

MARANTZ 2245 Parts List (Commonly replaced parts)

Main Filter Capacitors

9000uF/55V Replaced with Nichicon Gold Tune 10000uF/63V Mouser 647-LKG1J103MKN

P150 AM Tuner

CAPACITORS

C161/162/164/

165/166/171/

173/175/178/

180/181/183

10uF/16V

Nichicon KL 10/16 Mouser 647-UKL1C100KDD1TD

C184 (bottom of board)

100uF/10V

Nichicon KL 100/10 Mouser 647-UKL1A101DEDANA

P300 Multiplex Stereo Decoding Amplifier

CAPACITORS

C301/302/306/

311/321/322

10uF/16V

Nichicon KL 10/16 Mouser 647-UKL1C100KDD1TD
(alternate for C321/322 is WIMA film 10/50 Mouser 505-MKS210/50/20)

C312

220uF/16V

Panasonic FC 220/16 Digikey P11199-ND,
Mouser 667-EEU-FC1C221

C323

100uF/10V

Nichicon KL 100/16 Mouser 647-UKL1C101MPDANA

C331/332

4.7uF/35V

Nichicon KL 4.7/50 Mouser 647-UKL1H4R7KDDANA

C319/320

333/334

10uf/35V

Elna Silmic II 10/35 Mouser 555-RFS35V100ME3#5

(the change from 1uF to 10uF for C333/334 is per Catrafter's cap list. Alternative WIMA film 10/50 cap for C333/334 is Mouser 505-MKS210/50/20)

C335

220uF/25V

Nichicon KL 220/35 Mouser 647-UKL1V221KPD

C336

33uF/10V

Elna Silmic II 33/25 Digikey 604-1053-ND,
Mouser 555-RFS25V330MG3#5

C324

.1uF/20V

WIMA film .1/63 Mouser 505-MKS2.1/63/10

P400 Tone Amp

CAPACITORS

C401/402

.22uF/50V

Mundorf EVO Oil .22uF/450V Sourced at

www.madisoundspeakerstore.com

A less expensive alternative for C401/402 is Panasonic Polypropylene Film Mouser 667-ECW-FD2W224JB

C403/404/414/

415

1uF/50V

WIMA film 1/50 Mouser 505-MKS2B041001C00KS (Leads must be lengthened for C414/415)

C405/406	10uF/35V	Elna Silmic II 10/50 Mouser 555-RFS50V100MG3#5
C407/408/410/ 411	3.3uF/25V	WIMA film 3.3/50 Mouser 505-MKS23.3/50/10
C409	100uF/35V	Nichicon FG 100/50 Mouser 647-UFG1H101MPM

SEMIS (P400)

H401/402/405 406	2SC1000 (ECB)	Mouser 512-KSC1815YTA (ECB)
H403/404/407 408	2SA841 (ECB)	Mouser 512-KSA992FBU (ECB)

P500 FM Detector

CAPACITORS

C503/508/ 511	10uF/16V	Nichicon KL 10/16 Mouser 647-UKL1C100KDD1TD
C509	100uF/10V	Nichicon KL 100/10 Mouser 647-UKL1A101DEDANA
C514	100uF/16V	Nichicon KL 100/16 Mouser 647-UKL1C101MPDANA
C510 Axial	1uF/50V	Vishay 1/63 Axial Mouser 594-2222-021-38108

P550 Muting Amp

CAPACITORS

C554/559	10uF/16V	Nichicon KL 10/16 Mouser 647-UKL1C100KDD1TD
C557	4.7uF/50	Nichicon KL 4.7/50 Mouser 647-UKL1H4R7KDDANA

P700 Phono Board

CAPACITORS

C701/702	.47uF/50V	Panasonic .47/450 Polypropylene Mouser 667-ECW-FD2W474J
C703/704	22uF/6.3VE	Elna Silmic II 22/10 Mouser 555-RFS10V220ME3#5
C713	100uF/50V	Elna Silmic II 100/50 Mouser 555-RFS50V101MI5#5

(If C701/702 are the big brown originals, probably do not need replacing)

SEMIS

H701/702/703/ 704	2SC1000 (ECB)	Mouser 512-KSC1815YTA (ECB)
H705/706	2SC458 (BCE)	Mouser 512-KSC1845FTA (ECB)
	(note pin arrangement change)	
H707/708	1S1212 diode	Mouser 512-1N4148
H709	VD1212 diode	Mouser 512-1N4148 (X2) connected in series

P750 Power Amp (X2)

CAPACITORS

C759/760 (X2)	10uF/16V	Used Nichicon KL 10/16 Mouser 647-UKL1C100KDD1TD
C761 (X2)	22uF/25V	Nichicon KL 22/25 Digikey 493-14482-ND, Mouser 647-UKL1E220KDDANA

Not many parts to replace on these boards. Did not replace any semis.

P800 Power Supply

CAPACITORS

C801	470uF/63V	Used Nichicon FG 470/63 Digikey 493-10883-1-ND, Mouser 647-UFG1J471MHM
C802/804	330uF/50V	Nichicon FG 330/50 Mouser 647-UFG1H331MHM
C803	470uF/16V	Nichicon FG 470/16 Mouser 647-UFG1C471MPM
C805	3.3uF/50V	WIMA MKS2 3.3/50 Mouser 505-MKS23.3/50/10
C806	10uF/50V	Elna Silmic II 10/50 Mouser 555-RFS50V100MG3#5
C807	220uF/16V	Panasonic FC 220/16 Digikey P11199-ND, Mouser 667-EEU-FC1C221
C810	47uF/16V	Elna Silmic II 47/25 Digikey 604-1054-ND, Mouser 555-RFS25V470MG3#5

SEMIS

H801/802/

811/812/

813

Diode S1B-01-02 Used UF-4005 Mouser 512-UF4005

H808

2SC945

Used KSC945CYTA (ECB) Mouser 512-KSC945CYTA

H809/810

2SC1213A

Used KSC2383YTA (ECB) Mouser 512-KSC2383YTA

(careful with pin location. Board perfs are EBC)

RELAY

Omron 24V

Digikey Z182-ND, Mouser 653-MY2-DC24

MAIN OUTPUT TRANSISTORS

These do not need to be replaced unless they test bad. If they should need replacing, use Mouser part numbers 863-MJ21193G and 863-MJ21194G – one pair per channel.

Most of the above have alternatives. These are just a starting place to save some time.

Mburas suggests that any big brown film capacitors on the phono, preamp or amp boards be kept. If they are green, red or gray, replace them with the parts listed above.

Thanks to Audiokarma members Catrafter and MBuras for most of the above information.