

ESG440 XR400 - XR650

Stator Fitting Instructions

Please read carefully before fitting your new stator to your bike.

Remove existing parts

Remove your existing side case cover containing the existing stator and place case on a clean work surface.

Unscrew the stock stator and pick-up coil from the case. Pull grommet and wiring free and clear from case. Retain all mounting screws and brackets for installing new stator.

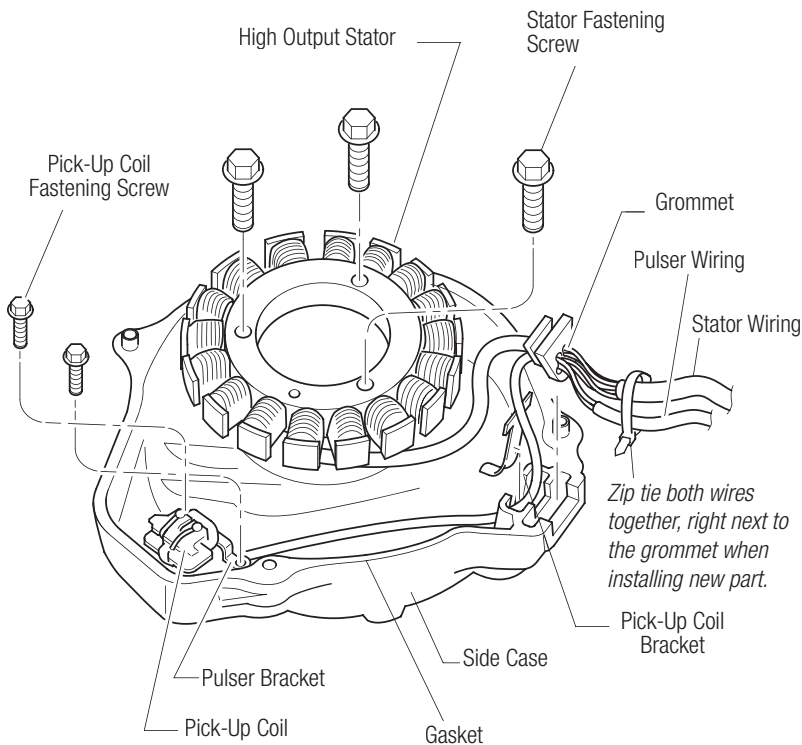
Wire Connections - Direct Plug-in

Stator	Bike
GREEN	Connects to GREEN
PINK	Connects to WHITE/YELLOW
PULSER	Standard Connector
BROWN	Connects to BROWN
BLACK/RED	Connects to BLACK/RED
WHITE	100W High Output (See Page 2)
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Installing your new stator

Place the new stator and pick-up coil into position in the case and fasten with existing brackets and screws. Be sure to use a locking compound on the threads of all mounting screws.

Insert the grommet into position on the side case, and ensure the slide-in bracket is in position. Then install a new gasket onto the side case and install the side case to the engine using existing screws. Torque screws as specified in your service manual.



Note: This illustration is a visual representation only. It is not intended to be an exact duplicate of your specific year and model. Please see your service manual for detailed information about your bike including torque specification on all fasteners.

Troubleshooting

Engine Will Not Start

If the engine still does not start, and **before** calling technical support at ElectroSport, preform a few basic tests: Re-check the connections. Twisting wires together or taping wires will cause engine inoperability. Check the engine for spark and make sure you have fuel in the tank.

IMPORTANT: If the bike still will not rev or start, reverse the BROWN and BLACK/RED. With the amount of XR's in the field, sometimes the polarity is reversed in the wiring.

If you still cannot get the engine to start, have all your testing information ready for a technician prior to calling. Also, be sure to check www.electrosport.com for the latest technical information regarding your bike.

ESG440 High Power Lighting Stator Wiring Configuration

APPLICATIONS

Honda XR400 all models, XR650R 2000-ON

STOCK WIRING CONFIGURATION

DIAGRAM 1 - XR400, DIAGRAM 2 - XR650

The ESG440 replaces the original unit and provides up to 2x100 Watts of lighting. This stator wiring configuration can be used with one 100W headlight, and single taillight.

Connect the original BLACK/RED and BROWN ignition wires. Connect the BLACK wire from the stator to the original BLACK/RED wire. Connect the BROWN wire to the original BROWN wire. Disconnect the original regulator. Take it off the bike, you won't need it anymore.

To get maximum lighting output, you will need to use a second headlight and hook up the extra 100W output white wire from the new stator. *Please see instructions listed below.*

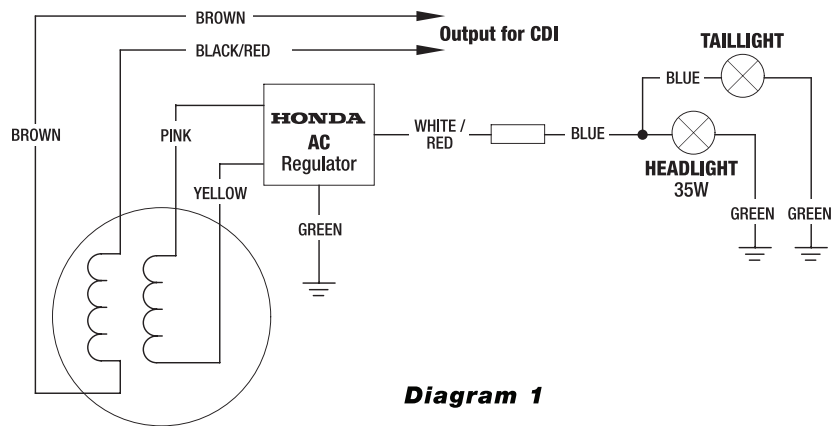


Diagram 1

HIGH POWER LIGHTING CONFIGURATION

DIAGRAM 3 - The new ESG440 stator has not one, but TWO lighting outputs (The WHITE wires). Each white wire can provide up to 100W of lighting. If you need extra lighting, you need to mount a second headlight on the bike, and feed the second white wire to that headlight. *To prevent the headlight bulb from blowing out, you will also need to install a second ERG200 AC regulator.*

Feed each white lead to one headlight, and wire an ERG120 AC regulator in parallel to ground. On the Honda the ground is the GREEN wire. You can leave the ORANGE and YELLOW wires unconnected. Make sure that the ends are capped off. If you only need one lighting output, cap the other WHITE lead off as well! ***If you need a lighting switch for the lights, connect it within the white stator wire BEFORE the regulator.***

Make sure all connections you make are good ones. Use high quality crimps or solder the connections.

Again: the GREEN wire you find in the wiring loom is the ground. Make sure that you ground the lights properly to this GREEN wire. The regulators need to be mounted somewhere on the frame, preferably on a flat metal surface, this for better cooling.

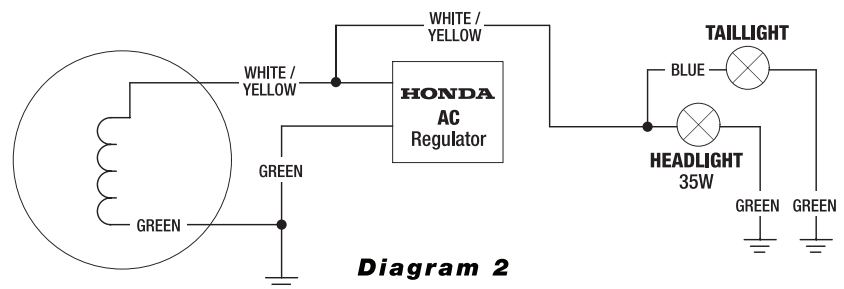


Diagram 2

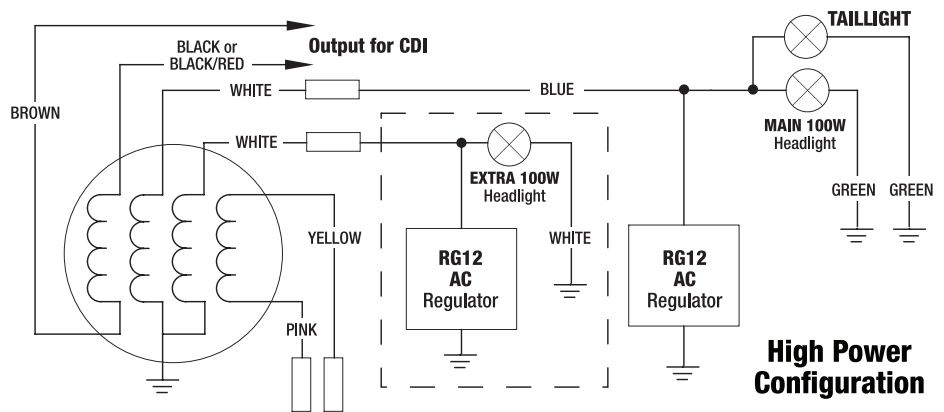


Diagram 3

High Power Configuration