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## ELECTRICAL EQUIPMENT AND SUPPLIES

**INTERCHANGEABILITY OF COMPONENTS—RADIO SETS SCR-SERIES-183  
AND SCR-SERIES-283**

**NOTE** This Technical Order is published to provide information in ready-reference form regarding the interchangeability of the principal components of Radio Sets SCR-Series-183 and SCR-Series-283, and to facilitate the selection of an available, applicable component for use as a replacement when an identical component is not available.

## 1. The data are arranged as follows:

PRINCIPAL COMPONENTS	Figure 1
Antenna Relay Units	Figure 2
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See Following Charts

RESTRICTED  
T. O. No. 08-40SCR-1

Radio Set	Receiver	Transmitter	Dynamotor Unit	Receiver Control Box	Transmitter Control Box	Junction Box	Antenna Relay
SCR-AA-183	BC-AA-179	BC-AA-180	BD-AA-69	BC-AA-181	BC-AA-182	TM-AA-153	
SCR-AB-183	BC-AD-219	BC-AD-200	BD-AD-81	BC-AD-201	BC-AD-202	TM-AD-167	BC-AD-198
SCR-AC-183	BC-AB-199	BC-AB-200	BD-AB-69	BC-AB-201	BC-AB-202	TM-AB-167	BC-AB-198
SCR-AD-183	BC-AD-199	BC-AD-200	BD-AD-69	BC-AD-201	BC-AD-202	TM-AD-167	BC-AD-198
SCR-AE-183	BC-AE-229	BC-AE-230	BD-AE-83	BC-AE-231	BC-AE-232	TM-AE-172	BC-AE-198
SCR-AF-183	BC-AF-229	BC-AF-230	BD-AF-83	BC-AF-231	BC-AF-232	TM-AF-172	BC-AF-198
SCR-AG-183	BC-AG-229	BC-AG-230	BD-AG-83	BC-AE-231	BC-AE-232	TM-AE-172	BD-AE-198
SCR-AH-183	BC-AH-229	BC-AH-230	BD-AG-83	BC-AH-231	BC-AE-232	TM-AH-172	BC-AE-198
SCR-AJ-183	BC-AH-229	BC-AH-230	BD-AG-83	BC-AH-231	BC-AE-232	TM-AH-172	BC-AE-198
SCR-AK-183	BC-AH-229	BC-AH-230	BD-AK-83	BC-AH-231	BC-AE-232	TM-AH-172	BC-AE-198
SCR-AL-183	BC-AL-229	BC-AL-230	BD-AL-83	BC-AL-231	BC-AL-232	TM-AH-172	BC-AL-198
SCR-AN-183	BC-AN-229	BC-AN-230	BD-AN-83	BC-AN-231	BC-AN-232	TM-AH-172	BC-AN-198
SCR-AO-183	BC-AO-229	BC-AO-230	BD-AO-83	BC-AO-231	BC-AO-232	TM-AH-172	BC-AO-198
SCR-AP-183	BC-AP-229	BC-AP-230	BD-AP-83	BC-AP-231	BC-AP-232	TM-AH-172	BC-AP-198
SCR-AR-183	BC-AR-229	BC-AR-230	BD-AR-83	BC-AR-231	BC-AR-232	TM-AH-172	BC-AR-198
SCR-AS-183	BC-AS-229	BC-AS-230	BD-AS-83	BC-AS-231	BC-AT-232	TM-AH-172	BC-AS-198
SCR-AL-283	BC-AL-429	BC-AL-430	BD-AL-93	BC-AL-231	BC-AL-232	TM-AO-202	BC-AL-408
SCR-AN-283	BC-AN-429	BC-AN-430	BD-AN-93	BC-AN-231	BC-AN-232	TM-AO-202	BC-AN-408
SCR-AO-283	BC-AO-429	BC-AO-430	BD-AO-93	BC-AO-231	BC-AO-232	TM-AO-202	BC-AO-408
SCR-AQ-283	BC-AQ-429	BC-AQ-430	BD-AQ-93	BC-AQ-231	BC-AQ-232	TM-AO-202	BC-AQ-408
SCR-AR-283	BC-AR-429	BC-AR-430	BD-AR-93	BC-AR-231	BC-AR-232	TM-AO-202	BC-AR-408

Figure 1 - Principle Components of SCR-( )-183/283

	BC-AB-198	BC-AD-198	BC-AE-198	BC-AF-198	BC-AL-198	BC-AN-198	BC-AO-198	BC-AP-198	BC-AR-198	BC-AS-198	BC-AL-408	BC-AN-408	BC-AO-408	BC-AQ-408	BC-AR-408
BC-AB-198	X		X	X	X	X	X	X	X	X					
BC-AD-198		X													
BC-AE-198	X		X	X	X	X	X	X	X	X					
BC-AF-198	X		X	X	X	X	X	X	X	X					
BC-AL-198	X		X	X	X	X	X	X	X	X					
BC-AN-198	X		X	X	X	X	X	X	X	X					
BC-AO-198	X		X	X	X	X	X	X	X	X					
BC-AP-198	X		X	X	X	X	X	X	X	X					
BC-AR-198	X		X	X	X	X	X	X	X	X					
BC-AS-198	X		X	X	X	X	X	X	X	X					
BC-AL-408											X	X	X	X	X
BC-AN-408											X	X	X	X	X
BC-AO-408											X	X	X	X	X
BC-AQ-408											X	X	X	X	X
BC-AR-408											X	X	X	X	X

Figure 2 - Interchangeability of Antenna Relay Units

	TM-AA-153	TM-AB-167	TM-AD-167	TM-AE-172	TM-AF-172	TM-AH-172	TM-AO-202
TM-AA-153	X						
TM-AB-167		X					
TM-AD-167			X	X	X		
TM-AE-172			X	X			
TM-AF-172			X		X		
TM-AH-172						X	
TM-AO-202							X

Figure 3 - Interchangeability of Junction Boxes

x Interchangeable





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	MC-141	MC-142	MC-142-A	MC-143	MC-144	MC-144-A	MC-145-A	MC-148	MC-149	MC-154	MC-155	MC-186	MC-190	MC-199	MC-200	MC-280	MC-282	MC-322	MC-372	MC-390	
MC-141	X																				
MC-142		X																			
MC-142-A			X																		
MC-143				X																	
MC-144					X																
MC-144-A						X		X	X					X			X			X	
MC-145-A							X	X	X				X		X	X					X
MC-148						X		X	X					X			X			X	
MC-149							X	X	X				X		X	X					X
MC-154					X				X					X			X			X	
MC-155							X	X	X				X		X	X					X
MC-186												X									
MC-190							X	X	X				X		X	X					X
MC-199					X		X	X	X					X			X			X	
MC-200						X		X	X				X		X	X					X
MC-280						X		X	X				X		X	X					X
MC-282					X		X	X	X					X			X			X	
MC-322																			X		
MC-372					X		X	X	X					X			X			X	
MC-390							X	X	X				X		X	X					X

Figure 9 - Interchangeability of Dials

	BD-AA-69	BD-AB-69	BD-AD-69	BD-AD-81	BD-AE-83	BD-AF-83	BD-AG-83	BD-AK-83	BD-AL-83	BD-AN-83	BD-AO-83	BD-AP-83	BD-AR-83	BD-AS-83	BD-AL-93	BD-AN-93	BD-AO-93	BD-AQ-93	BD-AR-93	
BD-AA-69	X	X	X																	
BD-AB-69	X	X	X																	
BD-AD-69	X	X	X																	
BD-AD-81				X																
BD-AE-83					X															
BD-AF-83						X														
BD-AG-83							X	X	X	X	X	X	X	X						
BD-AK-83							X	X	X	X	X	X	X	X						
BD-AL-83							X	X	X	X	X	X	X	X						
BD-AN-83							X	X	X	X	X	X	X	X						
BD-AO-83							X	X	X	X	X	X	X	X						
BD-AP-83							X	X	X	X	X	X	X	X						
BD-AR-83							X	X	X	X	X	X	X	X						
BD-AS-83							X	X	X	X	X	X	X	X						
BD-AL-93															X	X	X	X	X	X
BD-AN-93															X	X	X	X	X	X
BD-AO-93															X	X	X	X	X	X
BD-AQ-93															X	X	X	X	X	X
BD-AR-93															X	X	X	X	X	X

Figure 10 - Interchangeability of Dynamotor Units

x Interchangeable

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	BC-AA-179	BC-AB-199	BC-AD-199	BC-AD-219	BC-AE-229	BC-AF-229	BC-AG-229	BC-AH-229	BC-AL-229	BC-AN-229	BC-AO-229	BC-AP-229	BC-AR-229	BC-AS-229	BC-AL-429	BC-AN-429	BC-AO-429	BC-AQ-429	BC-AR-429
BC-AA-179	X	X	X																
BC-AB-199	X	X	X																
BC-AD-199	X	X	X																
BC-AD-219				X															
BC-AE-229					X														
BC-AF-229						X													
BC-AG-229							X												
BC-AH-229								X	X	X	X	X	X	X					
BC-AL-229								X	X	X	X	X	X	X					
BC-AN-229								X	X	X	X	X	X	X					
BC-AO-229								X	X	X	X	X	X	X					
BC-AP-229								X	X	X	X	X	X	X					
BC-AR-229								X	X	X	X	X	X	X					
BC-AS-229								X	X	X	X	X	X	X					
BC-AL-429															X	X	X	X	X
BC-AN-429															X	X	X	X	X
BC-AO-429															X	X	X	X	X
BC-AQ-429															X	X	X	X	X
BC-AR-429															X	X	X	X	X

Figure 11  
Interchangeability of Receivers

x Interchangeable

All Receiver Calibration Charts bearing the dial calibration for the frequency range of the receiver coil set or coil unit being used are completely interchangeable, however, the calibration shown on any chart is only approximately correct when used with a coil set or coil unit bearing a type number other than the one shown on the chart.

Figure 12 - Interchangeability of Transmitters

x Interchangeable

	BC-AA-180	BC-AB-200	BC-AD-200	BC-AE-230	BC-AF-230	BC-AG-230	BC-AH-230	BC-AL-230	BC-AN-230	BC-AO-230	BC-AP-230	BC-AR-230	BC-AS-230	BC-AL-430	BC-AN-430	BC-AO-430	BC-AQ-430	BC-AR-430	
BC-AA-180	X																		
BC-AB-200		X																	
BC-AD-200			X																
BC-AE-230				X															
BC-AF-230					X														
BC-AG-230						X													
BC-AH-230							X	X	X	X	X	X	X						
BC-AL-230							X	X	X	X	X	X	X						
BC-AN-230							X	X	X	X	X	X	X						
BC-AO-230							X	X	X	X	X	X	X						
BC-AP-230							X	X	X	X	X	X	X						
BC-AR-230							X	X	X	X	X	X	X						
BC-AS-230							X	X	X	X	X	X	X						
BC-AL-430														X	X	X	X	X	
BC-AN-430														X	X	X	X	X	
BC-AO-430														X	X	X	X	X	
BC-AQ-430														X	X	X	X	X	
BC-AR-430														X	X	X	X	X	

It is recommended that a transmitter be used only with the transmitter coil set used in calibrating it, except in case of emergency.