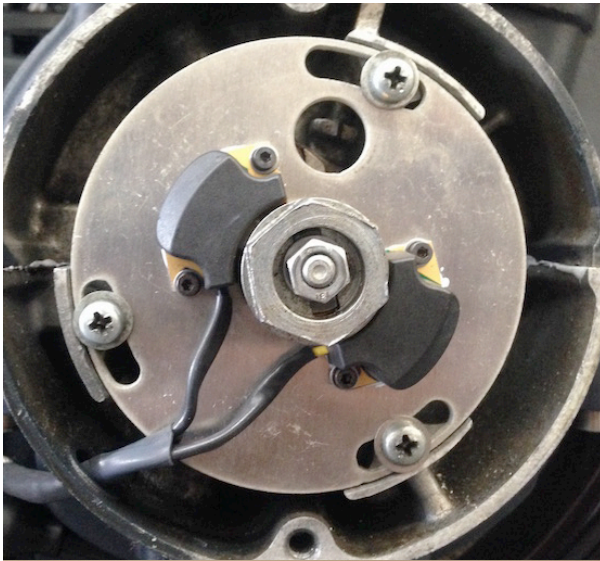


Installation & Timing Instructions for Electronic Ignition on 500/550/750 Fours



INSTALLATION

1. Remove existing points and condensers. Carefully remove outer rotor from your motorcycle's mechanical advance unit.
2. Install new rotor so that the magnets face the 1 and 4 stamped in the plate (see photo).
3. Check the springs on advancer for tension. Make sure they are operating properly. Lubricate or adjust if necessary.
4. Install the new ignition plate with the electronic pickups already mounted. **DO NOT REMOVE** pickups from plate.
5. Plug unit in as follows: locate rear brake light switch and disconnect the black wire. Plug the black wire from the unit into the newly vacant black wire coupler in the harness. Plug black wire from brake light switch into the female coupler connected to this wire. Connect yellow wire from unit to yellow wire on harness, and do the same with the blue wire.
6. Turn on power and static time unit using the instructions below.

TIMING THE UNIT - Use a basic 12v test light to time both sides of the ignition

1. Plug the timing light in series with the yellow wire. This is in order to check the timing on the #2 & #3 cylinders.
2. Using either an adjustable wrench or a 22mm wrench (as provided in the stock tool kit) rotate the large nut on the end of the crankshaft clockwise. The timing light will be lit up brightly for most of the rotation. There will be a point (approx 40 degrees) before the "F" mark appears in the inspection window (for the #2 & #3 cylinders) that the light will dim. The light should come on again precisely as the "F" mark lines up with the cast pointer on the inside of the engine case. Note where the light comes on - do not make any adjustments to the plate or pickups at this time.
3. Repeat the process with the timing light in series with the blue wire (for cylinders #1 & #4). Note where the light comes on.

At this point you will have an indication of how to set the timing.

- If both sides appear to be early, rotate the plate clockwise.
- If both sides appear late, rotate the plate counter-clockwise.

Align the plate so that the #2 & #3 cylinder lights up precisely at the "F" mark. Then, adjust the pick up for #1 & #4 cylinder so that the light comes on precisely at the "F" mark. If one side is late and one side is early it may be necessary to adjust both pick ups. To adjust pickups, loosen the allen screws and carefully move them on the plate. **DO NOT REMOVE** pickups from plate. Do not force pickups if they are not moving easily. Please see the link below to a video explaining timing:

https://www.youtube.com/watch?v=54GLo_gi8hw

