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## Item number 333-131/A Hi-Output Alternator Kit, solid state, replacement

This kit consists of a 220 Watt 3 Phase stator, a high output magnetic rotor with markings suitable for British singles, twins, and triples, and a 12V regulator/rectifier powerbox, to replace the stock LUCAS charging system completely while offering much higher output at all engine speeds. This should ensure a well charged battery and allow installation of brighter lights and usage of accessories such as heated clothing, etc. and will work on any alternator equipped British bike where space allows.

A few points regarding installations are:

- a) Ensure stator and rotor are installed as per the factory manual, and that there is sufficient clearance between the two. Check with a feeler gauge, rotating the crank slightly and checking in a number of different positions, then rotating crank and checking again. If there is any rotating contact under any conditions, your alternator can be badly damaged.
- b) You should replace the stator wire grommet(s) and cover gasket(s) with new ones to avoid oil leakage. Consult the specific factory partsbook for the correct items for the bike.
- c) The stator has 3 wires, and is supplied with original type bullet connectors fitted. To hook the stator wires to the powerbox yellow wires, 3) 391-900269 bullets and 3) 391-200988 female connectors can be ordered. The colour code does not matter on these 3 wires.
- d) The electrical system can be set up for either positive or negative ground by hooking either the red (positive) or black (negative) wire to the frame of the bike, through a fuse holder, available complete as part 391-54938986. Make sure the battery and rest of the bike's electrics are set up to match. If a stock bike is being upgraded, other than 1979 and later Triumph twins, all alternator equipped British bikes were positive ground originally, and retaining this can help prevent confusion.
- e) Please Note: When using SPARX regulator rectifiers you must use resisted spark plugs as circuitry is sensitive. Using unresisted plugs can cause over charging.

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# SPARX 3 PHASE POWER BOX

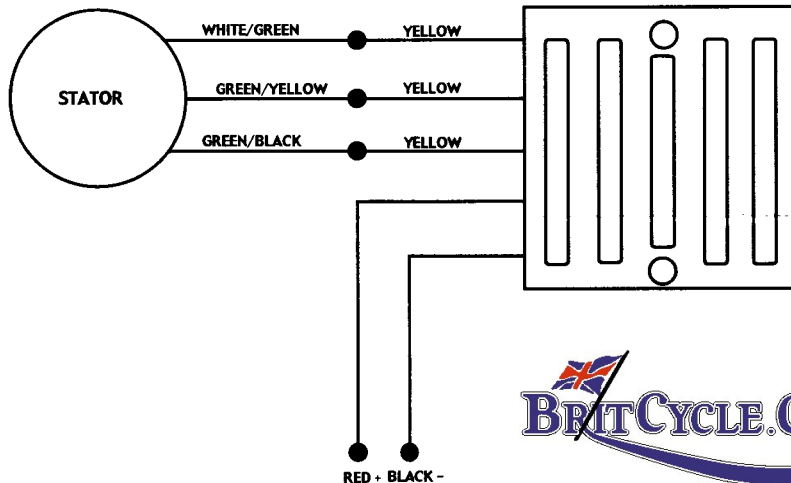
SIMPLY CONNECT THE **3** OUTPUT WIRES FROM THE **3** PHASE STATOR TO THE **3** YELLOW AC WIRES OF YOUR **SPARX** BOX. THE RED+ AND THE BLACK- THEN CONNECT INTO YOUR MOTORCYCLE WIRING

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