

SONY®

STR-6050

SERVICE MANUAL SUPPLEMENT

NO. 1
OCT. '70

Subject: Minor change of Model STR-6050

1. INTRODUCTION

SONY made a change on Model STR-6050 to improve its electrical performance.

2. DESCRIPTION OF THE MODIFICATION

(a) SCA Trap Added

SCA trap has employed to remove the unwanted SCA interference on the MPX decoder board, and some parts has also changed at the same time.

New Parts Added

<i>Reference</i>	<i>Value</i>	<i>Part Number</i>
L402 (trap coil)	22 mH	1-409-181, micro inductor
C426	240 pF	1-107-140, silvered mica
R434	8.2 k ohm	1-244-695

Parts Changed

	<i>Description</i>	<i>Changed to</i>
*MPX decoder section	C421, 33 pF	62 pF (1-101-886), ceramic
	R401, 3 k ohm	8.2 k ohm (1-244-695)

Applicable Serial Number

<i>For USA Model</i>	<i>For Canada Model</i>	<i>For General Export Model</i>
81,501 up to 87,930	70,001 up to 70,832	50,001 up to 58,038

(b) Rectifier D902 Changed

New rectifier diode has employed to increase current capacity.

<i>Description</i>	<i>Changed to</i>
D902, CD-2	5B4

Applicable Serial Number

<i>For USA Model</i>	<i>For Canada Model</i>	<i>For General Export Model</i>
86,754 and later	70,735 and later	57,424 and later

(c) Printed Circuit Board Changed (MPX decoder section)

The MPX decoder's printed circuit board has been modified to place the SCA trap circuit on the component side, and some parts have also changed at the same time. New circuit diagram and mounting diagram are given on pages 5 to 8.

<i>Description</i>	<i>Changed to</i>
MPX board. X-20566-25	X-20566-25-3
C421, 62 pF	30 pF (1-101-871), ceramic
L402, 22 mH (1-409-181)	22 mH (1-407-408)

Applicable Serial Number

<i>For USA Model</i>	<i>For Canada Model</i>	<i>For General Export Model</i>
87,931 and later	70,833 and later	58,039 and later

(d) De-emphasis Changeover Circuit Added

The de-emphasis changeover circuit has employed to change the de-emphasis time constant easily. The specified de-emphasis time constant is 75 microseconds in USA and Canada, 50 micro-seconds in Europe. Refer to schematic diagram on pages 5 to 6.

Parts Added

*MPX decoder section

<i>Reference</i>	<i>Value</i>	<i>Part Number</i>
C427, 428	0.047 μ F, mylar	1-105-681-11
C429, 430	0.022 μ F, mylar	1-105-677-11
S10 (Slide switch)		1-514-524-11

Parts Changed

*MPX decoder section

<i>Description</i>	<i>Changed to</i>
C416, 417, 0.0033 μ F	0.0022 μ F (1-105-665-11) *Note: Mounting position is changed also.
C409, 410, 0.068 μ F	0.01 μ F (1-105-673-11) mylar
R415, 422, 510 ohm	750 ohm (1-244-670)

Applicable Serial Number

<i>For USA Model</i>	<i>For Canada Model</i>	<i>For General Export Model</i>
88,374 and later	70,841 and later	57,602 and later

(e) Fuse Added

A fuse is inserted in the primary side of the power transformer.

<i>Description</i>	<i>Part Number</i>
Fuse (USA, Canada Model)	1-532-213
Fuse (General Export Model)	1-532-250
Terminal strip for fuse mounting	1-536-189

Applicable Serial Number

<i>For USA Model</i>	<i>For Canada Model</i>	<i>For General Export Model</i>
88,058 and later	70,851 and later	57,284 and later

(f) Schematic Diagram (Tuner Section) Changed

According to the circuit modifications as described herein, reference number of resistor and capacitor in the fm i-f and MPX decoder section has changed. The new schematic diagram is given on pages 5 to 6.

Applicable Serial Number

<i>For USA Model</i>	<i>For Canada Model</i>	<i>For General Export Model</i>
87,227 and later	70,742 and later	57,409 and later

(g) Parts Changed

	<i>Description</i>	<i>Changed to</i>
a-m i-f section	R317, 24 k ohm	18 k ohm (1-244-703)
	R320, 4.7 k ohm	1.8 k ohm (1-244-679)
	R324, 15 k ohm	18 k ohm (1-244-703)
power supply section	R907, 11 k ohm	10 k ohm (1-244-697)
	C904, 1000 μ F 80 V	3300 μ 80 V (1-121-560), electrolytic

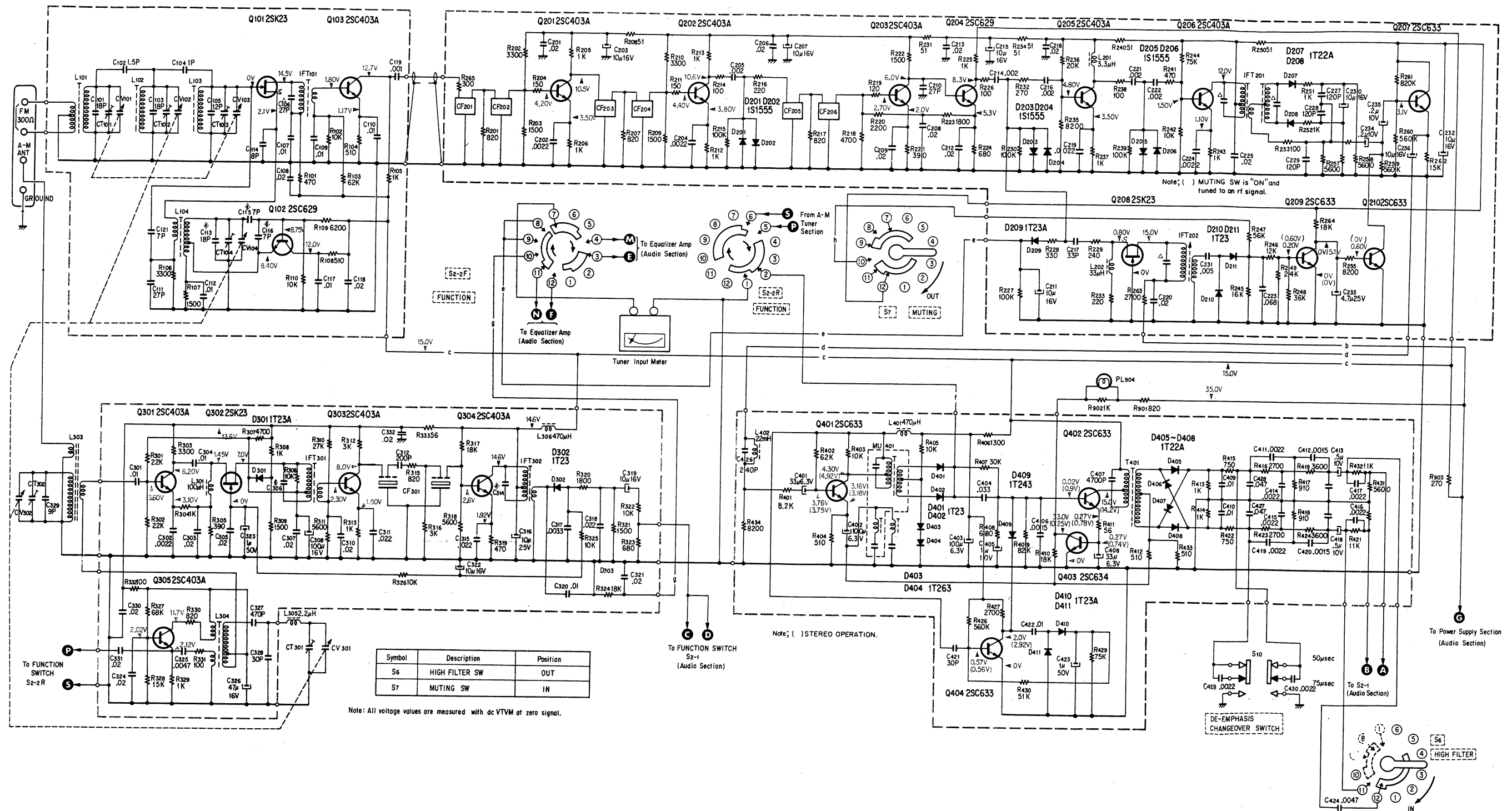
(h) Service Manual Correction in the Exploded View

<i>Description</i>	<i>Change to</i>	<i>Page</i>
S2 (1-514-506)	(1-514-338)	47
S1 (1-514-338)	(1-514-506)	47

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SCHEMATIC DIAGRAM

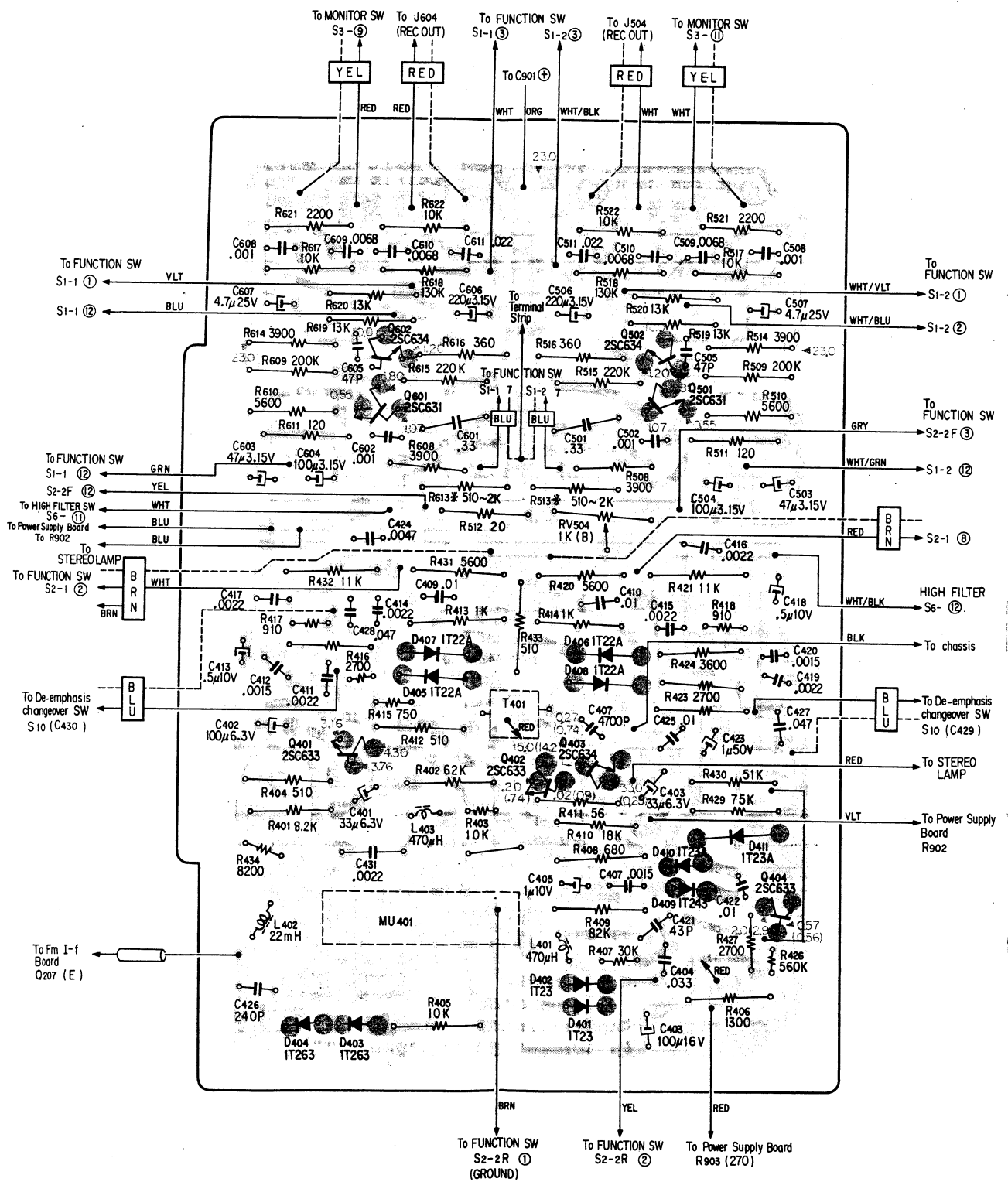
TUNER SECTION



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MOUNTING DIAGRAM -MPX and Equalizer Amplifier Board

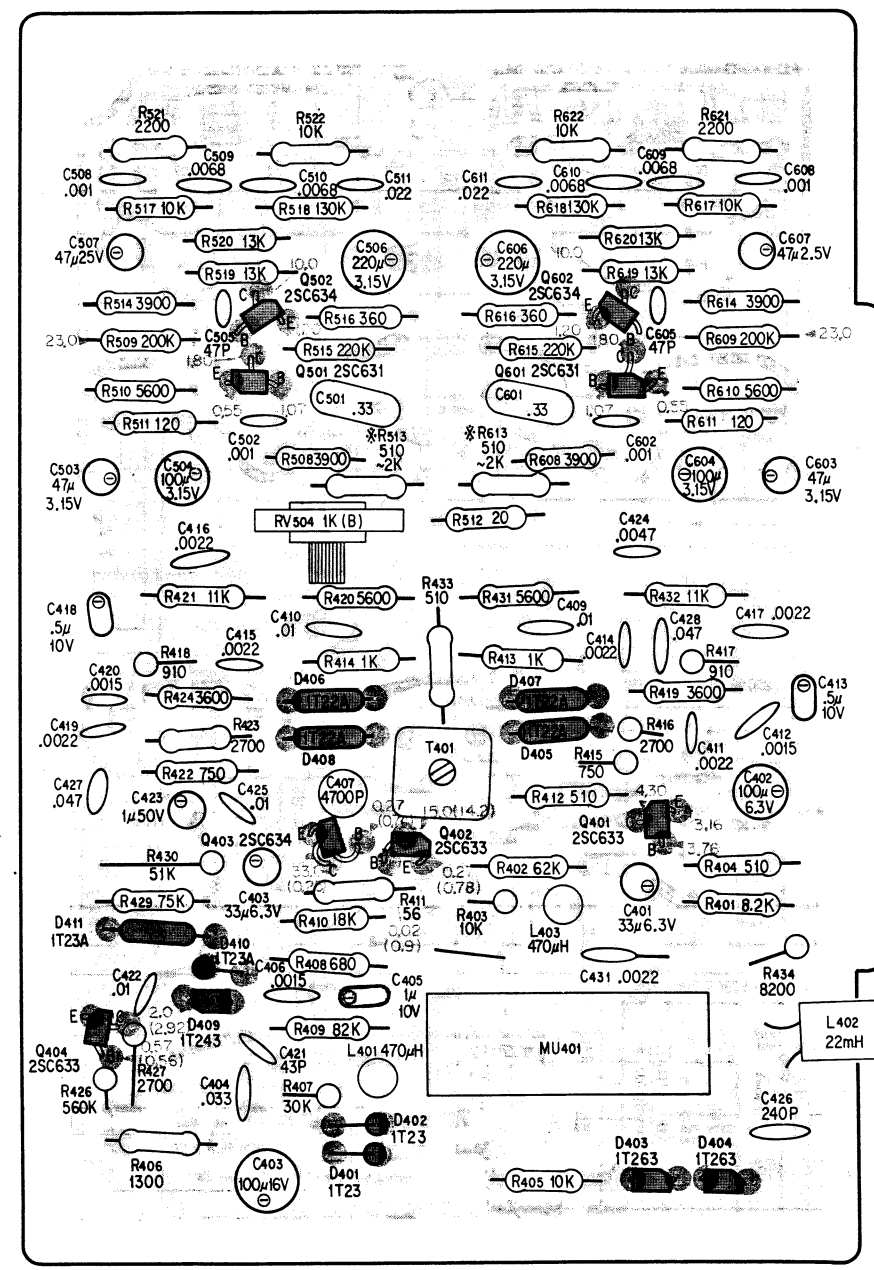
-Conductor Side-



Note: 1. () STEREO OPERATION
 2. R433, C421 and L401 are mounted on conductor side
 * : To be selected

MOUNTING DIAGRAM -MPX and Equalizer Amplifier Board

-Component Side-

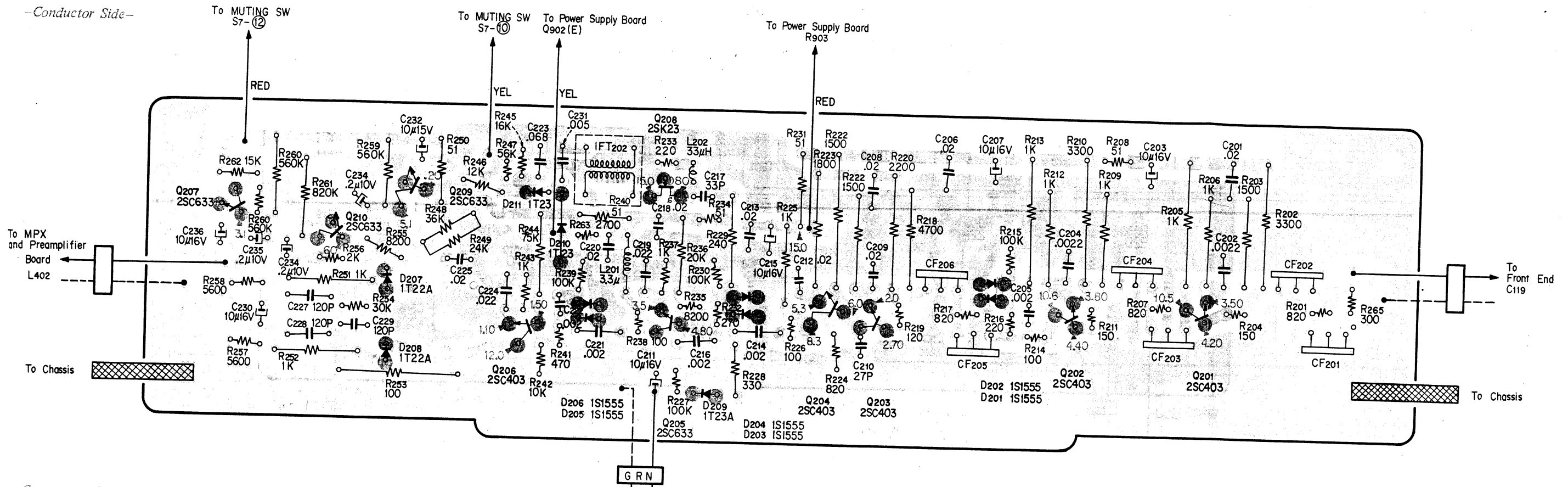


() ; STEREO OPERATION

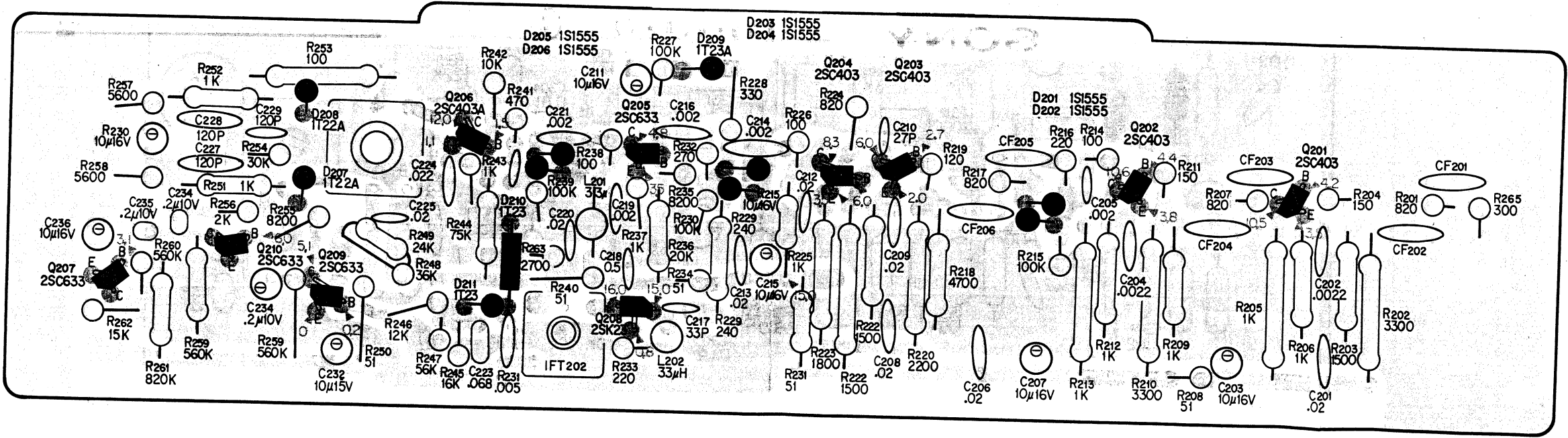
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MOUNTING DIAGRAM- F-M I-F Board

-Conductor Side-



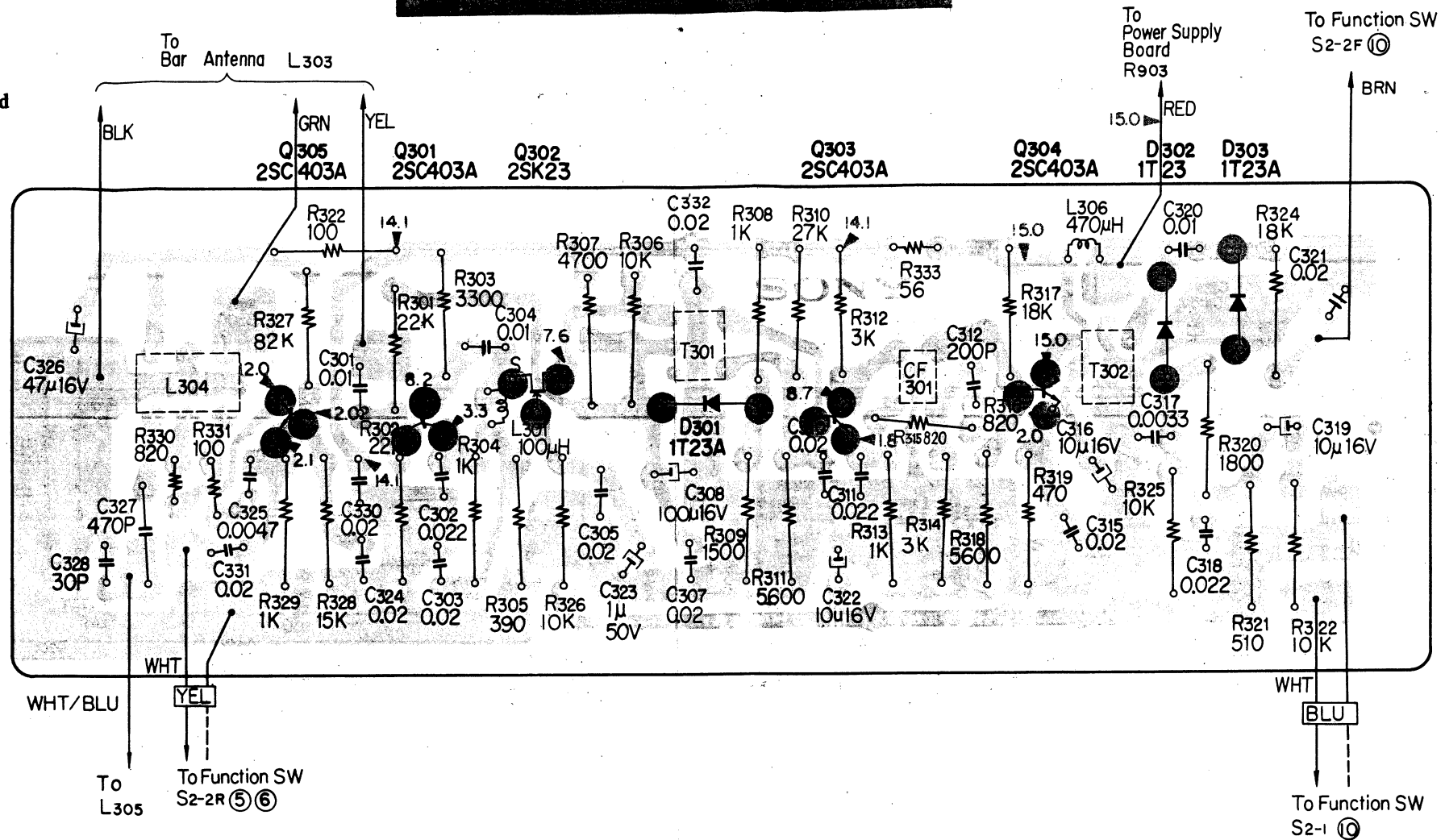
-Component Side-



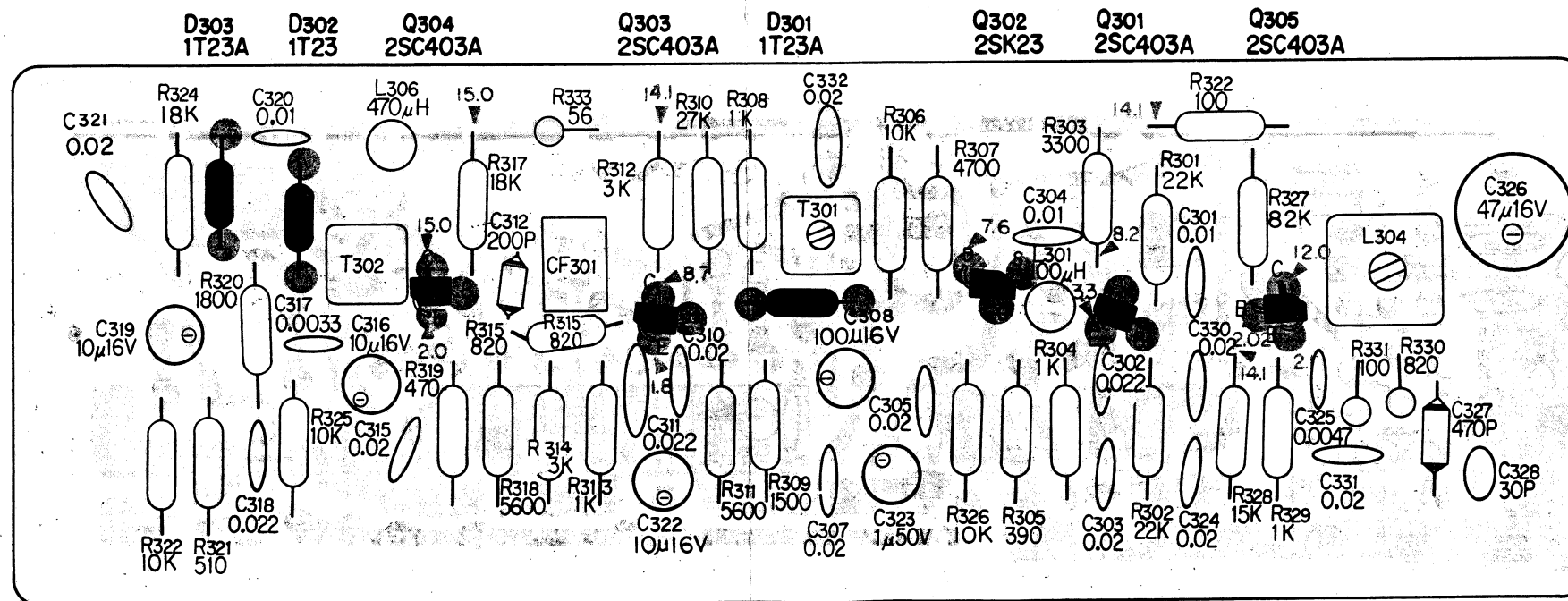
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MOUNTING DIAGRAM— A-M I-F Board

—Conductor Side—



—Component Side—



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