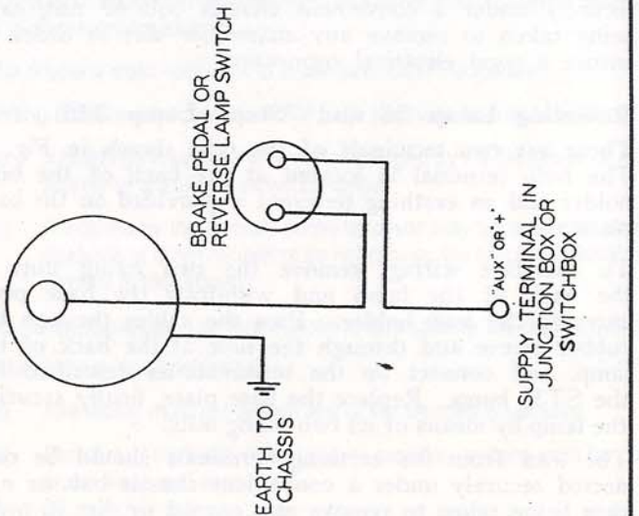
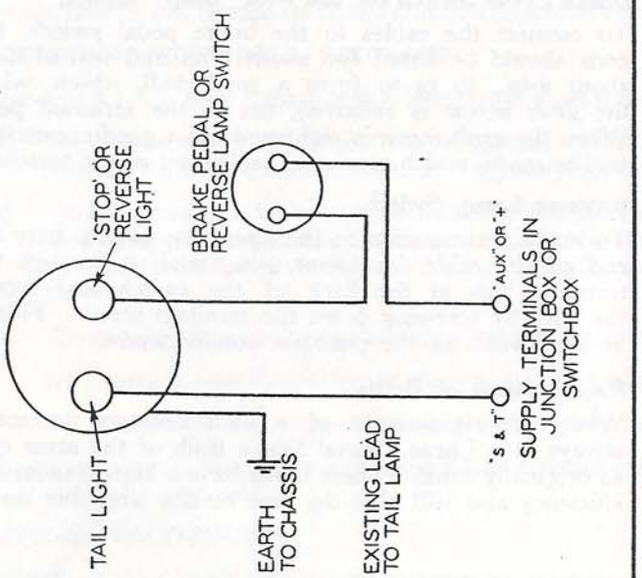
"STOP" OR REVERSING LAMPS



"STOP" TAIL OR TAIL & REVERSING LAMPS



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.

BELFAST	**51/55, Upper Library Street.**
Telephone: Belfast 28617	Telegrams: "Servdep, Belfast"
BIRMINGHAM, 18	**... Great Hampton Street**
Telephone: Central 8401 (10 lines)	Telegrams: "Lucas, Birmingham"
BRIGHTON, 4	**... 85, Old Shoreham Rd., Hove**
Telephone: Hove 1146 (4 lines)	Telegrams: "Luserv, Brighton"
BRISTOL	**... ... 345, Bath Road**
Telephone: Bristol 76001 (4 lines)	Telegrams: "Kingly, Bristol"
CARDIFF	**... ... 54a, Penarth Road**
Telephone: Cardiff 4603 (4 lines)	Telegrams: "Lucas, Cardiff"
COVENTRY	**... ... ... Priory Street**
Telephone: Coventry 3068	Telegrams: "Lucas, Coventry"
DUBLIN	**Portland St. North, North Circular Rd.**
Telephone: Dublin 72601 (4 lines)	Telegrams: "Luserv, Dublin"
EDINBURGH, 11	**... 60, Stevenson Road, Gorgie**
Telephone: Edinburgh 62921 (4 lines)	Telgrams: "Luserv, Edinburgh"
GLASGOW	**Grant Street (St. George's Road)**
Telephone: Douglas 3075 (5 lines)	Telegrams: "Lucas, Glasgow"
LEEDS	**... ... 64, Roseville Road**
Telephone: Leeds 28591 (5 lines)	Telegrams: "Luserdep, Leeds"
LIVERPOOL, 13	**... ... 450/456, Edge Lane**
Telephone: Old Swan 1408 (6 lines)	Telegrams: "Luserv, Liverpool"
LONDON	**Dordrecht Road, Acton Vale, W.3**
Telephone: Shepherds Bush 3160 (10 lines)	Telegrams: "Dynomagna, Ealux, London"
LONDON	**757/759, High Road, Leyton, E.10**
'Phone: Leytonstone 3361 (5 lines)	'Grams: "Luserdep, Leytone, London"
LONDON	**155, Merton Road, Wandsworth, S.W.18**
Telephone: Putney 5131 (4 lines)	Telegrams: "Luserv. Put, London"
MANCHESTER	**... Talbot Road, Stretford**
Telephone: Longford 1101 (5 lines)	Telegrams: "Lucas, Stretford"
NEWCASTLE-on-TYNE, 2 ...	**... 64/68, St. Mary's Place**
'Phone: Newcastle 25571 (3 lines)	'Grams: "Motolite, Newcastle-on-Tyne"

IN ADDITION THERE ARE LUCAS-C.A.V.-ROTAX OFFICIAL BATTERY SERVICE AGENTS, OFFICIAL SPARES STOCKISTS AND DEALERS IN IMPORTANT CENTRES THROUGHOUT THE COUNTRY.

Printed in England

LUCAS BRITISH MADE

INSTRUCTIONS FOR
LUCAS

"STOP" TAIL LAMPS
40AB, ST38, ST44N,
ST50 & ST52.

TAIL & REVERSING
LAMPS RT44N & RT50.

"STOP" LAMP 38S.

REVERSING LAMP 38R.

JOSEPH LUCAS LTD.,
HEAD OFFICES & WORKS:
BIRMINGHAM, ENGLAND.

TELEGRAMS & CABLES: "LUCAS, BIRMINGHAM."
TELEPHONE: NORTHERN 5201 (12 lines).

Instruction Leaflet No. 181F. R/117/L.

INSTRUCTIONS FOR LUCAS "STOP" TAIL LAMPS 40AB, ST38, ST44N, ST50 & ST52 TAIL AND REVERSING LAMPS RT44N & RT50, "STOP" LAMP 38S & REVERSING LAMP 38R.

(1) Fit the lamp in position and secure by means of the fixing bolts provided. When the lamp glass is ribbed, the lamp must be fitted so that the ribs in the glass are vertical.

(2) (i) "Stop" or "Stop" Tail Lamps.

Fit the "stop" lamp switch so that it is operated by the foot brake. It must be mounted on the chassis so that the spring can be attached to the foot brake pedal or to one of the brake operating rods. A piece of empire cloth is provided which can be secured under the fixing bolts and can be arranged, in most cases, to protect the terminals from oil, dirt, etc.

(ii) Reversing or Tail and Reversing Lamps.

Decide on the position in which the reversing lamp switch will be mounted. Owing to the terminal arrangement, the switch cannot be mounted until it is wired up, but the approximate position must be known in order to decide on the length of the cables required.

(3) Wire up the equipment according to the appropriate wiring diagram.

The lamp front can usually be removed for wiring when the securing screws are removed.

With ST50 and RT50 lamps, the front can be swung open when the fixing clip is pressed back.

Whenever possible, run the extra cables alongside cables already fitted. All cables must be securely clamped to the chassis by means of clips. Care must be taken that they are not clamped against sharp edges, where there is a risk of abrasion through vibration. Avoid taking cables round acute bends and avoid, as far as possible, fixing them where they can be splashed by water or oil.

(4) Connect up the lamp as follows:—

"Stop" Tail Lamps 40AB and ST44N, and Tail & Reversing Lamp RT44N.

Unscrew the knurled fixing ring, and remove the adapter from the lamp. Thread the leads through the covering shell and washer, and bare the ends about $\frac{1}{8}$-in. Unscrew

Fig. 1. Lamp No. 40AB.

TERMINAL ARRANGEMENT.

Fig. 2. Lamps Nos. ST44N RT44N.

the small screws sunk in the adapter and insert the leads in their respective terminals. Replace the adapter, locating it so that the projection on the inside of the holder locates in the groove in the adapter. Secure the whole by tightening the knurled fixing ring.

"Stop" Tail Lamps ST38, ST50 and ST52 and Tail & Reversing Lamp RT50.

With these lamps three connections have to be made, a common earthing terminal being provided in addition to the lamp terminals. The earthing terminal is in metallic contact with the partition between the two bulbs, while the lamp terminals are insulated from the partition.

To wire the lamps pass the three leads through the rubber sleeve and through the hole in the back of the lamps finally connecting the leads in their respective terminals. A hole is provided in the partition to enable the tail lamp lead to be passed through to its terminal. The method of connecting up is as follows:—Remove the metal sleeve provided in each terminal, and then having bared the cable end for about $\frac{1}{2}$-in., pass it through the sleeve. Finally, bend back the wire over the sleeve and push it well home into its terminal. See illustration below.

Fig. 3.

The lead from the earthing terminal should be connected securely under a convenient chassis bolt or nut, care being taken to remove any enamel or dirt in order to ensure a good electrical connection.

Reversing Lamp 38 and "Stop" Lamp 38S.

There are two terminals of the type shown in Fig. 3. The bulb terminal is located at the back of the bulb holder and an earthing terminal is provided on the base plate.

To facilitate wiring, remove the two fixing nuts at the back of the lamp and withdraw the base plate carrying the bulb holder. Pass the cables through the rubber sleeve and through the hole at the back of the lamp, and connect up the terminals as described for the ST38 lamp. Replace the base plate, finally securing the lamp by means of its two fixing nuts.

The lead from the earthing terminals should be connected securely under a convenient chassis bolt or nut, care being taken to remove any enamel or dirt in order to ensure a good electrical connection.

Brake Pedal Switch for use with "Stop" Lights.

To connect the cables to the brake pedal switch, the ends should be bared for about $\frac{3}{8}$-in. and turned back about $\frac{1}{8}$-in., so as to form a small ball, which, when the grub screw is removed, fits in the terminal post. When the grub screw is tightened up, a good connection will be made, which cannot be pulled out of the terminal.

Reverse Lamp Switch.

To make a connection to the operating switch, bare the end of the cable for about $\frac{1}{4}$-in., push it through the terminal hole at the back of the switch and secure the wire by screwing down the terminal screw. Finally fit the switch in the position decided upon.

Replacement of Bulbs.

When the replacement of a bulb becomes necessary, always fit a Lucas Official Spare Bulb of the same type as originally fitted. These bulbs have a high standard of efficiency and will give the best results with our lamps.