ND MECHANICAL
CTIONS (AUST)

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C11

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Type B

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G050-21

WIRELESS STATION C11-R210/C11-R210
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 HF band by R Aust Sigs. It can be used while the vehicle is stationary or on the move. The wireless equipment consists of two one set installations operated independently. Either installation or both may be dismounted for use in the ground role. A max crew of four will be carried in the vehicle.

2. Each of the two single installations consists of a Wireless Sender C11 with power supply unit, and Reception Set R210, controlled by means of Type B wireless control harness units and all are mounted on a movable wooden table fitted across the rear compartment of the vehicle. A control unit 'C' is mounted on the vehicle dashboard and can be used by either installation. The vehicle rod aerials are mounted one on each side of the vehicle. A separate mounting is provided for each installation for ground station working. Aerial tuning unit No 7 is common to vehicle and ground station. A 34 ft vertical aerial kit is also provided for each installation. Four 12 V 75 Ah batteries, connected in series/parallel, are located below the table, and are on charge while the vehicle engine is running. Four spare batteries are carried in the trailer. Two keying units (Remote control units 'K') are provided.

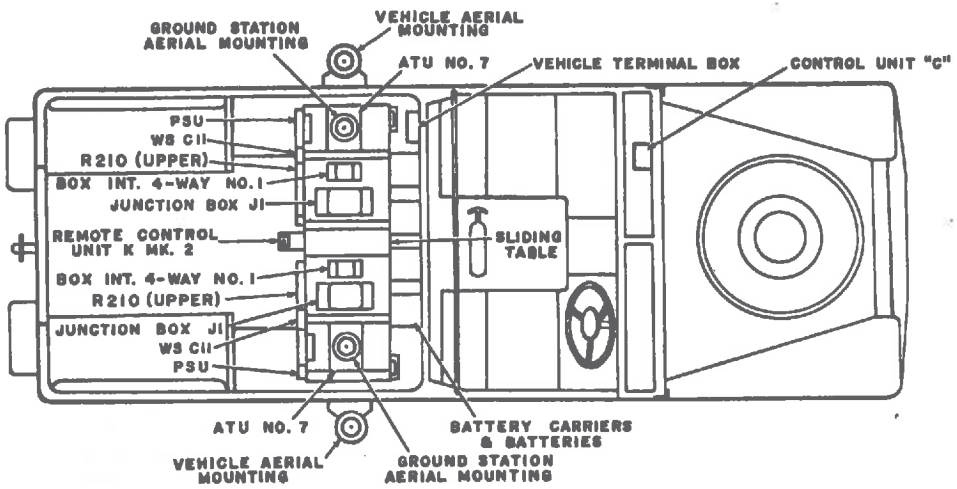

FIG 1 - WIRELESS STATION C11-R210/C11-R210 IN TRUCK, UTILITY, 3/4 TON, GS, FFW, LAND ROVER, SERIES 2, 109 IN WB

3. Send-receive facilities are available from two positions in the vehicles, one in the driving compartment opposite the passenger's seat, and one in the rear compartment. Keying facilities are available for operation within the vehicle or at a remote point. Remote operation is possible, but is limited by the length of D10 twisted cable supplied. Provision is made for emergency operation of either of the installations in the event of failure of the control harness. It is possible to dismount either or both of the installations for use on the ground. The aerial of each installation can be moved to a remote point with its ATU No 7.

PHYSICAL DATA

4. *Weights:* Complete vehicle installation, including batteries (88 lb each) — approx 1,240 lb

Stores carried in trailer (including 4 spare batteries, charging set at 110 lb, aerial gear etc) — approx 650 lb

5. FREQUENCY, MODULATION METHOD AND RANGE

Frequency (in Mc/s)	*Modulation Method*	*Range (in miles)*
WS C11 2 to 16 (in 3 ranges) Cont frequencies - Range 1 2 to 4 2 4 to 8 3 8 to 16	A1 (CW) A3 (AM)	(average terrain) HP (voice) 25 CW 50 LP (approx) 1/2 HP range

5. FREQUENCY, MODULATION METHOD AND RANGE (CONTD)

Frequency (in Mc/s)	*Modulation Method*	*Range (in miles)*
R210 2 to 16 (7 bands) Band 1 2.0 to 3.0 2 3.0 to 4.5 3 4.5 to 6.8 4 6.8 to 9.8 5 9.1 to 11.4 6 11.4 to 13.7 7 13.7 to 16.0	A1 (CW) A3/(AM)	As for WS C11

6. *Power Supply and Consumption*

WS C11	(one)	24 V dc	20 amps on 'send' (high power)
R210	(one)	24 V dc	2 amps on 'receive'

7. *Relevant EMEI's*

WS C11	TELS D 120 to D 129	Wireless Control Harness Type B
R210	TELS E 280 to E 289	TELS L 780 to L 789
Vehicle modification	VEH G 027-1	

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