

Radio Set SCR-( )-283 is intended for installation and operation in aircraft having 24-28 volt d-c power supply systems.

The frequency range of the receiver is 201-398 kc. and 2.5-7.7 mc. (Although it is technically possible to extend the ranges beyond these bands by the use of additional coil sets, the extension of the frequencies is not authorized for this radio set. Such additional coil sets have not been procured and cannot be furnished.)

The radio receiver may be used to receive modulated or damped-wave signals at any frequency within these ranges. Frequency range of the transmitter is 2,500 to 7,700 kilocycles, and it may be used to transmit unmodulated, tone-modulated, or voice-modulated signals.

Test equipment required for maintenance and tuning of the set includes Test Set I-56-K.

Army Supply Program requirements as of 1 December 1944 were 680 for the calendar year 1944.

POWER INPUT	300 WATTS @ 28 VOLTS
POWER OUTPUT	3 WATTS (peak)
FREQUENCY	201-398 KC 2500-7700 MC
TYPE OF SIGNAL	CW-MCW VOICE
RANGE	15 MILES

TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
2	45 Special	1	37
2	10 Special	1	38
4	39/44		



Radio Transmitter  
BC-AR-430



Dynamotor Unit  
BD-AR-93



Radio Receiver  
BC-AR-429



Coil Unit C-379



Radio Control Box  
BC-AR-231



Antenna Switching Relay  
BC-AR-408



Coil Set C-381



Radio Control Box  
BC-AR-532

RADIO SET SCR-( )-283

TOTAL WEIGHT 50 LBS.

Component	Nomenclature	Size	Weight
Dynamotor Unit	BD-( )-93	5" x 8" x 8"	10 Lbs.
Radio Transmitter	BC-( )-430	7" x 14" x 8"	11 Lbs.
Radio Receiver	BC-( )-429	9" x 16" x 8"	12 Lbs.
Mounting	FT-100		2 Lbs.
Mounting	FT-99		2 Lbs.
Coil Unit	C-400	12" x 8" x 7"	3 Lbs.
Coil Set	C-396	7" x 4" x 4"	1 Lb.
Mounting	FT-141		
Coil Sets	C-401 to C-405	12" x 6" x 7" (each)	1 Lb. (each)
Radio Control Box	BC-( )-231	4" x 5" x 3"	1 Lb.
Radio Control Box	PC-( )-231	4" x 5" x 3"	1 Lb.
Mounting	FT-118		2 Lbs.
Antenna Switching Relay	BC-( )-408	5" x 5" x 3"	2 Lbs.
Mounting	FT-118		2 Lbs.
Junction box	FM-( )-172	6" x 3" x 8"	3 Lbs.

and includes cables, plugs, and adapters.

March 1945