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**Cobra 138XLR / 139XLR Technical Bulletin 1208A**

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### COBRA FIELD BULLETIN

SUBJECT: Revision of Bulletin 1208. TR43 & TR44 Burnout.

SYMPTOM: No transmit on A.M. or S.S.B. TR43 found defective.

- SOLUTION:
1. Remove R204 10 ohm  $\frac{1}{2}$  watt resistor.
  2. Remove C-181 47 $\mu$ f capacitor.
  3. Remove C-232 180pf capacitor.
  4. Change R-180 from 56 ohm 2 watt to 100 ohm 1 watt, Dynascan part number 002-001-6-101.
  5. Change R205 from 1 ohm  $\frac{1}{4}$  watt to 4.7 ohm  $\frac{1}{4}$  watt, Dynascan part number 002-104-5-479.
  6. Add a 47 ohm  $\frac{1}{4}$  W resistor Dynascan part number 002-104-5-470. Schematic symbol to be R204. From base to ground of TR43 final.
  7. Add a 470 ohm  $\frac{1}{4}$  watt resistor Dynascan part number 002-104-5-471 schematic symbol 216 from base to ground of TR-44 driver.
  8. Change R181 to 100 ohms 1 watt. Dynascan part number 002-001-6-101.
  9. Change D51 from a KB162 W diode to a MV-1Y diode Dynascan part number 004-175-9-001. White dot indicates cathode side.
  10. Change D52 from a KB162W to a MV-1Y Dynascan part number 004-175-9-001. White dot indicates cathode side.
  11. Set driver idle current to 40mA at TP3, TP4 by adjusting control VR15.
  12. Set final idle current to 15mA at TP1, TP2 by adjusting control VR16.

