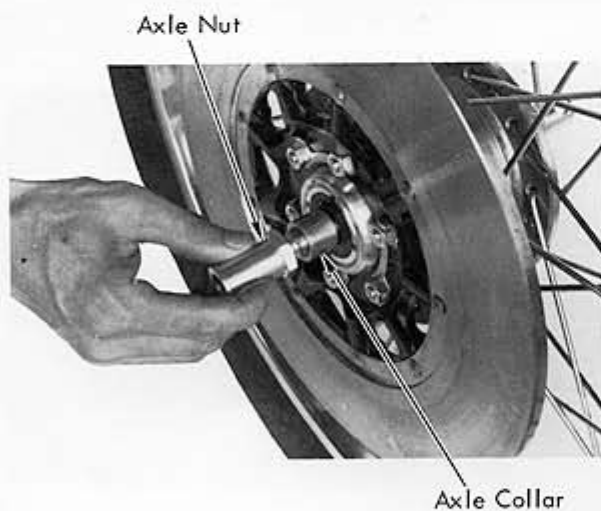
STEP 44 — Remove sponge dust seal from front wheel hub.



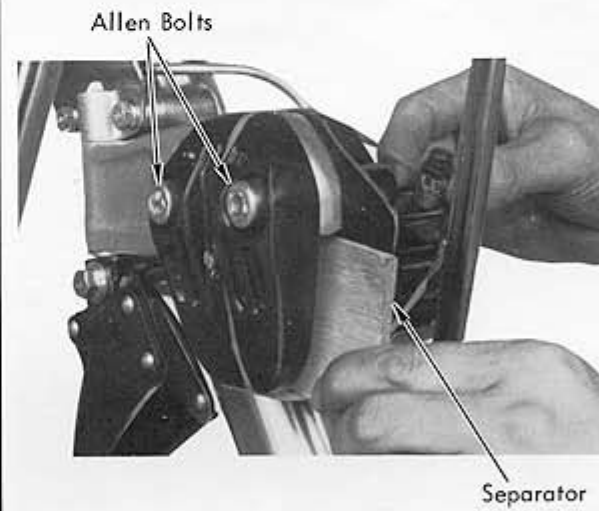
STEP 45 — Grease inner surface of wheel hub opening. Install speedometer gearbox with tabs aligned with slots in retainer.



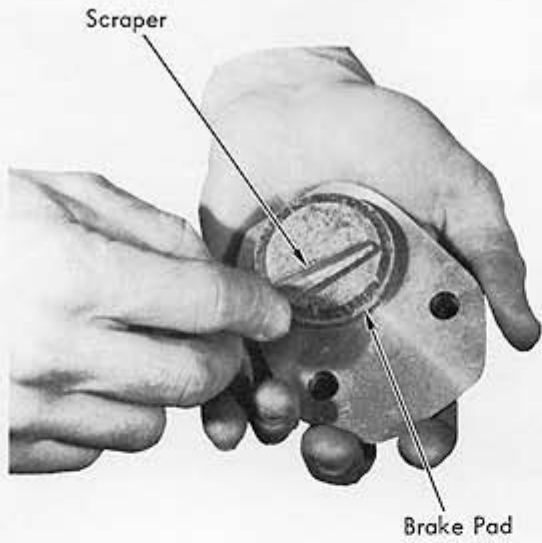
STEP 46 — Insert front axle through wheel hub from speedometer gearbox side.



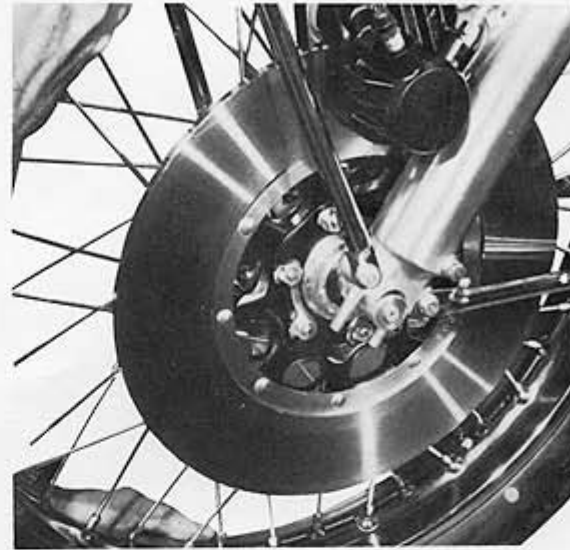
STEP 47 — Slip axle collar over axle and into front wheel grease seal. Install axle nut with hex head toward wheel hub and tighten nut to specified torque.
 Torque specification:
 5.5 - 6.5 kg-m (40 - 47 lbs-ft)



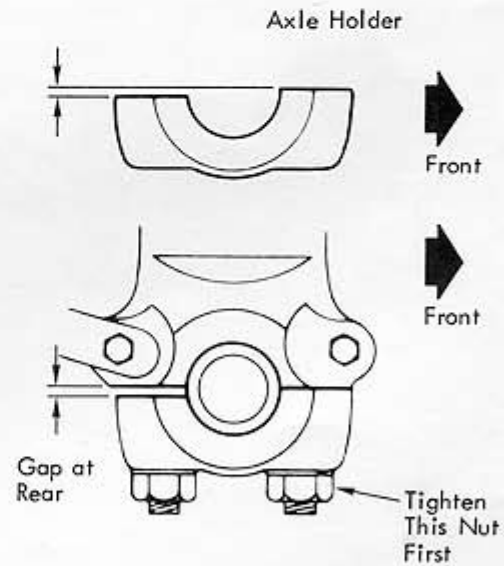
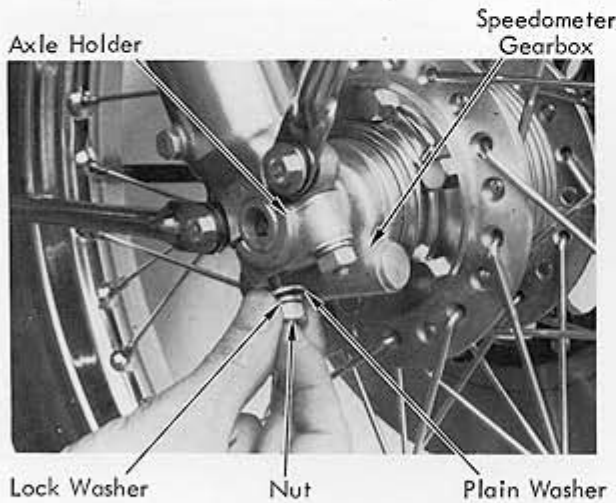
STEP 48 — Remove separator between brake pads and remove two Allen bolts securing inside brake pad. Remove brake pad.



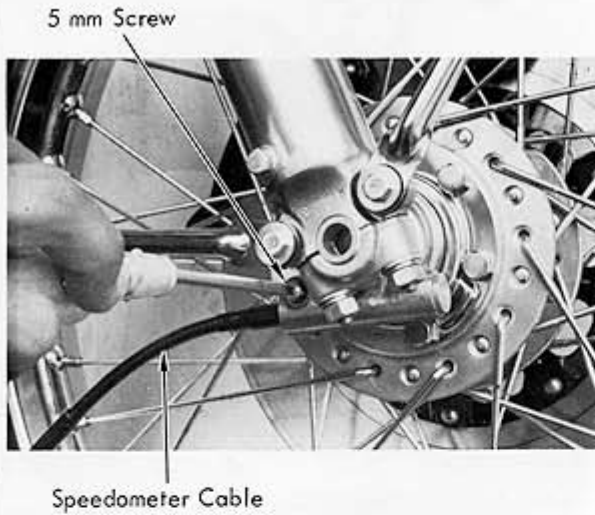
STEP 49 — Scrape off all preservative and residue from each brake pad. Reinstall inside brake pad. Tighten bolts to specified torque.
Torque specification:
3.0 - 4.0 kg-m (22 - 28 lbs-ft)



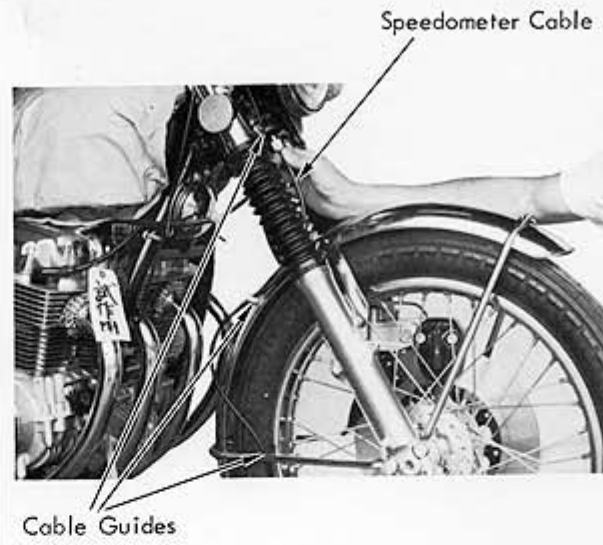
STEP 50 — Install front wheel between fork legs, being careful to fit brake disc between brake pads.



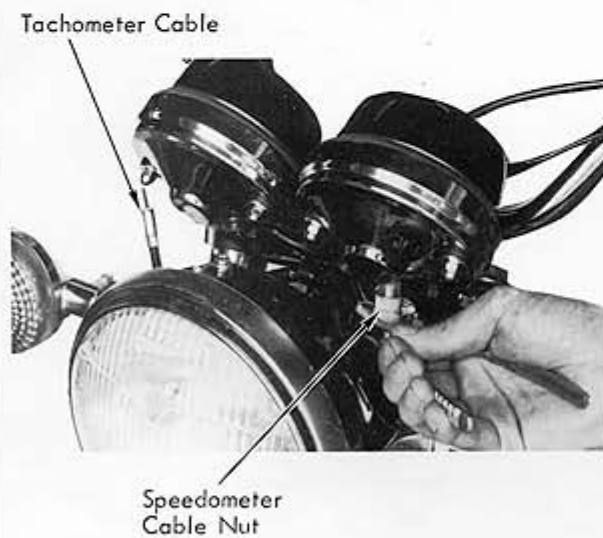
STEP 51 — Position speedometer gearbox horizontal. Install axle holder on each fork leg with high mating surface forward, using an 8 mm nut, lock washer and plain washer on each stud. Tighten finger tight. To prevent misalignment, tighten forward axle holder nuts first to specified torque, then tighten rear nuts to same torque. Adjust front and rear brakes as described in owner's manual or shop manual.
Torque specification: 1.8 - 2.5 kg-m (13 - 18 lbs-ft)



STEP 52 — Insert speedometer cable into speedometer gearbox, aligning slot in cable with blade in gearbox. Install and tighten 5 mm screw.

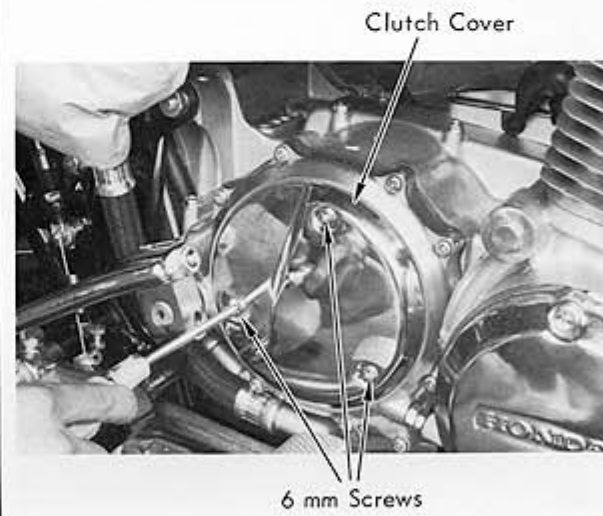


STEP 53 — Route speedometer cable up through cable guide on fender brace, through fender grommet, in front of lower fork bridge, and over to speedometer.

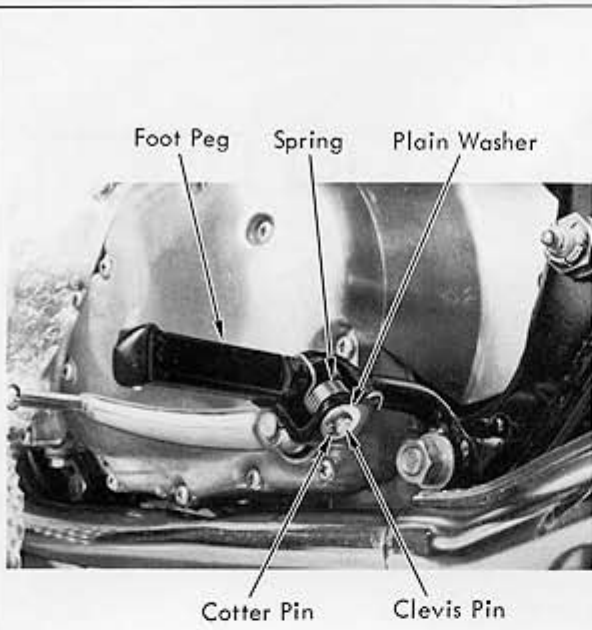


STEP 54 — Connect speedometer and tachometer cables to their respective instruments. Tighten cable nuts with pliers, so they cannot be loosened with the fingers.

CAUTION: Do not overtighten cable nut.



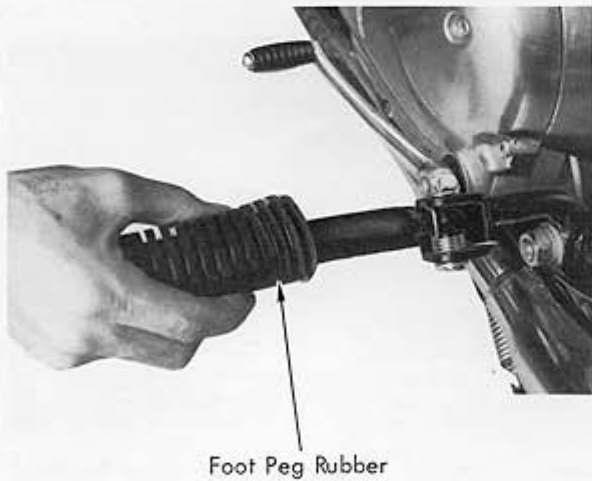
STEP 55 — Install clutch cover, using three 6 mm screws.



STEP 56 — Install foot peg, using spring, plain washer, clevis pin, and cotter pin as shown.



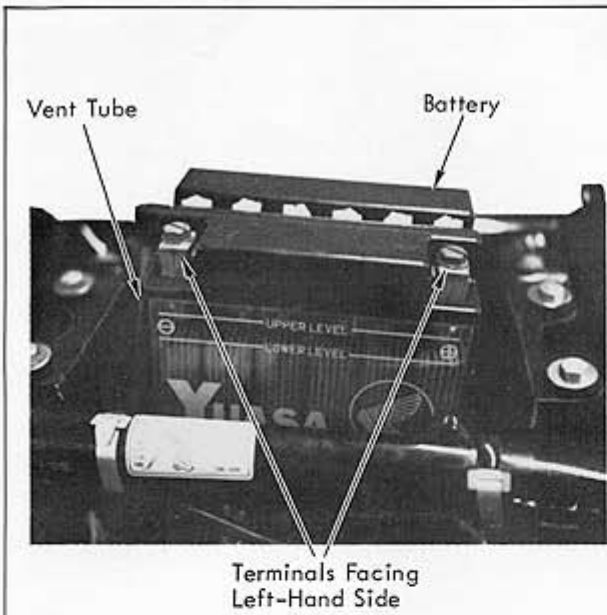
STEP 57 — Install kick starter pedal and gearshift pedal rubbers.



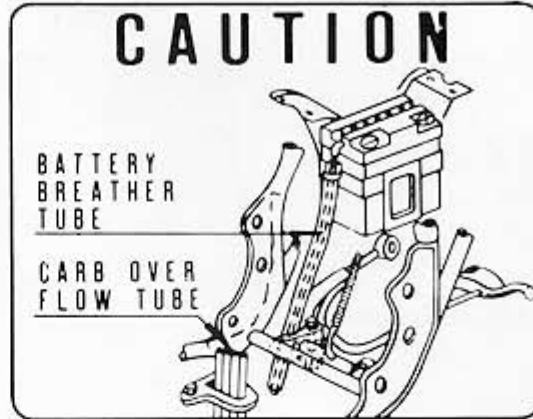
STEP 58 — Install foot peg rubber.



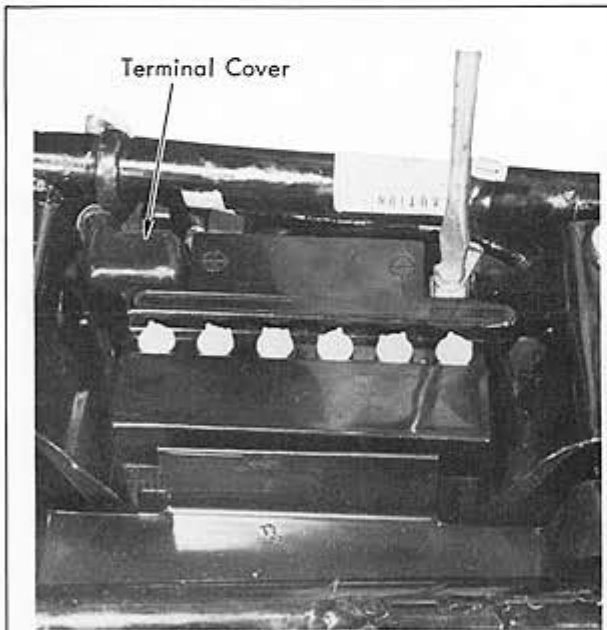
STEP 59 — Turn ignition switch off and remove keys.



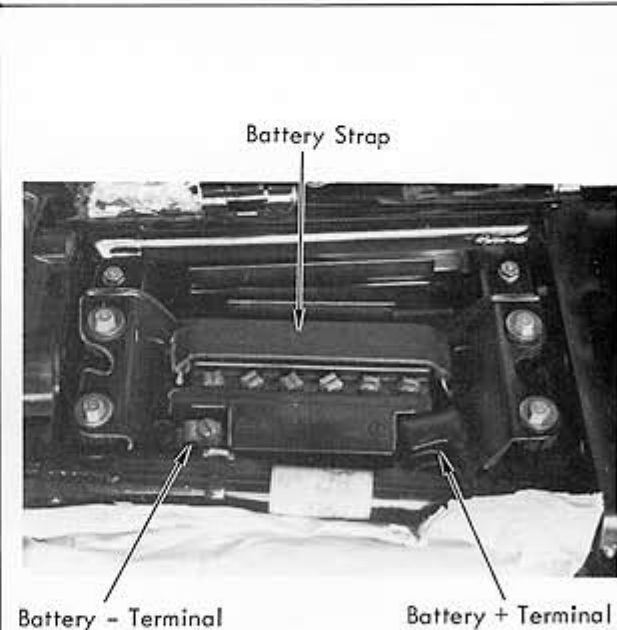
STEP 60 – Service battery as described in shop manual or battery preparation booklet packed with battery. Connect battery vent tube. Install battery with terminals facing left side, while routing battery vent tube down the guide tube.



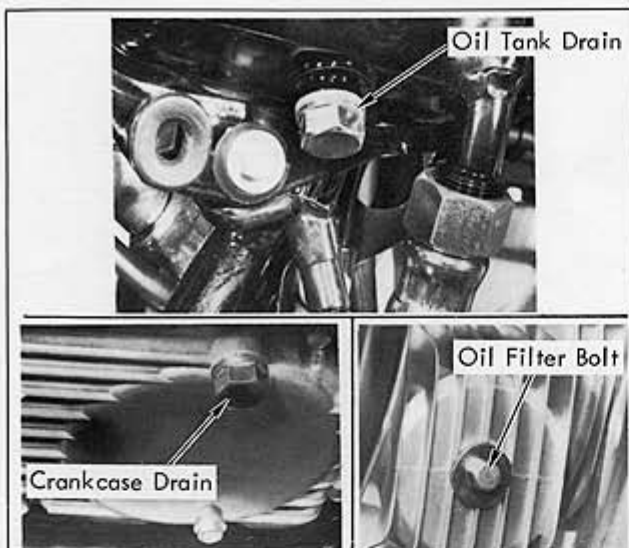
STEP 61 – Check battery vent tube routed as shown on battery caution label.



STEP 62 – Connect the positive cable first (cable with terminal cover attached), then connect ground cable. Tighten securely and coat terminals with grease. Install positive terminal cover.

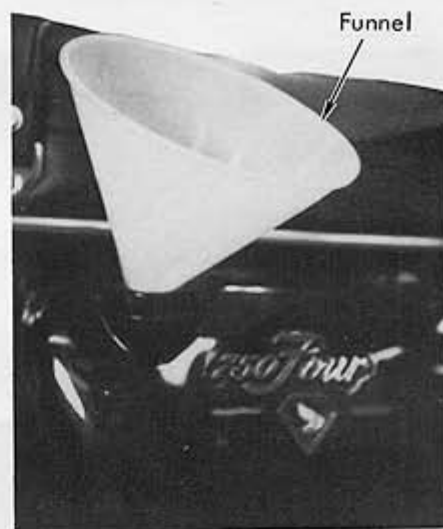


STEP 63 – Install battery strap.



STEP 64 — Remove oil tank side cover and oil tank filler cap. Remove drain plugs from oil tank and crankcase. Remove oil filter. Drain oil. Reinstall oil filter, drain plugs in oil tank and crankcase. Reinstall oil tank side cover.

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

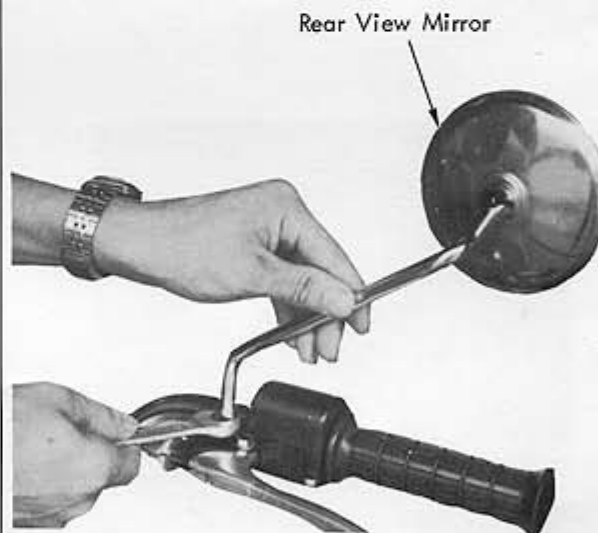


STEP 65 — Insert a funnel in the oil tank filler opening. Fill oil tank with motor oil recommended in the owner's manual or shop manual until oil level reaches the upper level line of the dipstick. Reinstall oil tank filler cap.

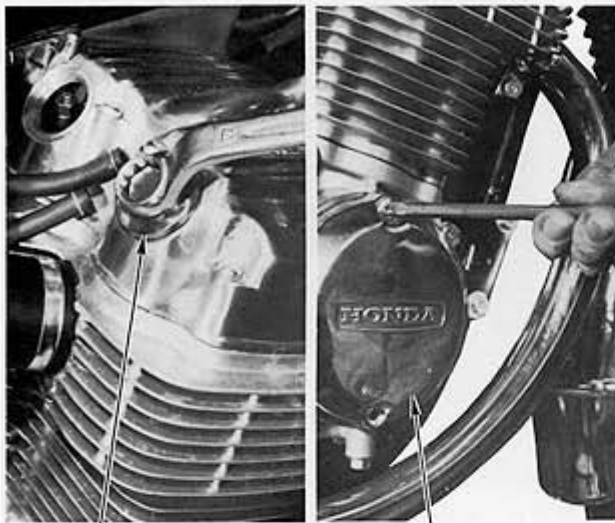
Recheck oil level after the engine has been operated for several minutes, and add oil if necessary.



STEP 66 — Remove fuel lines from fuel petcock, then lift fuel tank rear cushion and remove fuel tank. Drain, flush, and inspect fuel tank. Clean petcock fuel filter.



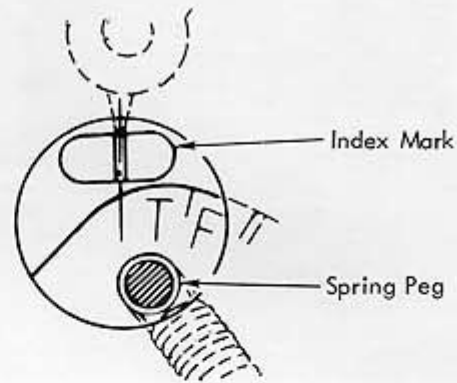
STEP 67 — Install rear view mirrors. Adjust mirrors prior to delivery.



Tappet Covers

Point Cover

STEP 68 — Remove tappet covers and check that valves are free in the guides. If not, saturate valve stems and guides with top end penetrating oil and tap lightly until loose. Remove point cover.



STEP 69 — Rotate the crankshaft until cylinder #1 is 15° ATDC on power stroke (index mark aligns with left edge of spring peg). Adjust cam chain tension as described in the shop manual supplement and in service bulletin 750 #19.

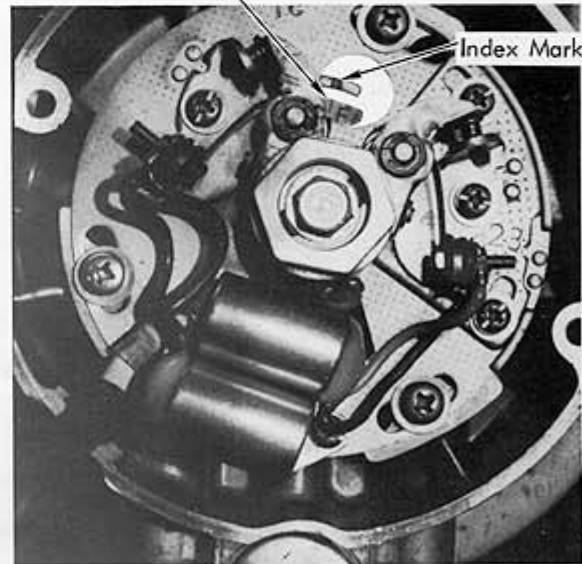


Feeler Gauge

STEP 70 — Check tappet clearance. Adjust tappets, if necessary, as described in the owner's manual or shop manual. Reinstall tappet covers.
Intake: 0.05 mm (0.002 in.)
Exhaust: 0.08 mm (0.003 in.)

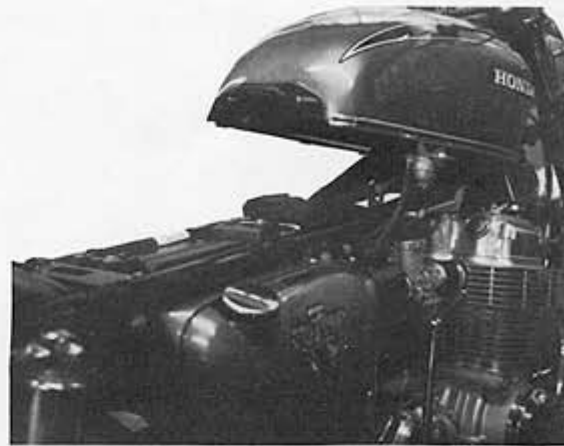
Tappet clearance is adjusted with piston at TDC of compression stroke.

"T 1,4" mark for No. 1 and No. 4 Cylinders
"T 2,3" mark for No. 2 and No. 3 Cylinders





STEP 71 — Check point gap. Adjust points, if necessary, as described in the owner's manual or shop manual.
 Point gap: 0.3 - 0.4 mm (0.012 - 0.016 in.)



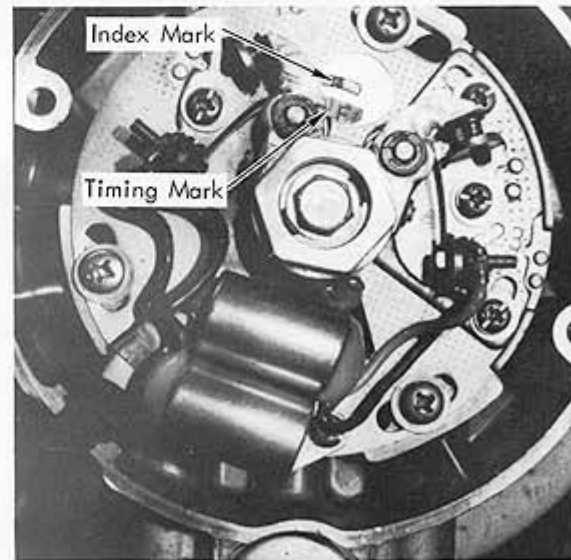
STEP 72 — Install fuel tank with the rear raised to provide access to carburetor adjustments. Connect fuel line extensions as required.

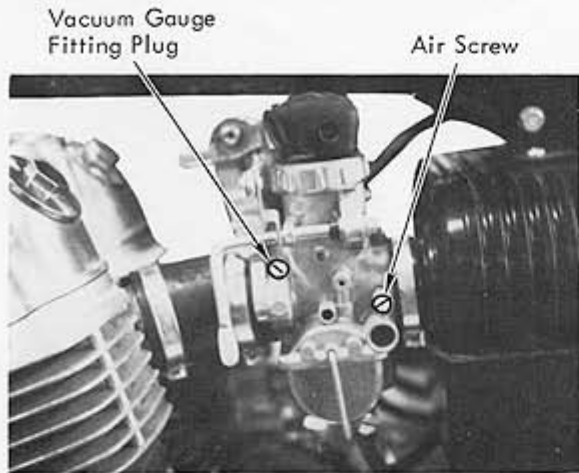


STEP 73 — Using a stroboscopic timing light, check ignition timing at idle and at full advance. Time cylinders 1 and 4, then time cylinders 2 and 3. Adjust timing, if necessary, as described in owner's manual or shop manual. Reinstall cover.

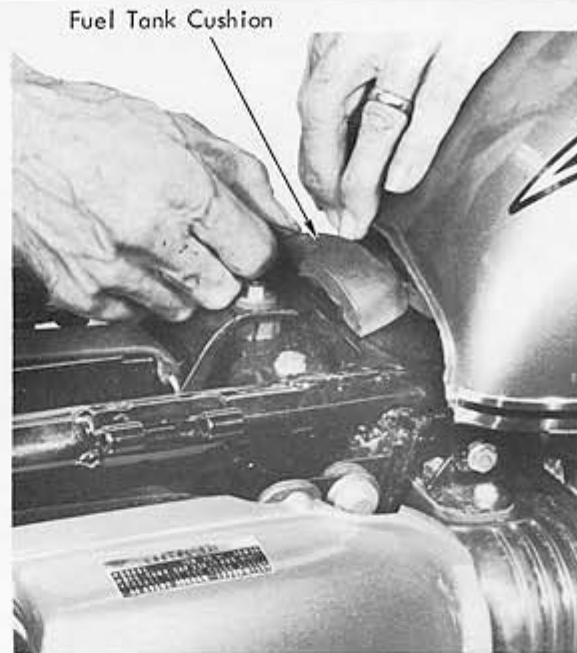
- "F 1,4" mark - Initial firing position for cylinders 1 and 4
- "F 2,3" mark - Initial firing position for cylinders 2 and 3

Advance Starts - 1000 RPM
 Full Advance - 2500 RPM

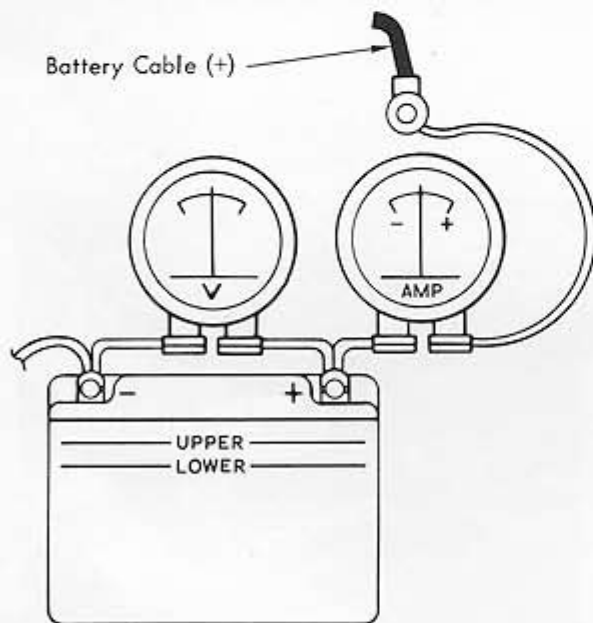




STEP 74 — Adjust and synchronize the carburetors using the vacuum gauge set as described in the shop manual supplement and in service bulletins SL #99 and 750 #25.



STEP 75 — Remove vacuum gauge set and fuel line extensions. Check that wire harness is clear of throttle linkage and clamped tight. Reinstall fuel tank and connect fuel lines.



STEP 76 — Check battery charging system (volts and amperes) at the battery, as described in the shop manual.

CAUTION

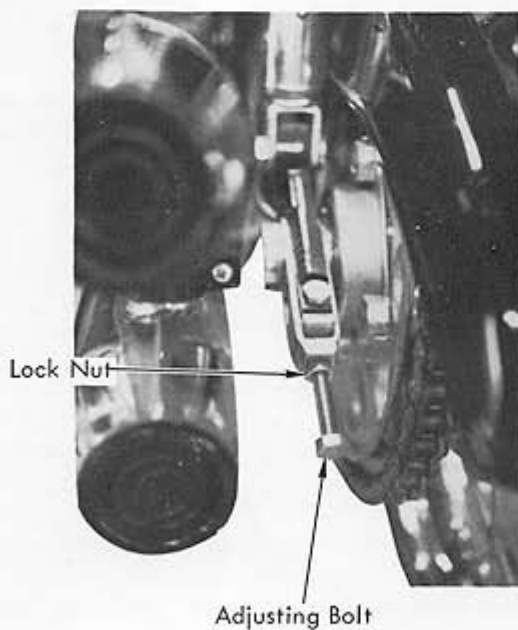
REMOVE BATTERY AND MAINTAIN IN FULLY CHARGED CONDITION UNLESS MOTORCYCLE IS TO BE DELIVERED IMMEDIATELY. REFER TO SERVICE BULLETIN SL #48. DO NOT USE ELECTRIC STARTER IMMEDIATELY AFTER INSTALLATION OF A FRESHLY CHARGED BATTERY. SOME TIME IS REQUIRED FOR BATTERY TO ATTAIN FULL CAPACITY.



STEP 77 — Install seat using two seat hinge pins, plain washers, and lock pins. Insert hinge pins so heads of pins are towards each other.



STEP 78 — Insert tool kit in tray next to battery. Insert owner's manual in document compartment.



STEP 79 — Adjust drive chain and drive chain oiler as described in the owner's manual, shop manual, and shop manual supplement. [19 mm (3/4 inch) slack.]



STEP 80 — Check tire pressure.
 Front: 28 PSI
 Rear: 30 PSI

NOTE: Check all items listed on the following Pre-delivery Service Check List. Always test the the unit to make sure that it is functioning properly.

PRE-DELIVERY SERVICE CHECK LIST

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Fill front brake master cylinder reservoir with DOT 3 (previous designation SAE J 1703) brake fluid, and bleed brake system. <input type="checkbox"/> Adjust front and rear brakes, check cable routing and check operation. <input type="checkbox"/> Adjust clutch, check cable routing, and check operation. <input type="checkbox"/> Drain oil from crankcase and filter (if necessary). Refill oil tank with recommended oil. <input type="checkbox"/> Remove and inspect fuel tank, drain and flush. <input type="checkbox"/> Clean petcock fuel filter. <input type="checkbox"/> Adjust cam chain tension. <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"/> Install and adjust mirrors. <input type="checkbox"/> Clean and check contact points and ignition timing; adjust if necessary. <input type="checkbox"/> Adjust and synchronize carburetors. <input type="checkbox"/> Check throttle grip free play, cable routing, and operation in all steering positions. <input type="checkbox"/> Adjust and lubricate drive chain. <input type="checkbox"/> Check wheel spoke tension. <input type="checkbox"/> Check tire pressure: Front 28 psi; Rear 30 psi. <input type="checkbox"/> Check operation and adjustment of front and rear suspension. | <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 high and low beam aim, and high beam pilot light. • Tail and brake light. • Stop light switches: Adjust and check operation with both front and rear brake controls. • Turn signals. • Horn. • Starter. • Instrument, flasher, oil pressure, and neutral indicator lights. • Battery charging system. <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. • Speedometer and tachometer: Proper operation. • Upon completion of test ride, check for fuel and oil leaks. |
|---|---|

PARTS PACKAGE CONTENTS

Parts package contents information will be supplied when available. Refer to the applicable parts catalog for Honda code and part number of any damaged or missing parts.