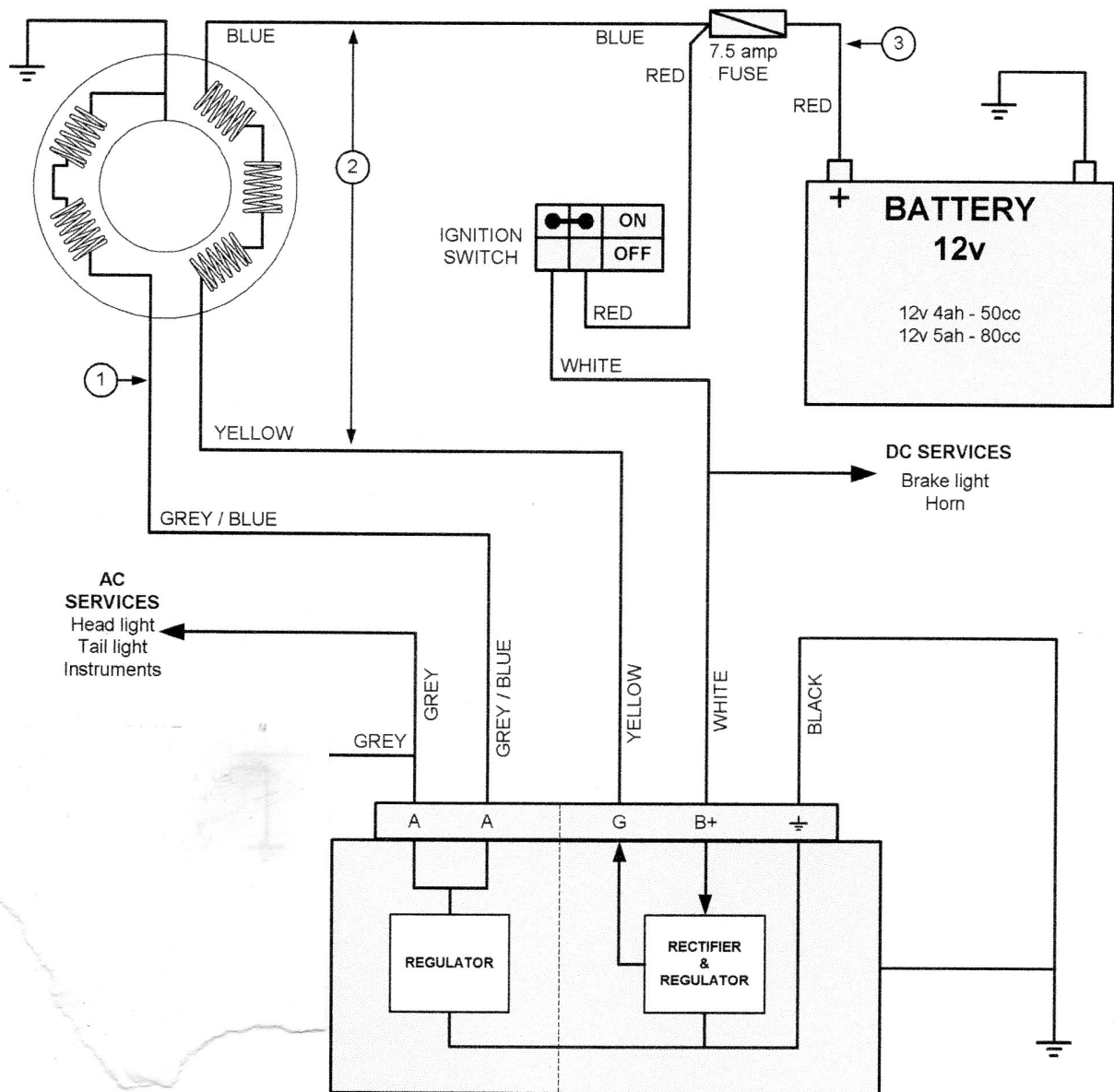


50 / 80cc 2T Charging (early vehicles)

Piaggio Ltd.

30/09/2005

5 pin regulator



* This diagram shows the early 50cc and 80cc two stroke wiring using a five pin connector on the rectifier / regulator. Refer to the separate diagram for later circuit using an eight pin rectifier / regulator.

* RECOGNISE THIS CIRCUIT: If the oil warning light comes on when the starter button is pressed.

* Two completely separate circuits for AC & DC.

AC is full wave and regulated

DC is half wave rectified and regulated

* If voltage at the **B+** terminal falls below 8v (approx) the DC rectifier / regulator will not function so there will be no output from the alternator on the DC circuit.

* Separate indicator relay.

* The choke is supplied with 12v AC when the engine is running .

TESTS.

1. Grey / Blue to earth = 25-30v AC stator un-plugged and engine at 2000rpm.

2. Yellow to Blue = 26-30v AC stator and battery disconnected and engine at 2000 rpm.

3. Ammeter between red wire and battery positive = 1.5-2 amp with fully charged battery and engine at 2000 rpm

NOTES.

Engine must be earthed to the chassis / battery. Lack of this connection will affect the AC circuit and starter motor but not the DC circuit or ignition circuit.