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Cobra 138XLR / 139XLR Technical Bulletin 1209B

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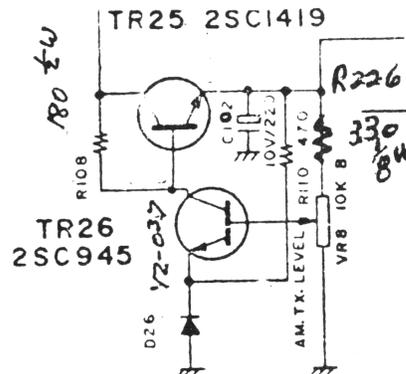
COBRA FIELD BULLETIN

SUBJECT: REVISION OF BULLETIN 1209 AND 1209A. D-26
SHORTING ON THE COBRA 138/139XLR.

SYMPTOM: VERY WEAK POWER OUT OR NO A.M. TRANSMIT.
D-26 FOUND BAD.

SOLUTION:

1. CHANGE D-26 FROM A 5VOLT ZENER DIODE TO A 3.7V ZENER DIODE, DYNASCAN PART NO 152-084-9-001.
2. CHANGE R-108 FROM 270 OHM $\frac{1}{2}$ WATT TO 180 OHM, $\frac{1}{2}$ WATT, DYNASCAN PART NO 002-102-9-181.
3. ADD A 330 OHM $\frac{1}{8}$ WATT RESISTOR, DYNASCAN PART NO 002-108-5-331 FROM TOP OF VR8 A.M. TRANSMIT ADJUST TO EMITTER OF TR25. THE RESISTOR IS ADDED ON THE FOIL SIDE, CUTTING THE FOIL SO THE RESISTOR IS IN SERIES WITH VR8 AND THE EMITTER OF TR25. THE SCHEMATIC SYMBOL FOR THE RESISTOR IS R226.



4. ADJUST VR8 FOR 4 WATTS OUTPUT ON A.M. TRANSMIT

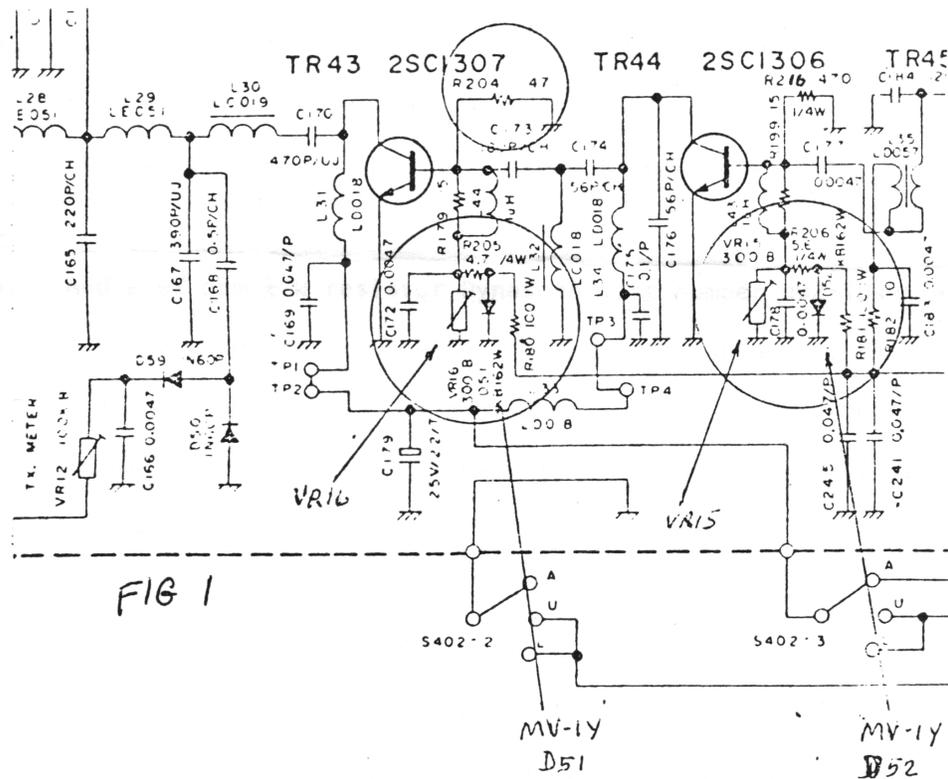
NOTE: 1. THIS MODIFICATION SHOULD BE DONE ON ALL RADIOS IN FOR IN-WARRANTY REPAIR.

2. CHANGING D-26 TO A 3.7V ZENER IS NECESSARY UP TO PRODUCTION NUMBER 70029001 ON THE COBRA 138XLR AND UP TO PRODUCTION NUMBER 70020000 ON THE COBRA 139XLR. UNITS BEYOND THIS ALREADY CONTAIN THE MODIFICATION.

3. ADD R226 IS APPLICABLE UP TO PRODUCTION NUMBER 70022000 ON THE COBRA 138XLR AND UP TO PRODUCTION NUMBER 7000600 ON THE COBRA 139XLR. UNITS BEYOND THESE ALREADY CONTAIN THE MODIFICATION.

#1209B
DDW/pc
6/21/77

- NOTE:**
1. This modification should be done on all units that come in for warranty repair.
 2. This modification is applicable up to Production number 70003500 on the Cobra 138XLR and up to Production number 70003000 on the Cobra 139XLR units. Beyond these numbers, already contain this modification.



DDW/jg
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