

# LUCAS

## WINDTONE HORNS

### MODEL WT 614

The windtone horn set comprises a pair of electric windtone horns together with the cable and connectors necessary for installing on the car. The horns are designed for under-bonnet mounting.

When windtone horns are fitted to a car with six volt electrical equipment, it is necessary to include a relay in the horn circuit to limit the current carried by the contacts of the horn push and to minimise the effect of voltage drop by shortening the cables carrying the main current.

#### MOUNTING

Some thought and consideration must be given to mounting the horns to ensure that they are securely clamped to a substantial member of the car.

#### WIRING THE EQUIPMENT

The equipment must be wired with the cable supplied, which is provided with special soldered connectors for making connections to the horns.

Before beginning the installation, disconnect the battery lead, or, if a battery master switch is fitted, switch to the "OFF" position to avoid any possibility of short circuits.

All leads must be kept as short as possible and securely clamped in position. Do not clamp cables against sharp edges where there is a danger of abrasion through vibration. Avoid taking cables round acute bends or where they can be splashed by oil or water.

#### 6 volt sets

In addition to the horns, the set includes the following:

- (a) Relay.
- (b) Length 4 ft. 45/.012 single core cable assembled to fuse unit.
- (c) Length 9 ft. 28/.012 single core cable with soldered connector at one end.
- (d) Length 2 ft. 28/.012 single core cable with soldered connector at both ends.
- (e) Length 20 ft. 28/.012 single core cable with soldered connector at both ends.
- (f) 3 terminal eyelets for making connection to starter switch, and convenient earth connections.

1. Refer to wiring diagram on page 4.

2. Fit the relay unit (a), near to the control box. Cut the 4 ft. 45/.012 cable (b) so as to form two ends and connect one end to the "B" terminal on relay and the other to the battery supply terminal on the starter switch.

**Note.** In order to make a good connection to the starter switch a terminal eyelet is supplied and should be fitted to the cable as follows:

Bare cable for about  $\frac{3}{8}$  in., place eyelet on cable and fix in position by means of the securing tags, taking care to see that the large securing tags firmly grip the cable insulation. Finally solder cable strands to eyelet.

3. Connect the 9 ft. 28/.012 cable (c) to the terminal "P" on the relay and to the existing cable from the horn push. This cable is usually purple and yellow in colour and the end of the cable, which in most cases is carried down the steering column, will either be fitted in a snap connector at the bottom of the column or connected to an adjacent junction box. The soldered connector at the end of the new cable must be fitted to the snap connector in place