

L38 Lighting/Ignition Coil

Yamaha YZ125 96 on, YZ250 96-98
YZ400F 91-99, YZ426F 2000

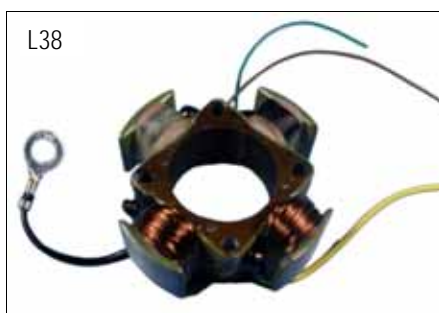
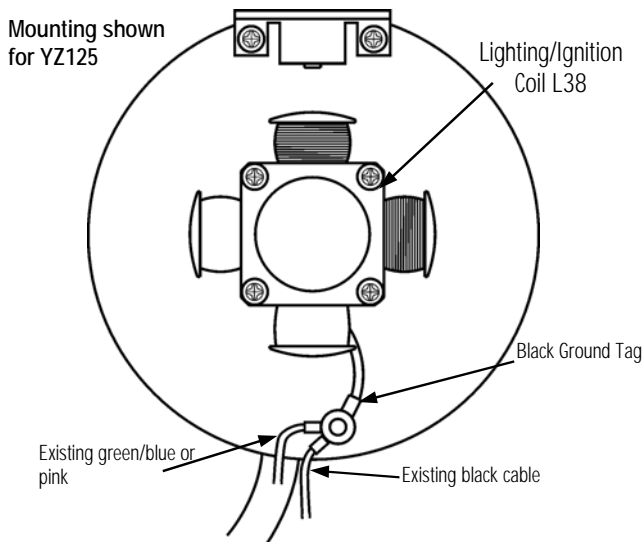
FITTING INSTRUCTIONS

NOTE

This unit acts as a combined ignition and lighting stator coil.

READ THESE INSTRUCTIONS CAREFULLY

- Step 1** Take the ignition cover off. Check the new parts are similar to the old ones and that they 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 tool and remove the base-plate with the original coil.
- Step 3** Cut the original cables close to the original coil. Make a note of the connections on the original coil.



- Step 4** Mount the new lighting/ignition coil onto the base plate, make sure you attach the ground tag to the stator backing plate for the lighting coil circuit. You must use locking compound on the threads. Tighten the screws securely!
- Step 5** Connect the old cables to the new stator (see connection details), making sure you have good connections here. Crimp or solder connections as appropriate. When crimping the connections use high quality crimps. If soldering use a resin core solder (the type used in electrical applications) but be aware that solder doesn't always work very well on older cables. If appropriate insulate the cable connections with a heat shrinking sleeve.
- Step 6** Refit the stator base-plate. Ensure the cables **cannot touch the flywheel** (especially on the inside of the flywheel).
- Step 7** Refit the flywheel. Tighten the bolt to specified torque.
- Step 8** Connect the cables to the wiring loom on the bike.
- Step 9** Fit the ignition cover.

CONNECTIONS

Existing cabling on YZ125 & YZ250	Existing cabling on YZ400F & YZ4126F	On L38 connect to
BLACK/RED	BROWN	BROWN
GREEN/WHITE	GREEN	GREEN
GREEN/BLUE	PINK	EARTH/PLATE - GROUND
BLACK	BLACK	EARTH/PLATE - GROUND
HEADLIGHT	HEADLIGHT	YELLOW*

IMPORTANT - Make sure the GREEN/BLUE or PINK cable from the existing CDI unit is connected to the backing plate. These cables were previously connected to the original coil.

*Lighting connection - the single YELLOW lighting output can be connected up straight to the lighting circuit. However it is best to use a 12V-AC regulator (RG12) parallel in circuit (see below).

To prevent bulbs blowing we recommend you fit a regulator (RG12) to your bike. Ring 01491 682369 to order one now.

TROUBLESHOOTING

Engine will not start: Mounting position on the plate is important, this varies for the different models. Try moving the stator 90° in either direction.

No lights? Check earth continuity with the engine. If necessary add an extra earth cable between the engine and the frame.

If the lighting still does not work: Re-check the connections. Making sure they were carefully crimped or soldered.

Note: With AC lighting systems the output varies with the engine speed, don't expect bright lights at tick over speed.

RG12 INSTALLATION

