

TMC SPECIFICATION

NO. S 1347

REV:

COMPILED: R. UZZO

CHECKED:

APPD:

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SHEET

OF

TITLE:

KIT417

Distortion and Power Modification for HFTA-1KJ2

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PURPOSE:

To improve distortion and power ratings, the following modifications must be performed. (Refer to CK2126 for a pictorial guide)

MMX(A)-2

- 1a. A line exist on Pin Z of (P2106) (J119). This wire must be removed and soldered into Pin P of (P2106)(J119). This leaves Pin Z open to facilitate MWC23(7)U5 of CA1802 (See CK2126 sheet 1 of 2).
- 1b. On switch marked S106 Wafer H Rear, break lines to lugs 5 & 6, and insert two (2) diodes 1N645 in places of these lines. Connect one from lug 5 and one from lug 6 and bring line (MWC26(7)U1) out to Pin (z) of J119 (refer to CK2126).
- 1c. On switch marked S106 Wafer G Rear, break lines to lugs 3 & 4 and insert two (2) diodes 1N645 in place of these lines. Connect one from lug 3 and one from lug 4 and bring line (MWC24(7)U5) out to Pin (Z) of J119 (Refer to CK2126).

TLAA-1K

1. Remove assembly A4909 lifting all connections holding sub-assembly. Return assembly A4909 to The Technical Materiel Corporation.
2. Drill one (1) 6-32'sink 82° hole on side plate MS5968 for exact location refer to CK2126.
3. Install AX787 sub-assembly.
 - a. Solder MWC24(7)U1 from terminal lug 4 to J1003 connector Pin M.
 - b. Solder MWC24(7)U5 from terminal lug 3 to J1003 connector Pin L.
 - c. Solder MWC24(7)U4 from terminal lug 3 to A4879 (A1001) connector Pin 5.
 - d. Connect existing white/brown wire from A4878-Pin 1 to terminal lug 2.
 - e. Connect existing white/yellow wire from A4879-Pin L to terminal lug 1.
 - f. Connect C7 (5600pf) to A4807(A1007) L1, and connect T1 to C1218 (refer to CK2126).

INTERFACING

1. Position CA1802 along existing cabling, one side direct to MMX(A)-2 P2106, and the other side to TLAA-1K cable connector P2003. Use CU142-10 as required.
2. P2106 connector (rear of MMX(A)-2) must be opened and the brown wire from CA1802 soldered to Pin (X) and the green wire soldered to Pin (W).
3. P2003 (rear of TLAA-1K) connectot must be opened and the brown wire soldered to Pin M and the green wire soldered to Pin L.

MODIFY A4879 (A1001 OVLD)

1. On A4879/PC600 OVLD Printed Circuit Board (A1001) open land between CR6 and CR7 and insert one diode (1N645).
2. Add (1) resistor RC42GF102J (2 watt, 1K) as shown in CK2126. Bring out land to connector finger 5.

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AP152

Located in the AP152 High Voltage Power Supply, A4875 must be modified. CK2126 sheet 2 of 2 gives a physical representation of A4875. A schematic is also provided, showing electrical connections before and after the modification.