

*Cancelled -
Ref EMEI Veh A009-1
Issue 9.3,
Apr 04*

TRUCK UTILITY LIGHTWEIGHT MC2
LANDROVER SERIES III ALL TYPES
REWIRING OF HEADLIGHT CIRCUIT

MODIFICATION INSTRUCTION

Issue of this instruction is authorised by CONMEA

Introduction

1. Instances have occurred where the plastic surrounding pins 3 and 4 in the fuse box have melted.
2. This modification details the fitting of a circuit breaker to the headlight circuit to prevent the fuse box melting while the headlights are on for an extended period. This instruction is to be read in conjunction with EMEI VEH G 303-1 and G 307-13.

Note:

1. NSN and Designation used in this instruction were current at the date of issue. If twelve months or more have expired since issue, the NSN should be checked for supersession.

General

3. Estimated Manhours Required. 3.0.
4. Priority. Group 2.
5. Modification to be Applied to. All subject vehicles.
6. Items affected. Fuse block wiring connections, headlight circuit wiring, map reading lamp circuit, blackout switch and auxiliary power wiring.
7. Action Required. By RAEME units authorised to carry out unit, field and base repairs.
8. Stores Removed. Nil.

TABLE 1 - STORES REQUIRED (To be demanded through normal supply channels)

Item	NSN	Designation	Qty per Equip
(a)	(b)	(c)	(d)
1.	5940-01-079-1936	SPLICE CONNECTOR	1
2.	6145-66-102-0462	WIRE ELECTRIC, AUTO CABLE YELLOW, 5MM	As Required
3.	5940-00-617-2433	TERMINAL, CRIMP TYPE	3
4.	5940-66-086-1146	TERMINAL, CRIMP, QUICK DISCONNECT	2
5.	6145-66-018-3952	WIRE, ELECTRIC, AUTO CABLE, BLUE, 3MM	As Required
6.	5970-66-013-1798	SLEEVING 5MM	As Required
7.	5975-66-093-1516	CIRCUIT BREAKER, 12V 15A	1

Detail

CAUTION:

1. Wire colourings may vary in some vehicles. Positive identification of wires is important

9. Modification procedure is as follows:
 - a. Disconnect the battery.
 - b. Disconnect the speedo cable. Remove the instrument panel, fuse box surrounds and blackout switch panel.
 - c. Remove the power feed wire (brown wire) from terminal 3 of the fuse box and re-route to terminal 10 of the blackout switch, (terminal 2 of santon type switch). Use items 1 and 2 of Table 1 to lengthen the power feed wire.
 - d. Remove the map light wire (blue wire) and auxiliary power feed wire (brown wire) from terminal 10 of the blackout light switch, (terminal 2 of santon type switch) taking care to remove the correct brown wire.
 - e. Identify the brown wire connected between terminal 4 of the fuse box and terminal 10 of the blackout switch (terminal 2 of the santon type switch). Disconnect this wire from terminal 4 and reconnect to terminal 3 of the fuse box.
 - f. Using items 4, 5 and 6 of Table 1, join the map light wire and the auxiliary power feed wire and re-route to the fuse box terminal 4.
 - g. Mount the circuit breaker (item 7 of Table 1) to the flasher can mounting screw.
 - h. Using items 2, 3, 4 and 6 of Table 1, join the positive terminal of the circuit breaker (item 7) to the fuse box terminal 1.
 - i. Disconnect the high beam flash feed wire (purple wire) and the headlight feed wire (brown wire) from the fuse box terminal 1 and re-connect both wires to the negative terminal of the circuit breaker (item 7).
 - j. Check that the modified wiring corresponds to that shown in Fig 1 and reconnect the battery.
 - k. Test the operation of headlights in both normal and blackout modes.
 - l. Re-assemble the instrument panel, fuse box surround and blackout switch panel. Re-connect the speedo.
10. Deface numeral 23 on the vehicle modification plate.

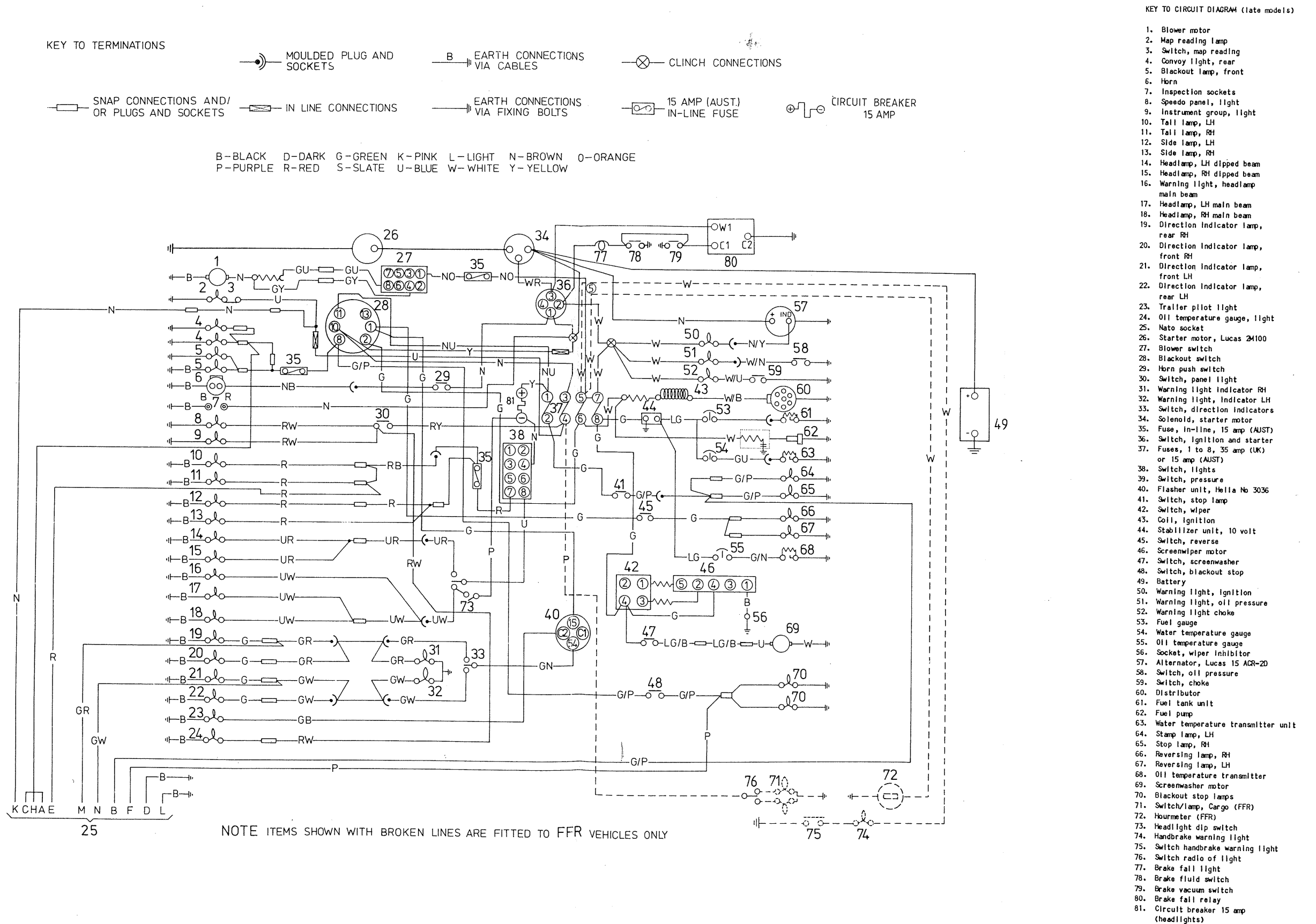


FIG 1 - CIRCUIT DIAGRAM OF LANDROVER SERIES 3

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