

A-074 JUM 77 UEH  
G050-18

ELECTRICAL AND MECHANICAL  
ENGINEERING INSTRUCTIONS (AUST)

COMMUNICATIONS INSTALLATIONS  
-M 450

WIRELESS STATION C45/C45  
IN  
TRUCK, UTILITY, 3/4 TON, GS, FFW  
LAND ROVER SERIES 2, 109 IN WB

DATA SUMMARY

1. The installation is designed for use in the VHF band by R Aust Sigs units. The station can be operated whether the vehicle is moving or stationary. Provision has been made for operation of a single WS C45 installation in the ground role. A 1/2 ton trailer is used for the carriage of the charging set, aerial and cable laying gear, and other stowed items. A max crew of four will be carried.

2. The station consists of a dual WS C45 installation with associated power supply units, linked by items of Type B wireless control harness. The wireless equipment and control harness are mounted on a movable wooden table fitted across the rear compartment of the vehicle. A 'C' control unit is fitted on the dashboard. Four 12 V 75 Ahr batteries, which may be charged while the engine is running, are placed below the table. A 300 W charging set is provided for charging the batteries when the station is operating in the ground role. Rod aerials are provided for normal operation, and a 27 ft telescopic mast and aerial elevated 23 to 38 Mc/s may be used in static locations where extra range is required.

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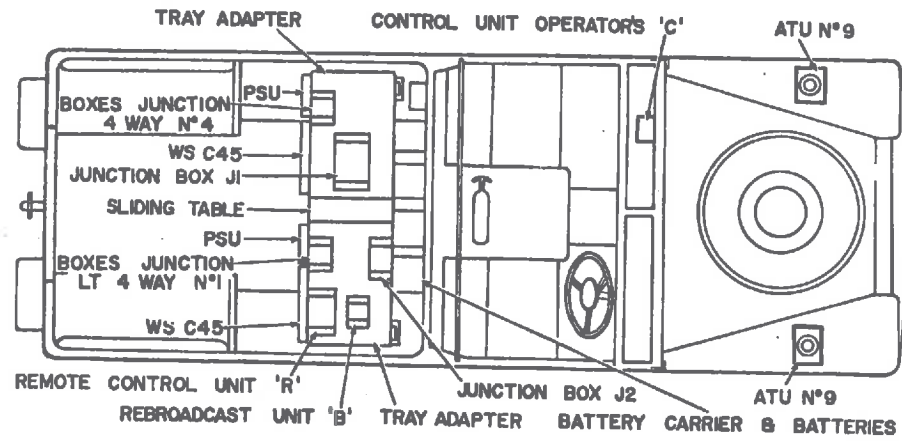


FIG 1 - WIRELESS STATION C45/C45 IN TRUCK UTILITY 3/4 TON, GS, FFW, LAND ROVER  
SERIES 2, 109 IN WB

3. Send-receive facilities are available from either of the two sets from any position in the vehicle. Rebroadcasting between the two sets is possible, and a measure of remote control is provided by a remote control hand telephone and a length of D10 twisted cable. The installation can be dismantled as a dual ground station or a single set ground station. Provision is made for emergency operation of the wireless equipment in the event of failure of the harness.

*PHYSICAL DATA*

4. *Weights:*

Complete installation including batteries, but excluding items carried in trailer	(approx)	730 lb
Batteries, each		88 lb

