LUCAS UNIVERSAL MOSFET REGULATOR/RECTIFIER

Lucas Reference: MUR25A

The Lucas 12 volt universal Mosfet regulator is suitable for use with both single phase Lucas 10A and 16A stators and Lucas three phase stators 10A and 14.5A. It can also be used with similar three phase permanent magnet alternators with a maximum output of 25A

The benefits are cooler running than SCR type rectifiers, achieved by using better electronic components which allow both the rectifier and the stator to operate at lower temperatures. Mosfet technology also provides more accurate voltage regulation with a maximum charge rate of 14.5 volts

1. Disconnect the battery from your machine and only re-connect when the wiring is completed and tested

2. Disconnect the existing rectifier and Zener diode. Remove them from the bike and isolate any wires no longer used

3. Find a suitable place to mount the Mosfet unit. We recommend a position close to the battery and in a good air flow to aid cooling. The finned housing does not require grounding

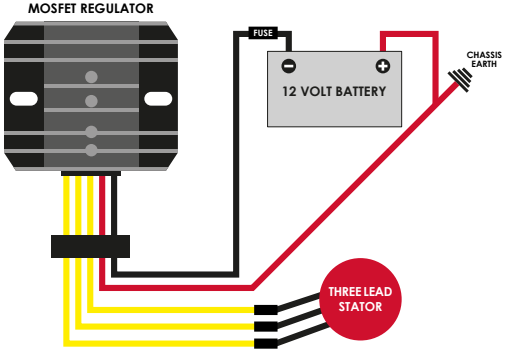
4. Check the polarity of your machines electrical system and follow the appropriate wiring diagram for installation (see reverse)

5. Check that all connections and the polarity is correct before re-connecting the battery

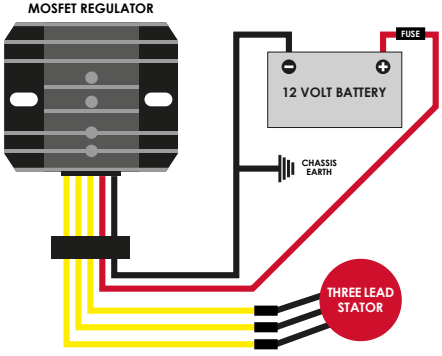
   Please note: regulator **RED** is always positive and **BLACK** is always negative. **Incorrect installation will damage the regulator**
   If in doubt it may be advisable to consult a qualified auto electrician

6. Test to ensure the battery is in good condition and load test if in any doubt. With the engine running, measure the battery voltage with a volt meter. As the RPM increases, the voltage should rise to 14.5 volts maximum. If the voltage fails to increase, first check the stator connections. It may then be necessary to test the stator output with an AC volt meter, or consult a qualified auto electrician

POSITIVE EARTH INSTALLATION



NEGATIVE EARTH INSTALLATION



TWO LEAD STATOR INSTALLATION