

LUCAS

SERVICE DEPOTS

All owners of Lucas equipment are urged to take advantage of the facilities offered by Lucas Service.

For the benefit of the users of our equipment, we have established Service Depots in all large towns, which are not only at your disposal for repairs, overhauls and adjustments, but to give free advice. If you experience any difficulty with any part of the equipment, do not hesitate to consult us; we shall be only too pleased to be of assistance. The best course to adopt is to call at our nearest Service Depot, the addresses of which are given below, when the equipment can be examined as a whole.

If it is necessary to replace any part, order Genuine Lucas Spares. It is obvious that only the designers and manufacturers of the equipment are in a position to make replacement parts which will give satisfactory and lasting service.

When corresponding with Depots, or when ordering spare parts, give the name, model and year of the engine; the unit of equipment; and particular part in question. Units of equipment are identified by letters and numbers stamped or moulded on some part of the article. It is essential to quote this marking to ensure that correct replacements are sent.

Illustrated spare parts lists are available on application. State year, make and model of engine.

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| BELFAST
Telephone: Belfast 25617 | 51/55, UPPER LIBRARY STREET
Telegrams: "Servdep, Belfast" |
| BIRMINGHAM, 18
Telephone: Central 5090 | GREAT HAMPTON STREET
Telegrams: "Lucas, Telex, Birmingham" |
| BRIGHTON, 4
Telephone: Hove 1146 | 85, OLD SHOREHAM ROAD, HOVE
Telegrams: "Lucas, Brighton" |
| BRISTOL, 4
Telephone: Bristol 76001 | 345, BATH ROAD
Telegrams: "Lucas, Bristol" |
| CARDIFF
Telephone: Cardiff 75193 | 54a, PENARTH ROAD
Telegrams: "Lucas, Cardiff" |
| EDINBURGH, 11
Telephone: Edinburgh 62921 | 55, SOUTH CIRCULAR ROAD
Telegrams: "Lucas, Dublin" |
| GLASGOW, C.3
Telephone: Douglas 3075 | 60, STEVENSON ROAD, GORGHIE
Telegrams: "Lucas, Edinburgh" |
| LEEDS, 8
Telephone: Leeds 28591 | 41/4, GRANT STREET (ST. GEORGE'S ROAD)
Telegrams: "Lucas, Glasgow" |
| LIVERPOOL, 13
Telephone: Stoneycroft 4721 | 64, ROSEVILLE ROAD
Telegrams: "Lucas, Leeds" |
| LONDON
Telephone: Shepherds Bush 3160 | 459/456, EDGE LANE
Telegrams: "Lucas, Liverpool" |
| LONDON
Telephone: Leytonstone 3361 | DORDBRECHT ROAD, ACTON VALE, W.3
Telegrams: "Dynamagpa, Ealux, London" |
| MANCHESTER
Telephone: Longford 1101 | 757/759, HIGH ROAD, LEXTON, E.10
Telegrams: "Lucas, London" |
| NEWCASTLE-ON-TYNE, 1
Telephone: Newcastle 25571 | TALBOT ROAD, STRETFORD
Telegrams: "Lucas, Stretford" |
| LONDON SALES OFFICE
Telephone: Langham 4311 | 64/68, ST. MARY'S PLACE
Telegrams: "Lucas, Newcastle-on-Tyne" |
| LONDON EXPORT OFFICE
Telephone: Grosvenor 4848 | 319, REGENT STREET, W.1
Telegrams: "Lucas, London" |
| | LUCAS HOUSE, 46, PARK STREET, W.1
Telegrams: "Lucas, London" |
| | Overseas Telegrams: "Lucas, London" |

In addition there are Official Battery Service Agents, Official Spares Stockists and Official Spares Dealers in all parts of the Country.

Instruction Booklet No. 765

1/58 3

Printed in England

LUCAS

WINDTONE HORNS

MODEL WT 614



INSTRUCTIONS FOR
FITTING & MAINTENANCE

JOSEPH LUCAS LTD. BIRMINGHAM ENGLAND

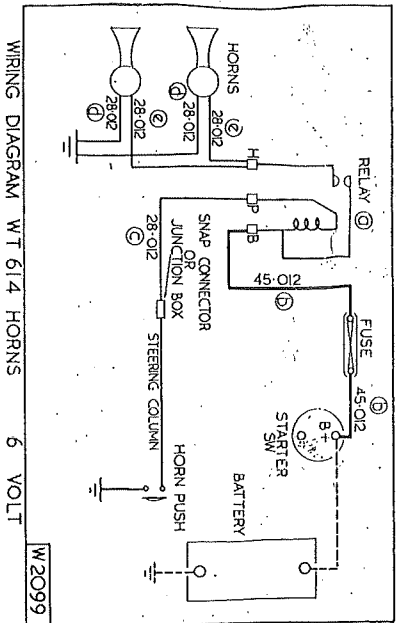
of the existing lead to the horn, or alternatively, the soldered connector must be cut off, the end of the cable bared and connected to the terminal in the junction box together with the horn push cable. Any other cable originally connected to this terminal must be removed.

4. Take out the screw securing the cover of each horn and lift off the covers. Cut 20 ft. 28/.012 cable (e) to appropriate length to form two leads, each having a soldered connector. The soldered connectors must be pushed into one of the terminals of each horn and the other ends of the leads connected to the "H" terminal on the relay.

5. Cut the 2 ft. 28/.012 cable (d) to form two leads, each having one soldered connector. One lead must be used for each horn and must connect to the remaining terminal. The other ends of these leads must have eyelets soldered on and then be secured to convenient earthing points on the car chassis.

Note. It is suggested that the horn fixing bolts be utilised for earthing, making sure that all paint around the fixing hole is removed.

Replace the horn covers, locating the slot in the cover over the cables, and secure by tightening the fixing screw.



WIRING DIAGRAM WT 614 HORNS 6 VOLT W2099

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12 volt sets

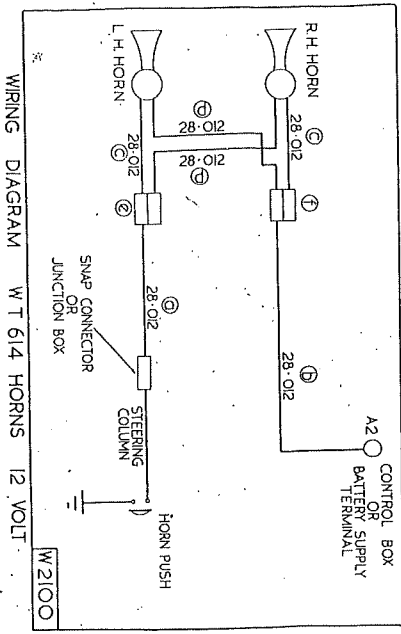
In addition to the horns, the set includes the following:

- (a) 1 length 4 ft. 28/.012 single core cable with soldered connectors at each end.
- (b) 1 length 12 ft. 28/.012 single core cable with soldered connector at one end only.
- (c) 2 lengths 3 ft. 6 ins. 28/.012 single core cable with soldered connector at each end.
- (d) 2 lengths 6 ft. 28/.012 single core cable with soldered connector at each end.
- (e and f) 2 four-way snap connectors.

1. Refer to the wiring diagram on page 6.
2. Take out the screw securing the cover of each horn, lift off the covers.
3. Connect the end of a 3 ft. 6 in. length of 28/.012 cable (c) to one terminal of the left-hand horn and similarly, connect one end of the second 3 ft. 6 in. length to one terminal of the right-hand horn (connection to the horn is made by pushing the connector into the spring terminal). Connect the other ends of these two leads to the four-way snap connectors (e and f) as shown.
4. Connect one of the 6 ft. lengths of 28/.012 cable (d) between the unused terminal of the left-hand horn and snap connector (f). Similarly connect the second 6 ft. lead between the right-hand horn and snap connector (e).
5. Connect the 4 ft. 28/.012 cable (a) to the four-way snap connector (e) and to the existing cable from the horn push. This latter 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 of the existing lead to the horn, or alternatively, the soldered connector must be cut off, the end of the cable bared and connected to the terminal in the junction box together with the horn push cable. Any other cable originally connected to this terminal must be removed.

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- Connect the 12 ft. 28/.012 cable (b) to the other four-way snap connector (f) and to the battery supply terminal (with Lucas equipment this will usually be the terminal marked "A2" on the control box).



MAINTENANCE

The horns are adjusted to give their best performance before being sent out of the Works. If one of the horns fails, or becomes uncertain in its action, first ascertain that the trouble is not due to some outside source, e.g., a loose connection or short circuit in the wiring of the horn. If both horns fail or become uncertain in their action, the trouble is probably due to a discharged battery or a blown accessories fuse (if fitted). If the fuse has blown, examine the wiring for the fault, rectify and then replace the fuse.

It is also possible that the performance of a horn may be impaired due to its fixing bolt working loose.

If, after carrying out the above examination, the trouble is not rectified, the horn may need adjustment, but this should not be necessary until the horns have been in service for a long period. Adjustment does not alter the pitch of the note; it merely takes up wear of moving parts.

ADJUSTMENT OF HORNS

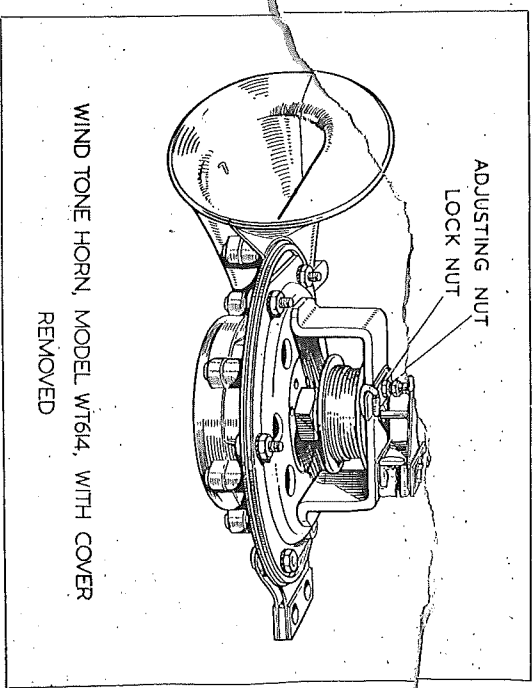
Remove the horn cover after withdrawing the fixing screw. Adjustment can then be made by resetting the contact breaker.

Slacken the lock nut on the fixed contact and rotate the adjusting nut until the contacts are just separated (indicated by horn failing to sound).

Turn the adjusting nut half a turn in the opposite direction and secure it in this position by tightening the lock-nut.

When making adjustments to a horn, always disconnect the supply lead of the other horn, taking care that it does not come into contact with any part of the chassis and so cause a short circuit.

Finally, if the note is still unsatisfactory, do not dismantle the horn, but return it to a Lucas Service Depot or Agent for examination.



WINDTONE HORNS MODELS

WT28 AND WT29

Model WT28 horns have a chromium plated finish and are designed for external mounting, while Model WT29 horns have an all black finish and are intended for under bonnet mounting. The method of fitting and adjustment of these horns is exactly the same as given in Instruction Booklet No.765 for Windtone Horns Model WT614.

Supplement to Instruction Booklet No.765.