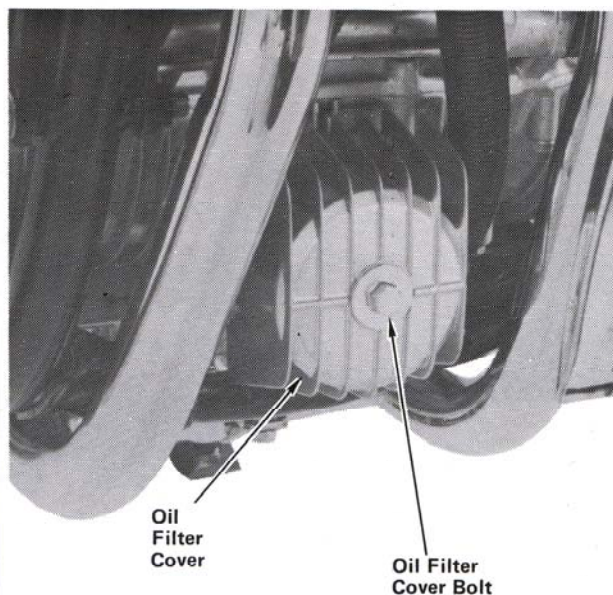


STEP 64— Remove crankcase drain plug and drain engine oil. Check that sealing washer on drain plug is in good condition. Reinstall and tighten drain plug to specified torque.

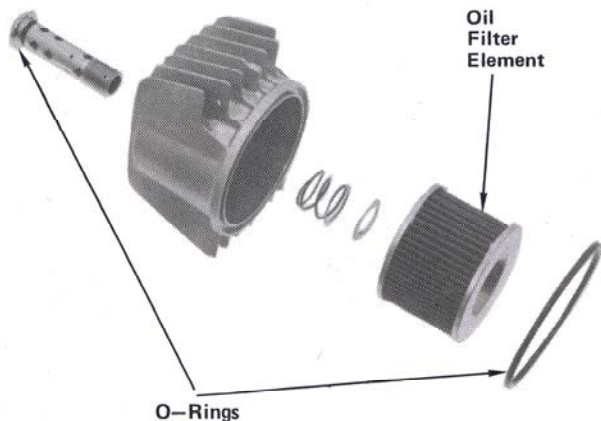
Torque specification:
3.8 kg-m (27 lb-ft)

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



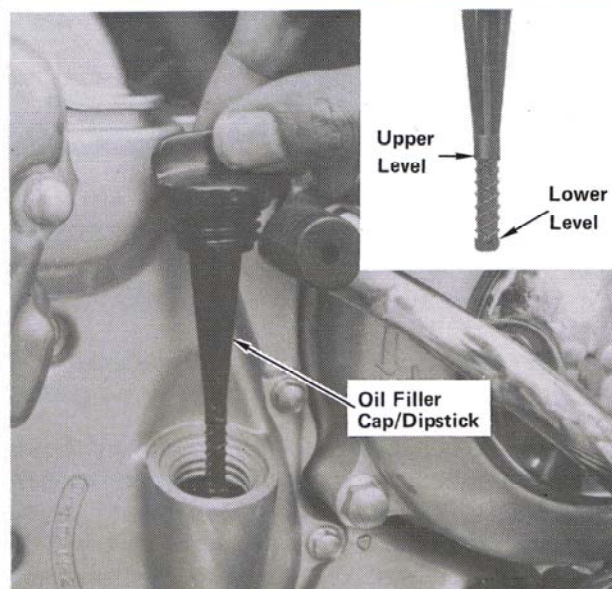
STEP 65— Remove oil filter cover bolt and drain engine oil from cover.

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

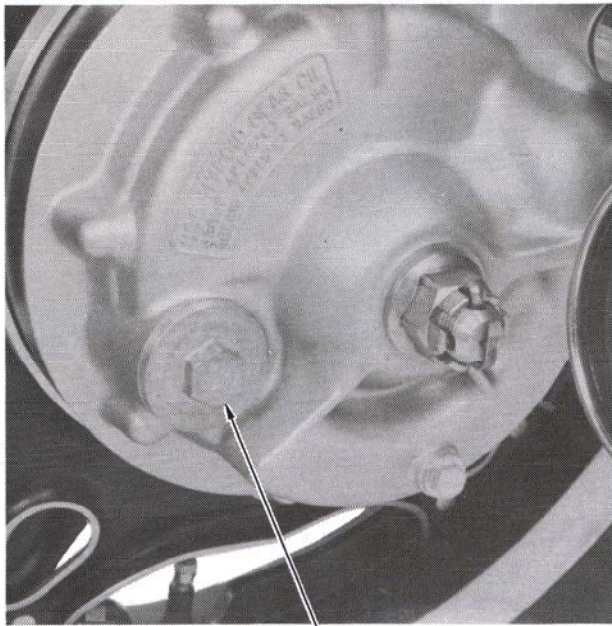


STEP 66— Inspect oil filter and O-ring. Replace if necessary. Install oil filter in cover as shown. Install oil filter cover and tighten bolt to specified torque.

Torque specification:
3.0 kg-m (22 lb-ft)

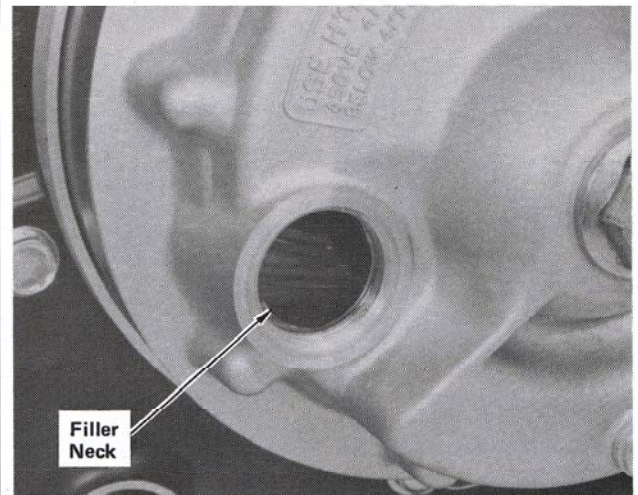


STEP 67— Remove oil filler cap/dipstick and fill crankcase with recommended oil as described in owner's manual or shop manual. Recheck oil level after engine has been operated for several minutes and add oil if necessary.



Oil Filler Cap

STEP 68—With motorcycle on centerstand, remove oil filler cap from final drive gear case.



Filler Neck

STEP 69— Check oil level in final drive gear case and, if necessary, fill gear case up to filler neck with recommended oil. Reinstall and tighten filler cap.

Oil Capacity: 0.15 liter (0.16 U.S. qt.)

Recommended Oil: Hypoid Gear Oil
 SAE 90 above 5°C. (41°F.)
 SAE 80 below 5°C. (41°F.)



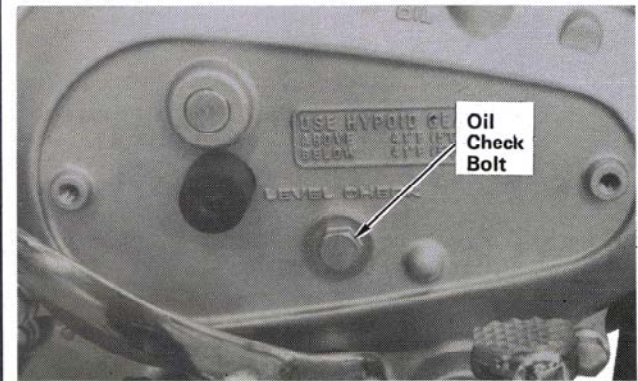
Screw

Oil Filler Cap

Protector Cover

Screw

STEP 70—With motorcycle still on centerstand, remove dual range transmission protector cover by removing two screws. Remove oil filler cap.



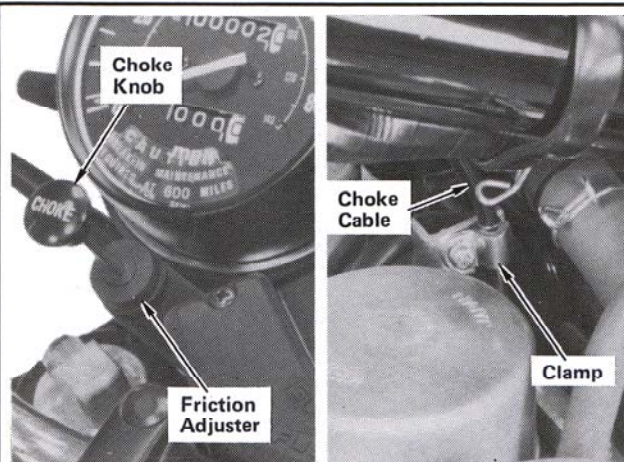
Oil Check Bolt

STEP 71— Remove oil level check bolt and check that oil level is even with lower edge of hole. If necessary add recommended oil. Reinstall oil level check bolt and filler cap. Tighten filler cap. Tighten oil check bolt to specified torque.

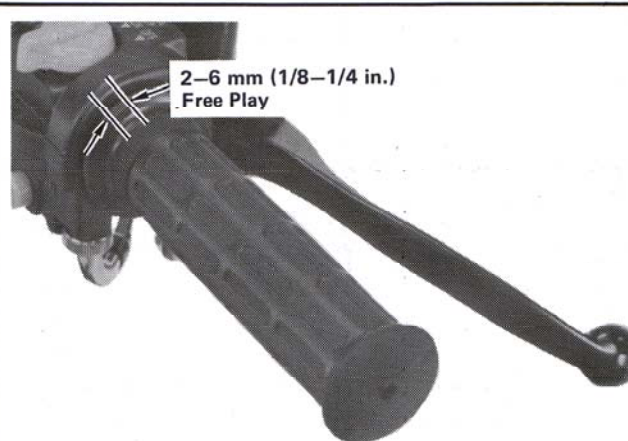
Oil Capacity: 0.6 liter (0.61 U.S. qt.)

Recommended oil: Hypoid Gear Oil
 SAE 85 above 5°C. (41°F.)
 SAE 75 below 5°C. (41°F.)

Reinstall protector cover.

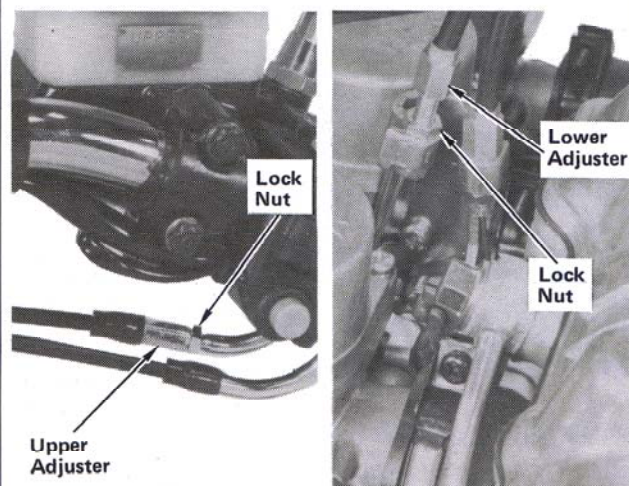


STEP 72— Operate choke knob and check for choke knob free play and smooth operation of choke knob, choke lever and choke shaft. Make sure choke lever does not move upward (closed side) when the choke knob is pulled all the way out. Adjust by loosening choke cable clamp and moving choke cable. Tighten the clamp, holding choke lever fully closed. Adjust choke operating friction by turning adjuster. Choke knob must move smoothly and stay where positioned.

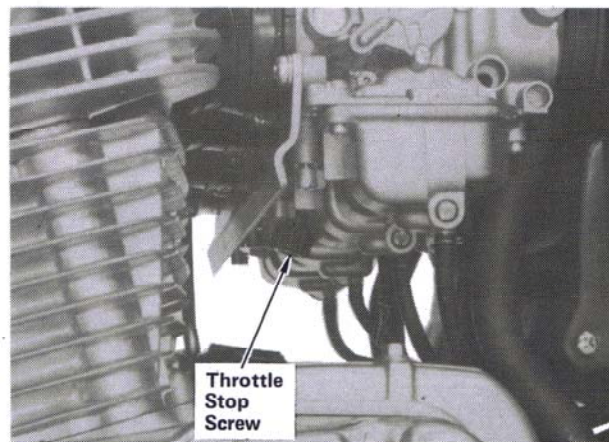


STEP 73— Make sure that there is no deterioration, damage or kinks in throttle cables, and that throttle grip free play is 2–6 mm (1/8–1/4 in.) on outer edge of throttle grip flange. Check for smooth throttle grip full opening and automatic full closing in all steering positions. Adjust if necessary.

NOTE: Accelerator pump may flood carburetors during this inspection.



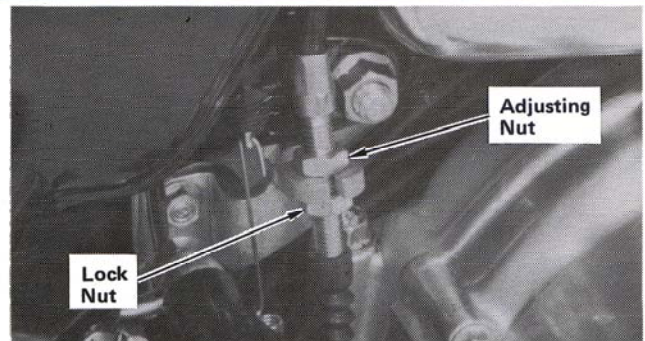
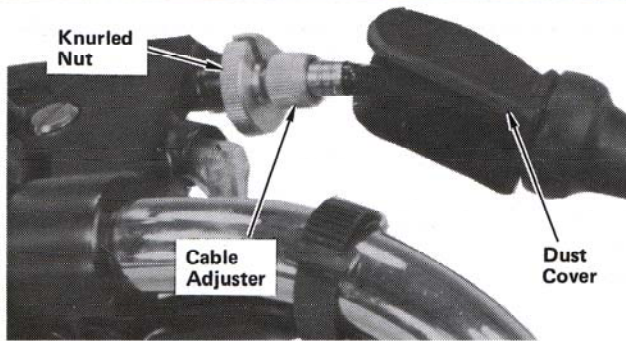
STEP 74— Major throttle free play adjustments are made at lower adjuster. To adjust, loosen adjuster lock nut and turn adjuster. Tighten lock nut. Minor adjustments are performed at upper adjuster. Recheck throttle operation. Replace any damaged parts. Install fuel tank and side covers.



STEP 75— Warm up engine with transmission in NEUTRAL, and motorcycle on centerstand. Turn throttle stop screw as required to obtain specified idle speed.

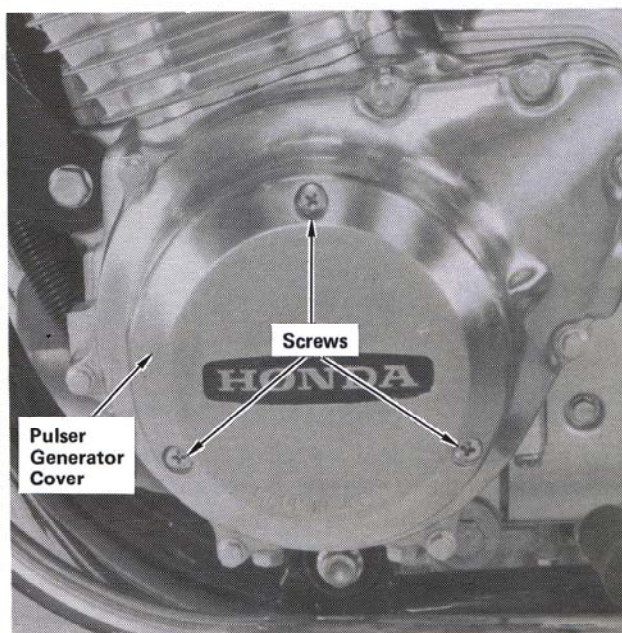
Idle speed: 1,000 ±100 rpm

NOTE: Inspect and adjust idle speed after all other engine adjustments are within specifications. Engine must be warm for accurate idle adjustment. Ten minutes of stop and go operation is sufficient.

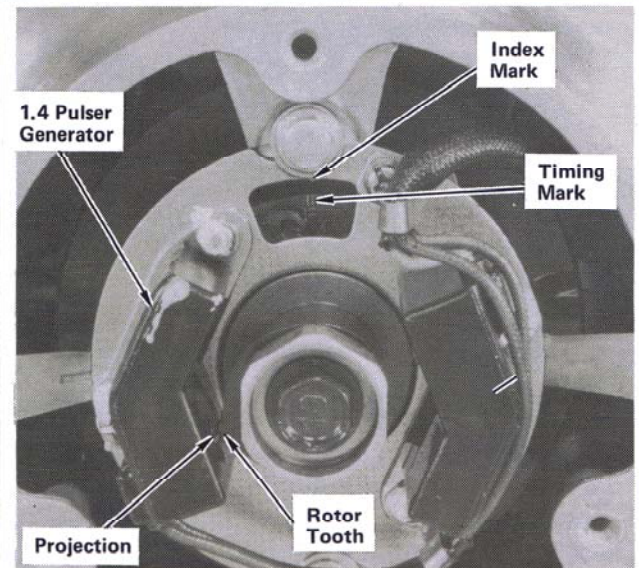


STEP 76— Check clutch lever free play, 10-20 mm (3/8–3/4 in.) measured at tip of clutch lever. If adjustment is necessary, loosen knurled nut and turn cable adjuster until correct free play is obtained. Tighten knurled nut. If adjustment cannot be made with clutch lever adjusting bolt, screw adjuster all the way in. Loosen lower clutch cable adjusting lock nut and turn adjusting nut all the way out to obtain maximum free play. Remove clutch lifter cap, loosen clutch lifter lock nut. Then turn adjusting screw clockwise until slight resistance is felt. From this position, turn clutch adjusting screw counterclockwise 3/4 turn, and tighten lock nut. Reinstall lifter cap. Turn clutch cable lower adjusting nut so that there is 10–20 mm (3/8–3/4 in.) of free play at end of clutch lever. Tighten lock nut. Any minor adjustment can be obtained with cable adjuster and knurled nut at clutch lever. After adjustment, be sure all lock nuts are tightened securely. Reinstall dust cover.

CAUTION: After adjusting clutch, check that clutch is not slipping, or that clutch is properly disengaging as follows: start engine, pull in clutch lever and shift into gear, and check that engine does not stall or motorcycle start to creep. Gradually release clutch lever and open throttle, motorcycle should start smoothly and accelerate gradually.

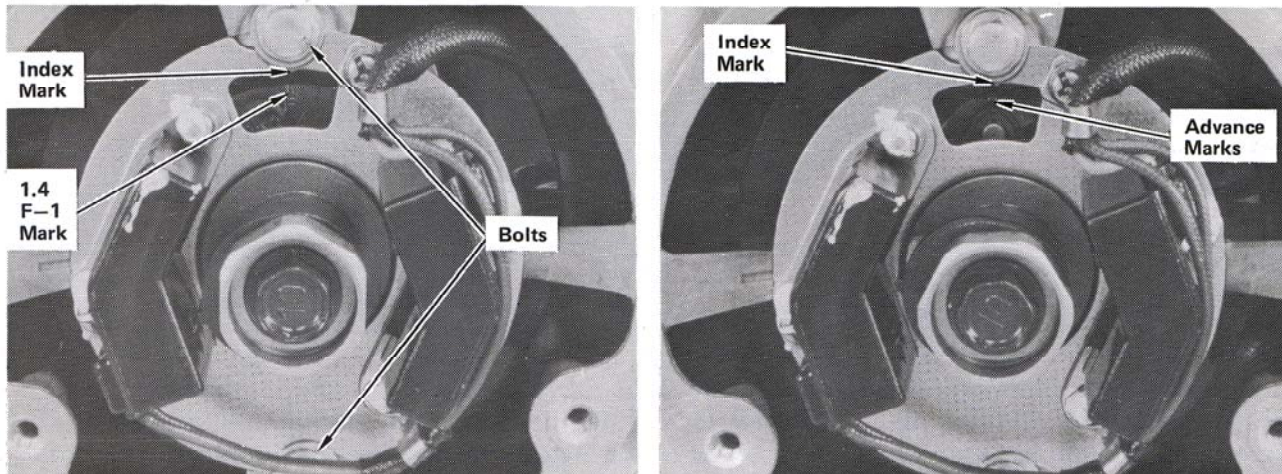


STEP 77—Remove three screws and pulser generator cover.



STEP 78—**STATIC TIMING METHOD:** rotate crankshaft counterclockwise and align “1.4S-F” mark with index mark. Timing is correct if narrow projection of “1-4” pulser generator aligns with rotor tooth.

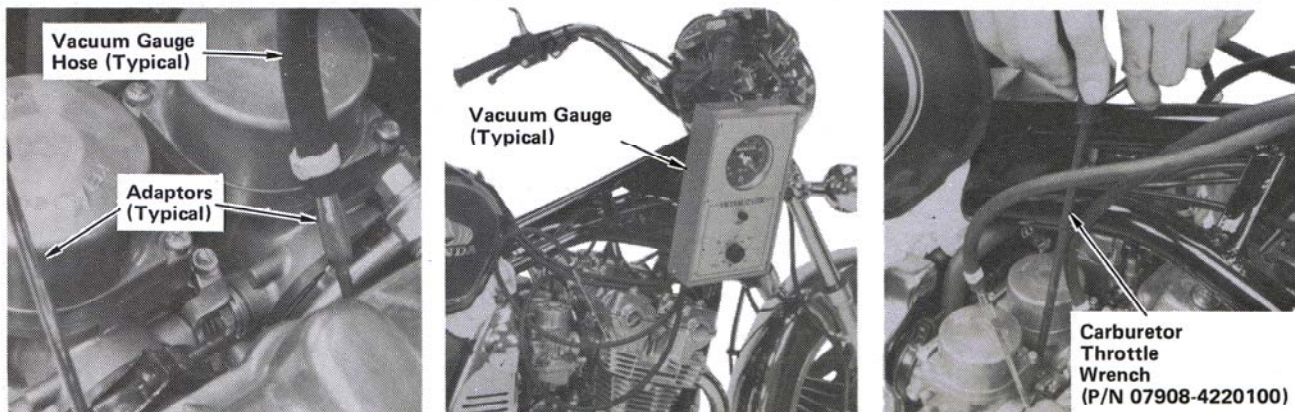
NOTE: Either #1 or #4 piston must be near T.D.C. (Top Dead Center) of compression stroke at this time.



STEP 79— DYNAMIC TIMING METHOD: remove pulser generator cover. Connect stroboscopic timing light to #1 cylinder's high tension lead. Start engine and let it idle. Aim timing light at timing mark. "1.4 F-1" mark should align with index mark. If timing is not correct, adjust by loosening two pulser base plate bolts and rotating plate. Tighten bolts and recheck timing. Start engine and bring engine speed to 3,100 rpm or above and check that index mark is between full advance marks. Replace advancer assembly if it is not functioning properly. Reinstall pulser generator cover.

Idle speed: 1,000 ±100 rpm

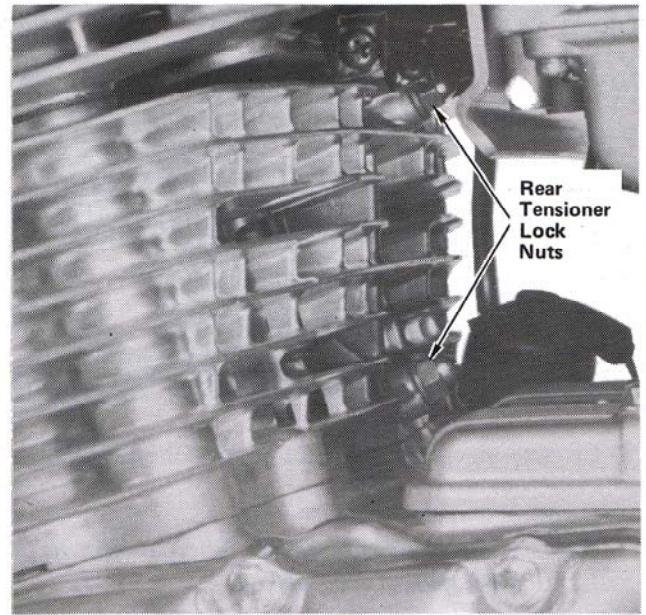
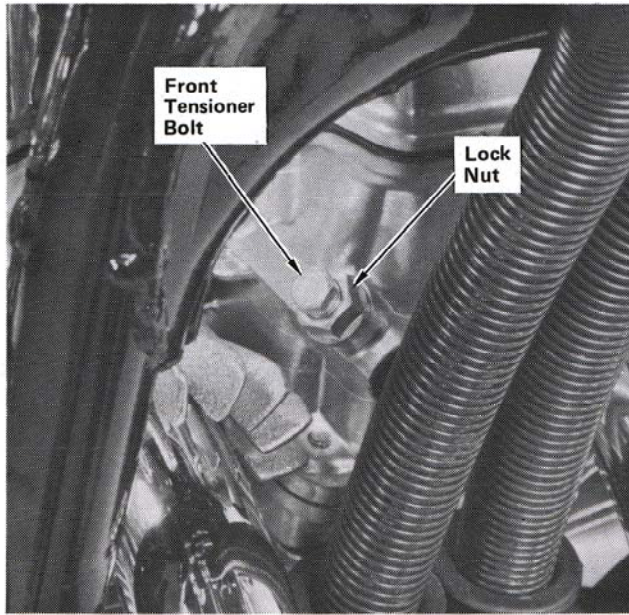
CAUTION: Do not allow engine speed to exceed 9,500 rpm or engine damage may result.



STEP 80— Remove both side covers and seat. Turn fuel petcock OFF and remove fuel line and fuel tank. Prepare a longer fuel line and connect it between fuel tank and carburetor. Position fuel tank higher than normal. Remove plugs from intake ports and install vacuum gauge adaptors, and connect vacuum gauges. Turn fuel petcock ON. Start engine and adjust idle speed. Check that difference in vacuum readings is 60 mm Hg (2.4 in. Hg) or less. If necessary, adjust by loosening lock nuts and turning adjusting screws with carburetor throttle wrench tool. Tighten lock nuts and recheck idle speed and synchronization. Remove fuel line extension, and adaptors. Reinstall fuel tank and side covers. Reinstall seat.

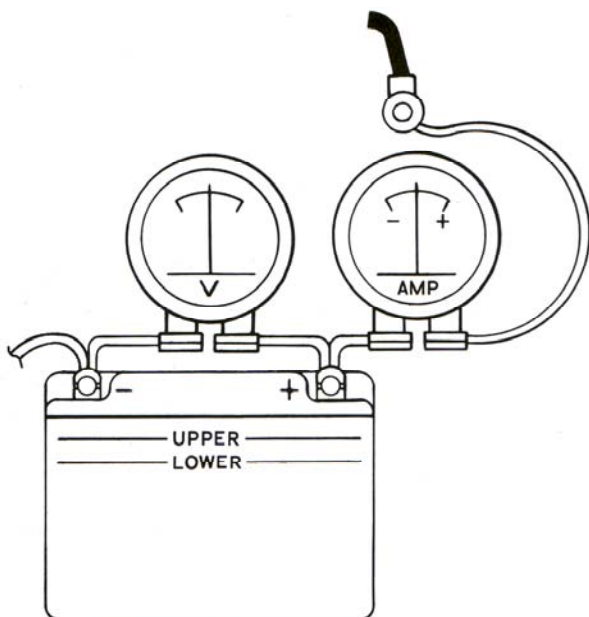
NOTES:

- Synchronize carburetors with engine at normal operating temperature, transmission in neutral and motorcycle on centerstand.
- #2 carburetor cannot be adjusted; it is base.



STEP 81— Start engine and let it idle. Loosen then tighten front cam chain tensioner lock nut and bolt. Loosen then tighten rear cam chain tensioner lock nuts.

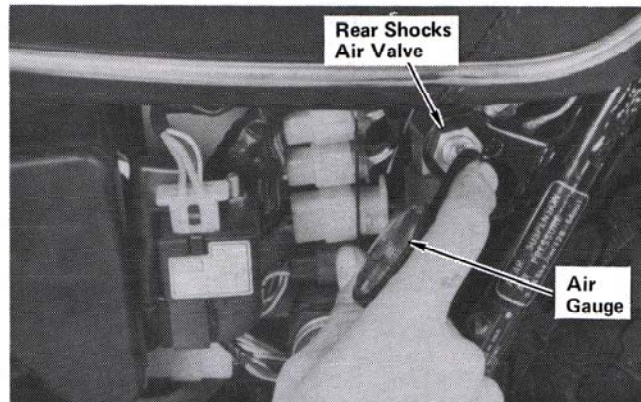
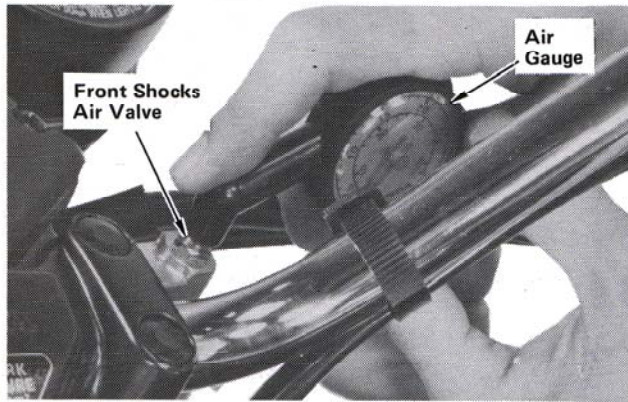
NOTE: Tensioner will automatically position itself to provide correct tension when lock nuts or bolt are loosened.



STEP 82— Check battery charging system (volts and amperes) at battery, as described in 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.



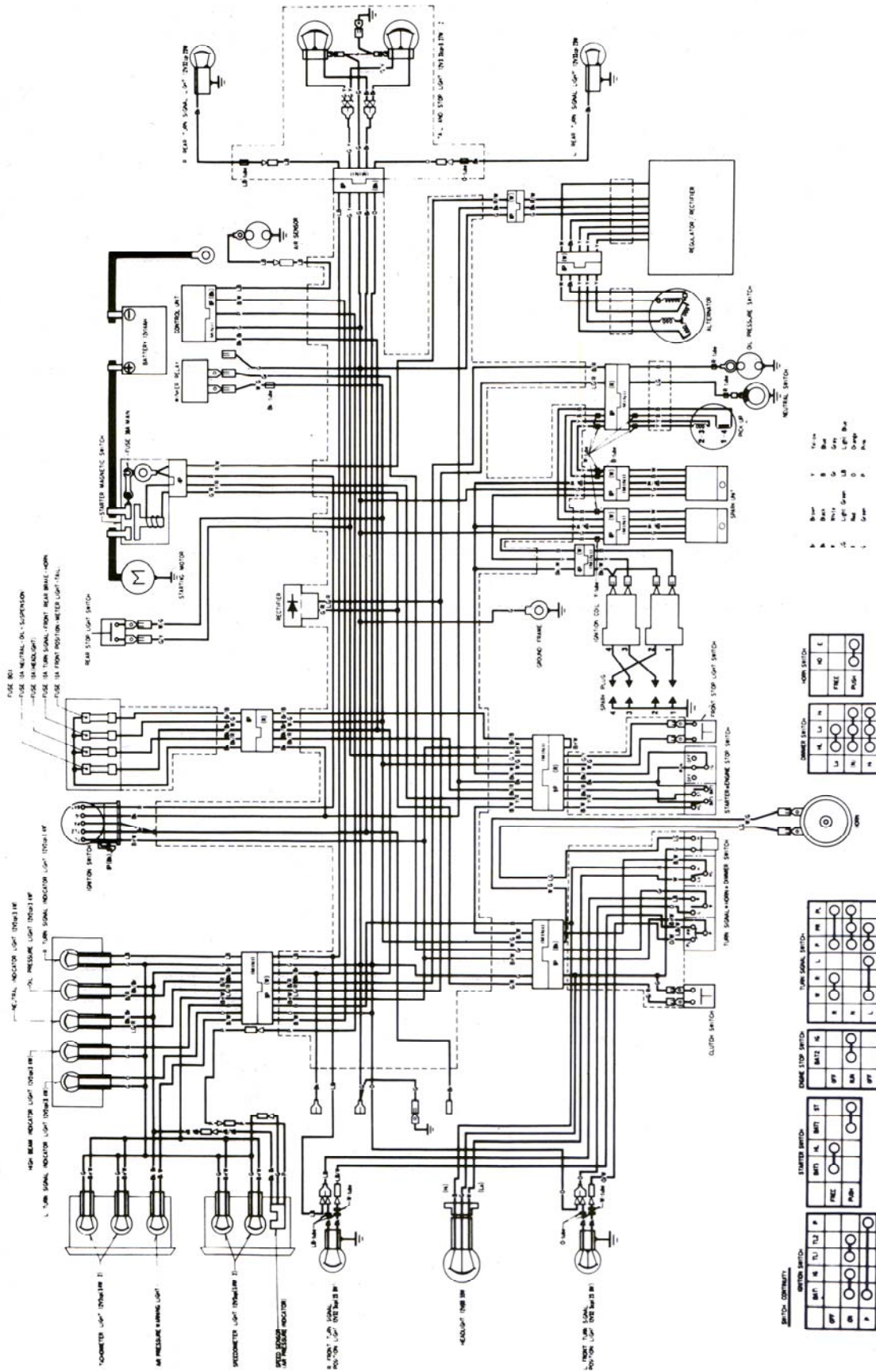
STEP 83— Remove left side cover. Check air pressures in front and rear shock absorbers. Reinstall left side cover.

NOTE: Check air pressures when front and rear shock absorbers are cold.

1. Place motorcycle on centerstand. (Do not use side stand when checking).
2. Remove caps from air valves for front and rear shock absorbers.
3. Check front and rear shock absorber air pressure with an air gauge.
4. Add air if necessary.
Recommended Air Pressures:
Front: 11–16 psi
Rear: 28–64 psi
5. Reinstall air valve caps.

TORQUE TABLE

ITEM	SIZE	TORQUE
Handlebar holder socket bolts	8 mm	2.1 kg-m (16 lb-ft)
Master cylinder holder bolts	6 mm	1.0 kg-m (8 lb-ft)
Front axle nut	-----	6.0 kg-m (44 lb-ft)
Caliper setting bolts	8 mm	1.8 kg-m (13 lb-ft)
Front axle holder nuts	8 mm	3.5 kg-m (26 lb-ft)
Rear handrail bolts	8 mm	2.1 kg-m (16 lb-ft)
Seat bolts	8 mm	2.1 kg-m (16 lb-ft)
Front fender bolts	6 mm	1.0 kg-m (8 lb-ft)
Speedometer cable screw	5 mm	0.5 kg-m (3 lb-ft)
Engine oil drain plug	-----	3.8 kg-m (27 lb-ft)
Oil filter bolt	-----	3.0 kg-m (22 lb-ft)
Cylinder head cover bolt	6 mm	1.0 kg-m (8 lb-ft)
Final drive gear case filler cap	-----	1.2 kg-m (9 lb-ft)
Engine mount bolts	10 mm	4.0 kg-m (29 lb-ft)
Dual range transmission check bolt	-----	1.8 kg-m (13 lb-ft)



NOTE: Check all items listed on the following Pre-Delivery Service Check List. Refer to owner's manual or shop manual for specifications and detailed procedures. Always test ride the unit to make sure that it is functioning properly.

PRE-DELIVERY SERVICE CHECK LIST

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <input type="checkbox"/> Fill front and rear brake master cylinder reservoirs with DOT 3 (previous designation SAE J 1703) brake fluid, and bleed brake system. <input type="checkbox"/> Check operation of front and rear brakes. <input type="checkbox"/> Adjust rear brake pedal height. <input type="checkbox"/> Adjust clutch, check cable routing, and check operation. <input type="checkbox"/> Drain oil from crankcase and filter (if necessary). Fill crankcase with recommended oil. <input type="checkbox"/> Remove and inspect fuel tank, drain and flush. <input type="checkbox"/> Check valve clearance, adjust if necessary. <input type="checkbox"/> Reinstall fuel tank, fill with fuel, turn on fuel valve and check for leaks. <input type="checkbox"/> Check and clean air cleaner element. <input type="checkbox"/> Adjust cam chain tension. <input type="checkbox"/> Install and adjust mirrors. <input type="checkbox"/> Check choke operation and adjust idle speed. <input type="checkbox"/> Check ignition timing. Adjust if necessary. <input type="checkbox"/> Synchronize carburetors. <input type="checkbox"/> Check throttle grip free play, cable routing, and operation in all steering positions. <input type="checkbox"/> Fill dual range transmission and final drive gear case with recommended oil, if necessary. <input type="checkbox"/> Check tire pressure and wheel condition. <input type="checkbox"/> Check operation and air pressure of front and rear suspension. <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 check high beam pilot light. | <ul style="list-style-type: none"> • Tail and stoplight. • Stoplight switches: Adjust and check operation with both front and rear brake controls. • Turn signals. • Position lights. • Horn. • Engine stop switch. • Starter. • Instrument, flasher, oil pressure, air pressure, headlight, and neutral indicator lights. • Battery charging system. <ul style="list-style-type: none"> <input type="checkbox"/> Check security of all nuts, bolts, and other fasteners. <input type="checkbox"/> Check to ensure all applicable recall and product update campaigns are complied with. <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. • 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. • Speedometer and Tachometer: Proper operation. • Upon completion of test ride, check for fuel and oil leaks. |
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LOOSE PARTS

The following is a list of loose items contained in the parts package cartons located behind the front forks and on the crate base.

PART NAME	QTY	H/C	PART NUMBER
Front wheel	1	-----	-----
Front fender	1	91107	61100-461-000
Right fender guide	1	91108	61102-461-000
Left fender guide	1	91109	61103-461-000
Flange bolt 6 x 16 mm	4	29741	95700-06016
Master cylinder holder	1	-----	45517-422-016
Bolt/washer 6 x 25 mm	2	37683	93481-06025-0A
Ignition switch setting rubber	1	66903	37623-415-000
Socket bolt 8 x 32 mm	4	40902	90185-371-000
Socket bolt cap	4	-----	91456-371-770
Wire band B1	4	46881	32161-404-000
Dust cover clutch	1	-----	53180-425-010
Speedometer gearbox	1	76875	44800-425-013
Oval screw 5 x 20 mm	1	05631	93700-05020-0A
Collar, front wheel	1	48294	44311-410-000
Hex nut (axle holder) 10 mm	2	05805	94001-10000-0S
Plain washer 10 mm	2	17255	94102-10000
Lock washer 10 mm	2	05900	94111-10000
Right side cover	1	91118	83610-461-000ZA
Left side cover	1	91120	83710-461-000
Battery	1	-----	31500-425-000
Terminal washer	2	91883	90149-461-000
Terminal setting bolt	2	91884	90150-461-000
Rear view mirror	2	-----	88110-449-770
Owner's manual	1	85334	3146100

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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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