

Installation & Timing Instructions for Electronic Ignition on 450/500 Twins



INSTALLATION

1. Begin by removing your existing points and condensers.
2. Install your new ignition by centering the unit in place of the points plate and lightly fastening it into place.
3. Install the rotor as pictured = the smaller hole (magnet) should face towards the side of the advancer that has numbers stamped in it.
4. Hook up all the wires for the ignition: Yellow into Left side coil, Blue into Right side coil.
5. Disconnect the Black lead from the Left coil where it plugs into the wiring harness.
6. Plug the Black power wire (coming from the Left coil) into the female "pig tail" coupler on the wire branching from the ignition (Black) wire.
7. Plug the male coupler of this same wire (coming from the ignition) into the female coupler coming from the wiring harness.

TIMING

1. With the power still off, connect a test light in series with the yellow wire for the left coil.
2. Ground the other side of the test light to the motor by clipping it to an unpainted surface.
3. Check to ensure that the magnet on the rotor is not facing either pick up before turning power on.
4. Turn the power on. Note: At this point, you will see a bright light come on. This is normal.
5. Rotate the rotor that's on the end of a crankshaft with a 14mm wrench to check the timing. Do NOT turn the 10mm bolt on the end of the camshaft to do this. The test light will remain bright until roughly 40 degrees before the magnet reaches the center of the trigger. At this point the light will go dim. When the light comes on bright again, check the position of your "LF" mark on the crank shaft rotor. This is the point at which you should set your timing. The light should come on at the "LF" mark. If adjustment is necessary, rotate the entire ignition plate to set the timing for the Left side pick up.
6. Check the timing for the Right pick-up using the same method. The test light now plugs into the Blue side, and the light should come on at the "F" mark. If adjustment is necessary, loosen the pick up with the provided allen wrench and carefully reposition it.
7. After your timing is set, carefully reinstall your points cover. If it does not seem to be fitting well, don't force it. Breaking the trigger cover will compromise the integrity of the unit and void any warranty.

VIDEO LINKS:

Timing the CP electronic ignition - general instructions / version 2.5: http://youtu.be/54GLo_gi8hw

The difference in timing your new 3.0 ignition: http://youtu.be/1hxdGzC_qG8

