

Timing

After replacing a signal generator coil, or if you suspect timing of one of the cylinders is incorrect, check it as follows.

Remove the **two** screws to take off the left engine cover. There are three sets of marks on the outside of the rotor: an L (Left) and an S mark for the left cylinder timing, R and S marks for the right cylinder, and C and S marks for the center.

Check timing by aligning the pointer with the S mark, and seeing if the trailing edge of the rotor magnet projection coincides with the timing mark on the top of the coil housing. If one of the coils is out of line, loosen the two coil base plate mounting screws and move that coil base to the right or left.

CAUTION: Do not pry on the coil itself as this may break the coil housing.

To completely recheck and adjust timing, see below.

TEST PROCEDURES

PART II

Part Two covers detailed test and adjustment procedure.

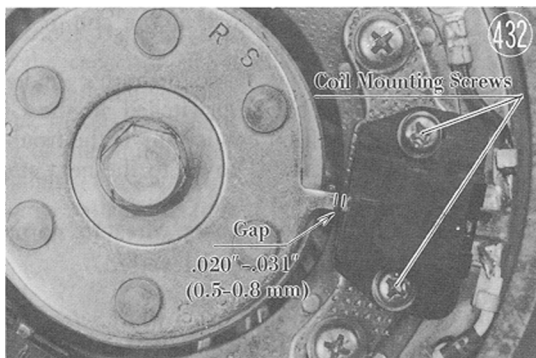
Timing

To completely readjust the timing follow these steps:

1. Set the spark plug gap to .035-.039 in. (.9-1.0 mm). The standard plug is an NGK B-9HS-10. Plug installation torque is 18.0 - 22.0 ft-lb (2.5-3.0 kg-M).

2. Take out the **two** screws and remove the left cover.

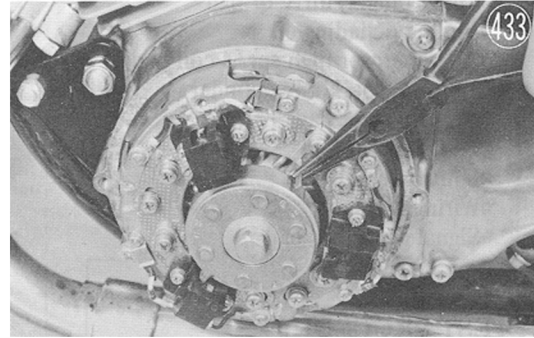
3. Using a feeler gauge, check the gap between each signal generator pickup coil and the magnet projection on the rotor. The correct gap is .020-.031 in. (0.5-0.8 mm). If the gap is incorrect, loosen the two mounting screws and move the coil by hand to set it.



CAUTION: Do not pry on the coil with a screwdriver or any other tool since this may break the coil housing.

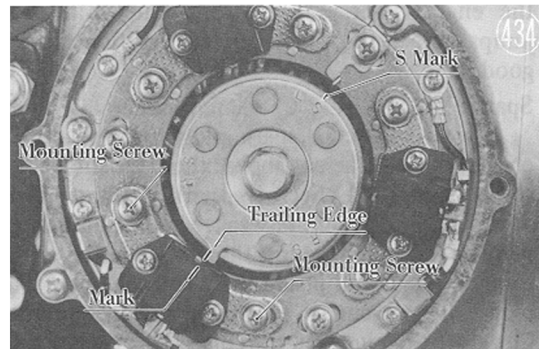
4. Remove the spark plugs and insert a dial gauge into the left cylinder. Set the piston to .1231 in. (3.13 mm) BTDC.

5. Bend the pointer on the generator stator to coincide with the L mark on the rotor.



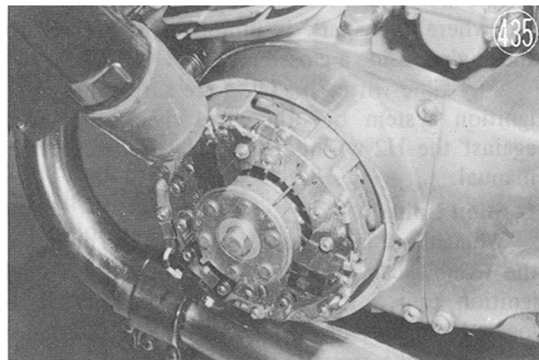
6. Turn the rotor slightly to align the S mark with the pointer.

7. See if the trailing edge of the rotor magnet projection coincides with the mark on top of the left cylinder signal generator coil housing. If it does not, loosen the two coil base plate mounting screws and move the base plate right or left, again taking care not to pry on the coil itself.



8. Repeat steps and for the right and center cylinders, aligning the right and center S marks with the pointer.

9. Reinsert the spark plugs, connect a strobe to the left cylinder plug, start the engine and see if the rotor L mark coincides with the pointer at 4,000 r.p.m. If it does not, readjust left cylinder timing.



10. Repeat step 9 for the right and center cylinders, seeing that the R and C marks coincide with the pointer.