

Banshee Stator Conversion Instructions

(Floating the ground)

Overview:

The following procedure is intended to convert AC (Alternating Current) electrical system to DC (Direct Current). A qualified technician should perform this process. These instructions and illustrations are based on a 2002 Banshee stator.

Tools Required (in addition to standard hand tools):

- Flywheel puller
- Soldering Iron
- Heat Gun
- Wire cutters
- Wire strippers

Preferred Tools (in addition to standard hand tools):

- Crimping Kit (Trail Tech P/N HT230C)

Step #1

- Remove the stator cover, shifter, gas tank, seat & Front plastic to expose the connections to the stator wiring.
- Disconnect stator wires at connectors and any fasteners holding the wiring to the frame.

Step #2

- Remove the flywheel using the appropriate puller.
- The stators rotational location is critical to the engines performance – note the stators location and mark it if necessary if an adjustable stator plate in being used..

Step #3

- Locate the stator Ground wire (see Fig. 1). **Carefully** remove the epoxy around this connection.
- Heat solder and remove this wire from the ground lug. (see Fig. 2)
- Straiten this wire and trim if necessary. (see Fig. 2)
- Solder a new piece of wire long enough to route through the existing sleeve along with the stock wires.
- Cover the solder joint w 30mm of 1/8" shrink tube to ensure that it will not contact the ground lug (see Fig. 2)

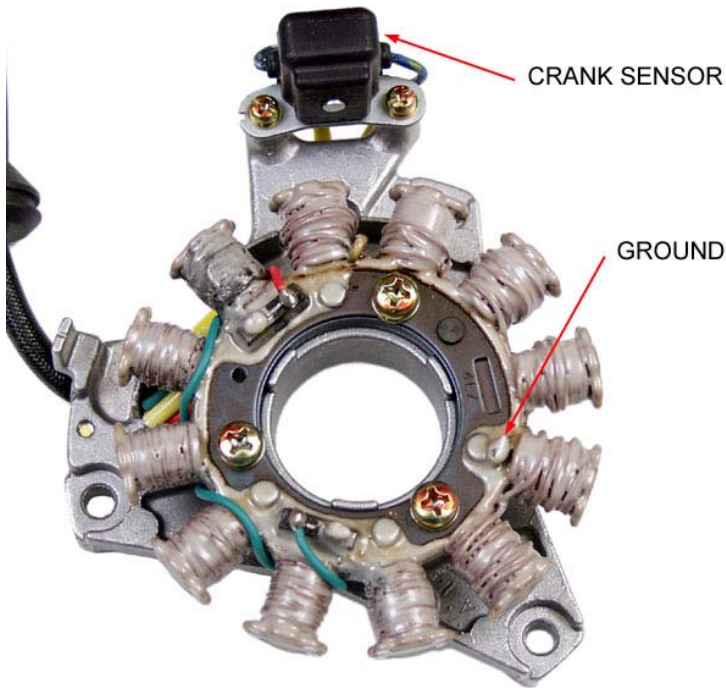


Figure 1.

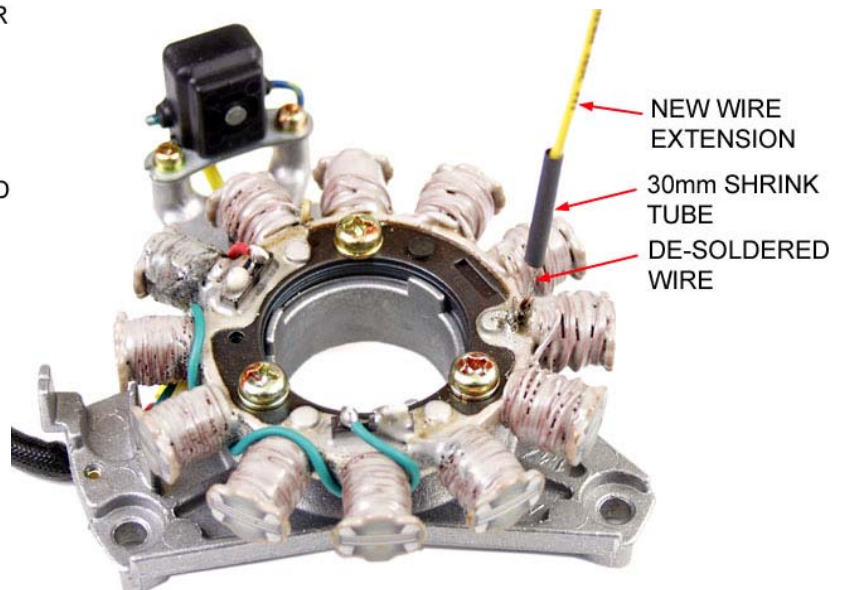


Figure 2.

Step #4

Route the new wire extension over and around stator poles to group with the other stator wires. (See Fig 3).

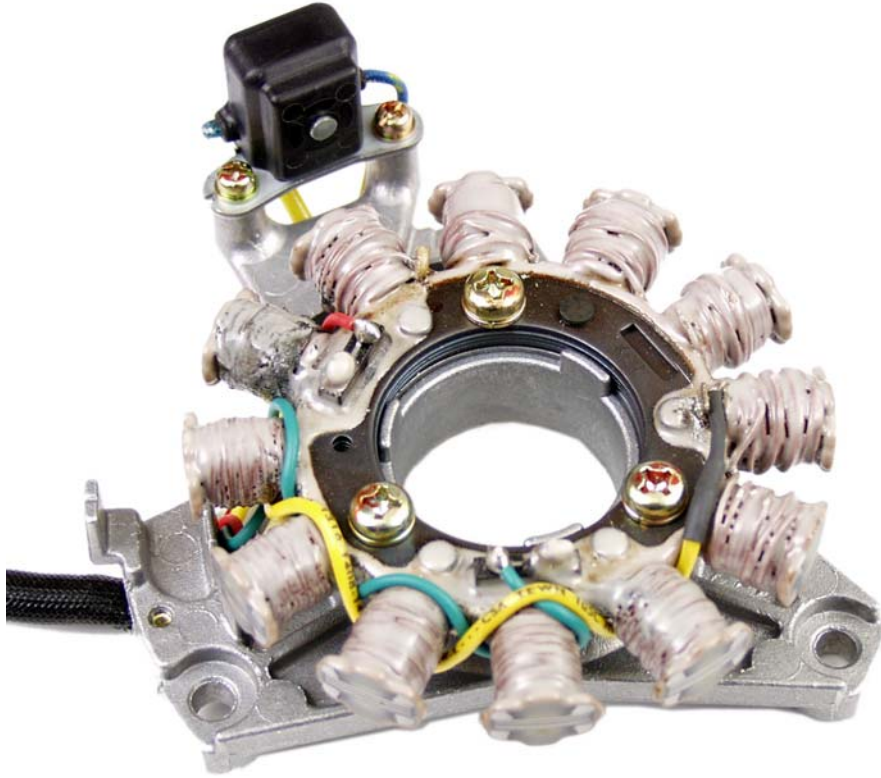


Figure 3.