

AN/TRC-138 Radio Repeater Set

Status: STD-A; NSN: 5820-00-133-8841

Reference: TM 11-5820-773-15

General Information

The AN/TRC-138 is an air- or vehicular-transportable radio repeater which provides LOS capability in the corps area communications system. It terminates three 48-channel PCM voice systems when used in conjunction with telephone terminals such as the AN/TCC-62 or AN/TCC-73(V)1. The AN/TRC-138 is often used in 12/24 channel mode. The operating procedures are the same as for 48-channel operation. Three antenna assemblies, each consisting of Mast Assembly AB-621/G and Antenna AS-1425/GRC, are for the three equipment systems in the assemblage. The components for the antenna systems are stored in the shelter and power unit, PU-631/G. The AN/TRC-138 is modified to install Radio Set AN/VRC-46 and Power Supply PP-2953/U which are TOE components not supplied with the assemblage.

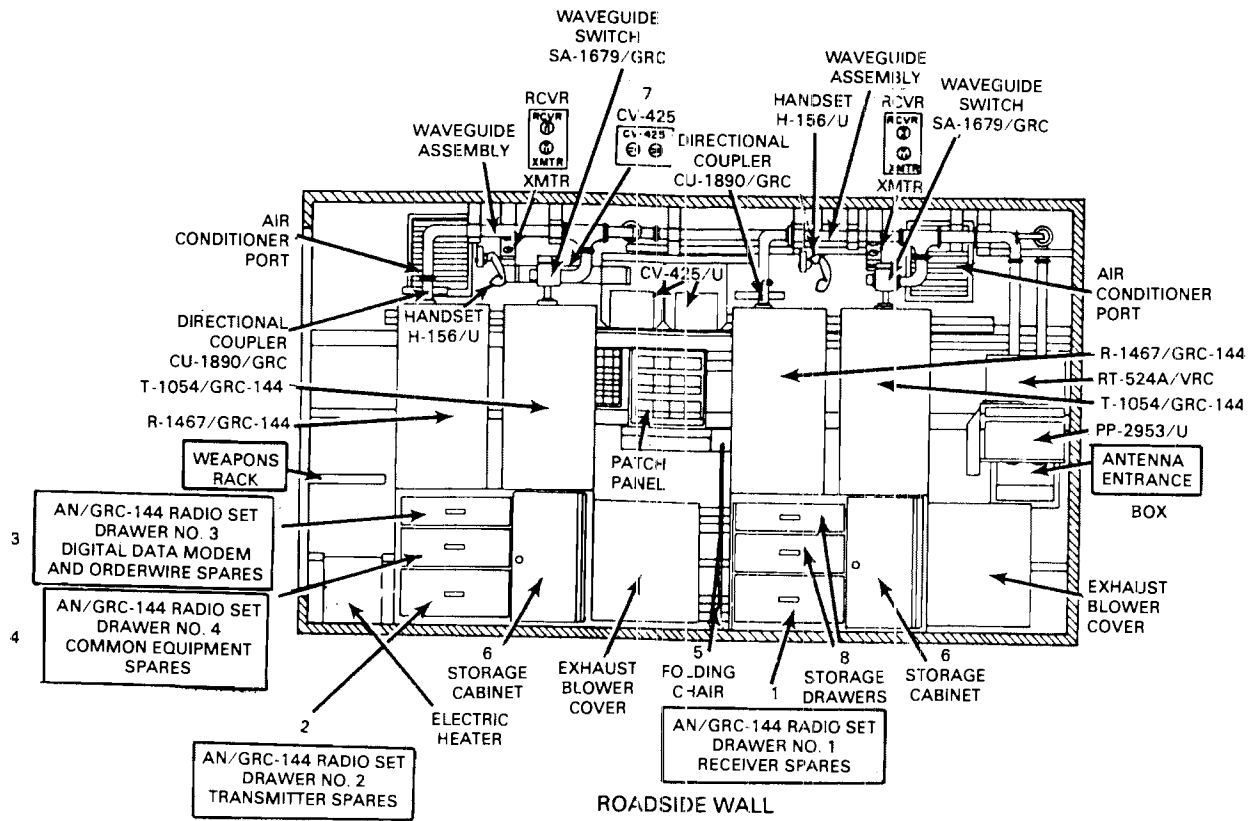
Major Components

1 Shelter S-393/TRC-138 (modified S-280/G)	3 Converters CV-425/U
3 Radio Sets AN/GRC-144	1 Intercommunications Station LS-147F/FI
1 Telephone Set TA-312/PT	

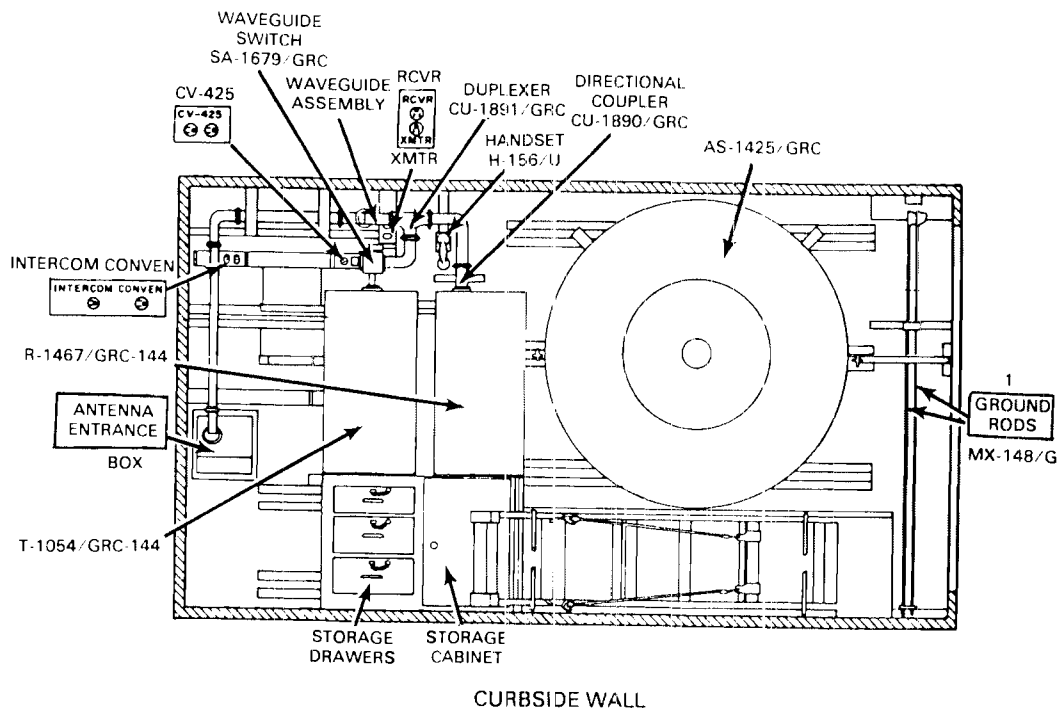
Technical Characteristics

Power Requirement-----115 V AC, 50 to 60 Hz
Power Consumption-----5 kw
Weight-----2,009 kg (4,425 lb)
Vehicular Requirement-----One 2 1/2-ton truck

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AN/TRC-138 Radio Repeater Set (continued)



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