FITTING INSTRUCTIONS FOR THE K-TEC "12VT" ELECTRONIC REGULATOR

Introduction :

The K-Tec 12VT is a solid state voltage regulator which enables a motorcycle equipped with a standard Lucas 6 volt dynamo to be converted to a 12 volt charging system. You must also change the battery and all the light bulbs etc from 6 volt to equivalent 12 volt items. The regulator must not be used without a battery, as this may damage it.

Step 1 : Ensure that you have the correct version of the K-Tec 12VT regulator depending on whether your motorcycle is negative earth or positive earth.

Step 2 : Disconect the battery, remove the earth connection first.

Step 3 : Remove the dynamo control box from the motorcycle by releasing the two fixing nuts from either end, unscrewing the connector plate and unplugging the wires from underneath.

Step 4 : Remove the top cover from the control box and take out the two relay units by unscrewing them from the base unit and cutting the wires. Also remove the wire wound resistor from underneath the base unit.

Step 5 : Fix the K-Tec regulator down to the base unit using the bolt protruding from the bottom, and the existing hole in the base unit. On some versions you may have to drill a new hole.

Step 6 : Solder the wires coming out of the top of the K-Tec regulator to the solder tags on the top-front of the base unit. The colour code is listed in the table below.

Step 7 : Refit the control box to the motorcycle. Check that you have replaced all the bulbs etc as detailed in the introduction, then Connect the new 12 volt battery, fitting the earth connection last

Negative earth	Positive earth	Solder tag	Definition
Green	Blue	F	Dynamo field
Red	Black	A	Battery live
Yellow	Yellow	D	Dynamo output
Black	Red	E	Earth (frame)

NOTE : THE MOUNTING STUD HAS NO INTERNAL CONNECTION AND NEED NOT BE EARTHED.