

# ESC1054 Ignition Coil Fitting Instructions

## APPLICATIONS:

Yamaha YZ125 1987-89

### Important

You must be sure that the distance between the hole center is correct.  
 For 87-89 models (50mm, requires ESC1054)  
 For 90-91 models (49mm, requires ESC1151)  
 For 92-95 models (52mm, requires ESC1355)

### Ohms information on the C1054

The ESC10 is 450 Ohms ESC54 is 15 Ohms

### Read these instructions carefully

**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)** Take note of the wire colors of the original stator wires and disconnect them from the wiring loom. Then remove the flywheel using a proper puller tool. and remove the baseplate with the original stator.

**Step 3)** Remove the screws that secure the coils and carefully remove coils from the backing plate.

**Step 4)** Cut the original wires close to the original ignition coils. Take a good look at how the wires are connected to the coils. (at which side of the original coils and where each wire color goes)

**Step 5)** Mount the coils onto the baseplate, fit the screws using locking compound on the threads and **TIGHTEN THE SCREWS SECURELY!**

### Connections

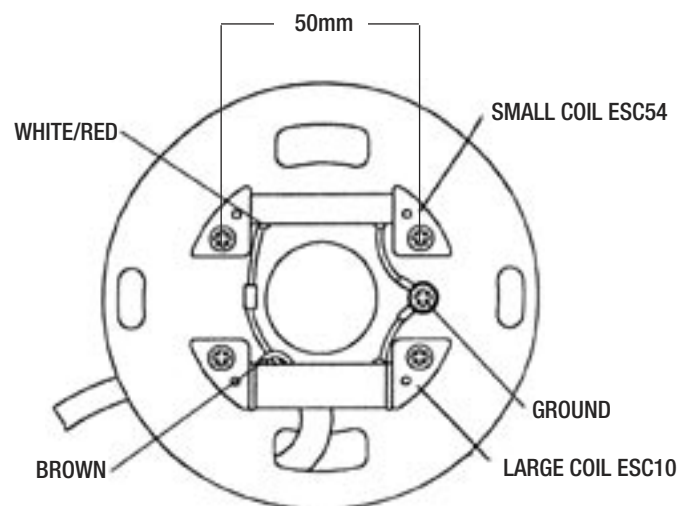
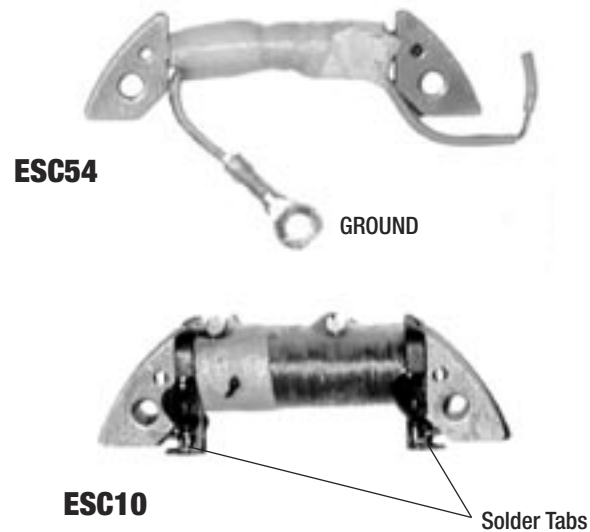
ESC10 LARGE coil connects to ground and to the original BROWN wire. ESC54 SMALL coil connects to ground and to the original WHITE/RED wire.

**Step 6)** Connect the old wires up to the new coils. Put the wires in exactly the same place as on the original. Make sure you have good connections here. Use a soldering iron and resin core solder (the type used in electrical applications). Insulate the wire connections with heat shrinking sleeve.

**Step 7)** Refit the stator baseplate. Ensure the wires **CANNOT TOUCH THE FLYWHEEL!** (especially on the inside of the flywheel)

**Step 9)** Refit the flywheel. Tighten the bolt to specified torque.

**Step 10)** Connect the wires to the wiring loom on the bike. Fit the ignition cover.



### Troubleshooting

**Engine will not start:** Sometimes the source coil wires are reversed. Swap the connections, resolder the wires and the engine should start. If the engine still does not start, and **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.