



DATAFILE BULLETIN

FILE UNDER: Receivers
 ER-42-A, B & C
 BULLETIN NO 1086-4
 DATE: November 1967

Equipment: 406—470 MHz MASTR Professional Receivers

Symptom: **AUDIO OUTPUT TRANSISTOR FAILS**

Cause: Negative voltage spikes, induced in the supply lead by external transients.

Factory Solution:	Model Number	Revision
	19E500866-G1—4 (used in 4ER42A10—45)	A
	" (used in 4ER42C10—45)	A
	19E500866-G5—8 (used in 4ER42B10—45)	A
	" (used in 4ER42D10—45)	A

This revision added a diode in series with the +12 VDC supply lead to prevent negative spikes from reaching the output transistor. See Figure 1.

Field Solution: The diode should be added to receivers which do not have it, as shown in Figure 1. Connect the anode lead to J443-11 and the cathode lead to the brown wire from the audio output transformer. Use sleeving where necessary.

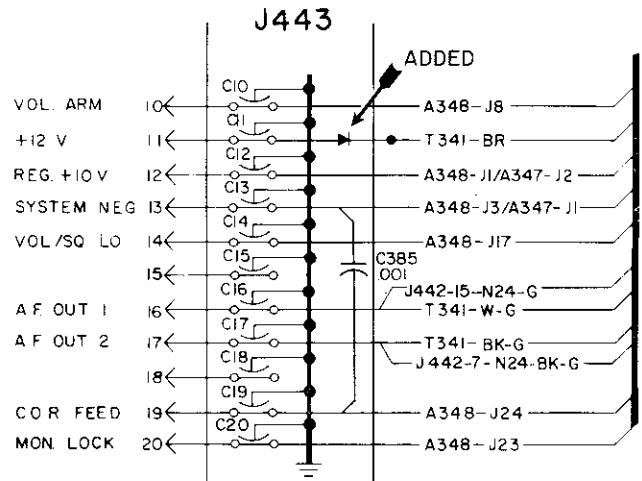


Figure 1 - Showing Diode Added

Ordering Info:	Symbol Number	GE Part No.	Description
	CR401	4037822-P1	Diode, silicon: PIV 400, sim to SC4.