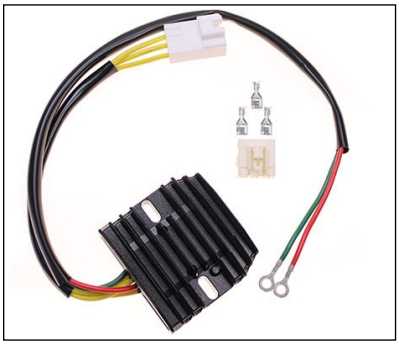
Hi-power Series Regulator Rectifier

FITTING INSTRUCTIONS

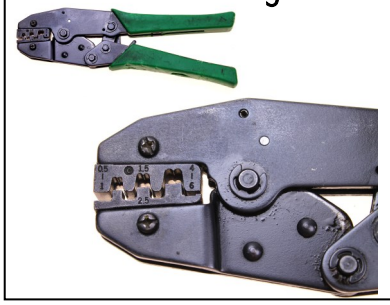


Fitment must be only carried out by trained technicians or competent persons.

Super efficient 'MOSFET' regulator rectifier. Direct fused connection to the battery to avoid common connection faults in the wiring loom, caused by salt, water and atmospheric pollution etc.

Supplied fitted with a heavy duty connector for the alternator input, this is a direct fitment for many Honda models but for others the opposite connector and terminals supplied must be carefully fitted.

Example of Crimping tool required for uninsulated terminal connecting



Fitting the replacement terminals and connector block to the alternator output

Step 1 Remove the original connector block from the alternator harness by cutting off the 3 cables as shown in **Figure 1**.

Step 2 Strip the insulation off the cable ends at a distance of about 6mm. Inspect stripped cables carefully, they must be bright and clean, if not use fine emery paper to clean the wire.

Step 3 Crimp on terminals as shown in **Figure 2**. It is recommended to also solder the connector but this can sometimes be tricky if the copper wire is not clean.

Step 4 Unclip the sliding locking tab on the connector with a small screwdriver as shown in **Figure 3**, only lift it out about 2mm.

Step 5 Insert terminals as shown in **Figure 4**. **Note:** they only go in one way round, if they cannot be inserted try moving the locking tab in or out.

Step 6 Fit the new regulator/rectifier to the bike. Connect the red cable with the ring terminal to the positive terminal on the battery and either the green or black cables (depending on the model) to the negative terminal. Plug in the white connector to the alternator.


Fig. 1

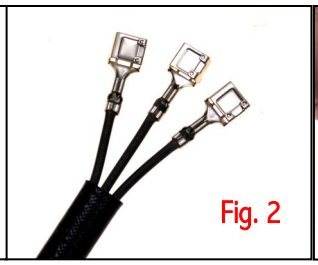


Fig. 2

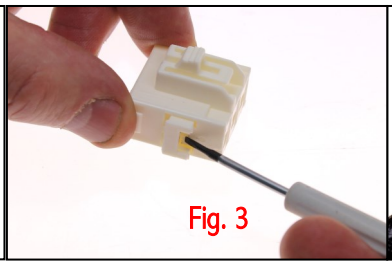


Fig. 3

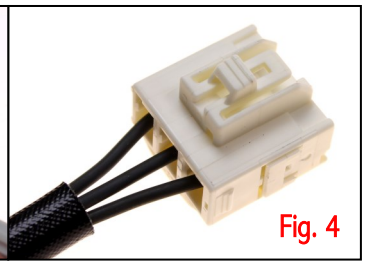


Fig. 4

Testing

With the engine running at approx. 4000rpm measure the battery voltage, you should expect between 13.8 and 14.5volts depending on battery state of charge and load.

Check out our new YouTube Channel for advice on connecting opposite blocks correctly and other troubleshooting advice.

https://www.youtube.com/channel/UCA7djiH0ir1mzl8DWyZ8dEA