

FIELD SERVICE

SERVICE INFORMATION LETTER 7-63

DATE: 5-14-63

EQUIPMENT TYPE: RECEIVER 51S-1

SUBJECT: REDUCED HUM IN AUDIO OUTPUT WITH USE OF 28-VOLT
D-C POWER SUPPLY

Audio output hum from 400 cps a-c power operation becomes noticeable if the operational techniques are such that the audio gain control is set at or near maximum and the r-f gain control is used to control the signal level. Wherever surrounding noise conditions require full audio gain advance in addition to full r-f gain advance, it is recommended that, if possible, 28 volt d-c power be used in preference to 400 cps a-c power. The power source to be used, however is left to the discretion of the user.

A 28 volt d-c power supply is available which can be directly interchanged with the a-c power supply.

The 28-volt d-c versions of Receivers 51S-1 and 51S-1F have type designations 51S-1A and 51S-1AF.

The Collins part numbers of the 51S-1A/1AF and the 28-volt power supply with mounting hardware and power cord are as given below. Price and delivery information on these components can be obtained from Collins Radio Company, Ground Communications Product Line, Cedar Rapids, Iowa.

<u>Description</u>	<u>Collins Part Number</u>
Receiver 51S-1A, 28 volt d-c, cabinet model	522-2546-00
Receiver 51S-1AF, 28 volt d-c, rack mounted model	522-3156-00
Power supply assembly, 28 volt d-c	554-8355-00

