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Cobra 67LTD Technical Bulletin 1284

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PARTS AND SERVICE GROUP

DYNASCAN CORPORATION

Cobra Communications

TECHNICAL BULLETIN

Number 1284

September 10, 1985

3 Pages

TO: COBRA CB WARRANTY STATIONS

MODELS AFFECTED: 67LTD

SYMPTOMS: Car radio audio is heard from Automobile speakers instead of CB Audio when using a CA-63 Monitor Accessory with a 67LTD (Turned on and with NO Squelch).

CAUSE: The relay control circuit in the 67LTD causes the CA-63 relay to be de-energized when it should be energized. This condition causes the car radio Audio to be connected to the car speakers instead of the Audio from the 67LTD.

ACTION: Reverse the switching logic of the 67LTD relay control circuit by replacing the PNP device at Q15 with an NPN device. Increase the resistance at R70 and remove the resistor at R71 to improve low temperature operation.

DETAILS OF CHANGE:

1. Remove both covers of the base unit by removing 8 screws.
2. Unsolder, remove and discard 4.7k ohm resistor at R71. (See attached diagram.)
3. Install and solder a short jumper wire at R71.
4. Unsolder, remove and discard 10k ohm resistor at R70. (See attached diagram.)
5. Install and solder a 20K ohm 1/4 watt resistor (Dynascan P/N 002-104-5-203) at R70.

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6. Unsolder, remove and discard MPS9681 at Q-15 (see attached diagram).
7. Install and solder an MPS9418T transistor (Dynascan P/N 176-115-9-004) at Q-15, observing REVERSE POLARITY (ie, E of new transistor in hole marked C, and C of new transistor in hole marked E. The B lead of the new transistor will still be in the hole marked B).
8. Replace both covers with 8 screws.
9. Check for proper CA-63 operation.

**Production
Change Point:**

LOT 704

This Field Bulletin Applies To All Units With A Serial Number Less Than 0004047.

**Units Affected Are From Ser. #0000001 Thru Ser. #0004047.
This Bulletin Applies Only To Units Sent In For Repairs.*

67 LTD
 BASE PCB 401055-B
 PARTS LAYOUT

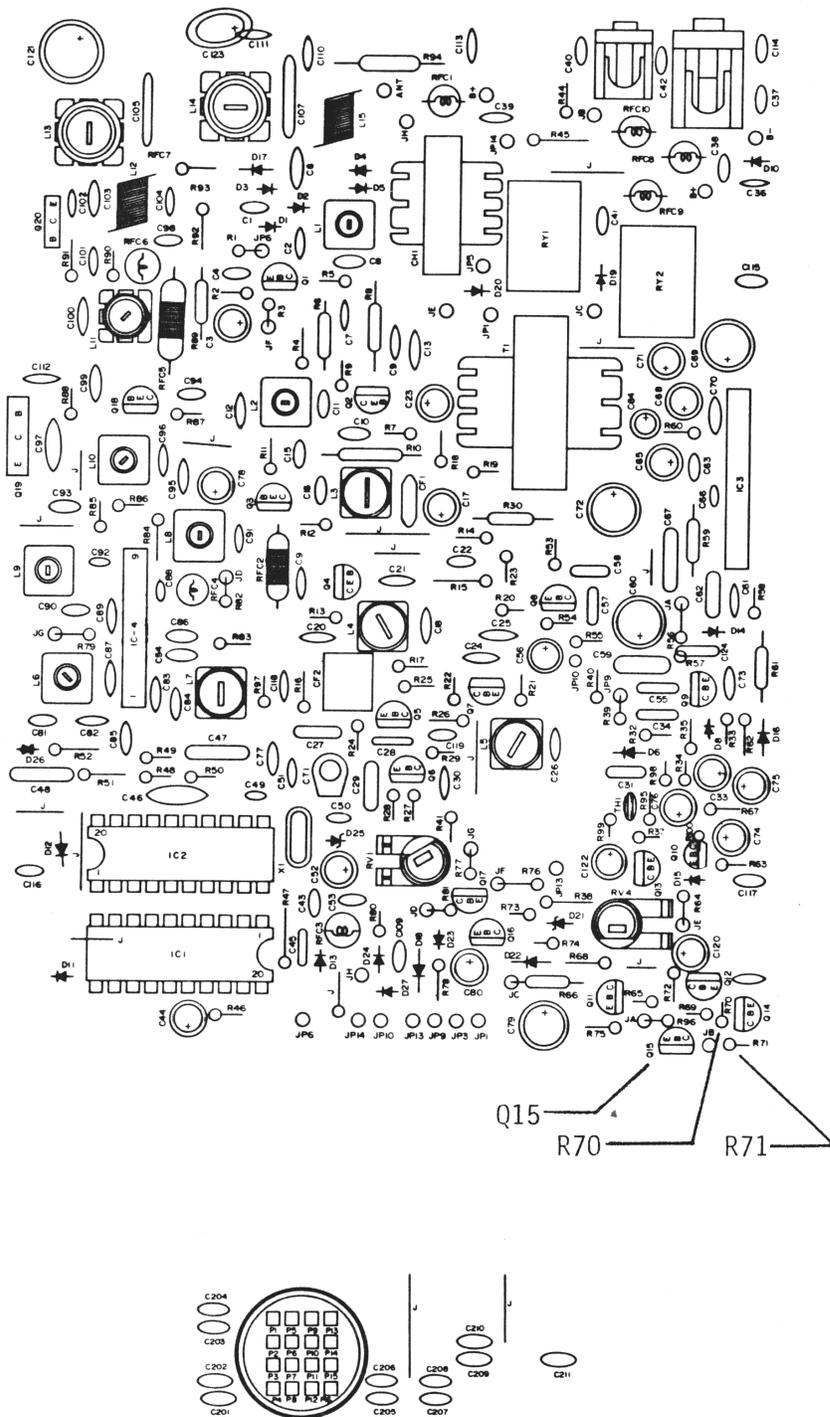


FIG. 1