

ST-JX4L

AEP Model
UK Model



FM STEREO / FM-AM TUNER

SPECIFICATIONS


FM tuner section

Tuning range	87.5 MHz - 108 MHz
Antenna terminals	300 ohms, balanced 75 ohms, unbalanced
Intermediate frequency	10.7 MHz
Sensitivity at 46 dB quieting (40 kHz deviation)	4 μ V (mono) 43 μ V (30 μ V)* (stereo)
Usable sensitivity	1.4 μ V (S/N = 26 dB, 40 kHz deviation) 1.8 μ V, 10.3 dBf (IHF)
Limiting threshold	1 μ V
Signal-to-noise ratio (40 kHz deviation)	80 dB (mono), 75 dB (stereo)
Harmonic distortion (40 kHz deviation)	0.08% (mono), 0.12% (stereo) at 100 Hz 0.08% (mono), 0.12% (stereo) at 1 kHz 0.1% (mono), 0.2% (stereo) at 10 kHz
IM distortion (40 kHz deviation)	0.08% (mono), 0.12% (stereo)
Separation	45 dB at 100 Hz 50 dB (17 dB)* at 1 kHz 40 dB at 10 kHz


Frequency response	40 Hz - 12.5 kHz \pm 0.2 dB 30 Hz - 15 kHz \pm 0.2 dB
Selectivity	80 dB at 300 kHz
Capture ratio	1.0 dB
AM suppression ratio	60 dB
Image response ratio	80 dB
IF response ratio	100 dB
Spurious response ratio	100 dB

— Continued on page 2 —

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE  SUR LES DIAGRAMMES SCHEMATIQUES, LES VUES ÉCLATÉES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY-RELATED COMPONENT WARNING!!

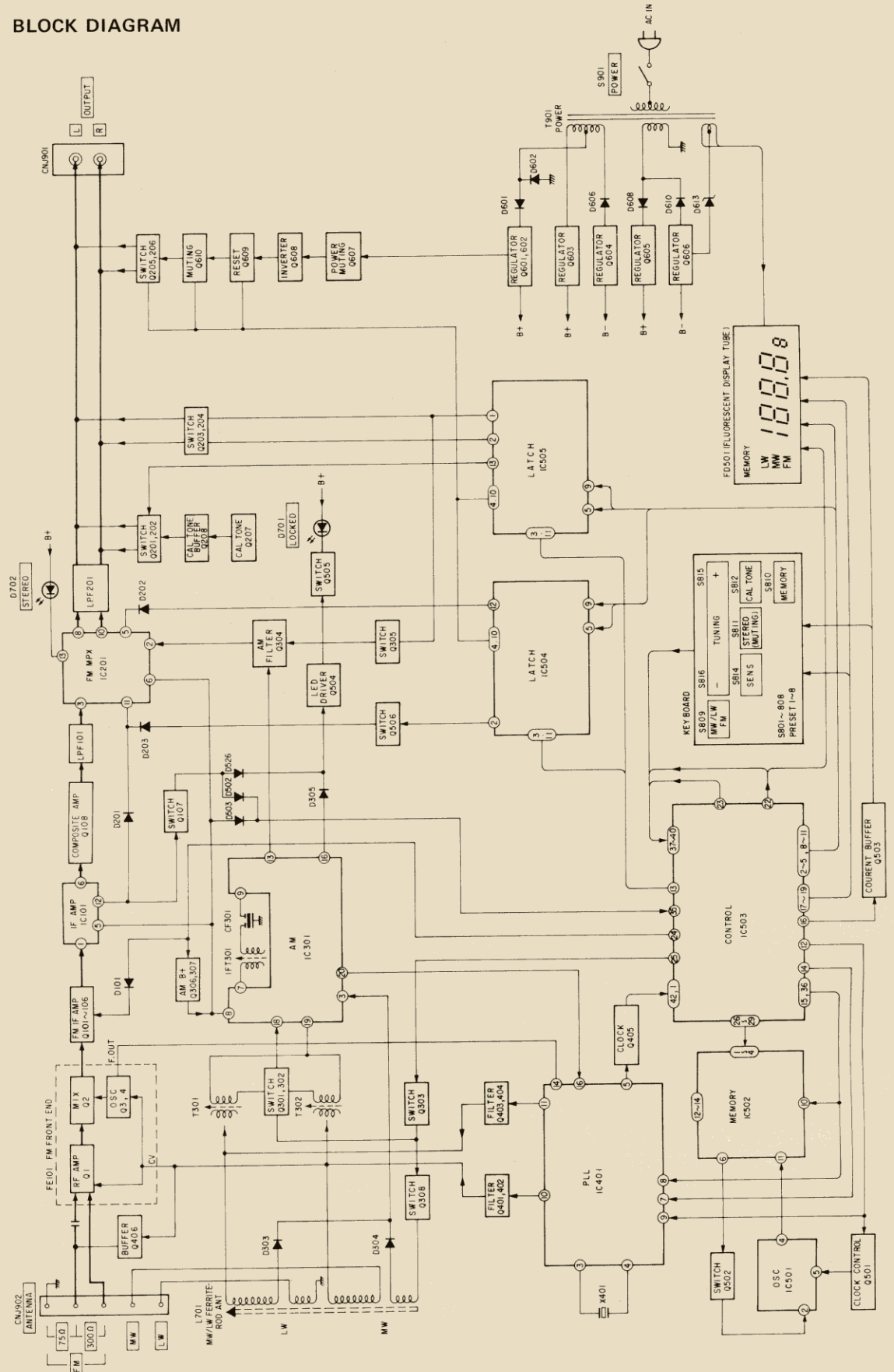
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.



SONY

SERVICE MANUAL

1-2. BLOCK DIAGRAM






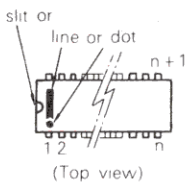
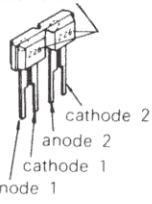
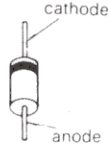
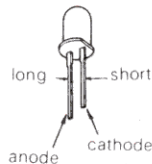
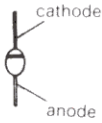


SECTION 4 DIAGRAMS

4-1. MOUNTING DIAGRAM

— Conductor Side —

Semiconductor Lead Layouts

<p>2SC1815 2SC1364 2SC1362 2SC1890A 2SA1015</p> 	<p>2SD880</p> 	<p>2SB733 2SB734</p> 
<p>2SC710</p> 	<p>2SK30A</p> 	<p>CX761A CX778 LA1235 LA1245 LA3390 μPD552C-065 μPD4011C</p>  <p style="text-align: center;">(Top view)</p>
<p>KV1226-D letter side</p> 	<p>1S1555 10E2 EQA01-05R EQA01-06R HZ6B2L HZ16-2L HZ30-3L</p> 	<p>GL-5NG10 GL-5PR5</p> 
<p>MV-12N</p> 		

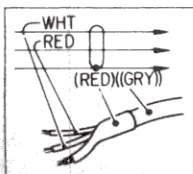
FM Ceramic Filter Adjustment

Identification color of FM ceramic filters (CF101-104)	D517	D518
black	○	○
red	X	○
white	○	X

○: to be connected, X: to be removed

Notes:

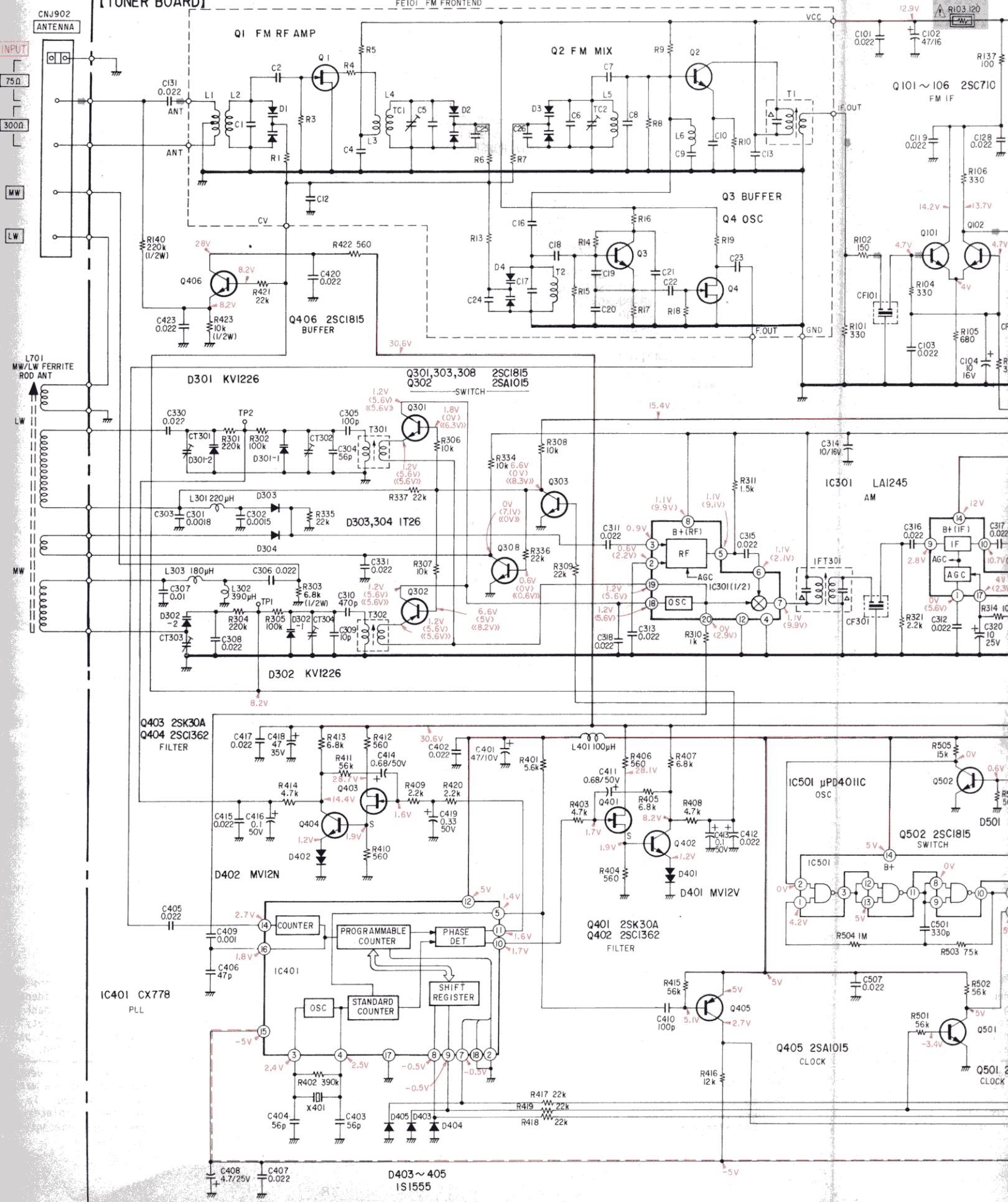
- Color code of sleeving over the end of the jacket.



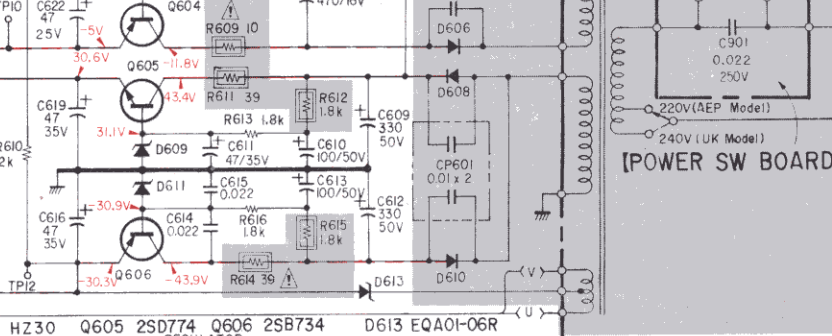
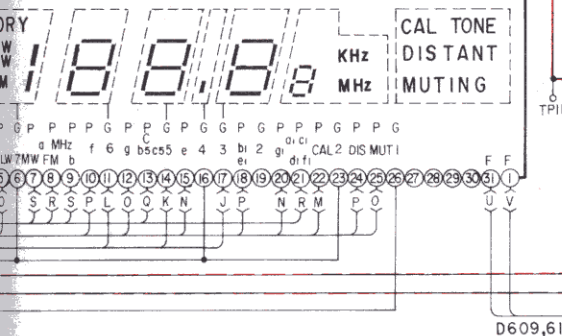
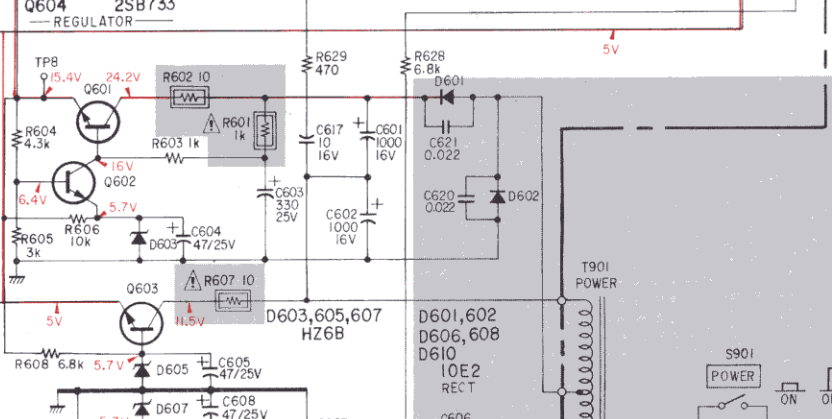
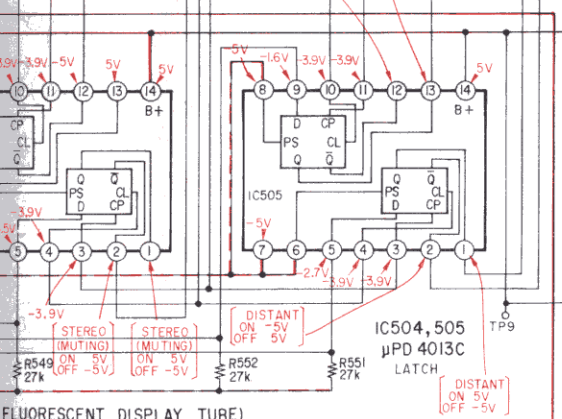
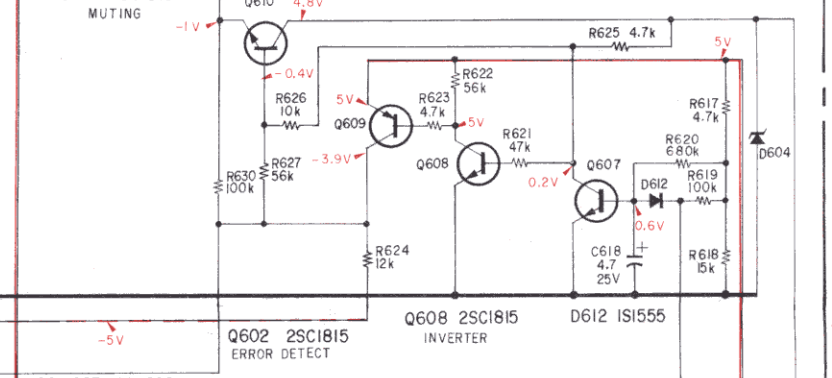
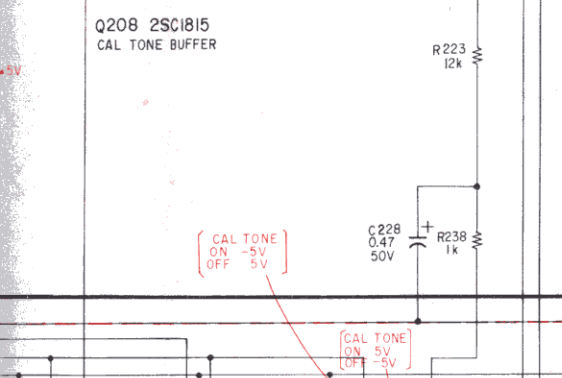
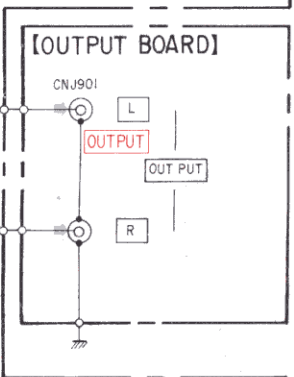
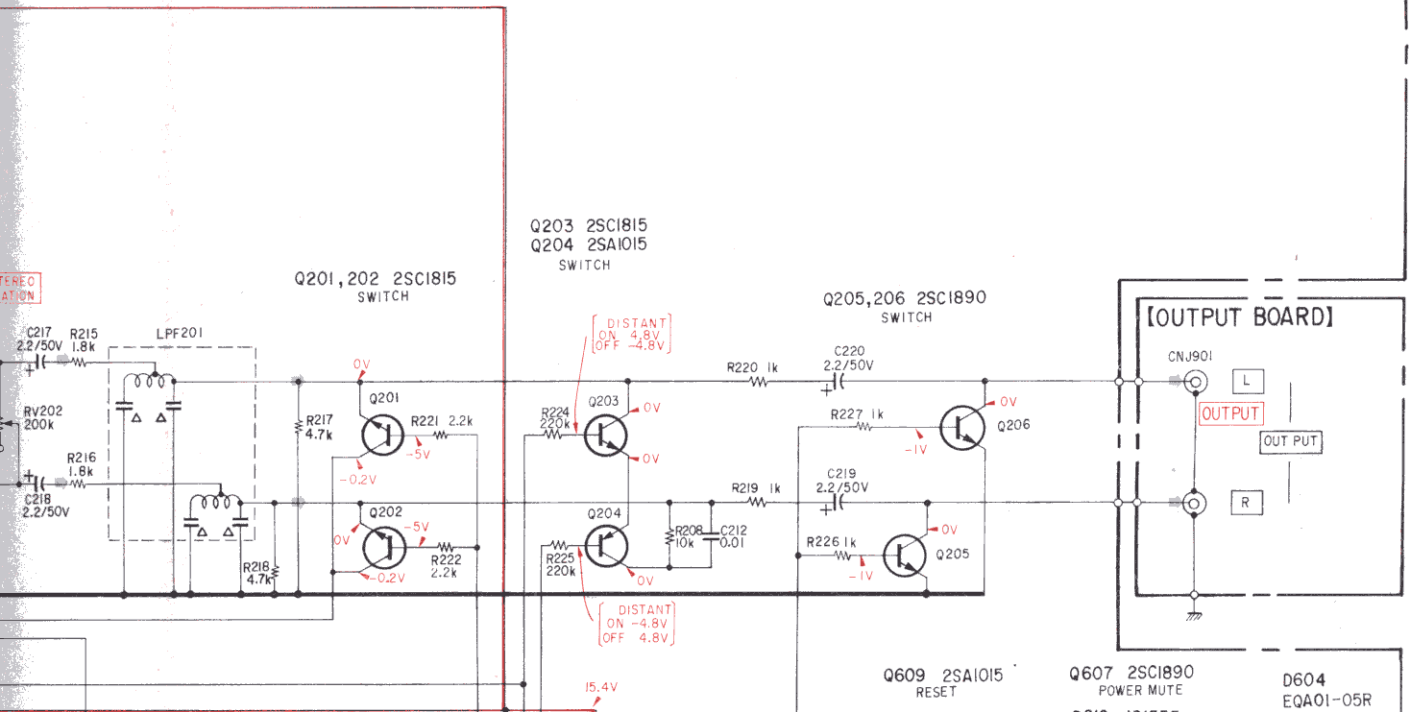
- : indicates side identified with part number.
- : B + pattern
- : B - pattern
- : signal path
- : L-CH signal path
- : R-CH signal path

SCHEMATIC DIAGRAM (See page 20 for the notes.)

[TUNER BOARD]



STEREO
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