

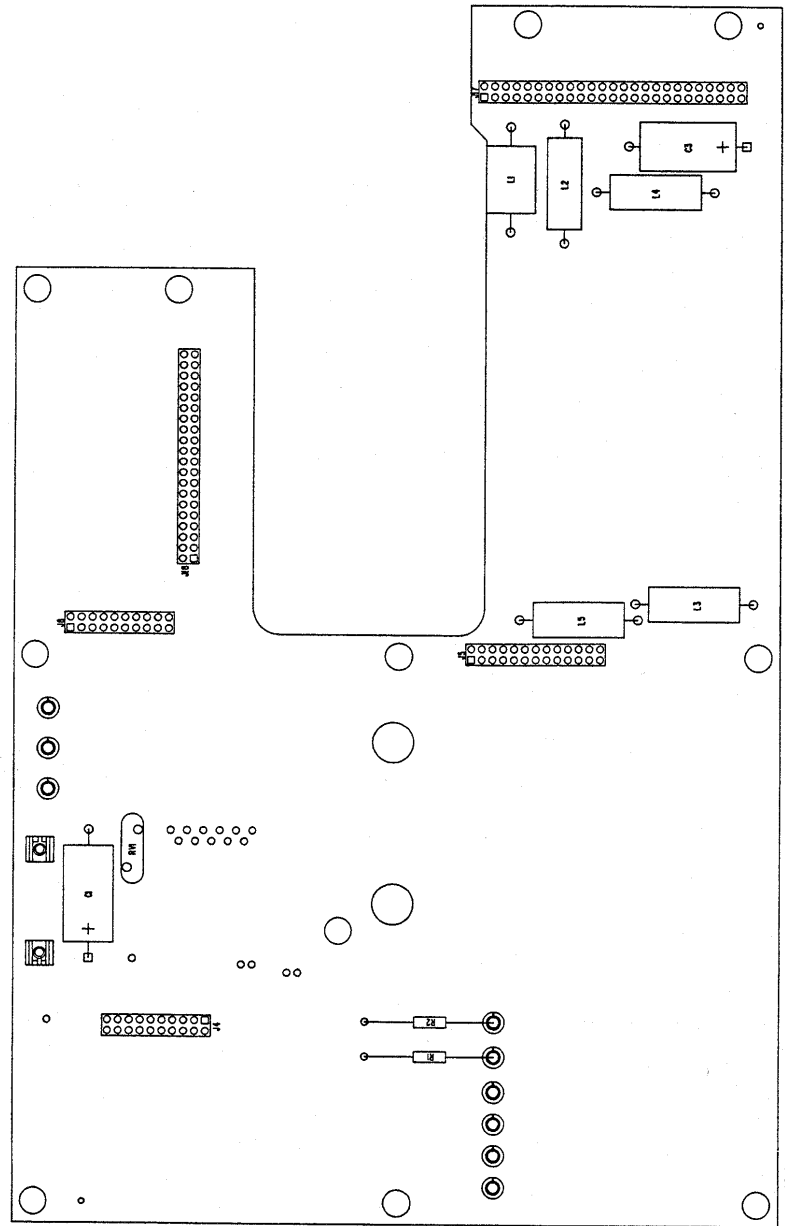


This word document contains figures representing the schematics for the Receiver Transmitter RT-1401B. These figures are scanned images from section V of the maintenance manual part number 006-05342-0002, Revision 2 dated June 1994. It should be noted that those pages "Intentionally Left Blank" were not scanned and are therefore not included here.

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MAINTENANCE MANUAL
RT-1401B RECEIVER-TRANSMITTER



I.B. 21401B-1

Interconnect Board 3606464-0501

5-6
Jan/91

Figure 1 5-06 Interconnect.TIF

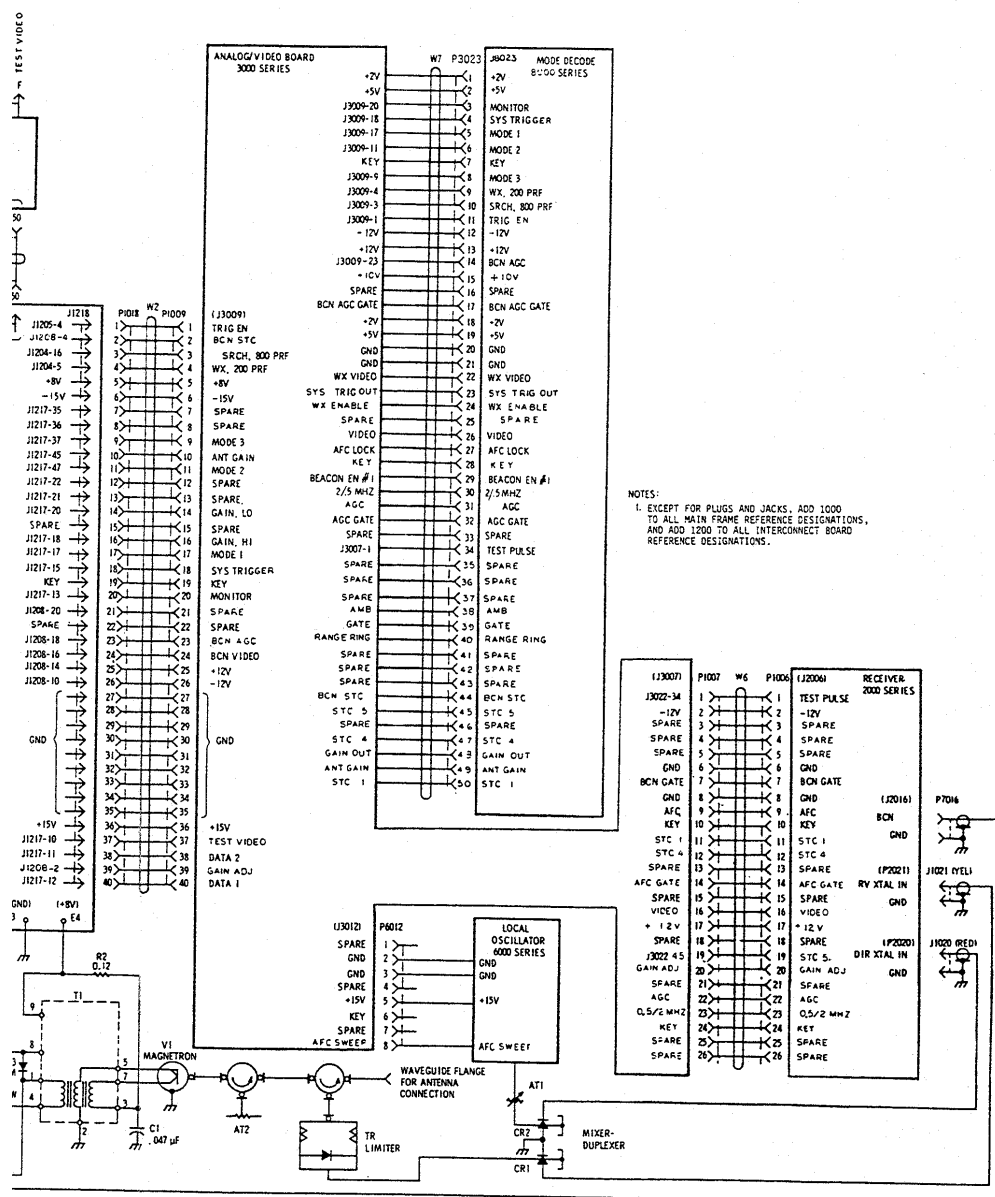
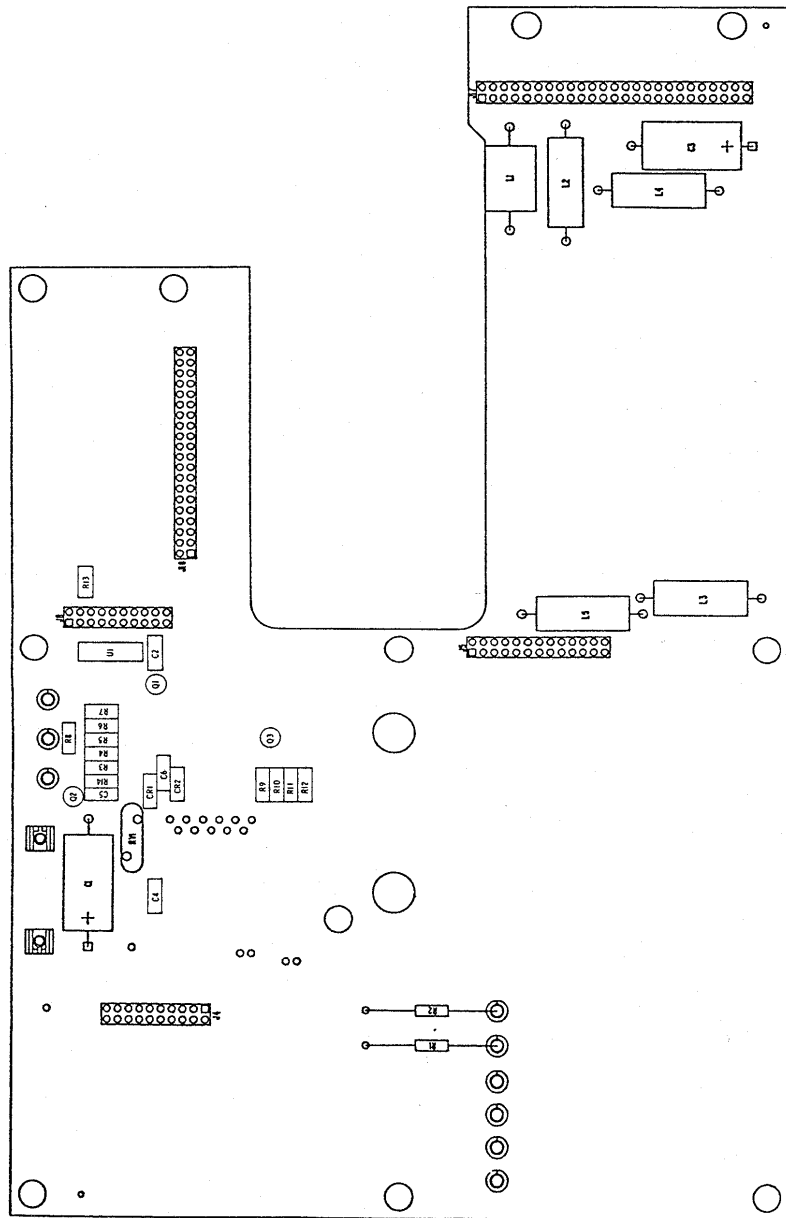


Figure 3 5-08 Main Frame Interconnect.TIF

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RT-1401B RECEIVER-TRANSMITTER



NOTES:
1. ADD INFO TO ALL REFERENCE DESIGNATIONS.
2. COMPONENTS ARE IDENTIFIED BY THE FOLLOWING:
3. (U) INTEGRAL CIRCUIT, (R) RESISTOR, (C) CAPACITOR.

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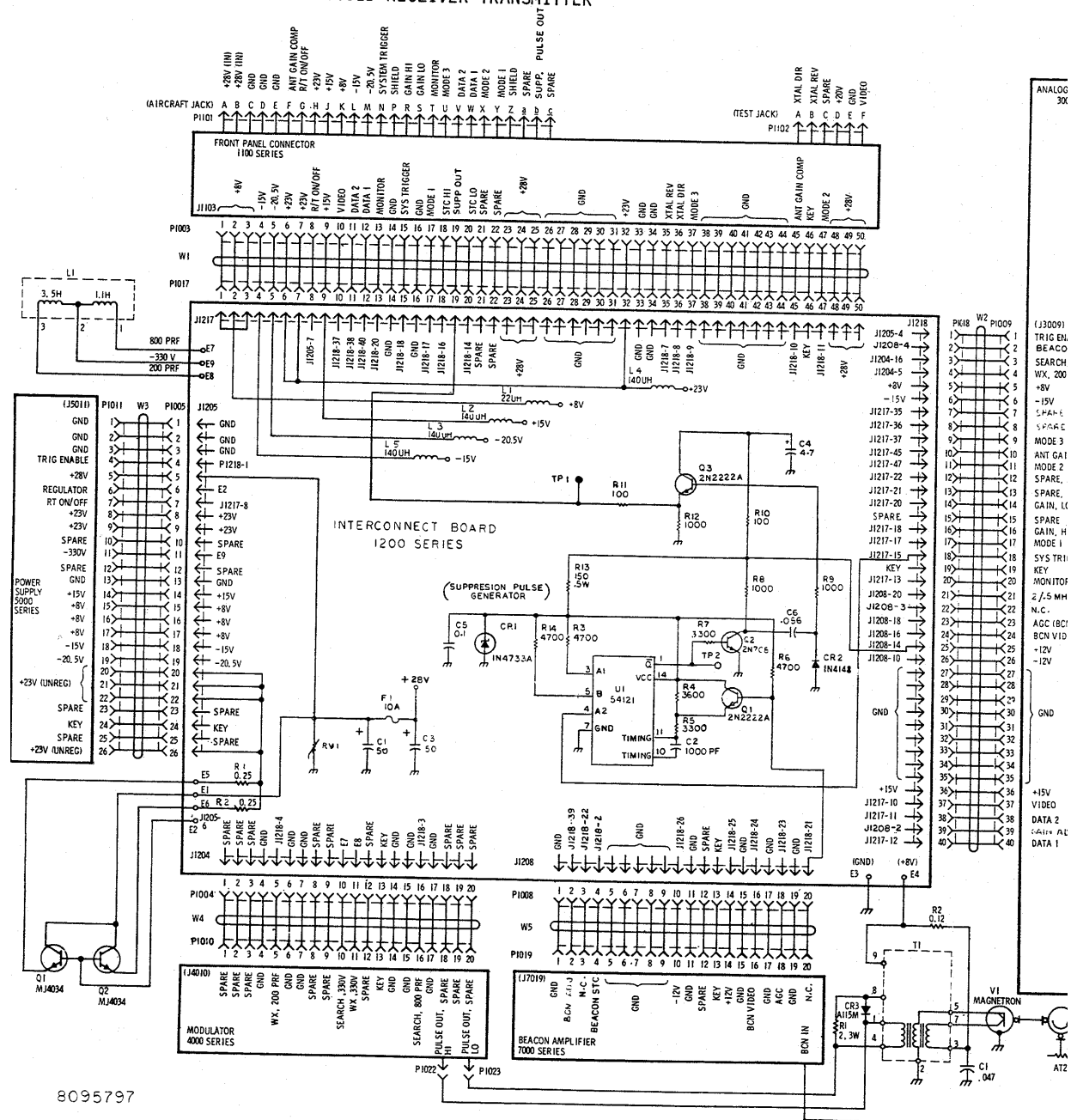
Interconnect Board 3606464-0502

5-8.2
May/92

Figure 4 5-08-2 Main Frame Interconnect.TIF

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**MAINTENANCE MANUAL
RT-1401B RECEIVER-TRANSMITTER**



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I.B. 21401B-1

Main Frame Interconnect Board, Schematic Diagram
Figure 5-1.1

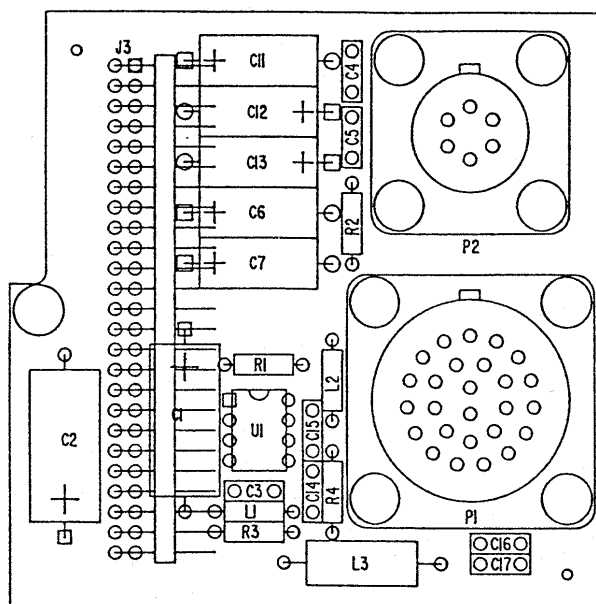
5-8.3/5-8.4
May/92

Figure 5 5-08-3 Main Frame Interconnect.TIF



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RT-1401B RECEIVER-TRANSMITTER



A8063139

NOTES:

1. ADD 1100 TO ALL REFERENCE DESIGNATIONS.
2. (11) HUMISEAL 1B31.
3. (12) HUMISEAL THINNER 503.

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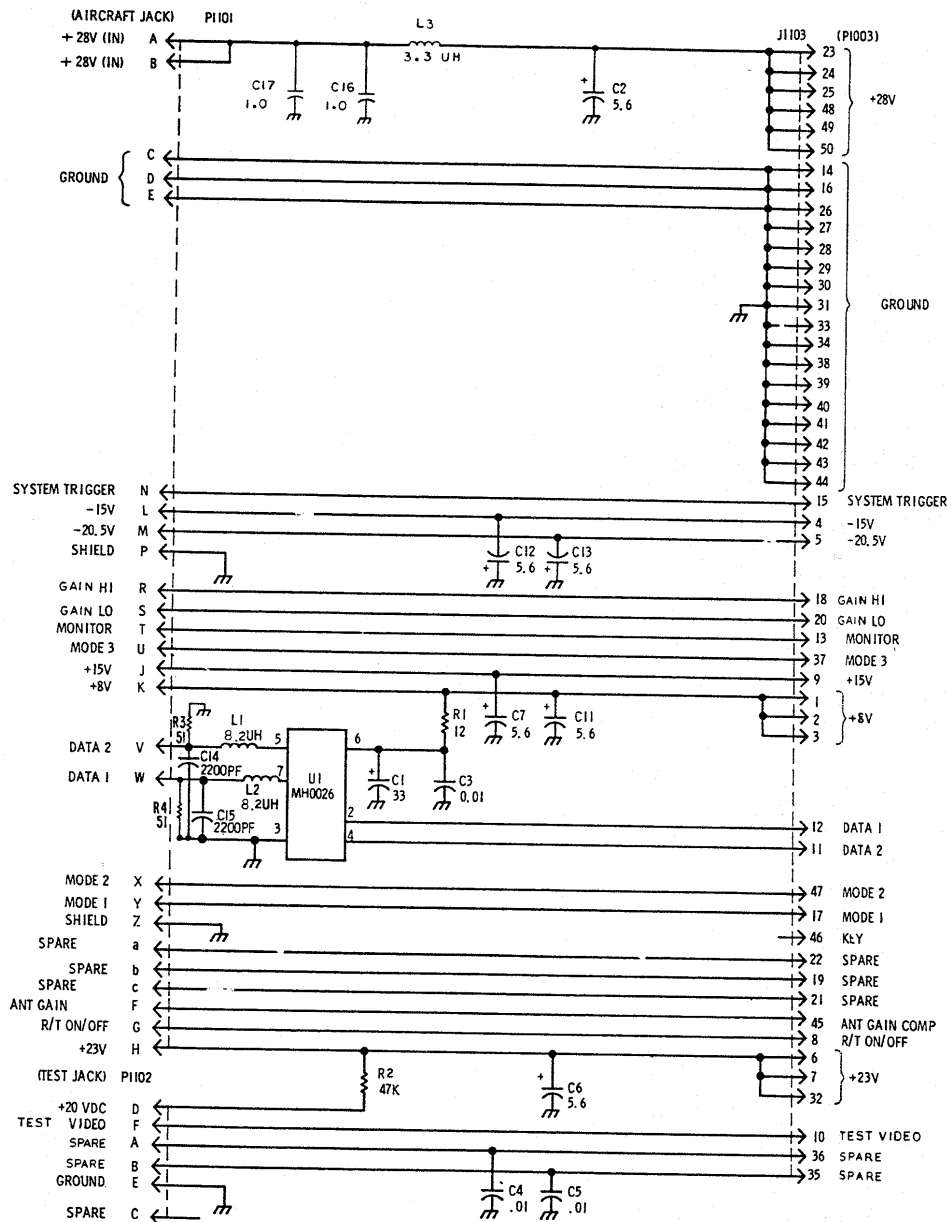
Front Panel Connector Board 3606465-0501

5-10
May/92

Figure 7 5-10 Front Panel Connector.TIF

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RT-1401B RECEIVER-TRANSMITTER

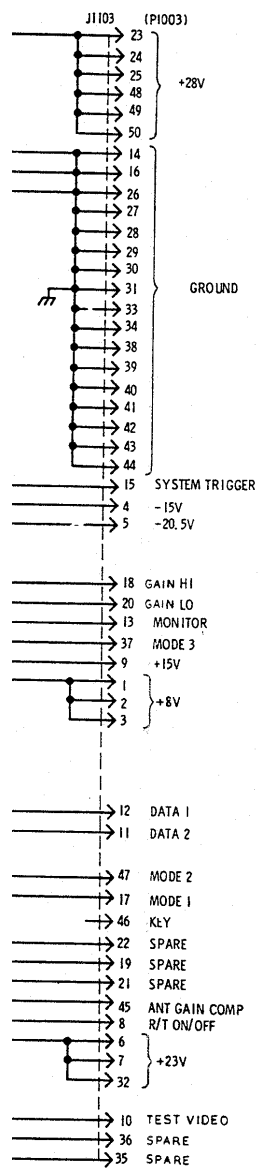


I.B. 21401B-1

Front Panel Connector Board, Schematic Diagram
Figure 5-2

5-11/5-12
Jan/91

Figure 8 5-11 Front Panel Connector.TIF



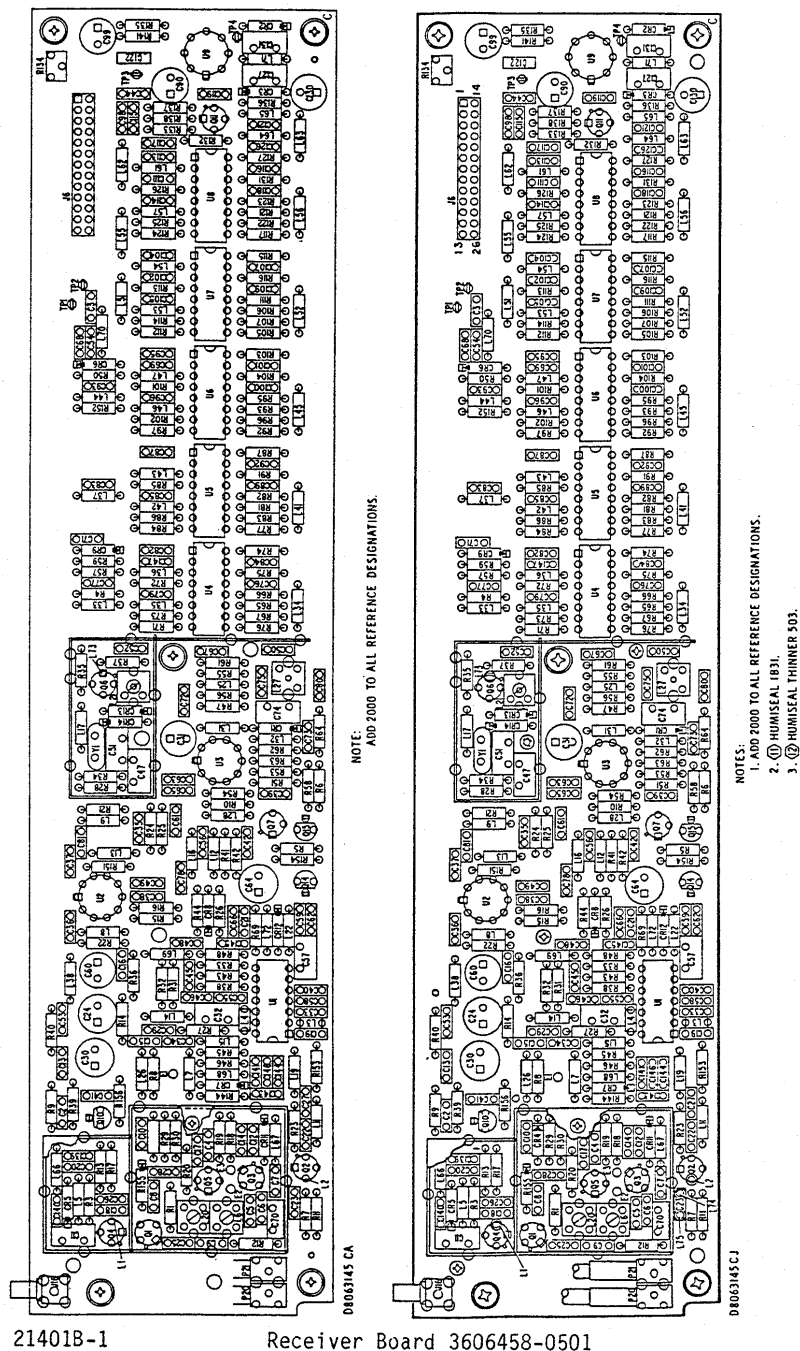
NOTES:

1. EXCEPT FOR PLUGS AND JACKS, ADD 1100 TO ALL REFERENCE DESIGNATIONS.
2. UNLESS OTHERWISE STATED, ALL RESISTANCE IN OHMS, 1/4W; AND CAPACITANCE IN MICROFARADS.

Figure 9 5-12 Front Panel Connector.TIF

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RT-1401B RECEIVER-TRANSMITTER



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Receiver Board 3606458-0501

5-14
May/92

Figure 10 5-14 Receiver Board.TIF

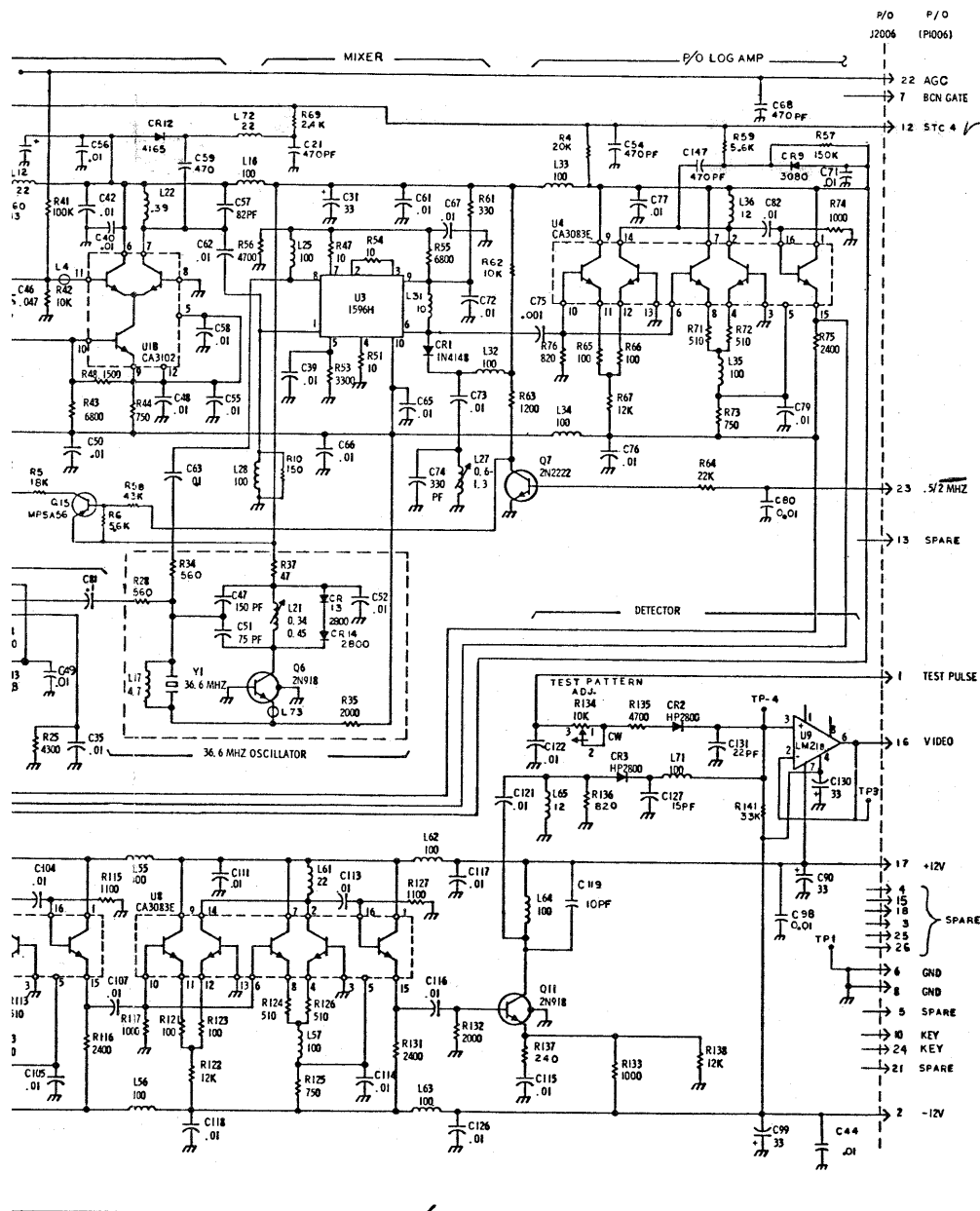
MAINTENANCE MANUAL
RT-1401B RECEIVER-TRANSMITTER



Receiver Board, Schematic Diagram
Figure 5-3

5-15/5-16
May/92

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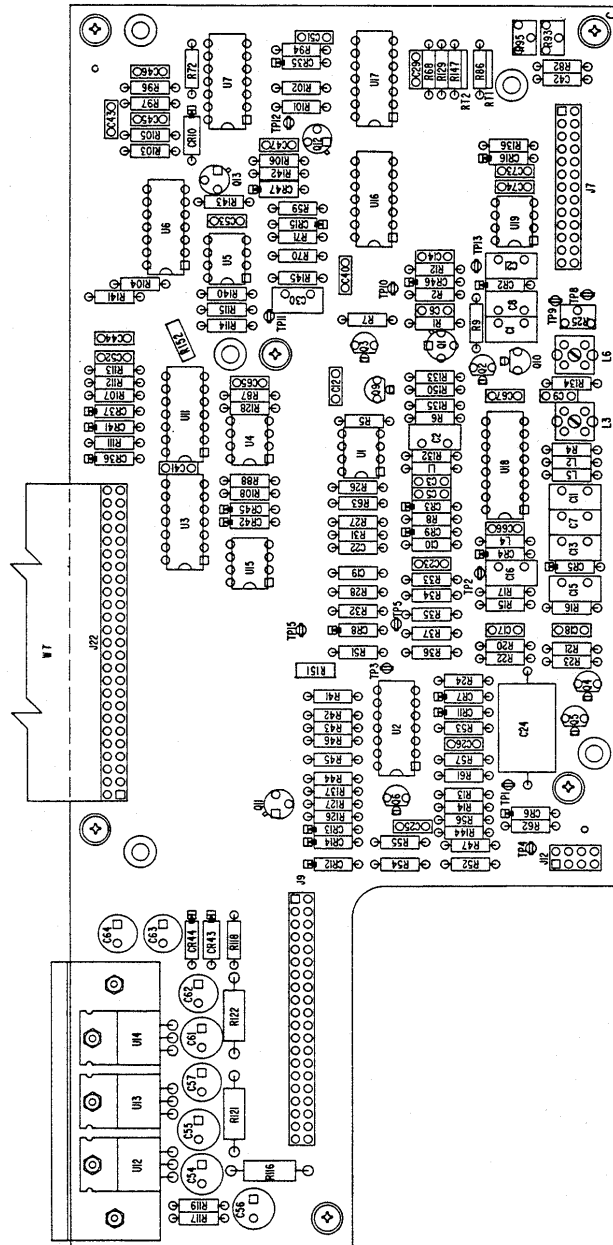


NOTES:
1. ALL RESISTORS IN OHMS.
CAPACITORS IN MICROFARADS
AND INDUCTORS IN MICRONERIES
UNLESS OTHERWISE STATED.
2. EXCEPT FOR PLUGS AND JACKS
ADD 2000 TO ALL REFERENCE
DESIGNATIONS.
3. NEXT CIRCUIT SYMBOL TO BE
USED FOR COMPONENT ADDITIONS
R157, C148, U10, G16, CR15, L76.

Figure 12 5-16 Receiver Board.TIF

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RT-1401B RECEIVER-TRANSMITTER



C8063141 C0

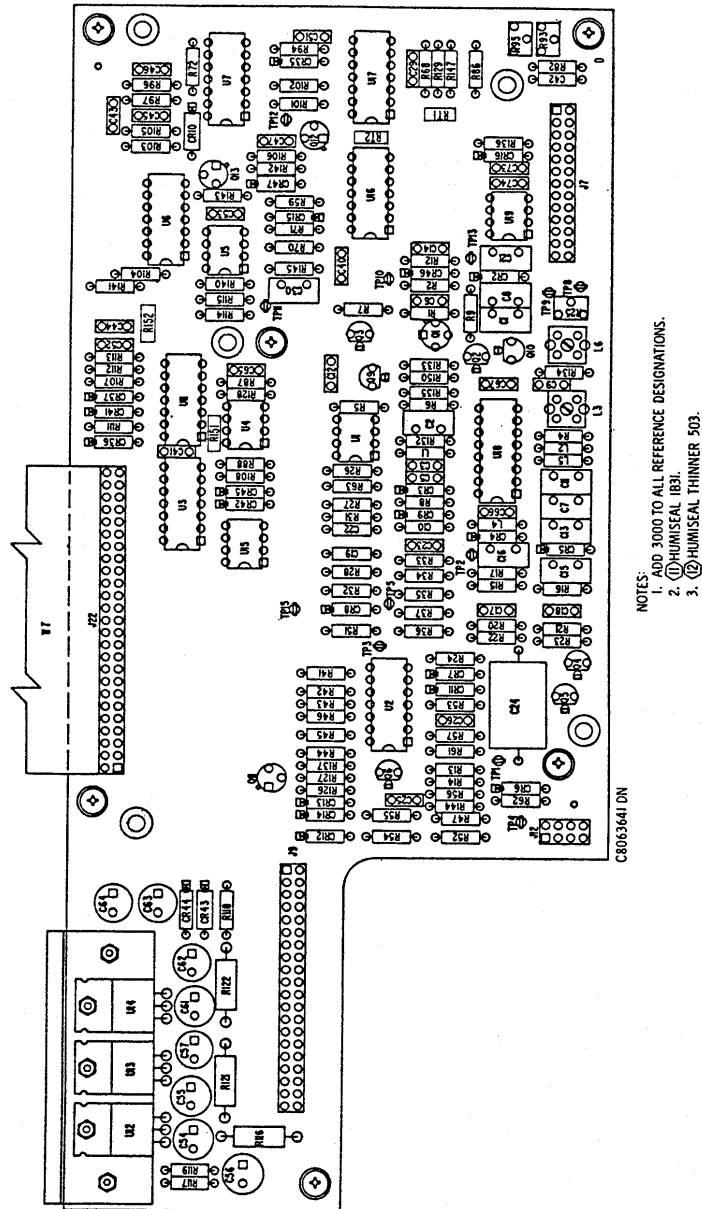
I.B. 21401B-1

Analog/Video Board 3606459-0501

5-18
Jan/91

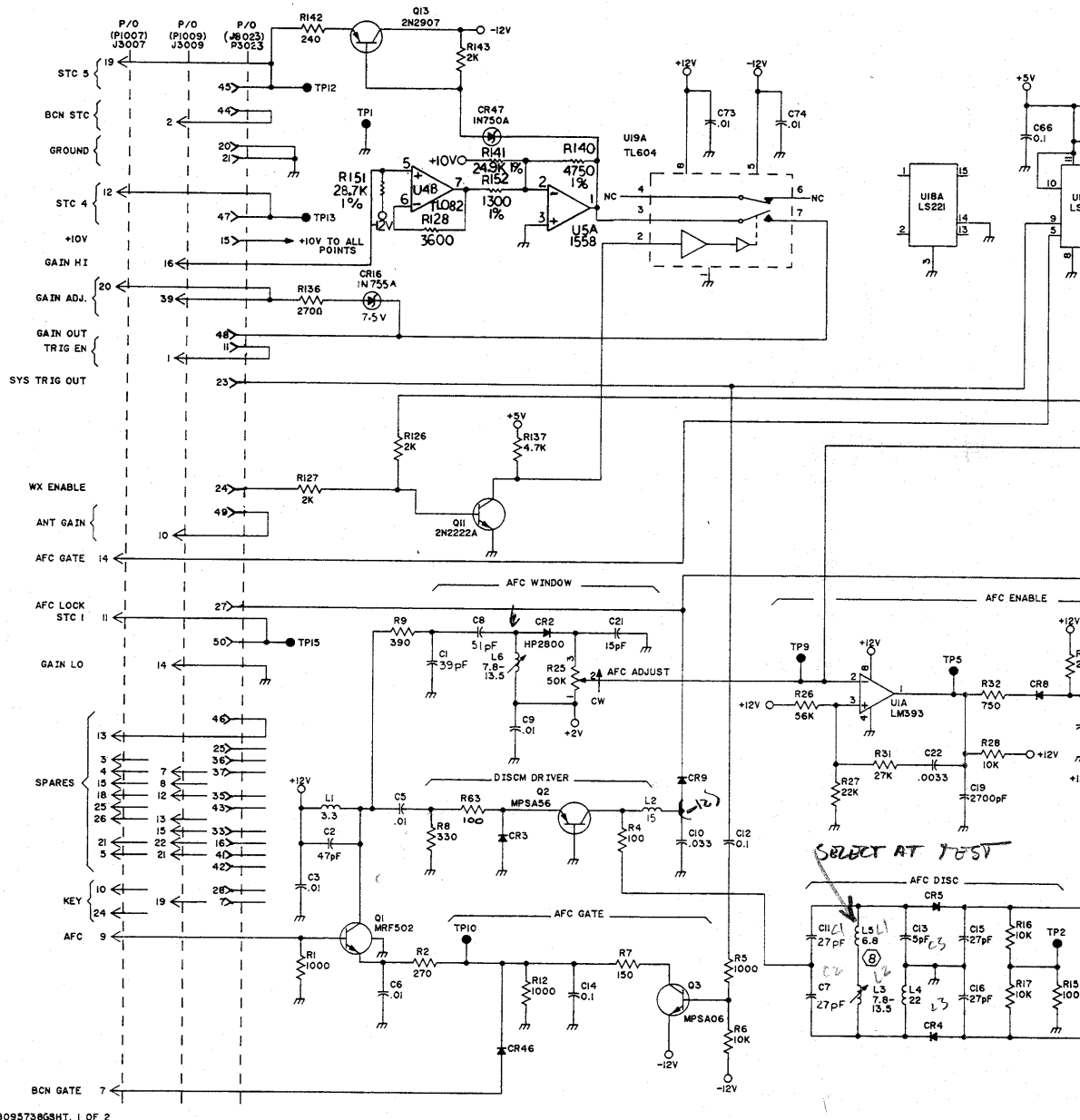
Figure 13 5-18 Analog Video.TIF

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RT-1401B RECEIVER-TRANSMITTER



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**MAINTENANCE MANUAL
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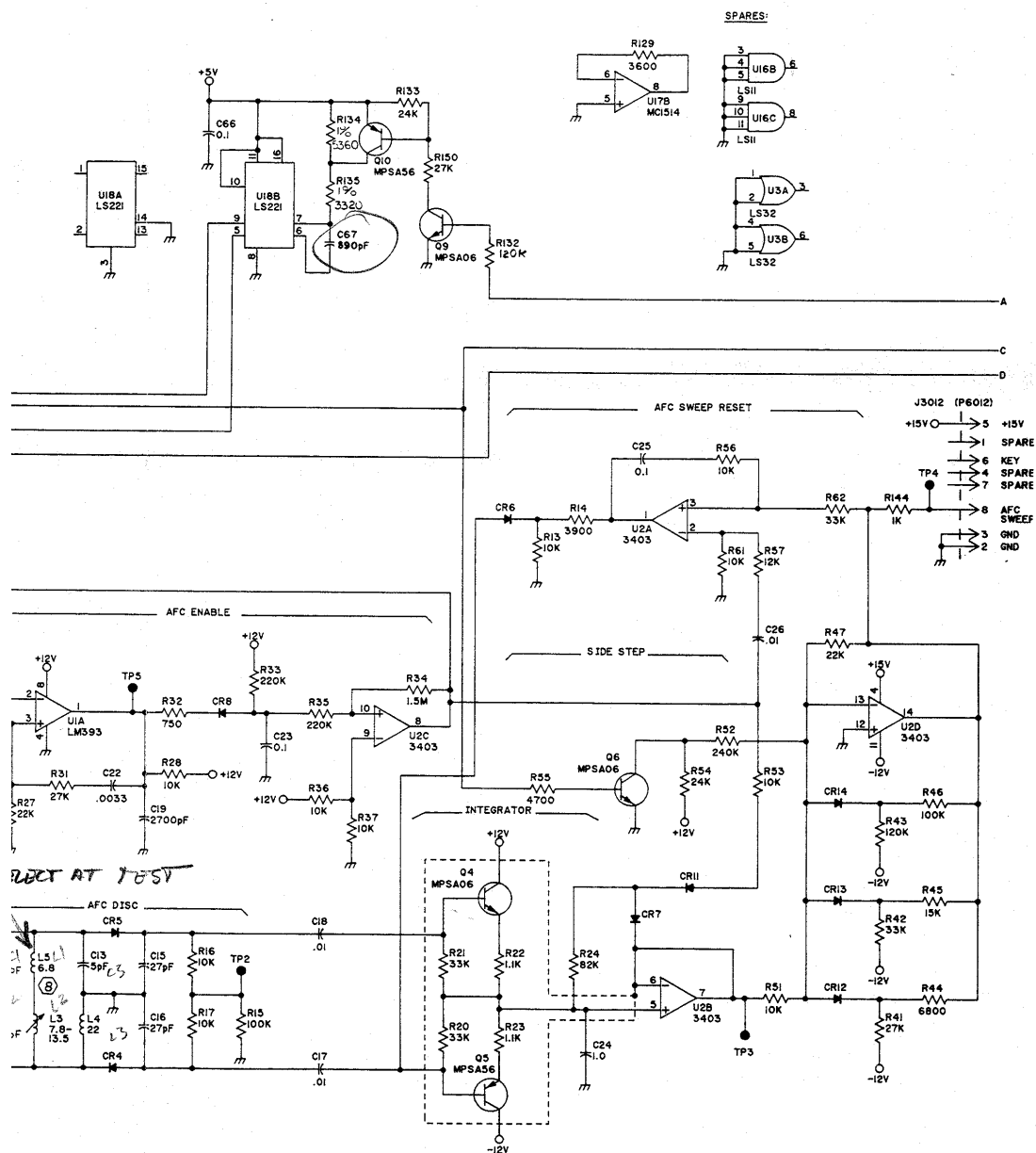
809573865HT. 1 OF 2

I.B. 21401B-1

Analog/Vide Board, Schematic Diagram
Figure 5-4 (Sheet 1 of 2)

5-19/5-20
May/92

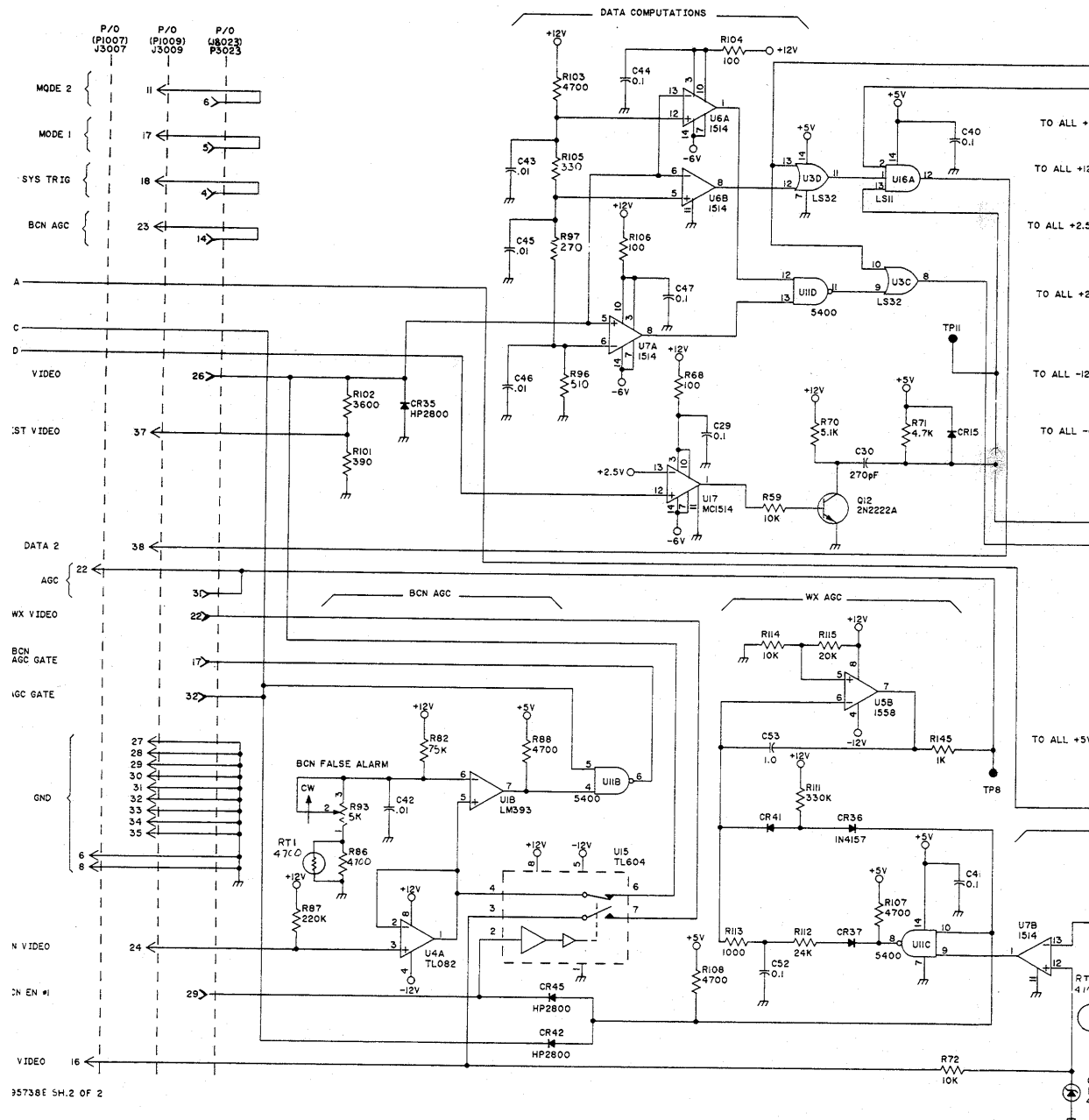
Figure 15 5-19 Analog Video.TIF



0
2

Figure 16 5-20 Analog Video.TIF

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RT-1401B RECEIVER-TRANSMITTER



I.B. 21401B-1

Analog/Video Board, Schematic Diagram
Figure 5-4 (Sheet 2)

5-21/5-22
May/92

Figure 17 5-21 Analog Video.TIF

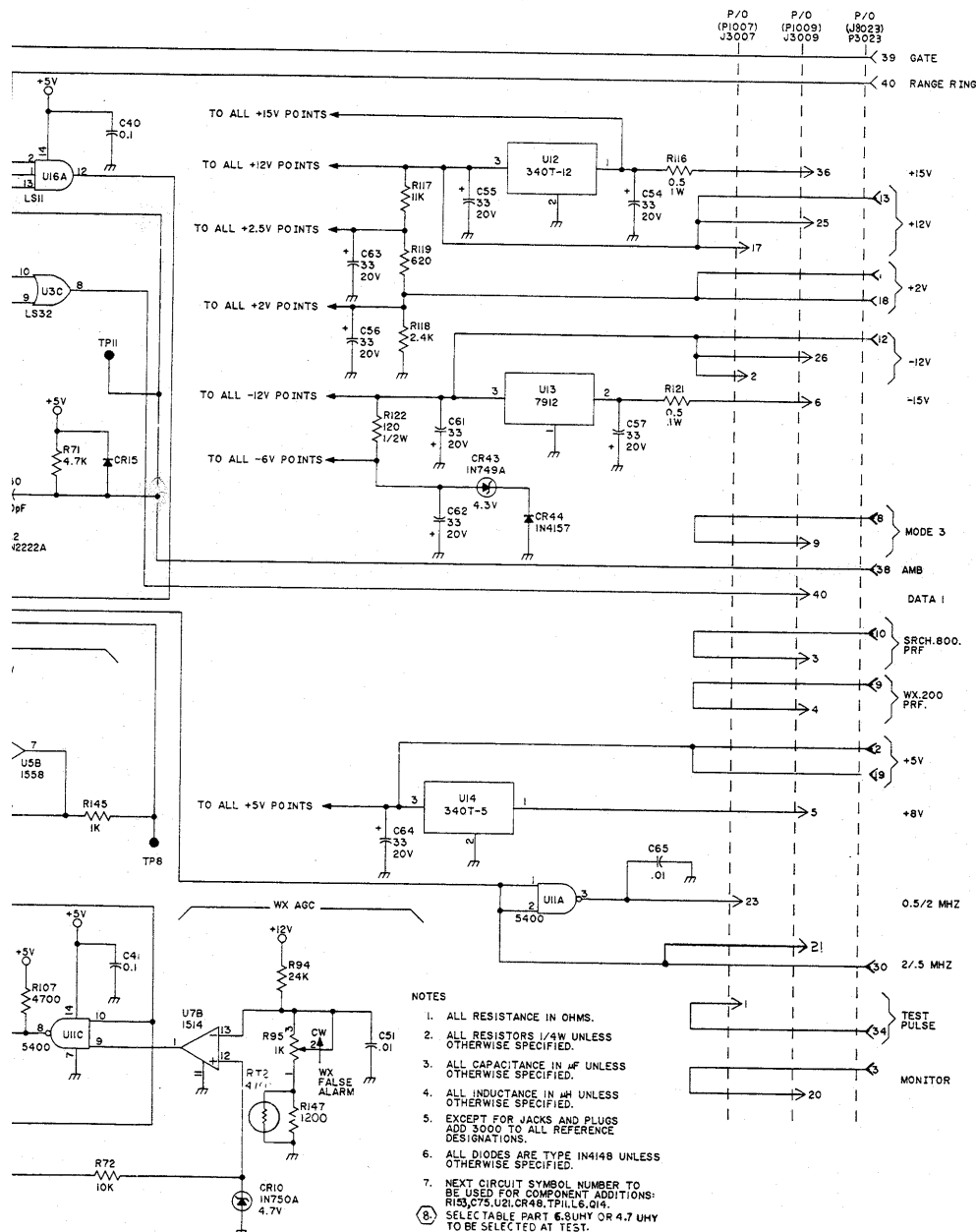
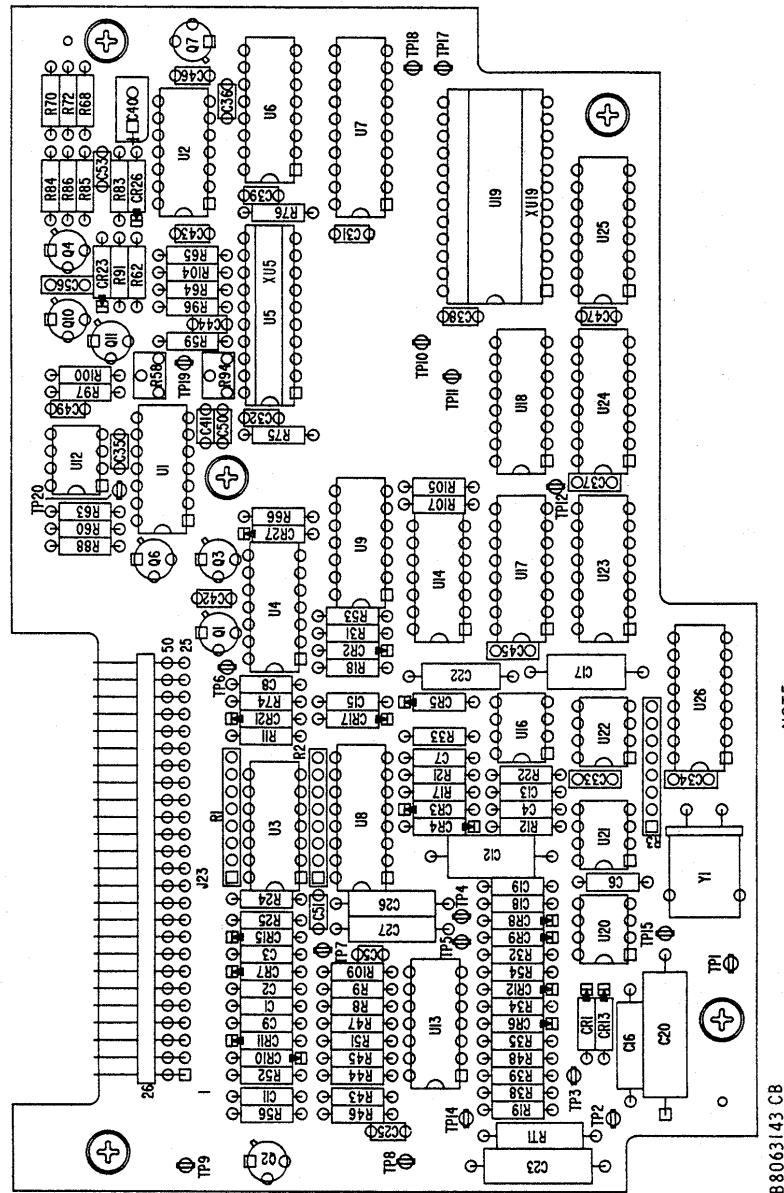


Figure 18 5-22 Analog Video.TIF

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RT-1401B RECEIVER-TRANSMITTER



NOTE:
ADD 8000 TO ALL REFERENCE DESIGNATIONS.

I.B. 21401B-1

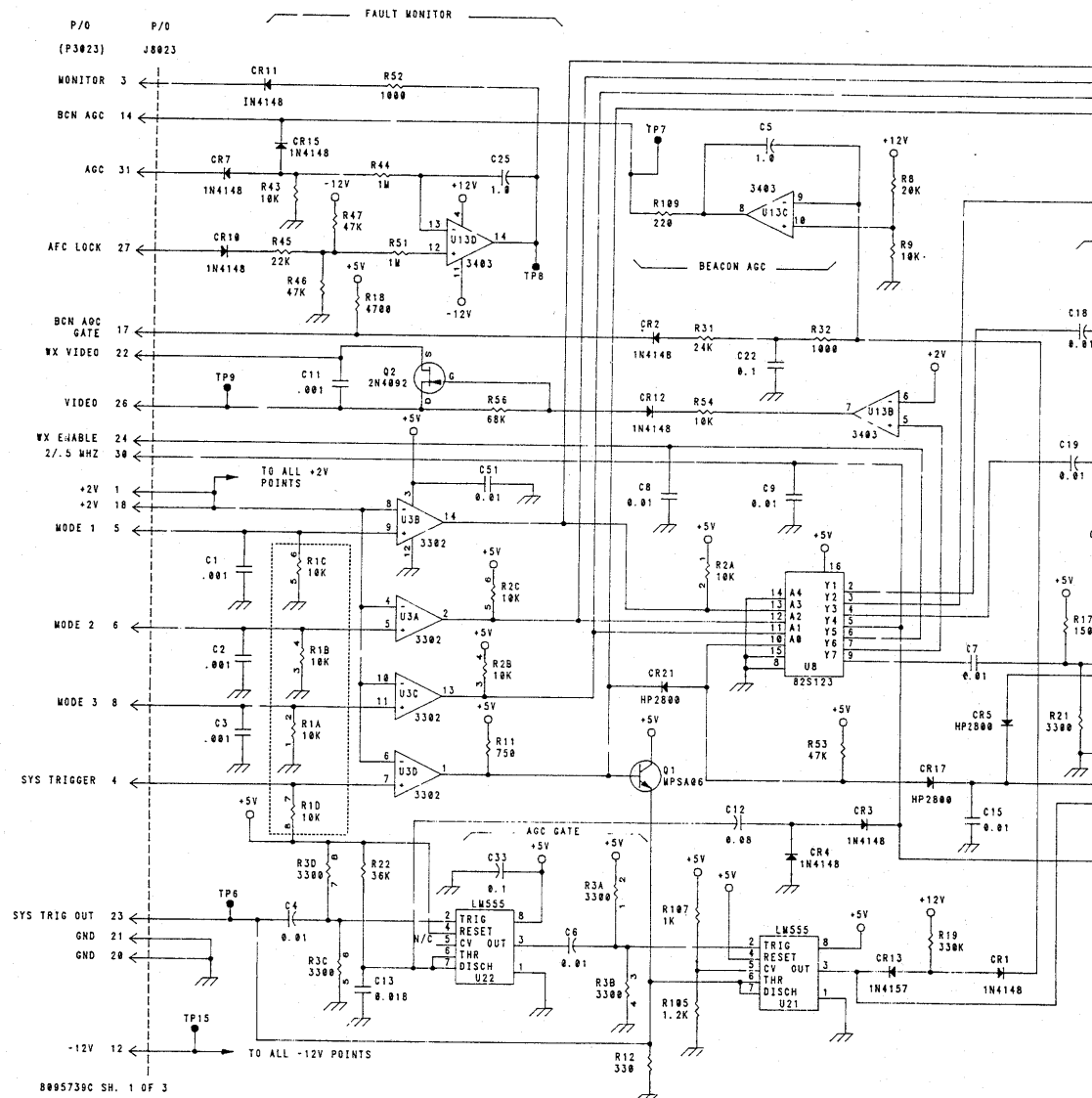
Mode-Decode Board 3606460-0501

5-24
Jan/91

Figure 19 5-24 Mode Decode.TIF

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RT-1401B RECEIVER-TRANSMITTER**

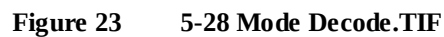


I.B. 21401B-1

Mode-Decode Board, Schematic Diagram
Figure 5-5 (Sheet 1 of 3)

5-25/5-26
Jan/91

Figure 20 5-25 Mode Decode.TIF



MAINTENANCE MANUAL
RT-1401B RECEIVER-TRANSMITTER



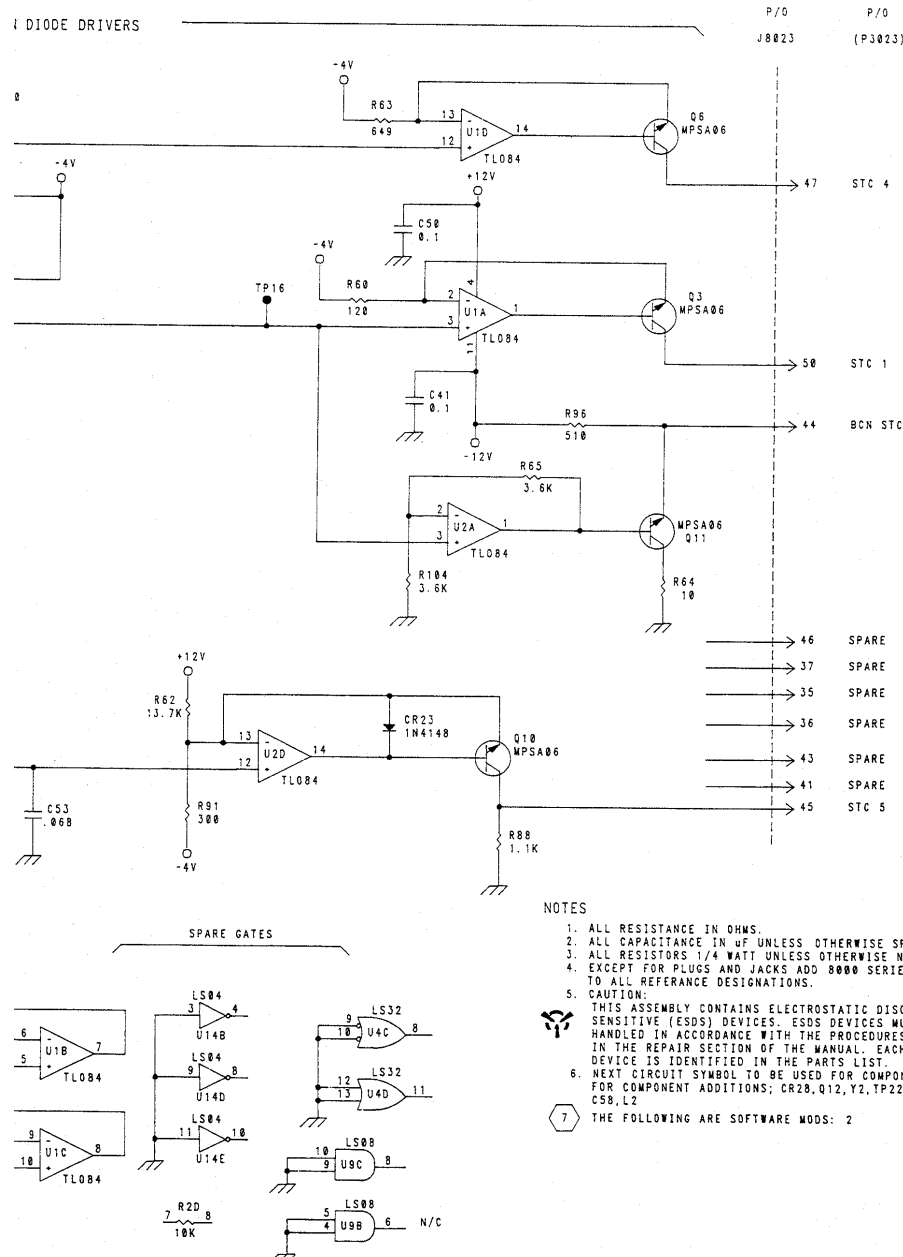
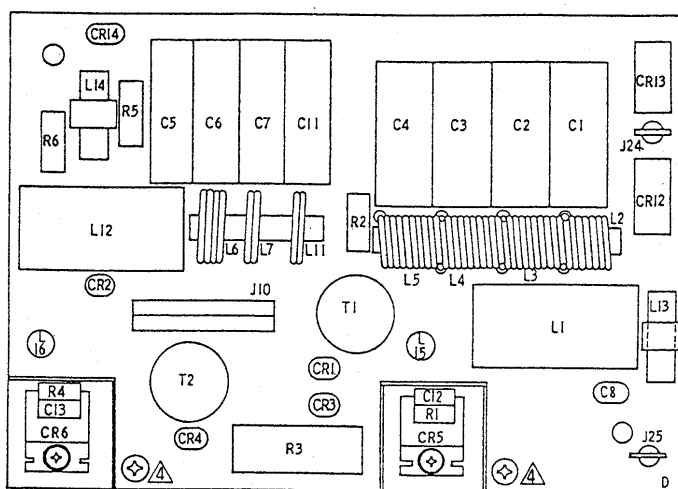


Figure 25 5-30 Mode Decode.TIF

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RT-1401B RECEIVER-TRANSMITTER



B8063140 DV

NOTES:

1. ADD 4000 TO ALL REFERENCE DESIGNATIONS.
2. (1) HUMISEAL IB31.
3. (2) HUMISEAL THINNER 503.
4. (3) LOCTITE 222.

I.B. 21401B-1

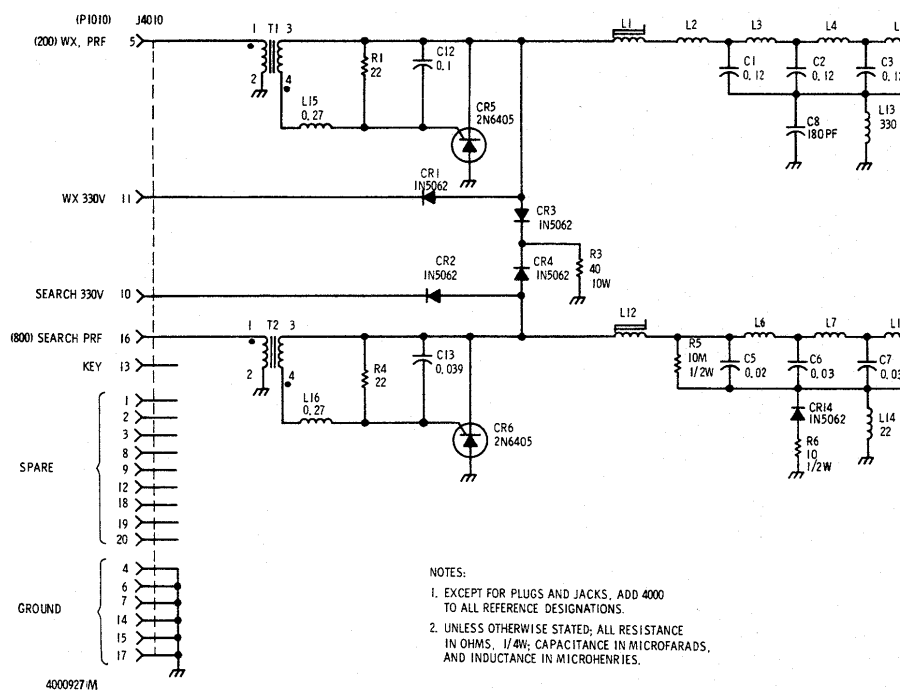
Modulator Board 4007720-0501

5-32
May/92

Figure 26 5-32 Modulator.TIF

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RT-1401B RECEIVER-TRANSMITTER**

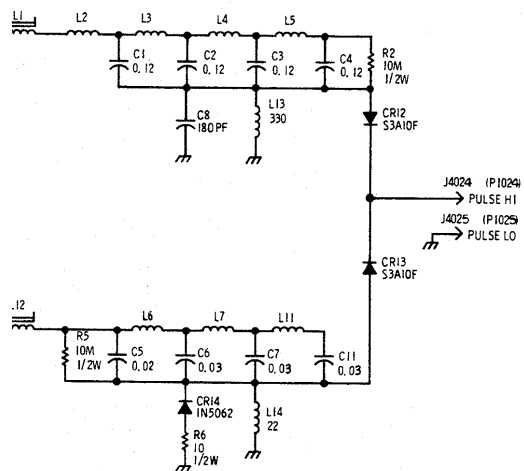


I.B. 21401B-1

Modulator Board, Schematic Diagram
Figure 5-6

5-33/5-34
May/92

Figure 27 5-33 Modulator.TIF

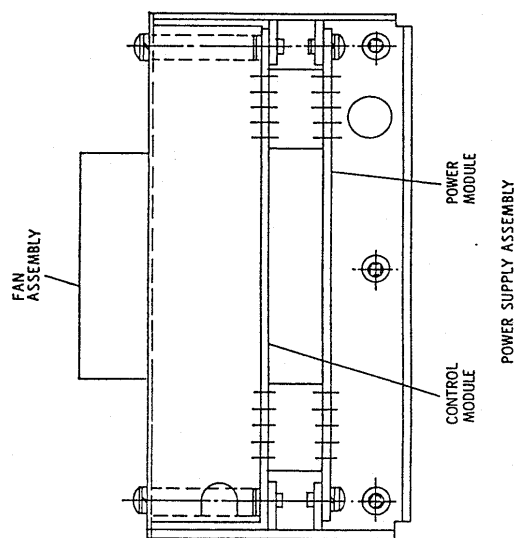
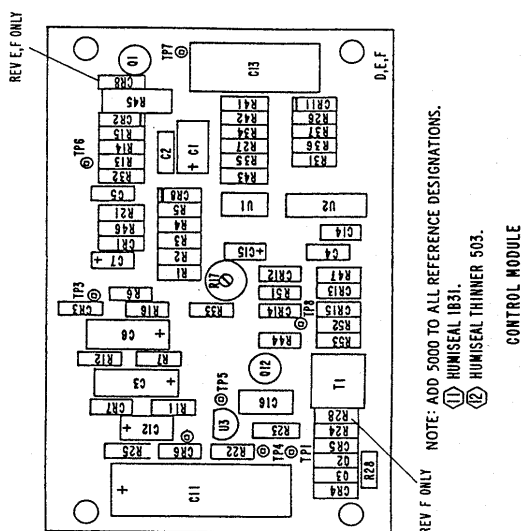


DD 4000

ESISTANCE
MICROFARADS.
ES.

Figure 28 5-34 Modulator.TIF

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RT-1401B RECEIVER-TRANSMITTER



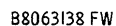
I.B. 21401B-1

Power Supply Assembly 4007721-0504

5-37
May/92

Figure 29 5-37 Power Supply.TIF

MAINTENANCE MANUAL
RT-1401B RECEIVER-TRANSMITTER



1. ADD 5000 TO ALL REFERENCE DESIGNATIONS.
2. (11) HUMISEAL 1B31.
3. (12) HUMISEAL THINNER 503.

POWER MODULE

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May/92

Figure 30 **5-38 Power Supply.TIF**

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RT-1401B RECEIVER-TRANSMITTER



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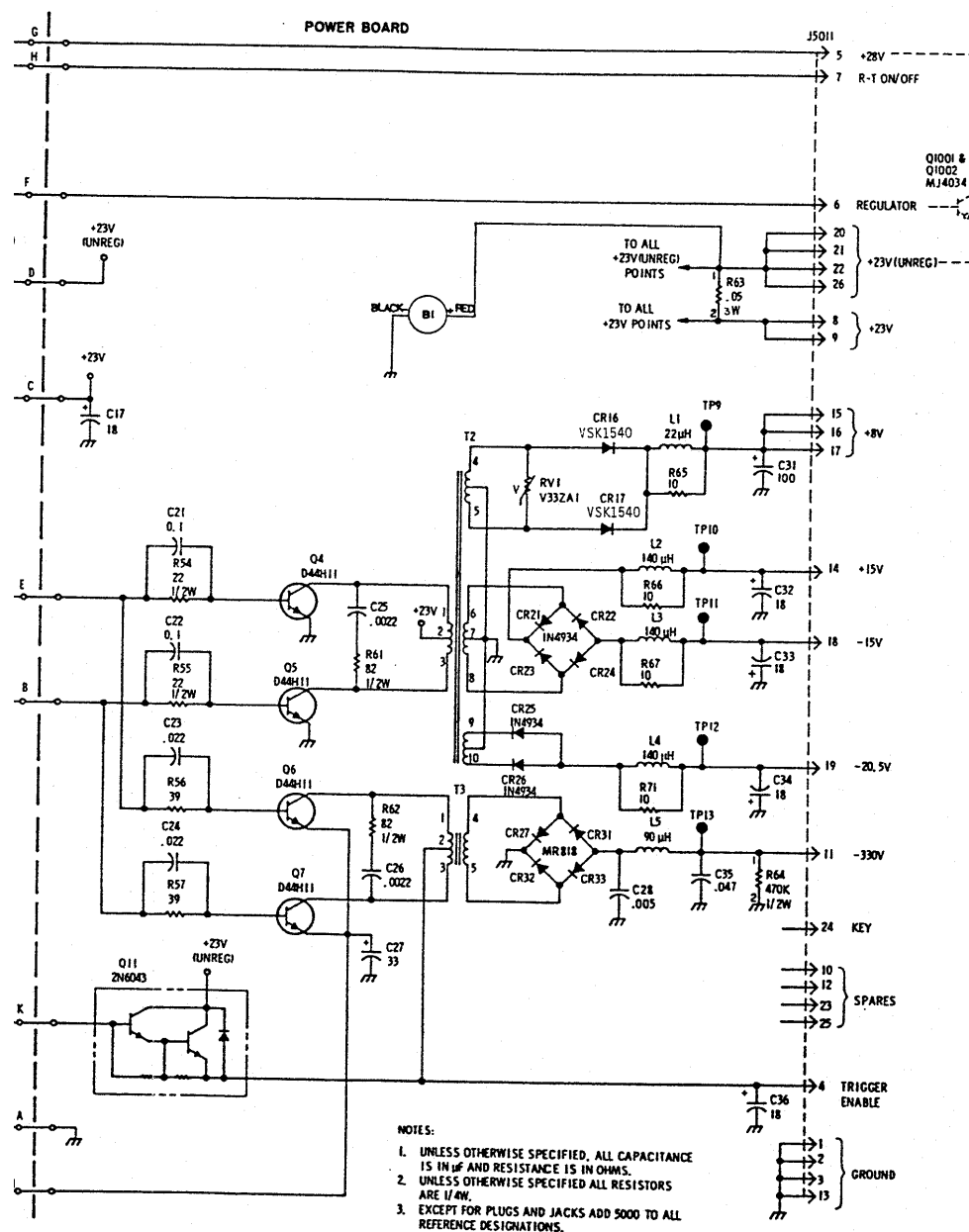
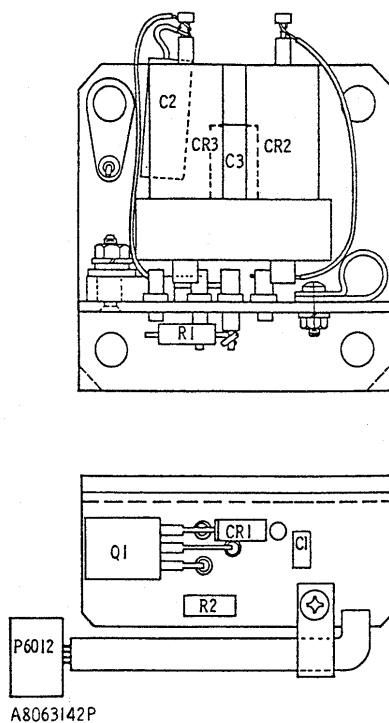


Figure 32 5-40 Power Supply.TIF

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MAINTENANCE MANUAL
RT-1401B RECEIVER-TRANSMITTER



I.B. 21401B-1

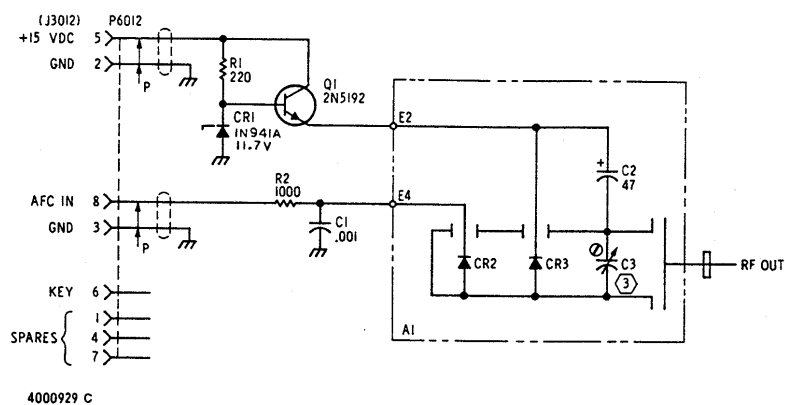
Local Oscillator Assembly 4007932-0501

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May/92

Figure 33 5-42 Local Oscillator.TIF

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MAINTENANCE MANUAL
RT-1401B RECEIVER-TRANSMITTER



NOTES:

1. ALL RESISTANCE IN OHMS. CAPACITANCE IN MICROFARADS.
2. EXCEPT FOR PLUGS AND JACKS, ADD 6000 TO ALL REFERENCE DESIGNATIONS.
3. C3 IS A FREQUENCY ADJUST TUNING SCREW.

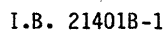
I.B. 21401B-1

Local Oscillator Assembly, Schematic Diagram
Figure 5-8

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Jan/91

Figure 34 5-43 Local Oscillator.TIF

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RT-1401B RECEIVER-TRANSMITTER

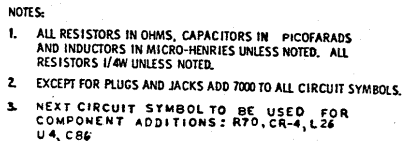


Beacon Amplifier Board 3606457-0501

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Figure 35 **5-46 Beacon Amplifier.TIF**

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5-48 Beacon Amplifier.TIF