

## AN/TRC-198(V)1 and AN/TRC-198(V)2 Line-of-Sight Multichannel Radio Terminal

NSN: 5820-01-349-9241 (AN/TRC-198(V)1)  
5820-01-349-9240 (AN/TRC-198(V)2)

Reference: TM 11-5820-1114-13-1

### General Information

The AN/TRC-198(V)1 and the AN/TRC-198(V)2 LOS Multichannel Radio Terminal is part of the contingency communications package (CCP) and is used with the contingency communications parent switch (CCPS). The AN/TRC-198(V)1 is a transportable radio communications link between other CCPSs, contingency communications extension switches (CCESs) and other MSE nodes. The AN/TRC-198(V)1 uses a maximum of three UHF radio sets which can be dismantled and used separately. The dismantled radio set is the AN/TRC-198(V)2. The shelterized version uses a standard S-250/G electrical equipment shelter transported on an M-1097, heavy shelter carrier HMMWV. A 200-amp alternator in the HMMWV provides DC power to the shelter, as an alternative to the primary power source, a PU-753/M, trailer-mounted, 10 kW, diesel generator.

### Technical Characteristics

Power Requirements: ..... Primary input power— 115 V AC,  
50 to 60 Hz, single phase  
Alternate DC power — 28 V DC  
Radio Transmission Data ..... UHF — 225 to 400 MHz (Band I)  
1350 to 1850 MHz (Band III)  
Transmission Capacity ..... Up to three simultaneous UHF transmissions

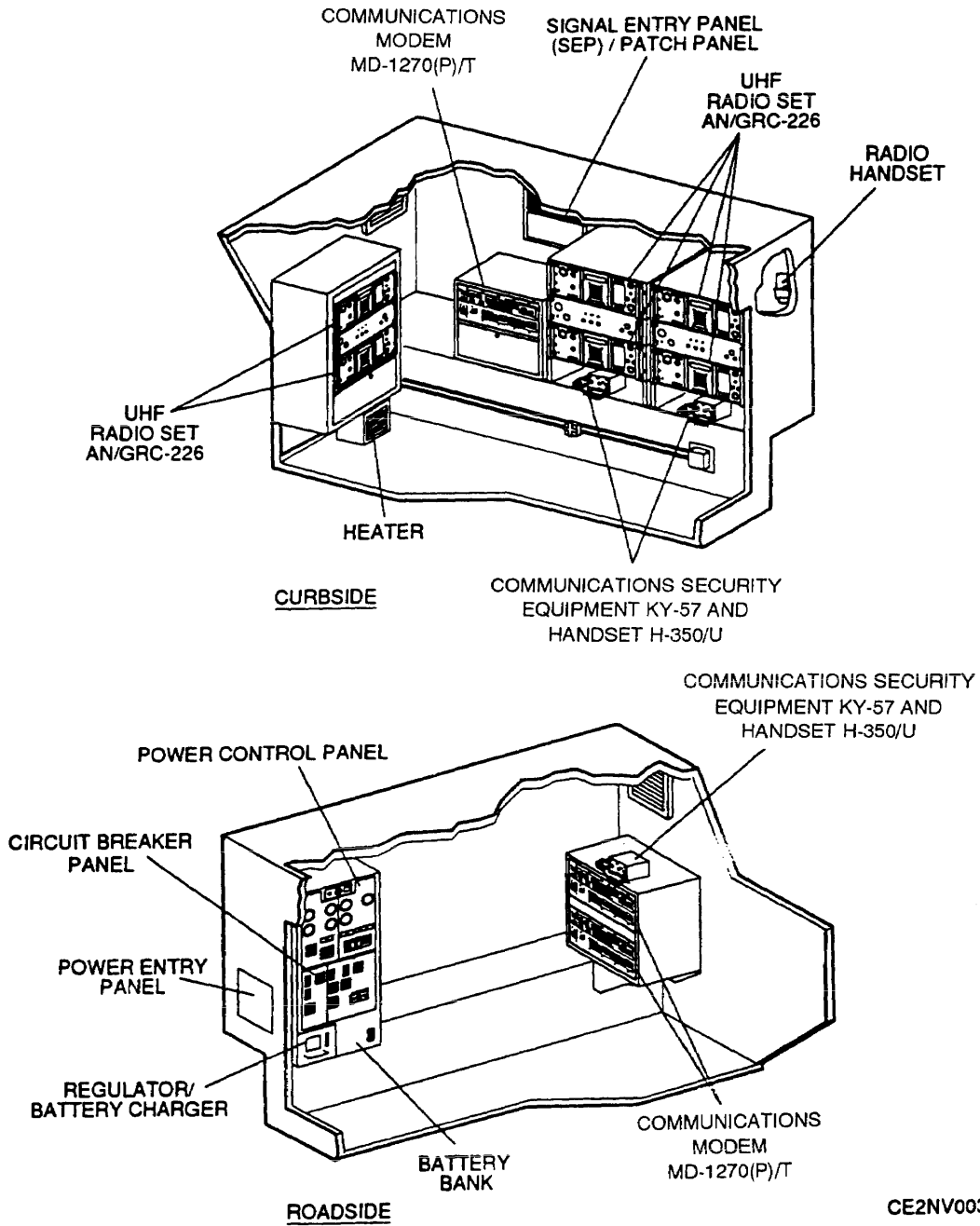
### Major Components

	(V)1	(V)2
HMMWV, 10,000 lbs	1	0
S-250/G shelter	1	0
Generator PU-753/M, 10 kW	1	0
VINSON COMSEC Unit KY-57	1	1
Electronic Transfer Device KYK-13	1	1
Telephone Handset	1	1
AN/GRC-226(V) Radio Set:	3	1
Baseband Unit	3	1
RF Unit, Band I	3	1
RF Unit, Band III	3	1

**Major Components  
(Cont.)**

	(V)1	(V)2
Antenna, Band I	3	1
Antenna, Band III	3	1
Antenna Mast, 15 meters	1	1
Telephone Handset	1	0
AC Power Cable, 35 feet	1	0
AC Power Stub, 15 feet	3	1
CX-11230A Coaxial Cable		
Internal Cables Set	1	0
Antenna Cables Set	3	1
Communication Modem MD-1270	2	1
Dismount (V)2 Kit:		
Communication Modem Case	0	1
Radio Case 1	0	1
Radio Case 2	0	1
DC Power Supply	0	1
Power Cable Set	0	1
Signal Cable Set	0	1
HVA-9	0	3

# AN/TRC-198(V)1 and AN/TRC-198(V)2 Mounted



# AN/TRC-198(V)1 and AN/TRC-198(V)2 Dismounted

