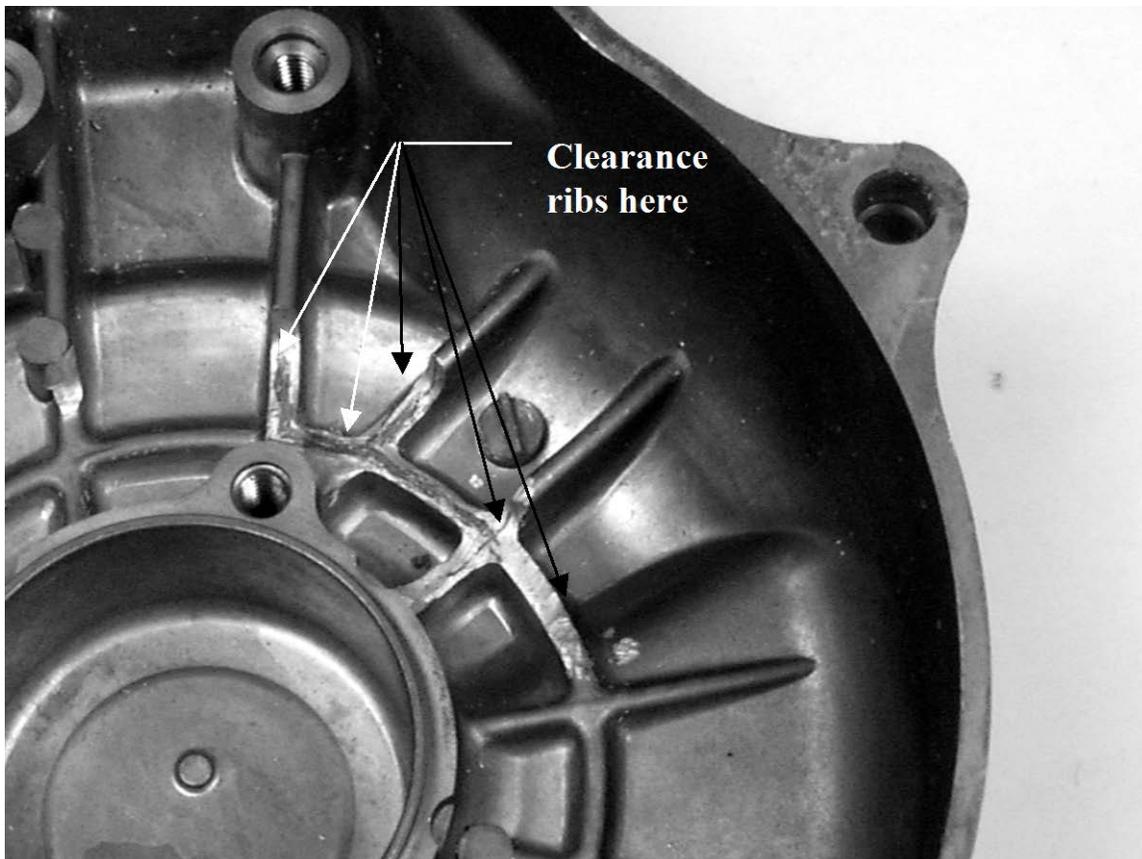




## XR 650R High Output Double Wound Stator

Your stator has been wound with two separate outputs to run your lighting systems. It features two separate outputs capable of 125 watts at 4000 rpm. Both outputs are floating to allow you to use it with a single phase rectifier/regulator. Following are instructions for installing the stator and connecting it to your electrical system.

A. The XR650R's stator cover must be modified to clear the additional bulk of wires from rewinding. Using a Dremel, grind back the ribs shown to provide clearance for the wires. Make sure to round the edges and check fit before mounting the stator. Please note that the wires install towards the side case.



- B. Reinstall the rewound stator on the motorcycle. Run the wires back up the frame to the stock location.
- C. Connect the stock stator leads to their corresponding mates from the stock wiring harness.
- D. The remaining two white leads from the stator are the secondary lighting coil output. Connect these two outputs directly to a DC rectifier/regulator or another AC regulator if not running a system with a battery. Use the



power from this output to run an additional headlight, taillight, turn signal, horn, heated grips, electric vest or helmet light.

The advantage of the two separate outputs is that it gives you high power without having to go to a three phase system or a custom voltage regulator. It also gives you redundant systems in case one should fail. Both outputs are interchangeable.

If you purchased an additional AC voltage regulator, wire as shown below. The AC voltage regulator is a shunt type regulator, which diverts excess current to ground to maintain the voltage at 12 volts. Connect the brown lead to ground and the yellow lead to any hot lead in the wiring harness in this circuit. See schematic below.

