

# ESL390 Ignition/Lighting Stator Fitting Instructions

## APPLICATIONS

Yamaha YZ125 2000-ON, YZ250 2000-ON

### Read these instructions completely

#### Step 1

Take the ignition cover off. **Are The Replacement Parts Similar?** Compare the replacement part to the original. The replacement part should match, including the mounting hole locations. If not: Double check the application listing with your bike.

#### Step 2

Remove the flywheel using a proper puller.

#### Step 3

Remove the baseplate with the original stator. Disconnect the wires from the wiring loom.

#### Step 4

Remove existing stator off the baseplate and cut the cables close to the stator.

#### Step 5

Replace it with the new unit and feed the new cables through the holes in the baseplate.

#### Step 6

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!**

#### Ignition Connections

Connect the new PINK cable to the original BLACK/RED wire. Connect the new BLUE cable to the original GREEN/BLUE wire. Connect the new WHITE cable to the original GREEN/WHITE wire. Connect the BLACK cable ring terminal under the baseplate (=ground connection for ignition and lighting)

#### Step 7

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

#### Lighting Connections

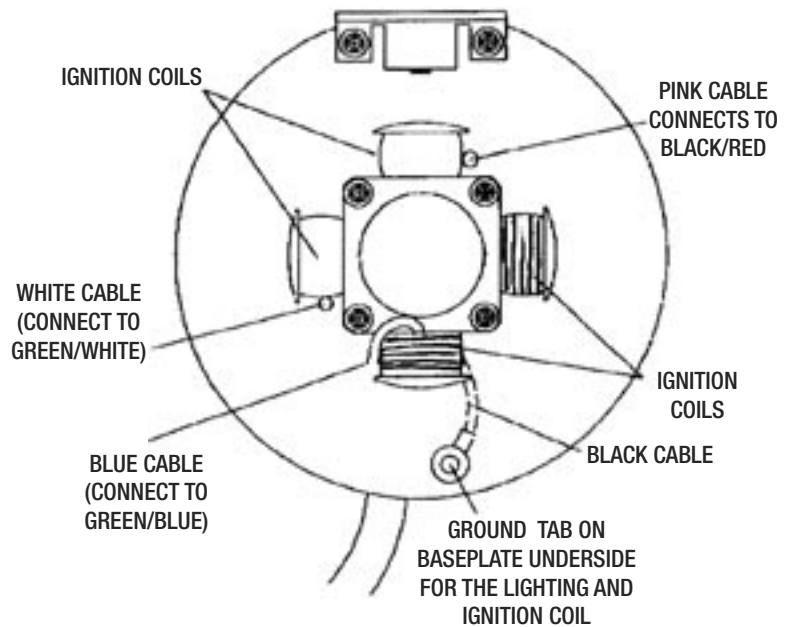
Connect Single YELLOW lighting output can be connected up straight to the lighting circuit. However it is better to use a 12V-AC regulator (ERG-200) parallel in the circuit. Take a look at our universal instructions for lighting coils for wiring details

#### Step 8

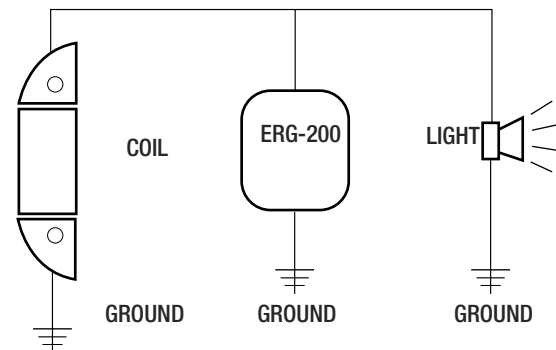
Ensure the wires **CANNOT TOUCH THE FLYWHEEL!**

#### Step 9

Refit the flywheel and tighten bolt to specified torque. Fit ignition cover.



#### ERG-200 Installation



#### Troubleshooting

**Engine will not start:** Remove the four screws mounting the stator and rotate the stator 90° (1/4 turn in either direction), then refasten the screws securely with loctite. **before calling technical support at ElectroSport,** perform a few basic tests: 1) Re-check the connections. Make sure you carefully solder the connections. Twisting wires together or taping wires will cause engine inoperability. 2) Check the engine for spark and 3) Is fresh fuel in the gas tank? If you still cannot get the engine to start, have all your testing information ready for a technician prior to calling.