



Classic British Bike Electrics
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Magneto key switch

This is a traditional key type ignition switch and is supplied for use on a Magneto ignition bike. It allows the ‘killing’ of the magneto, and the switching OFF of the main battery circuit so leaving the bike safe from leaving lights on, having lights switched on ‘by little kids!’ or having the stop lights stuck on draining the battery. There is also the increased use of the Alton and its own regulator, which requires that the battery be switched away from their regulator when machine is left. (Failure to reconnect regulator on using machine damages Alton!!!)

Fitting Instructions

There are two circuits within the Ignition switch.

The BRN/BLU wires break the battery circuit when the ignition is OFF.

The BLK wires give an additional short to the magneto kill circuit to earth the magneto when the ignition is OFF.

| Source | | Wire |
|---------|---|---------|
| Battery | * | BRN/BLU |
| Ammeter | * | BRN/BLU |
| Magneto | # | BLK |
| Earth | # | BLK |

* Bear in mind that this new circuit breaks the original Battery to Ammeter circuit.

This circuit is in addition to the original magneto kill circuit. IE your handle bar kill switch remains exactly the same.

Removal; Should you for any reason wish to remove the switch (from bike or circuit) then connections need to be-
 BRN/BLU- both wires need to be joined to use the battery.
 BLK/BLK-both wires need to be left disconnected-made safe to allow magneto to work.

It is also worth noting that this switch leaves the machine safe-no battery/lights/horn/engine. IF the key is left ON when machine is not in use the machine is just as it was before having the switch fitted i.e. every thing works, but there is no ignition drain, as you would have had with a traditional ignition switch on a coil ignition machine.

WARNING

TAKE CARE when connecting this switch up, mis-connections can cause SMOKE!

Purchase: If you would like to buy one of these I can offer them with 'bespoke' wires and connectors.

Decide where you are going to fit it (it needs a D shape 19mm hole and it is about 50mm long). Then measure the wire lengths, the two battery wires (to the battery area or perhaps Ammeter) will be the same length and will probably have bullet connectors on the ends and be in BRN/BLU. The Magneto wires will be one to the 'kill' connector on the back of the magneto and the other to a nearby earth, different lengths and suggest in BLK. The earth terminal might be an 8mm ring terminal while the magneto connector might be 4mm ring terminal. You decide and let me know with the order please. (No extra cost)