

~~Cancelled~~
Ref EMEI Veh A009-1.
Issue 9.3.
Apr 04

TRUCK, UTILITY LIGHTWEIGHT MC2,
LANDROVER SERIES III, ALL TYPES
STANDARDIZATION OF WIRING

MODIFICATION INSTRUCTION

Issue of this instruction is authorized by the CONMEA.

Introduction

1. This instruction supersedes VEH G 307-13 Issue 1 May 83, incorporating minor electrical connection changes and revised wiring diagrams.
2. There are two separate circuit diagrams for the early and the late model GS cargo and FFR vehicles currently in use, and these diagrams vary accordingly. This instruction standardizes these circuit diagrams so that one diagram includes all early and late model vehicles.
3. This modification will overcome the instances of wiring burning out caused by short circuits in the electrical system.

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. 2.0 (initial planning only).
4. Priority. Group 2.
 - a. All equipments on issue are to be modified when next in workshops for repair.
 - b. All equipments held by supply units should normally be modified before issue. However, where this would delay priority issues, equipments may be released unmodified provided their Equipment History Books are endorsed with details of outstanding modifications.
5. Modification Application. To all subject vehicles.
6. Items Affected. Fuse block wiring connections and flasher unit wiring.
7. Action Required. By RAEME units authorized to carry out unit or field repairs in accordance with WKSP A 850.

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

Item	NSN	Designation	Qty per Equip
1.	5940-00-948-9686	TERMINAL, QUICK DISCONNECT	As required
2.	6145-66-018-3953	WIRE ELECTRICAL 3MM	As required

TABLE 2 - STORES REMOVED
(To be disposed of in accordance with GEN P series)

Item	NSN	Designation	Qty per Equip
1.	NIC	WIRE ELECTRICAL	1

Detail

8. Modification procedure is as follows:

a. Reversing light Circuit. Refer VEH G 307-6.

b. Indicator Circuit.

(1) Remove instrument panel and fuse block coverings.

(2) Remove and discard the lead between pin 2 on the fuse block and pin 15X on the flasher unit.

(3) Using items 1 and 2 in Table 1, manufacture a new lead to go from pin 15X on the flasher unit (following the existing loom to the blackout switch) to pin 1 on the blackout switch.

c. Blower Motor Circuit. Refer VEH G 306 Dec 77.

(1) Remove instrument panel.

(2) Disconnect Brown/Orange wire from Ignition Pin 4 and connect to fuse block 5.

d. Fuse Block. Identify wiring connections by referring to VEH G 307-13, Issue 1, Mar 83 circuit diagram. After modification the fuse block wiring connections should be as follows:

(1) Fuse block pin 1.

(a) Brown/Blue wire from pin 11 on blackout switch.

(b) Brown wire from headlight switch.

(c) Purple wire from headlight dip switch.

(2) Fuse block pin 2.

(a) Green to stop light circuit.

(3) Fuse block pin 3.

(a) Brown (power lead from ignition switch pin 1).

(4) Fuse block pin 4.

(a) Red and yellow from panel light switch.

(b) Brown from black-out pin 10.

- (5) Fuse Block pin 5.
 - (a) White from hour meter and 12V relay (FFR only).
 - (b) White from hand brake warning light.
 - (c) Brown/orange from blower motor.
- (6) Fuse block pin 6.
 - (a) Green (with black sleeving) from pin 2 black-out switch.
 - (b) White from ignition coil and fuel pump.
- (7) Fuse block pin 7.
 - (a) White from ignition switch pin 2.
- (8) Fuse block pin 8.
 - (a) Green from wiper switch.
 - (b) Green from stabilizer unit, 10 V.

Note:

- 1. The colour code referred to in paragraph 8, all parts may vary in some vehicles so positive identification of connections is important.

Modification Record Plate

9. In the case of the FFR Land Rover, deface the numeral 16 on the modification record plate situated on the side of the front passenger seat base, adjacent to the vehicle specification plate. In the other models of the Land Rover, deface the numeral 17 on the modification record plate situated in the same position as on the FFR Land Rover.

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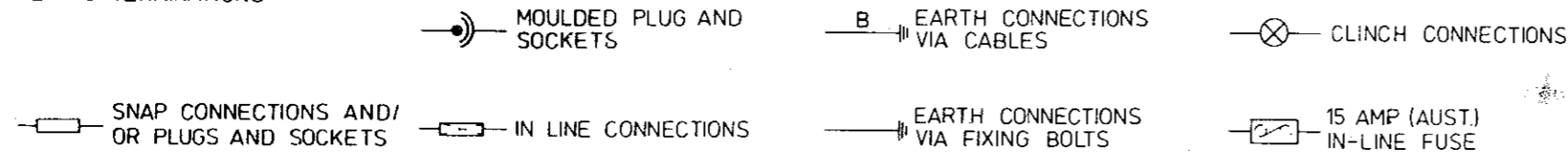
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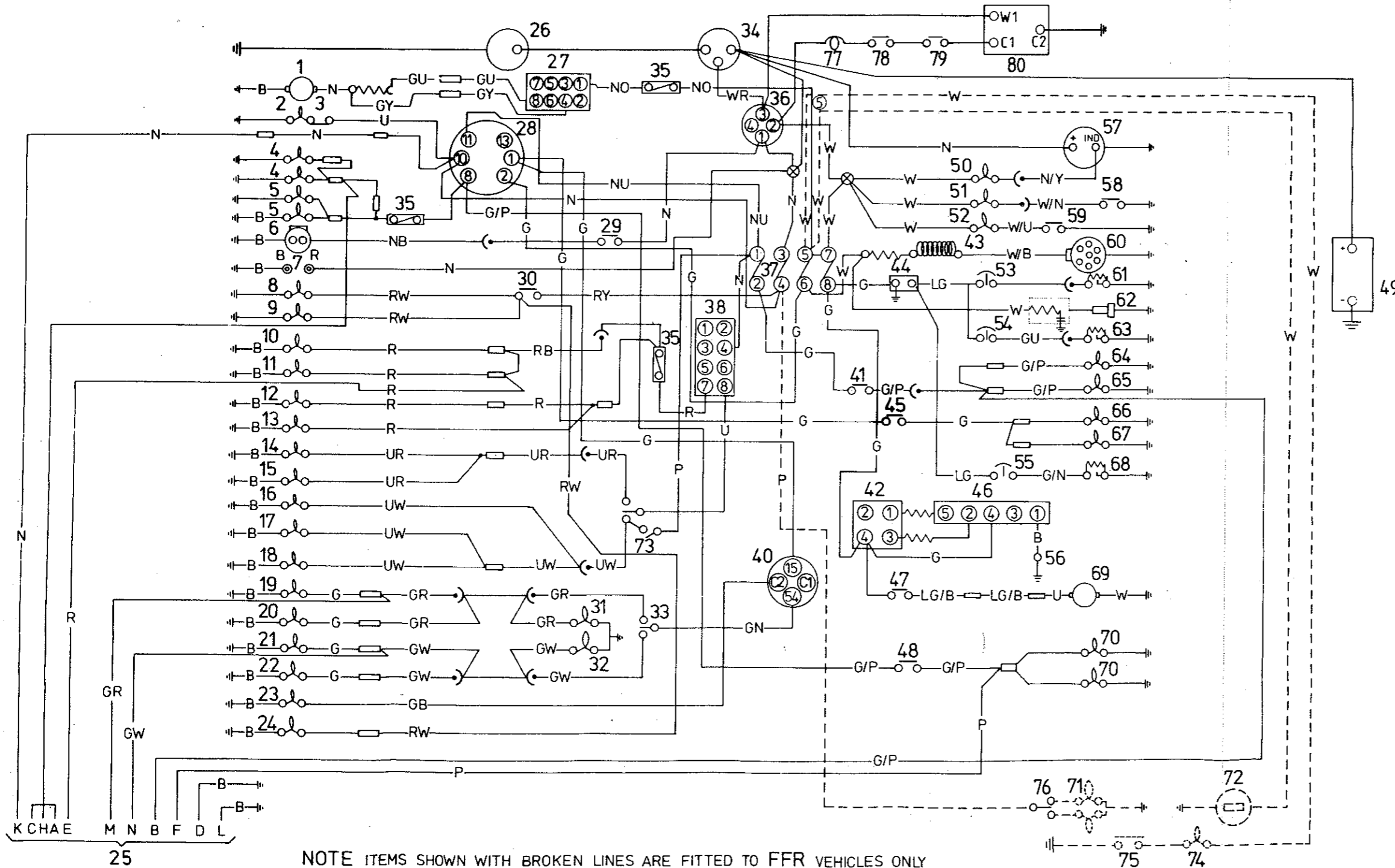
KEY TO TERMINATIONS



B-BLACK D-DARK G-GREEN K-PINK L-LIGHT N-BROWN O-ORANGE
P-PURPLE R-RED S-SLATE U-BLUE W-WHITE Y-YELLOW

Key to circuit diagram (late models)

1. Blower motor
2. Map reading lamp
3. Switch, map reading
4. Convoy light, rear
5. Blackout lamp, front
6. Horn
7. Inspection sockets
8. Speedo panel, light
9. Instrument group, light
10. Tail lamp, LH
11. Tail lamp, RH
12. Side lamp, LH
13. Side lamp, RH
14. Headlamp, LH dipped beam
15. Headlamp, RH dipped beam
16. Warning light, headlamp main beam
17. Headlamp, LH main beam
18. Headlamp, RH main beam
19. Direction indicator lamp, rear RH
20. Direction indicator lamp, front RH
21. Direction indicator lamp, front LH
22. Direction indicator lamp, rear LH
23. Trailer pilot light
24. Oil temperature gauge, light
25. Nato socket
26. Starter motor, Lucas 2M100
27. Blower switch
28. Blackout switch
29. Horn push switch
30. Switch, panel light
31. Warning light, indicator RH
32. Warning light, indicator LH
33. Switch, direction indicators
34. Solenoid, starter motor
35. Fuse, in-line, 15 amp (AUST.) or 15 amp (AUST.)
36. Switch, ignition and starter
37. Fuses, 1 to 8, 35 amp (U.K.)
38. Switch, lights
39. Switch, pressure
40. Flasher unit, Hella No. 3036
41. Switch, stop lamp
42. Switch, wiper
43. Coil, ignition
44. Stabilizer unit, 10 volt
45. Switch, reverse
46. Screenwiper motor
47. Switch, screenwasher
48. Switch, blackout stop
49. Battery
50. Warning light, ignition
51. Warning light, oil pressure
52. Warning light, choke
53. Fuel gauge
54. Water temperature gauge
55. Oil temperature gauge
56. Socket, wiper inhibitor
57. Alternator, Lucas 15 ACR-2D
58. Switch, oil pressure
59. Switch, choke
60. Distributor
61. Fuel tank unit
62. Fuel pump
63. Water temperature transmitter unit
64. Stop lamp, LH
65. Stop lamp, RH
66. Reversing lamp, RH
67. Reversing lamp, LH
68. Oil temperature transmitter
69. Screenwasher motor
70. Blackout stoplamps
71. Switch/lamp, Cargo (FFR)
72. Hourmeter (FFR)
73. Headlight dip switch
74. Handbrake warning light
75. Switch handbrake warning light
76. Switch radio of light
77. Brake fail light
78. Brake fluid switch
79. Brake vacuum switch
80. Brake fail relay



NOTE ITEMS SHOWN WITH BROKEN LINES ARE FITTED TO FFR VEHICLES ONLY

FIG 1 - CIRCUIT DIAGRAM OF 100A 28 V DISTRIBUTION SYSTEM



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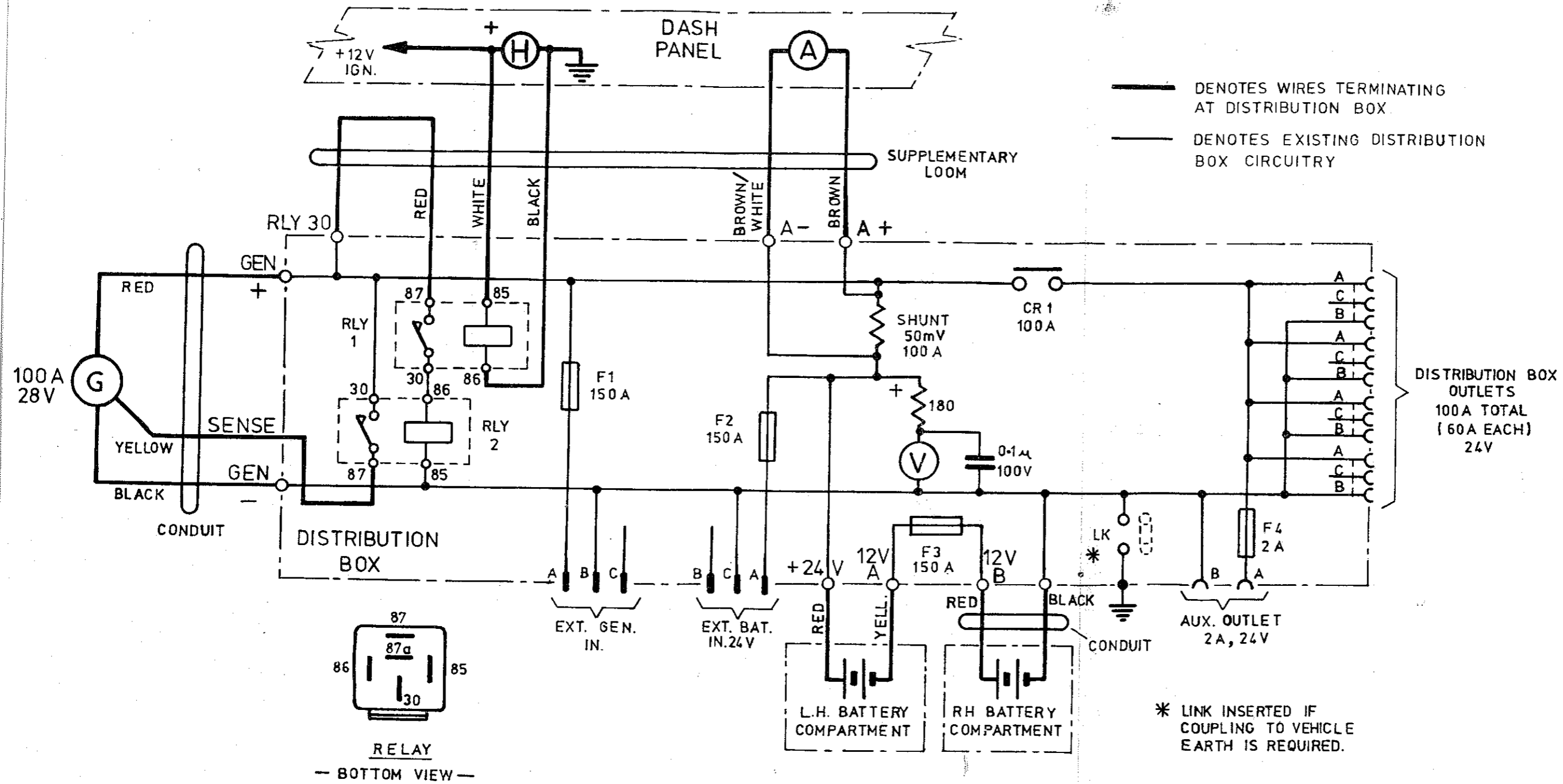


FIG 2 - CIRCUIT DIAGRAM OF 100A 28V DISTRIBUTION SYSTEM

E N D

Class 16.2 - Code 4 (MEA 400/84E)

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