HONDA
NC50

SERVICING PROCEDURES

ate of Issue: Sep' 1976
HONDA MOT(LTD.

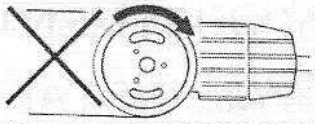
HONDA NC50

SERVICE PRECAUTIONS

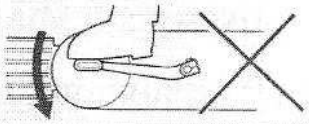
■ Never fail to obey the following cautions during service operation, since the starter spring may cause hazard.

(1) Before servicing, make sure that starter spring is released by depressing pedal and squeezing rear brake lever.

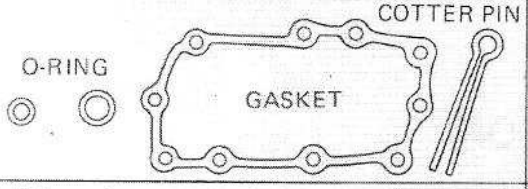
(2) Do not hand-rotate generator rotor clockwise.



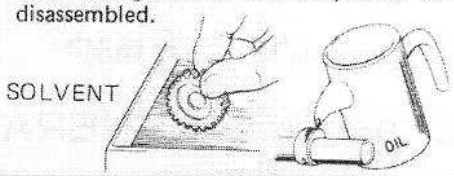
(3) Do not depress starter pedal unless necessary.



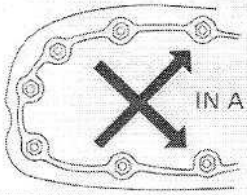
■ Always replace whenever reassembled.



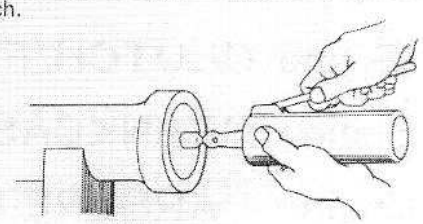
■ Wash clean engine parts with solvent. Lubricate their sliding surfaces with 2-cycle oil whenever disassembled.



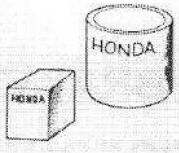
■ Tighten fasteners, beginning on center or larger dia. bolts to specs, where sequence is not specified, in a X pattern.



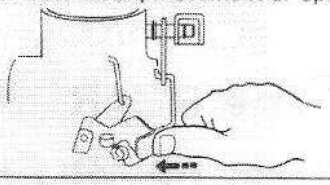
■ Grease by coating or filling where specified as such.



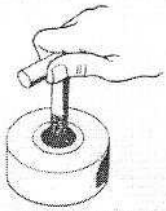
■ Use HONDA or HONDA-recommended parts and lubricants.



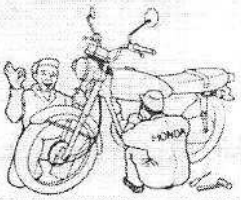
■ After reassembling, check every possible part for proper installation, movement or operation.



■ Use special tool where so specified.



■ Always check mutual safety when working with partner.



– SYMBOLS –

These symbols are used throughout the manual to show specific kinds of operation, sequence of service procedures, etc.

①, ②, ③ ···· : Indicates sequence of service operations.

: Apply oil.

GREASE : Apply grease.

WARNING : Means the possibility of personal injury to yourself or others.

CAUTION : Means the possibility of damage to the machine.

NOTE : Provides torque values and special information for more efficient and convenient servicing.

Date : September, 19
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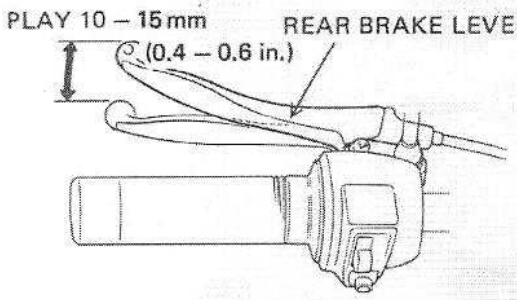
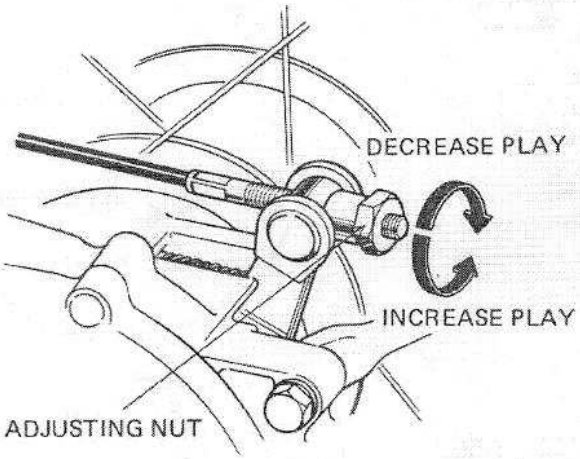
INSPECTION/ADJUSTMENT

(BRAKE LEVER ADJUSTMENT)

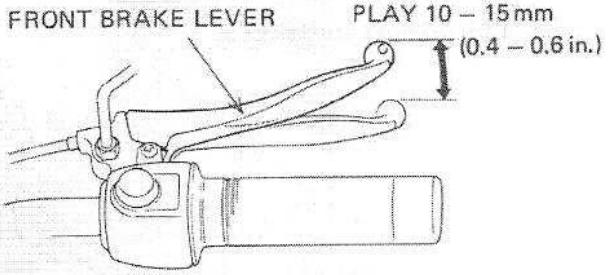
Check brake lever play at lever tip. If out of specs., adjust by turning adjusting nut.

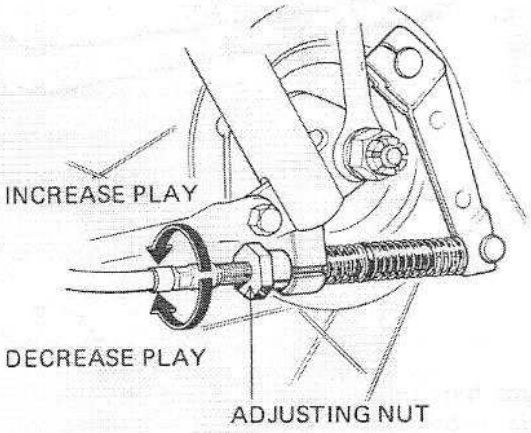
(REAR)





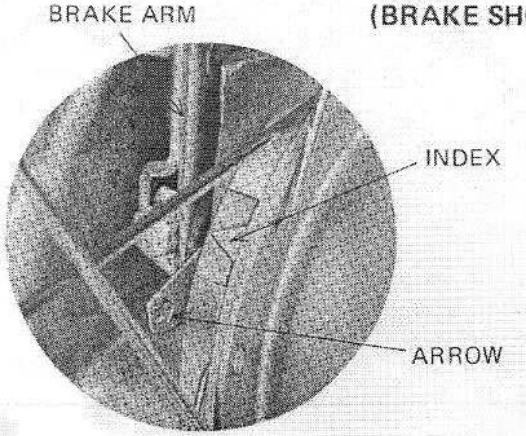
(FRONT)





To reset the brake arm, refer to page 17-2 (front brake), page 18-1 (rear brake).

(BRAKE SHOE INSPECTION)



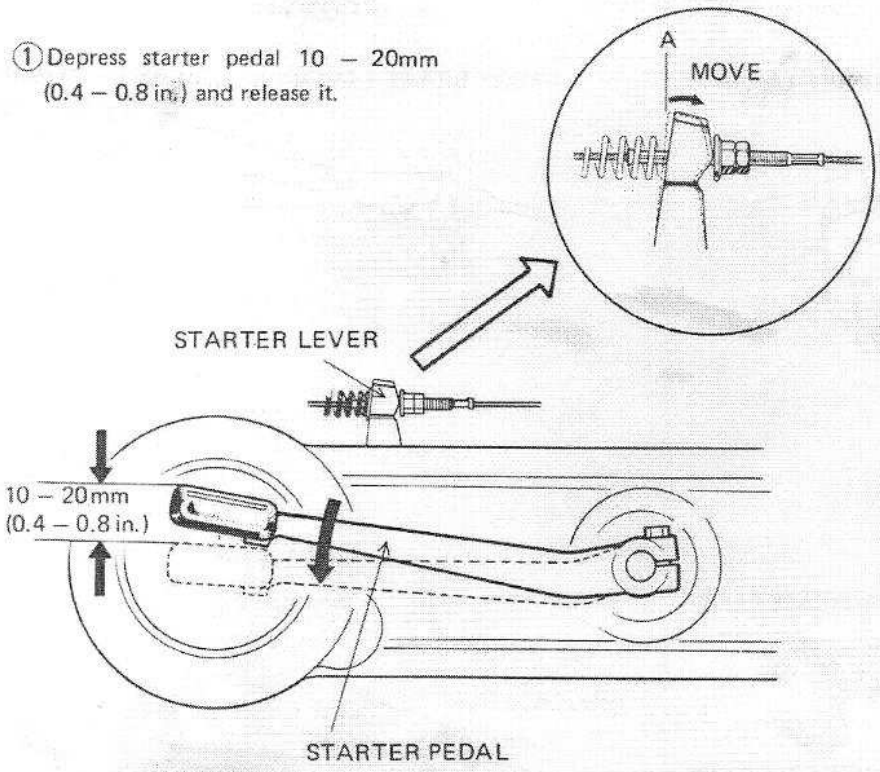
Replace shoe if arrow mark on brake indicator aligns with index, when lever is pulled in all the way.

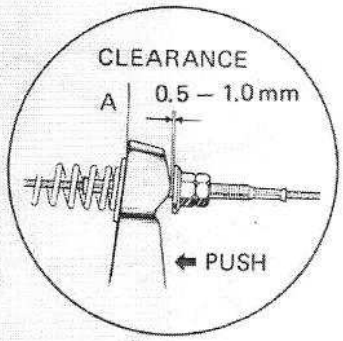
Be sure to check the proper starter spring operation, after adjusting rear brake lever free play (page 8-2).

(STARTER LEVER ADJUSTMENT)

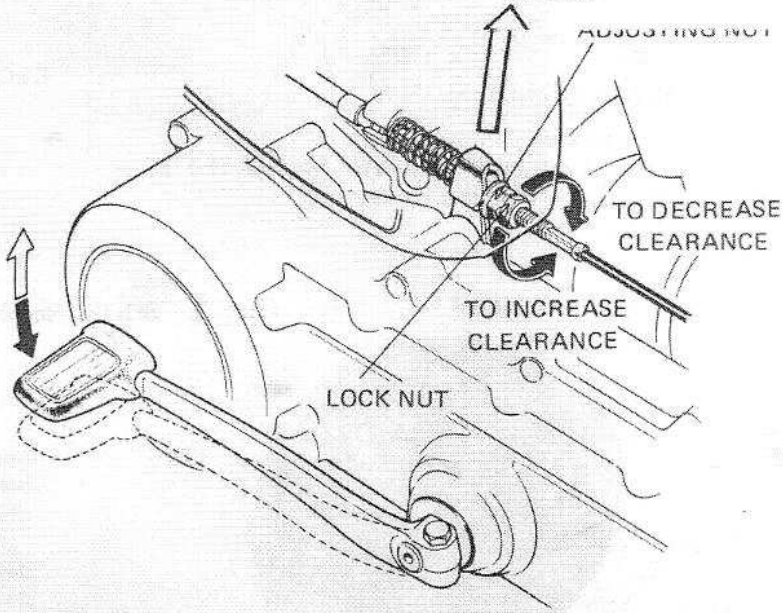
This adjustment is essential to achieve proper starter spring operation. Prior to this adjustment, check rear brake lever free play and adjust if necessary (page 8-1).

① Depress starter pedal 10 – 20mm (0.4 – 0.8 in.) and release it.



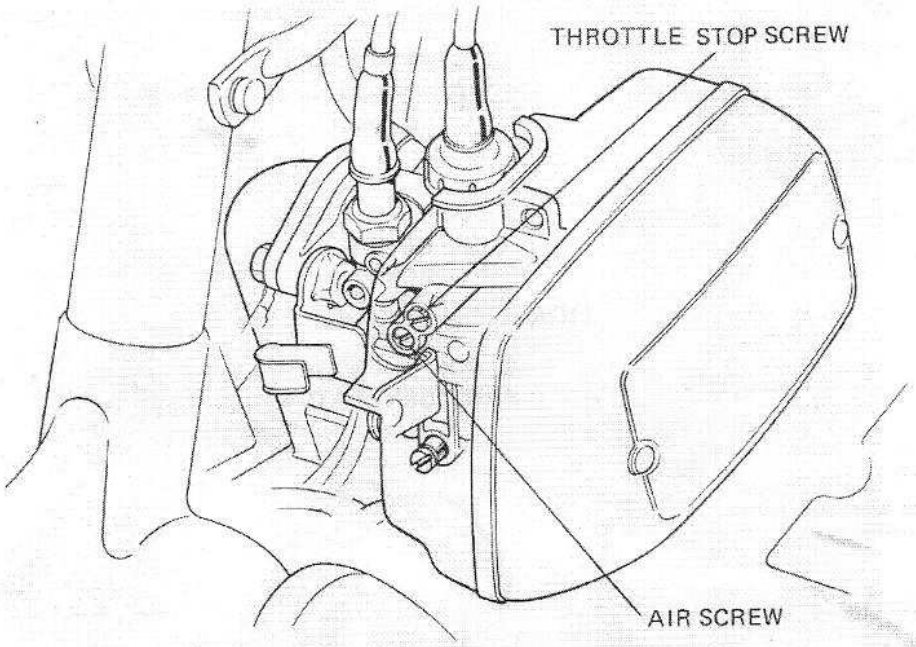


② Adjust lever-to-nut clearance to 0.5 – 1.0 mm (0.02 – 0.04 in.) from upper most forward position (A).



③ Start and stop the engine a few times (more than five times with new rear brake cable) and check that the clearance has not changed. If necessary repeat steps ① and ② above.

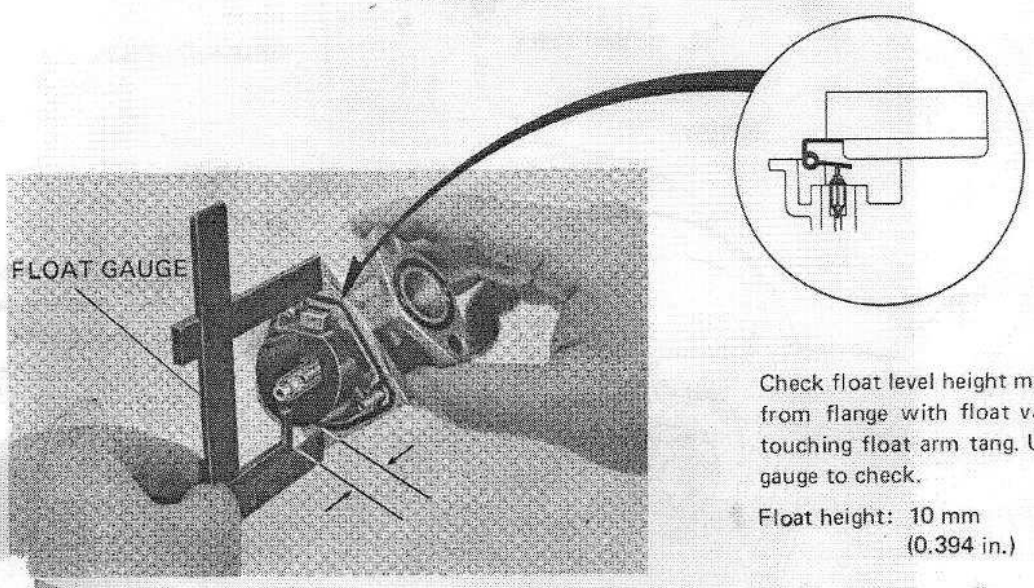
(IDLE ADJUSTMENT)



① Start the engine and set it at lowest idle speed by turning the throttle stop screw.
② Turn the air screw either in or out to obtain the highest idle speed.
③ Screw the air screw in 1/8 – 1/4 turns.
④ Adjust the throttle stop screw to allow the engine to run at an idle speed. Rotation of stop screw in a clockwise direction increases speed.

IDLE SPEED: 1,800 rpm.

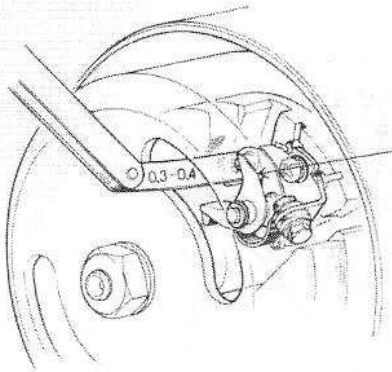
(FUEL LEVEL)



Check float level height measured from flange with float valve just touching float arm tang. Use float gauge to check.

Float height: 10 mm (0.394 in.)

(CONTACT BREAKER POINT GAP)

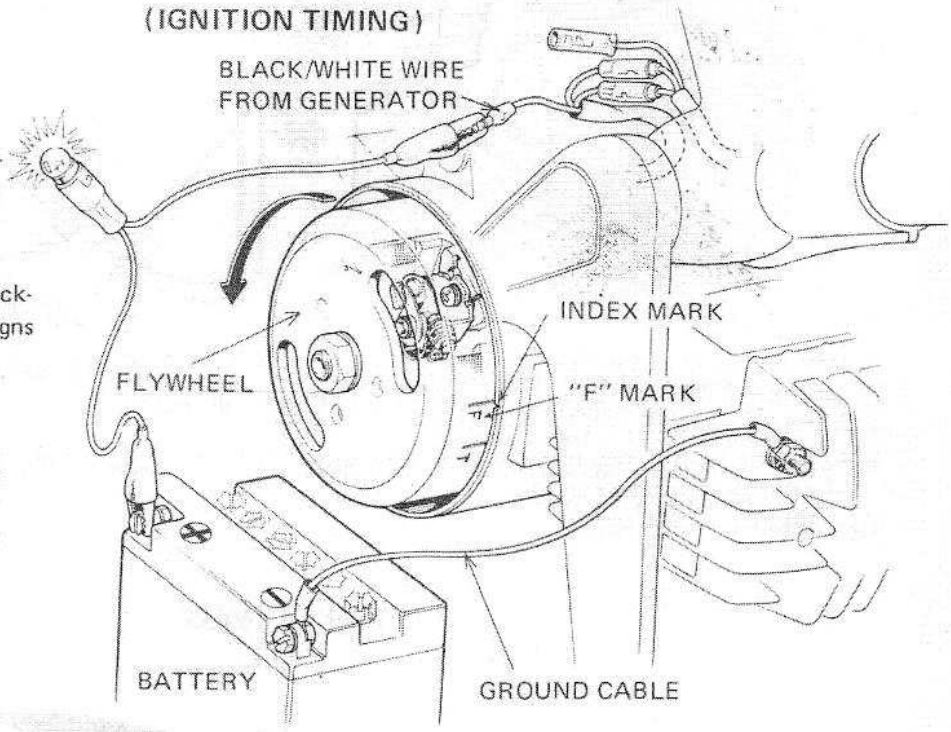


① Insert a feeler gauge through the rotor hole.

② Check point gap.
Replace if out of specs.. (0.3 – 0.4mm)

0.3 – 0.4mm (0.012 – 0.016 in.)

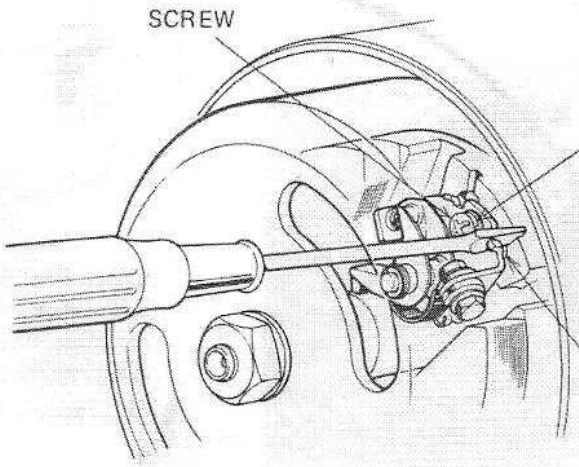
(IGNITION TIMING)



① Turn the flywheel counterclockwise until the "F" mark aligns with the index mark.

WARNING

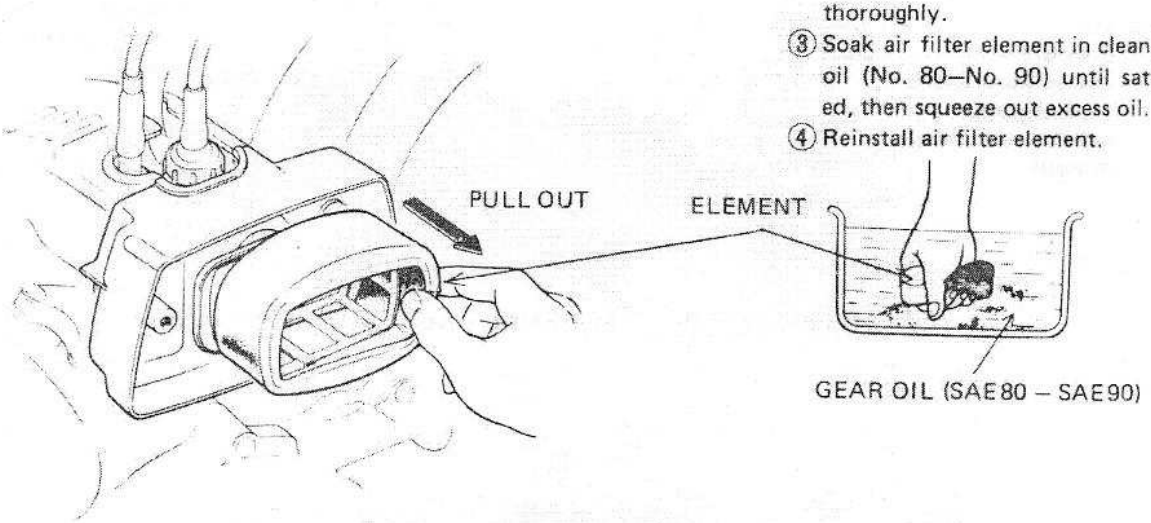
Do not hand-rotate the generator rotor clockwise as the starter spring will wind.



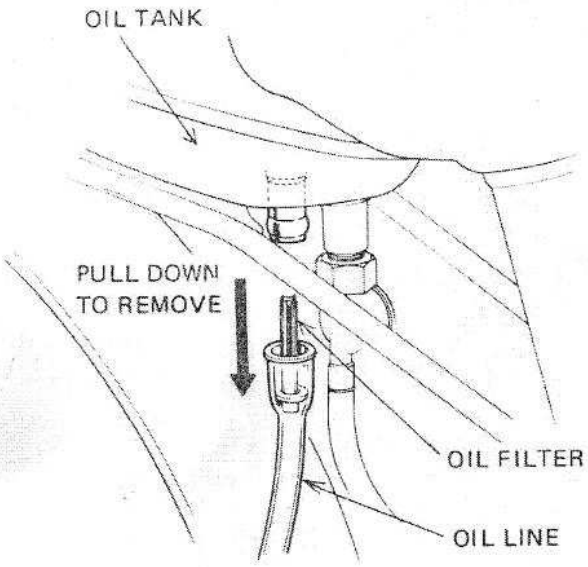
② To adjust, loosen the base screw and move the base to get the correct ignition timing where lamp becomes dim with marks aligned.

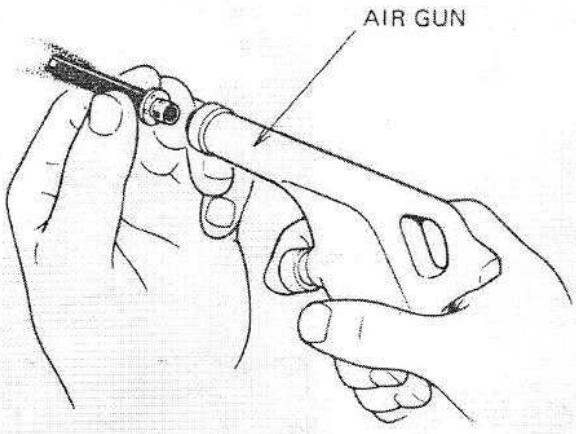
(AIR CLEANER ELEMENT)

CAUTION
① Remove air filter element.
② Wash air filter element in clean stoddard solvent and allow to dry thoroughly.
③ Soak air filter element in clean gear oil (No. 80–No. 90) until saturated, then squeeze out excess oil.
④ Reinstall air filter element.



(OIL FILTER CLEANING)

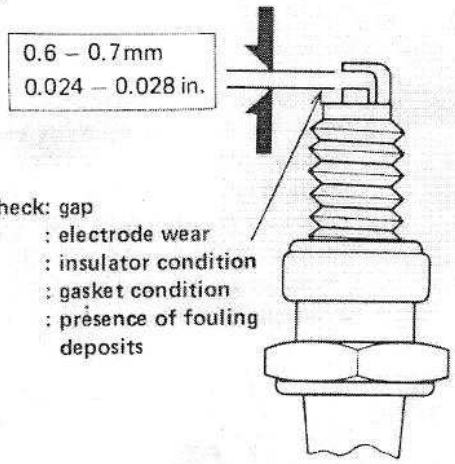




CAUTION

- Empty the oil tank before cleaning.
- Bleed the air from the oil line and the oil pump after cleaning.
- Fill the oil tank with oil and then bleed the air from the oil line. Page 8 – 7.

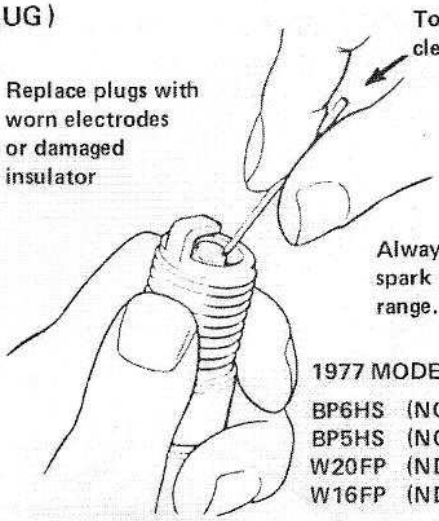
(SPARK PLUG)



Check: gap
: electrode wear
: insulator condition
: gasket condition
: presence of fouling deposits

To clean, use plug cleaner or steel wire.

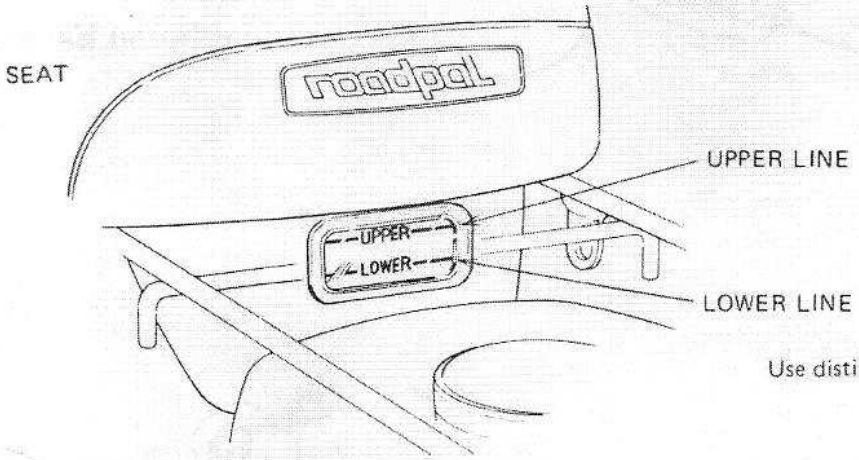
Replace plugs with worn electrodes or damaged insulator



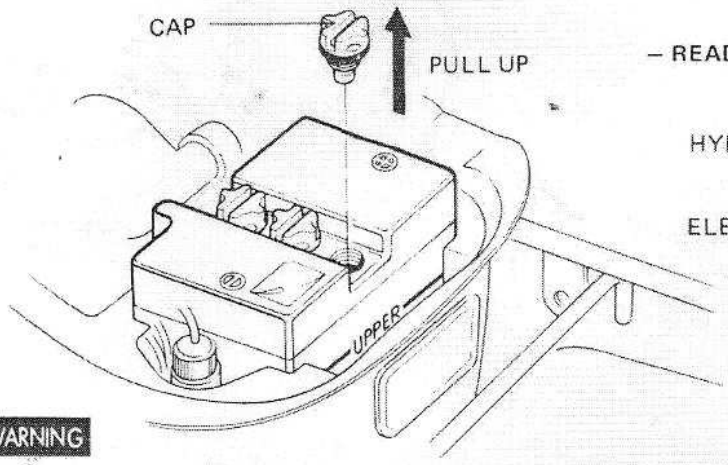
Always use the correct spark plug size and heat range.

1977 MODEL	1978 MODEL
BP6HS (NGK)	BP5HS (NGK)
BP5HS (NGK)	BP4HS (NGK)
W20FP (ND)	W16FP (ND)
W16FP (ND)	W14FP-L (ND)

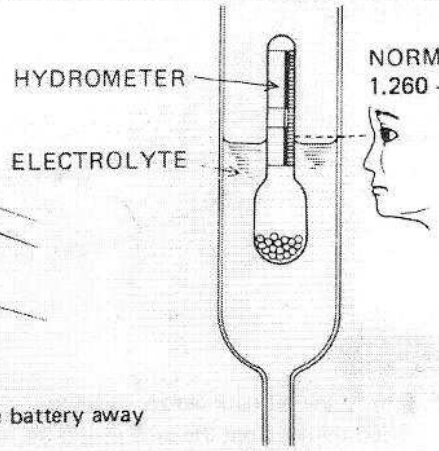
(BATTERY ELECTROLYTE LEVEL CHECK/REPLENISHMENT)



Use distilled water to raise electrolyte level.



– READING SPECIFIC GRAVITY OF ELECTROLYTE –



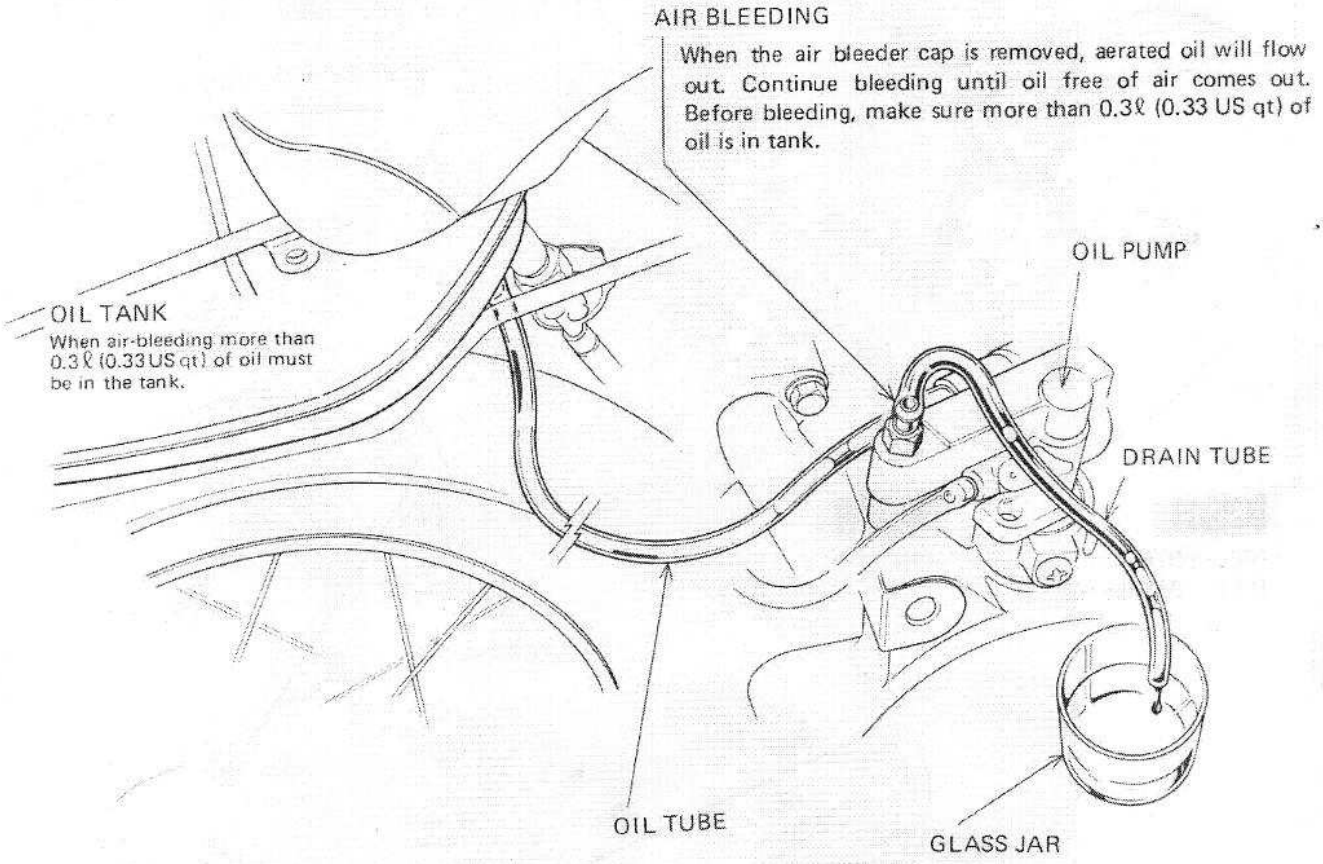
WARNING

- Do not service the battery while the engine is running. Keep the battery away from open flames or sparks.
- Avoid overfilling the battery. Sulfuric acid is very corrosive.

(BLEEDING OIL PUMP)

The oil pump and the oil line must be bled to eliminate air whenever.

- The oil line disconnected.
- The oil supply is completely used up.
- The engine is removed.



(L. COVER OIL REPLACEMENT/LEVEL CHECK)
PAGE 13 – 2