

S E R V I C E N O T ESUPERSEDES
3960-6**HP 3960 TAPE RECORDER
POWER SUPPLY BRACKET CHANGE****DISCUSSION:**

Service Note 3960-6 called out the wrong part number for replacement of A15-Q1 and A15-Q10.

Failures in the A15 Power Supply Card have been attributed to the inability of the non-anodized aluminum bracket to transfer heat from the transistor mounted on it. Further failures are related to the mechanical stress placed on the transistors when mounted on this bracket. The bracket can be replaced with a black anodized aluminum bracket, HP Part Number 03960-00600, which will improve the power supply reliability. In the event the power supply, which now has the aluminum bracket, should fail, it is recommended that the bracket be replaced, plus all three transistors mounted on it.

PARTS AFFECTED:

1. Bracket, Black Anodized, HP Part Number 03960-00600
2. A15-Q1, A15-Q10, NPN Transistors, HP Part Number 1854-0300
3. A15-Q7, PNP Transistor, HP Part Number 1853-0073
4. Thermal Joint Compound, HP Part Number 6040-0239

IMPLEMENTATION:

The following is a step-by-step procedure to install a new anodized bracket:

1. Remove A15 Power Supply Assembly (refer to Paragraph 9-76 in the "3960 Operating and Service Manual").
2. Discard transistors A15-Q1, A15-Q7 and A15-Q10 and their existing insulators. Retain mounting hardware.

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3. Remove and discard non-anodized aluminum bracket.
4. Install new anodized aluminum bracket and transistors using a liberal amount of thermal joint compound, type 120, Wakefield Engineering or equivalent, HP Part Number 6040-0239, between bracket and transistors. The correct torque for the transistor mounting hardware is 1-1/2 inch ounces. This must not be exceeded.