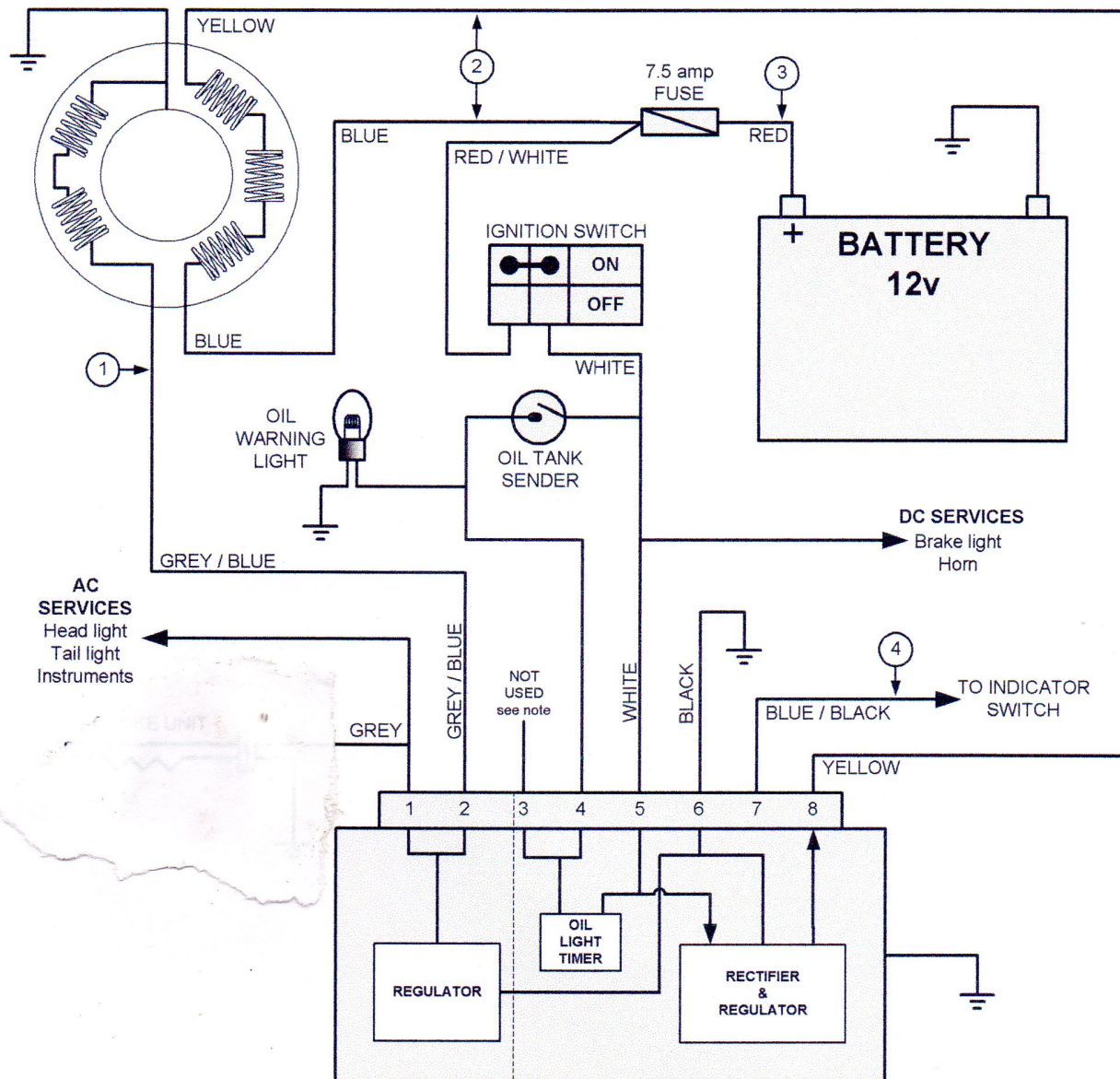


# 50 / 80cc 2T charging

Piaggio Ltd.

30/12/2005

8 pin regulator



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

\* RECOGNISE THIS CIRCUIT: If the oil warning light comes on for 15 seconds when ignition is turned on.

\* Two completely separate circuits for AC & DC.

\* Eight pin rectifier / regulator incorporates the indicator relay and oil light check function.

\* 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

4. Output to the indicator switch will be a 12v DC pulse with ignition on.

## 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.

\* Rectifier regulator pin 3 & 4 are both out puts from the timer so the wire could be connected to either pin.