

TRUCK, UTILITY, 3/4 TON, GS, FFR

REPLACEMENT OF TELECOMMUNICATIONS INSTALLATION BATTERIES AND CARRIERS

MODIFICATION INSTRUCTION

NOTE: This instruction supersedes Issue 3, all copies of which are to be destroyed. The instruction has been revised throughout, to avoid confusion on stores accounting.

Reference: ACs in WM Nos. 18863/7 and 23615/4.

Summary

1. This instruction details the replacement of the existing telecommunications installation batteries with lightweight, plastic cased batteries to improve performance. The batteries 6140-66-025-8833 BATTERY, storage lead-acid type 12 V, 9 pl, 60 AH w/cover are to be drawn by Units against CES entitlement only.

Estimated manhours to perform: 4.0

2. **Priority:** Group 2.

3. **Modification to be applied to:** All stocks.

4. **Items affected:**

6140-49-910-1537. BATTERY Storage Lead-Acid Type
ZB 14743 CARRIER Battery 17 1/2 inch x 16 inch

5. **Action required:** By unit, field and base workshops in accordance with WKSP A 850.

6. **Stores required:** (Available through normal Ordnance channels.)

a. To be supplied by owner Unit.

Item No.	Stock No.	Designation	Qty per Eqpt
1	6140-66-025-8833	BATTERY, STORAGE, lead-acid, 12 volt, 9 plate 60 AH, with lid.	As held against new CES

b. To be supplied by workshop.

Item No.	Stock No.	Designation	Qty per Eqpt
2	2510-66-028-6371	BATTERY CARRIER	2
3	5305-66-015-2204	SCREW Machine UNF Mild Steel Flat Csk Hd slotted 1/4 in x 3/8 in lg	16
4	6145-66-018-6886	WIRE Elect PVC Red LT 97/012	As reqd
5	5940-66-027-5863	TERMINAL LUG "Utilux" H1406B	10
6	5940-66-028-4719	TERMINAL LUG "Utilux" H1406A	10

7. **Stores removed:**

a. To be returned by owner Unit to RSG for disposal.

Item No.	Stock No.	Designation	Qty per Eqpt
1	6140-49-910-1537	BATTERIES Storage Lead-Acid Type 12 V 75 AH	As held against old CES.

b. To be reduced to scrap in workshop.

Item No.	Stock No.	Designation	Qty per Eqpt
2	ZB 14743	CARRIER BATTERY 17 1/2 in x 16 in	2

Detail

- 8. a. Disconnect existing batteries and remove (if fitted).
- b. Remove existing battery carriers.
- c. Position new carriers (item 2) on baseboards, with the wing nuts towards the sides of the vehicle. Ensure that a space of 1 inch is left between carriers (fig 1).
- d. Using carriers as templates, mark out, drill and tap baseboard for 1/4 inch UNF (eight holes to each carrier).

NOTE: This action is not required where the baseboard is already drilled and tapped.

- e. Secure carriers using item 3.
 - f. Position batteries in carriers (fig 1).
 - g. Using item 4, 5 and 6 manufacture battery connecting leads (fig 2).
 - h. Connect batteries as illustrated in fig 2 and test for correct operation.
- 9. The leads to the Panel Power Distribution are to be of sufficient length to permit the two battery banks to be paralleled and connected to the B+ and B- terminals of the Vehicle Distribution Box (in case the Panel Power Distribution is removed).
 - 10. Strike through the figure "2" on the modification plate located in the left hand glove compartment.

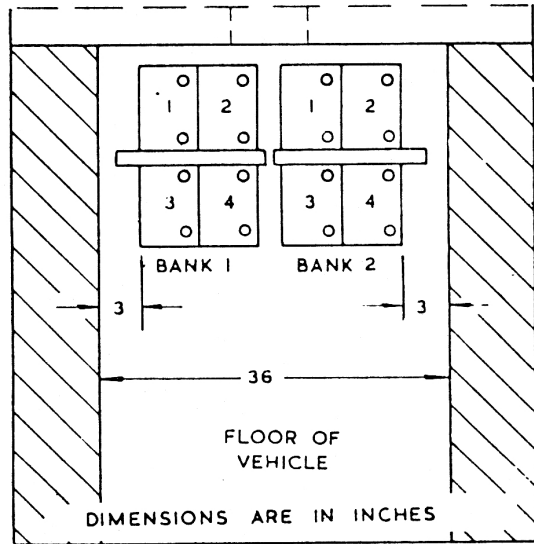


FIG. 1 - BATTERY LAYOUT

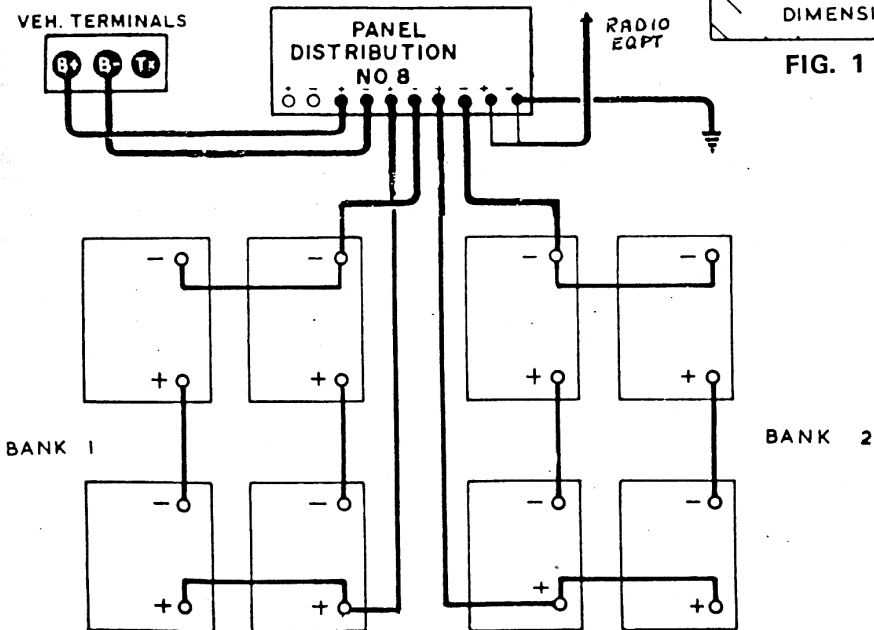


FIG. 2 - BATTERY CONNECTIONS