

SERVICE BULLETIN

MODEL: DWIGHT D AND ZACHARY T

COMPLAINT: FAILURE OF D201, D202, D203, D204 (1N4001 or SR1K-1)

CORRECTIVE ACTION:

Occasional reports are received indicating failure of D201, D202, D203 and D204 in the Dwight D and Zachary T. You will find this results from one or a combination of the following causes:

1. Inadequate allowance for air flow around transceiver so that overheating occurs.
2. Mike gain operated at too high a setting resulting in high duty cycle requiring excess current from power supply during transmitting.
3. Extensive periods of transmitting so that intermittent design rating of power supply is exceeded.

When it is found necessary to replace these diodes, the replacement parts should be mounted using the full lead length supplied (1 to 1½ inches) on the replacement parts. High temperature sleeving must be placed over the leads of each diode to prevent shorting. Mounting the diodes "in the air" with full leads will substantially increase the heat dissipation capability of the parts and prevent future failure.

NUMBER: VO18-12-78

MODEL: Veep

COMPLAINT: Failure of TR-15 (p/n 2000-208)

CORRECTIVE ACTION:

When it is necessary to replace the final RF power amplifier transistor, TR-15 (p/n 2000-208) the white ceramic insulator (p/n 3400-401) should be replaced with a mica insulator (p/n 3400-211). Make certain an ample quantity of thermal compound or silicon grease is used on the new parts.

This change should be made only on units in which TR-15 has failed.