

Single phase replacement for Lucas rectifier and zener diode.

- 1. Disconnect the ground wire from your battery. Observe if your system is positive or negative ground.
- 2. Locate and remove the zener diode. You will no longer need it. (Hint: it's usually gold colored)
- 3. Locate and remove the old rectifier. You will no longer need it either. (Hint: it's black and has three fins)
- 4. There should be three wires connected to the old rectifier. The Green/White and Green/Yellow go to the alternator stator. The "hot" wire is usually Brown/White. This goes to the hot side of the battery.
- 5. Mount the power module in an area with free air circulation (i.e, do not mount inside enclosed box, etc.). Note- The PODtronics case is electrically isolated and does not have to be grounded.
- 6. Connect the Green/White wire to one of the two Yellow wires and the Green/Yellow to the other Yellow wire coming out of the PODtronics power module.
- 7. If your system is positive earth, connect the PODtronics Red Black wire to the battries negative terminal.
- 8. If your system is negative earth, connect the PODtronics Black wire to ground and the Red wire to the batteries positive terminal.

(Note- Be sure you have the polarity correct, otherwise you can damage the regulator)

9. Now that you are sure everything is connected correctly, re-connect the ground wire to battery.

6 volt to 12 volt single phase conversion

If you have an early bike with 6 volt, three wire alternator, this can be converted to 12 volts.