

## LOCATION OF FAULTS (Cont.)



### BATTERY.

#### Totally or partially discharged.

See "BATTERY" section in Lucas instruction booklet. If ammeter shows charge with engine running, battery may have become discharged due to the ignition switch being left at "IGN" overnight. If the engine stops the ignition must be switched off otherwise there will be a continual discharge from the battery. Discharge can also occur due to a wiring short or because the battery is defective and requires replacing or if the rate of charge is low due to using the machine continually at very low speeds.

If the motor cycle, fitted with series B equipment, is only used for intown travelling at low speeds a higher rate of charging may be desirable during winter months.

#### To obtain this:—

Disconnect alternator red lead at the snap connector under the saddle and join it to the green lead from the alternator to the headlamp. This will give a higher charging rate in the "off" position of the lighting switch. Use a double snap connector (850641) for this so that green from headlamp and red and green from alternator are all connected together. This is by far the simplest method of connection and makes it easy to change to the lower rate for summer travel when higher road speeds are normal.

**Warning.** If battery is connected the wrong way round, current will flow through the rectifier and demagnetize the rotor.

### LIGHTS.

#### 1. One bulb fails to light.

Check wiring and connections and replace bulb.

#### 2. All bulbs fail to light—engine not running.

Battery may be discharged. Check battery connections. Bulbs may be "blown" due to broken or poor battery, ammeter or other connections. See also "BATTERY."

#### 3. All bulbs fail to light—engine running with ignition switch at "IGN."

Bulbs may be "blown" (see "2"). Check all connections.

#### 4. All bulbs light but gradually fade—engine not running.

Battery partially discharged or in poor condition and not holding charge. See "BATTERY."

#### 5. Brilliance varies considerably with speed of machine.

See 4.

#### 6. Lights flicker.

Check connections.

### HORN.

See Lucas instruction booklet.