

## ESC4500 Stator - Fitting

**Suzuki RM125 1989-93, RM250 1986-93 Honda CR125 1984-85, CR250 1984-85, CR500 1985-86 Yamaha YZ250 1985-87**

**Step 1** Take the ignition cover off. Are The Replacement Parts Similar? Compare the replacement part to the original. The replacement part can look different because of the winding technology used, but the mounting hole locations should match. Be sure to note the location of the OEM part on the baseplate and which wires are connecting to it.

**Step 2** Remove the flywheel using a proper puller tool. Remove the baseplate with the original stator. Disconnect the wires from the wiring loom.

**Step 3** Remove existing stator coil off the baseplate and cut the wires close to the coil. Replace it with the new unit and feed the new leads through the holes in the baseplate.

**Step 4** Screw the unit tight in position, as shown in the diagram, and make sure you use locking compound on the screws. **TIGHTEN THE SCREWS SECURELY!**

### CONNECTIONS

**Suzuki RM:** Connect the new BLACK lead to the original RED/WHITE wire. Connect the new BLUE lead to the original BLACK/RED wire.

**Honda CR:** Connect the new BLACK lead to the original WHITE wire. Connect the new BLUE lead to the original RED wire.

**Yamaha YZ:** Connect the new BLACK lead to the original BROWN wire. Connect the new BLUE lead to the original RED wire

**Step 5** Make sure the connections you make are good ones. Preferably you should crimp the wires using a high quality crimps. Otherwise use solder, but be aware that solder doesn't work very well on older wiring.

**Step 6** On all applications, ensure the wires **CANNOT TOUCH THE FLYWHEEL!**

**Troubleshooting:** Engine will not start: For OHMS testing, measure from the wires as listed below. The OMS reading in the factory service manual will most likely be different than what is listed for this part. This is due to the high performance winding technology. If you have further technical questions, please refer to your service manual.

**OHMS READING: 105  $\Omega$   $\pm$  10%**