PART NUMBER WW10221N
6 volt negative earth DC regulator

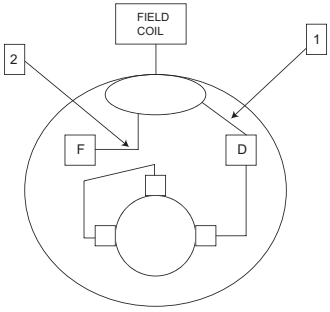
Important - please read these instructions carefully prior to fitting. This unit will be damaged if connected with reverse polarity. Before connection please check your chassis earth polarity and make sure you have the correct regulator for your earth polarity.

Please note the wiring instructions also require a 15 Amp fuse to be connected in the red wire. The regulator will cause this fuse to blow if the battery is connected backwards. If the fuse blows, re-check that the wiring and battery polarity are correct. Running the regulator with reverse polarity, even for a short duration, will damage it beyond repair. If in doubt contact an expert for advice.

1 Disconnect the field coil wire marked 1 from F and connect it to the D terminal

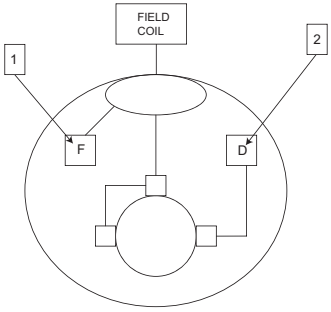
2 Disconnect field wire marked 2 from earth screw and connect it to F terminal

Old configuration for
mechanical regulator



1 move this field wire to D terminal
2 move this field wire to F terminal

Revised configuration for
negative earth solid state unit



Field wires must be connected as above drawing

Testing and polarizing the dynamo (diagram 1)

1. Remove the dynamo from the motorcycle
2. Connect a temporary jumper from the F terminal to dynamo earth
3. Connect a wire from negative terminal of the battery to dynamo chassis
4. Connect a wire from positive battery terminal and touch it on to the D terminal
5. The dynamo should motor in the correct drive direction (see arrow on case)
6. This will determine if the the field coil wires are connected correctly , if the armature does not rotate in the direction of drive reverse the field wires and try again
7. When you have completed the test and are confident the polarity and rotation is correct, connect to the regulator as per diagram 2

Diagram 1 testing and polarizing

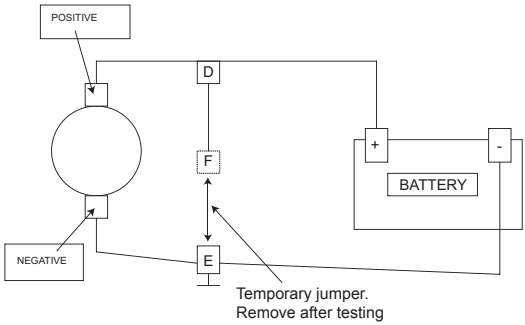
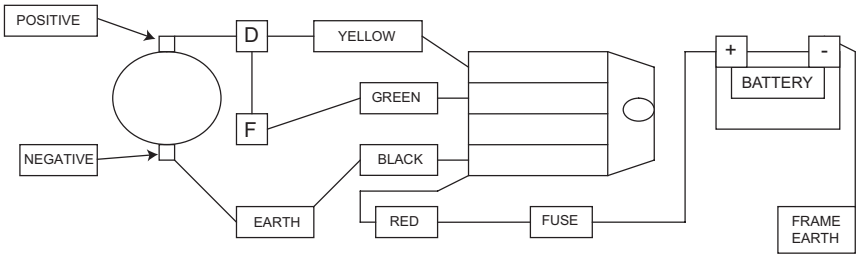


Diagram 2 negative earth wiring



TROUBLE SHOOTING - DYNAMO HAS STOPPED CHARGING

WHEN DYNAMOS ARE LEFT STANDING FOR EXTENDED PERIODS THEY CAN LOOSE RESIDUAL MAGNETISM. TO RE NEW THIS FIELD MAGNETISM:

1. Disconnect the regulator unit
2. Connect a temporary lead between dynamo F terminal and ground
3. Connect the positive battery lead and touch to dynamo terminal D for a second
4. Re-connect your regulator. This should be sufficient to get your dynamo charging again