

Marantz PM-84 II

2. TEST EQUIPMENT REQUIRED FOR SERVICING

This table lists the test equipment required for servicing the Model PM-84II Stereo Amplifier.

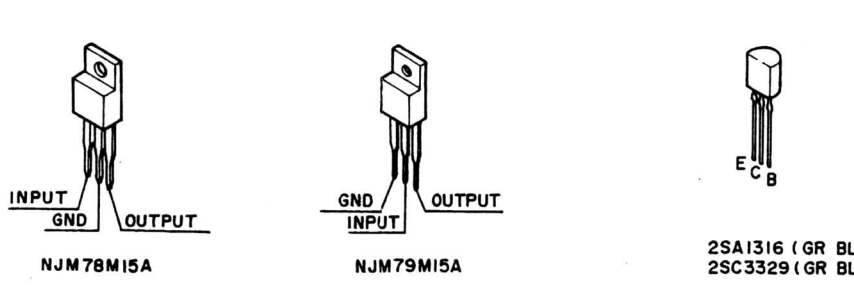
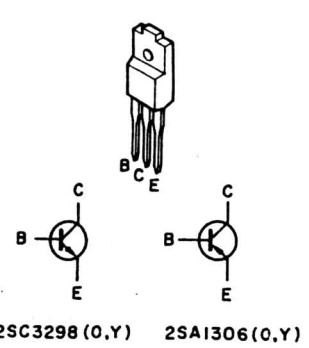
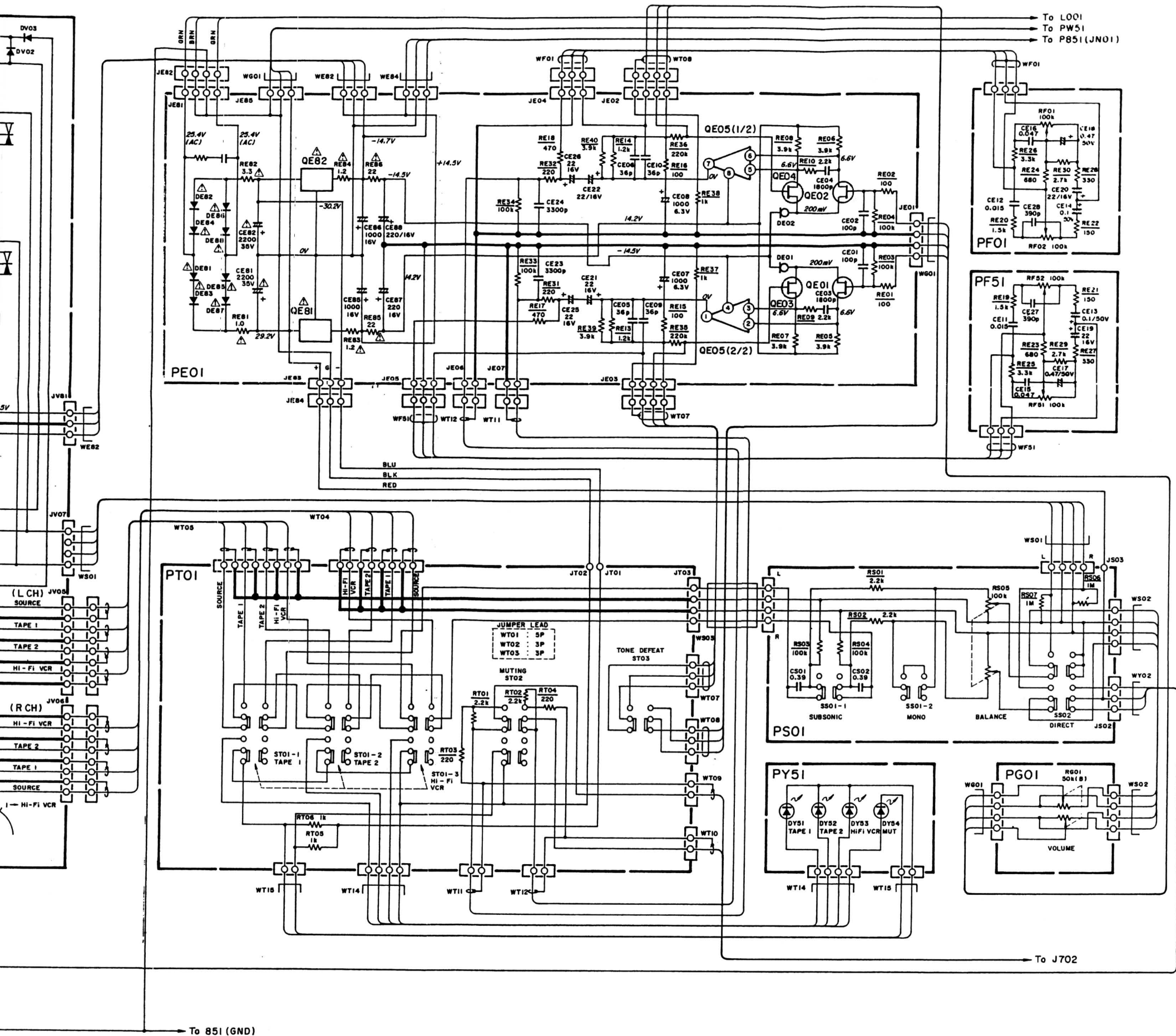
Item	Use
Distortion Analyzer	Distortion measurements
Audio Oscillator	Sinewave and squarewave signal source
AC VTVM	Voltage measurements (AC)
Oscilloscope	Waveform analysis and trouble shooting and ASO alignment
Circuit Tester	Trouble shooting
DC VTVM	Voltage measurements (DC)
AC Wattmeter	Monitors primary power to amplifier
Line Voltmeter	Monitors potential of primary power to amplifier
Variable Autotransformer (0 ~ 140V AC, 10A)	Adjust level of primery power to amplifier
Shorting Plug	Shorts amplifier input to eliminate noise pickup

3. ADJUSTMENT PROCEDURE

Idling Adjustment

1. With no signal and no load, short-circuit TP-5 and TP-6 on the P.W. Board (P701).
2. Connect the digital voltmeter at the DC range to the center of the RL09 and RL13 (RL10 and RL14) cement resistors on the P.W. Board (PL01) and adjust R727 (R728) on the P.W. Board (P701) for a voltage of 40 mV.
3. Open TP-5 and TP-6 and adjust R725 (R726) on the P.W. Board (P701) so that the digital voltmeter reads 112 mV.
4. Next short-circuit TP-6 and TP-7 and adjust R723 (R724) on the P.W. Board (P701) so that the digital voltmeter reads 250 mV.
5. Perform the same adjustment for the right channel using the parts indicated in parentheses.

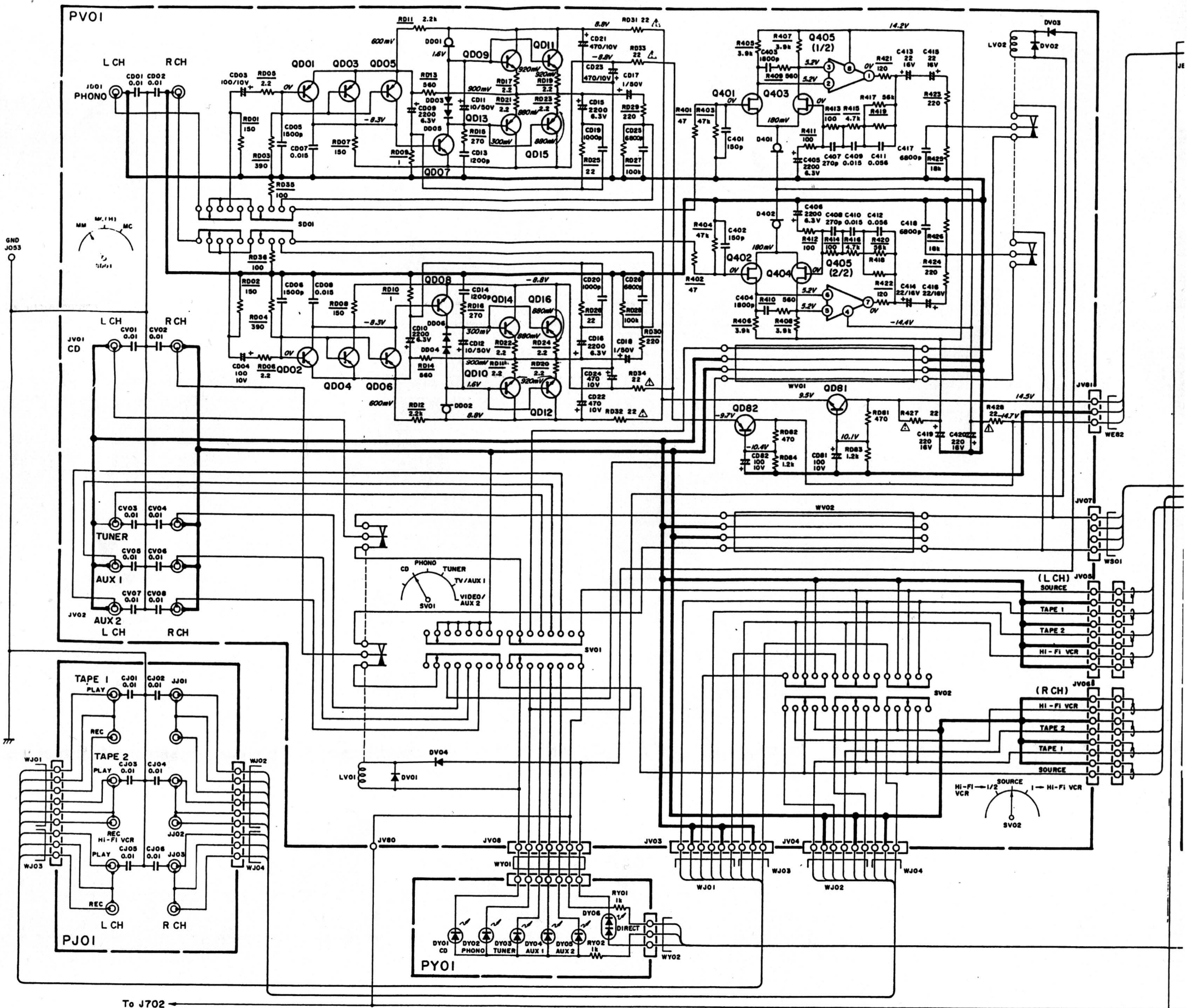
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"SERVICE INFORMATION IS FOR USE BY QUALIFIED PERSONNEL ONLY - ANY MISADJUSTMENT OR MISALIGNMENT MAY BE TREATED AS A NON-WARRANTY REPAIR BY ANY MARANTZ SERVICE CENTRE -"

Kind of Common Parts

- RESISTOR**
- R*** (1) GD05 --- 140, Carbon film fixed resistor, ±5% 1/4W
 - R*** (2) GD05 --- 160, Carbon film fixed resistor, ±5% 1/6W
- C*** : CERAMIC CAP.**
- (1) DD1 ---- 370, Ceramic condenser, disc type (titan condenser) Temp. coeff. P350 ~ N1000 50V
 - (2) DK16 --- 300, High dielectric constant ceramic condenser, disc type (titan variable) Temp. chara. 2B4 50V
- ELECTROLY CAP. (E) / FILM CAP. (F)**
- (1) EA ----- 10, Electrolytic condenser, one-way lead type, tolerance ±20%
 - (2) DF15 --- 350, Plastic film condenser, one-way type, Mylar, ±5% 50V
- *In case of ordering the common parts, please establish the correct parts number of 10 figures by the procedure "ASSIGNMENT OF COMMON PARTS CODES"



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|--|---|---------------------------------|---|---|
| Q401~Q404
QE01~QE04
HF203691B0
2SK3698L | QD07~QD12
HT333292A0
2SC3329 (6R, BL) | QE81
HC38515090
NJM78M15A | D401, D402
DD01, DD02, DE01, DE02
HD60001160
C.R.D/4.5MA | DY01~DY05
DY51~DY53
HI10048320
LED GL-3HD7 |
| Q405, QE05
HC10026090
NJM2041DD | QD81
HT332982D0
2SC3298 (0, Y) | QE82
HC39515090
NJM79M15A | DD03~DD06, DV01~DV04
HD20002000
ISS133 | DY06, DY54
HI10037320
L.E.D LT-9200N |
| QD01~QD06, QD13~QD16
HT113162A0
2SA1316 (6R, BL) | QD82
HT113062D0
2SA1306 (0, Y) | | DE81~DE88
HD20022030
DSF-10C | |

- | | |
|--|---|
| F001 FS10400850 FUSE [N, A] | SS01 SP04020470 PUSH SWITCH SUBSONICE |
| L001 FS10400700 FUSE [E] | SS02 SP04010500 PUSH SWITCH CD DIRECT |
| S001 TS60508160 POWER TRANSF. [N, A] | ST01 SP04040360 PUSH SWITCH TAPE 1, 2 |
| S002 TS60508170 POWER TRANSF. [E] | ST02 SP04010480 PUSH SWITCH MUTING |
| S003 SP01010820 PUSH SWITCH POWER | ST03 SP02011490 PUSH SWITCH TONE DEFECT |
| S004 SR00050220 ROTARY SWITCH FUNCTION | SD01 SS04030260 SLIDE SWITCH |
| S005 SR00030120 ROTARY SWITCH REC MODE | LV01 LY20240230 RELAY CD DIRECT |
| RF01 RK01030630 VARIABLE 10KΩ TONE | LV02 LY20240230 RELAY PHONO DIRECT |
| RF02 RK01030630 VARIABLE 10KΩ TONE | SV01 SS04060050 SLIDE SWITCH |
| RF51 RK01030630 VARIABLE 10KΩ TONE | SV02 SS06030220 SLIDE SWITCH |
| RF52 RK01030630 VARIABLE 10KΩ TONE | LW01 SY20240150 RELAY SPEAKER |
| RG01 RM05031210 VARIABLE 50KΩ MASTER | LW02 SY20240150 RELAY SPEAKER |
| RS05 RM01040890 VARIABLE 100KΩ BALANCE | SC01 SP02020860 PUSH SWITCH SPEAKER |
| | R723 |
| | R728 |

NOTE ON SAFETY :
 Symbol Δ Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol Δ . Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

Components and wiring are subject to change for modification