

**AN/ARN-89, AN/ARN-89A, and AN/ARN-89B  
Direction Finder Sets**

Status: STD-A; NSN: 5826-00-790-6453 (AN/ARN-89)  
STD-A; NSN: 5826-00-151-2685 (AN/ARN-89A)  
STD-R; NSN: 5826-01-021-3289 (AN/ARN-89B)

Reference: TM 11-5826-227-20

**General Information**

The AN/ARN-89( ) is an airborne, low-frequency, radio direction finder which provides an automatic or manual compass bearing on any radio signal within the frequency range of 100 to 300 kHz. The inclusion of a BFO enables the set to provide an indication of keyed or constant carrier CW stations. The set is used in conjunction with a remote indicator to display the bearing of the aircraft relative to a selected radio transmission. Three modes of operation enable the system to function as an ADF, a manual direction finder, or as an AM communication receiver.

**Technical Characteristics**

Frequency Range-----100 to 3000 kHz  
Type of Tuning-----Continuous  
Type of Reception-----AM or CW  
Audio Output-----50 mw  
Power Requirement-----28 V DC +1, -7 at 1.5 A  
Antenna-----AS-2108/ARN-89 or AS-2108A/ARN-89  
Weight-----5.5 kg (12 lb)

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