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# ESC1400 Ignition Coil Fitting Instructions

## APPLICATIONS

Yamaha YZ250 1990-95, WR250 1990-95

### Note

ESL220 Lighting coil can be added to this set-up

### 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

Take note of the wire colors of the original stator wires and disconnect them from the wiring loom.

#### Step 3

Remove the flywheel using a proper puller tool.

#### Step 4

Remove the baseplate with the original stator.

#### Step 5

Remove the screws that secure the ignition coil and take the coil off.

### Note

The original two coil setup is being replaced by a single ESC1400 coil. The second coil is not needed! So you will end up with an extra BROWN wire that is not connected up.

#### Step 6

Cut the original BLACK/RED wire close to the original coil.

#### Step 7

Connect the BLACK/RED wire up to the soldering tag on the new coil. The new ESC1400 coil has got a short ground lead to go fit on the base plate. Use a soldering iron and resin core solder (the type used in electrical applications).

#### Step 8

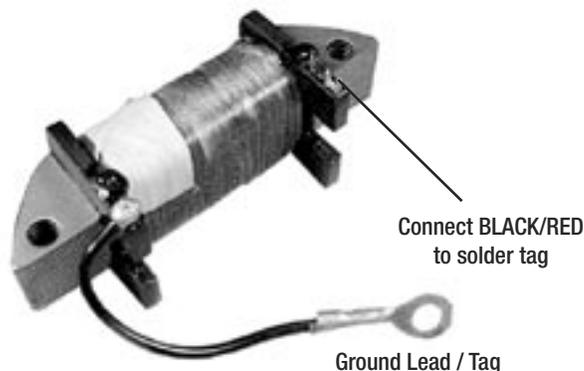
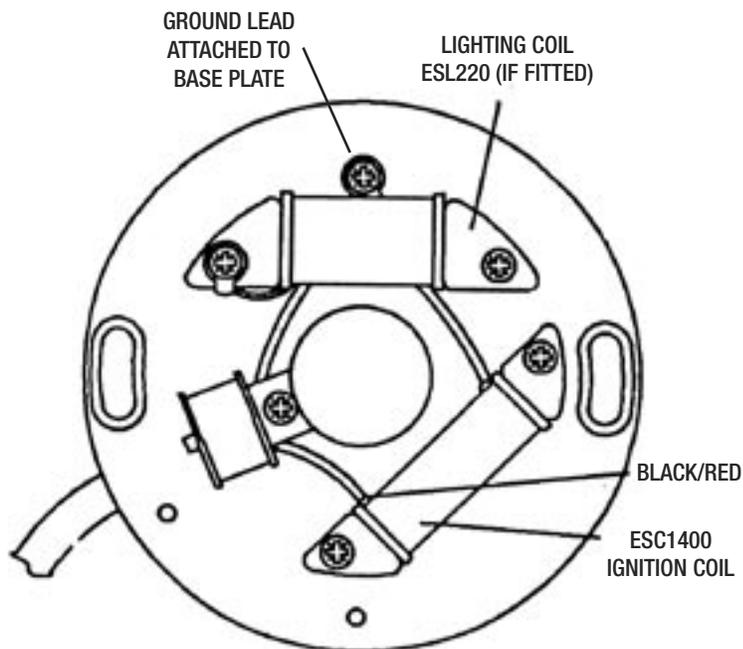
Mount the coil onto the baseplate, fit the screws using locking compound on the threads and **TIGHTEN THE SCREWS SECURELY!**

#### Step 9

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

#### Step 10

Refit the flywheel. Tighten the bolt to specified torque. 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.