

**AN/TRC-138
Radio Repeater Set**

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-61 or AN/TCC-73(V)1. The AN/TRC-138 is often used in 12/24-channel mode. The operating procedures are the same for Mast Assembly AB-621/G and Antenna AS-1425/GRC. 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-465 and Power Supply PP-2953/U which are table(s) of organization and equipment (TOE) components not supplied with the assemblage.

Major Components

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

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 1/2ton truck

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