

Please file and use this manual together with the Service Manual for Model No. RX-DS520, Order No : MD9510125C1.

Note: • This Simplified Service Manual is provided to indicate the main differences between the original model no. RX-DS520(P) and the subsequent model RX-DS515 (P/PC).

Parts Comparison Table

CHANGES

Notes : 1. Important safety notice :

Component identified by A mark have special characteristics important for safety.

Furthermore, special parts which have purpose of fire-retardant (resistors), high quality sound (capacitors), low noise (resistors), etc. are used. When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

2. [M] Indicates parts that are supplied by MESA.

	Description		Change of Parts Number				
Ref. No.			RX-DS520 (P) (Original)		RX-DS515 (P/PC)		Remarks
CABINET AND CH	ASSIS						
24	CD FUNCTION BUTTON		RGUX0120-H	[M]	RGUX0120A-K	[M]	Changed
27	FRONT CABINET ASS'Y		RFKGXDS520PK	[M]	RFKGXDS515PK	[M]	Changed
30	REAR CABINET ASS'Y	(P)	RFKHXDS520PK	[M]	RFKHXDS515PK	[M]	Changed
30	REAR CABINET ASS'Y	(PC)	RFKHXDS520PK	[M]	RFKHXDS515PC	[M]	Changed
37	CLAMPER ASS'Y		RFKNXDT680PB	[M]	RFKNRXDS15PA	[M]	Changed
38	CASSETTE HOLDER ASS'Y		RFKLXDS520PK	[M]	RFKLXDS515PK	[M]	Changed
39	CD FFC (WIRE)		REE0275-M	[M]	REEX0022	[M]	Changed
41	CD OPEN SPRING		RME0147	[M]	RMEX0003-1	[M]	Changed
42	XBAS TUNING KNOB				RGWX0023-K	[M]	Added
43	LEAF SWITCH COVER				RMR0897-K	[M]	Added
INTEGRATED CIR	CUITS						
IC90	IC,NANDGATE		UPD4011BC				Deleted
IC303	IC,MICRO-P		UPD753204013	[M]	UPD753204015	[M]	Changed

This service information is designed for experience repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.



© 1996 Matsushita Electronics (S) Pte. Ltd.. All rights reserved. Unauthorized copying and distribution is a violation of law.

RX-DS515

Ref. No.	Description		Change o RX-DS520 (P) (Original)		f Parts Number RX-DS515 (P/PC)		Remarks	
IC401	IC,GRAPHIC EQ		AN7330K				Deleted	
TRANSISTORS							· · · · · · · · · · · · · · · ·	
Q90	TRANSISTOR		2SC1740SRTA		-		Deleted	
Q170	TRANSISTOR				2SC2785FTA		Added	
Q270	TRANSISTOR				2SC2785FTA		Added	
DIODE	···					I.		
D90 ~ D96	DIODE		RVD1SS133TA				Deleted	
VARIABLE RESIST	ORS			1				
VR352	VR,XBS		· · · · · · · · · · · · · · · · · · ·		EWCU0AF20G54	[M]	Added	
VR401 ~ VR404	VR (330Hz, 1kHz, 10kHz, XBA	LS)	EWAJQDV06G54	M			Deleted	
CONNECTORS				لـــــــــــــــــــــــــــــــــــــ		I.		
CP401	7P CONNECTOR		RJS1A5207			•	Deleted	
FUSES		····		I				*****
F502	FUSE	(PC)			XBA1C25NBAL	M	Added	Â
FUSE CLIPS	L.,	. ,	l	1				
FC1 ~ FC2	FUSECLIP	and a second second	EYF52BC		RJR0169T	[M]	Changed	
FC3 ~ FC4	FUSE CLIP	(PC)			RJR0169T	[M]	Added	
PACKING MATERI		(10)	·····	ł			Added	
P1	GIFT BOX	(P)	RPGX0229	м	RPGX0245	[M]	Changed	
P1	GIFT BOX	(PC)	RPGX0229	- 1	RPGX0246	[M]	Changed	
ACCESSORIES		(10)	KI UKU223	[191]	RI GAU240	[IVI]	Changeu	
Al	INSTRUCTION MANUAL	(P)	RQT3228-P	na	RQT3474-1P	mal	Changed	
Al	INSTRUCTION MNL ASS'Y	(PC)	RQT3228-P		RFKSXDS515PC	[M] [M]	Changed	
RESISTORS		(rc)	KQ13226-F		RFR5AD5515FC		Changed	
R90 ~ R91	RESISTOR 2.2kΩ 1/4		EDDSOTIOOOT					
R90 ~ R91			ERDS2TJ222T				Deleted	
R92 ~ R94			ERDS2TJ103T				Deleted	
	RESISTOR 100kΩ 1/4		ERDS2TJ104T		· · · · · · · · · · · · · · · · · · ·		Deleted	
R95	RESISTOR 2.2kΩ 1/4		ERDS2TJ222T				Deleted	
R96	RESISTOR 120kΩ 1/4		ERDS2TJ124T				Deleted	
R97	RESISTOR 47kΩ 1/4		ERDS2TJ473T				Deleted	
R107	RESISTOR 27kΩ 1/4		ERDS2TJ393T		ERDS2TJ273T		Changed	
R108	RESISTOR 82kΩ 1/4		ERDS2TJ393T		ERDS2TJ823T		Changed	
R109	RESISTOR 100Ω 1/4		ERDS2TJ103T		ERDS2TJ101T		Changed	
R111	RESISTOR 12kΩ 1/4		ERDS2TJ273T		ERDS2TJ123T		Changed	
R112	RESISTOR 8.2kΩ 1/4	W	ERDS2TJ472T		ERDS2TJ822T		Changed	
R113	RESISTOR 100Ω 1/4		ERDS2TJ223T		ERDS2TJ101T		Changed	
R115	RESISTOR 4.7kΩ 1/4	W	ERDS2TJ472T				Deleted	
R171	RESISTOR 4.7kΩ 1/4	W			ERDS2TJ472T		Added	
R172	RESISTOR 100kΩ 1/4	W			ERDS2TJ104T		Added	
R173	RESISTOR 4.7kΩ 1/4	W			ERDS2TJ472T		Added	
R174	RESISTOR 470kΩ 1/4	W			ERDS2TJ474T		Added	
R175	RESISTOR 1kΩ 1/4	W			ERDS2TJ102T		Added	
R181	RESISTOR 33kΩ 1/4	W			ERDS2TJ333T		Added	
R207	RESISTOR 27kΩ 1/4	W	ERDS2TJ393T		ERDS2TJ273T		Changed	
R208	RESISTOR 82kΩ 1/4	W	ERDS2TJ393T		ERDS2TJ823T		Changed	
R209	RESISTOR 100Ω 1/4	W	ERDS2TJ103T		ERDS2TJ101T		Changed	
R211	RESISTOR 12kΩ 1/4	W	ERDS2TJ273T		ERDS2TJ123T		Changed	
R212	RESISTOR 8.2kΩ 1/4	17	ERDS2TJ472T		ERDS2TJ822T		Changed	

RX-DS515

		Change of Parts Numb	
Ref. No.	Description	RX-DS520 (P) (Original)	I5 (P/PC) Remarks
R213	RESISTOR 100Ω 1/4W	ERDS2TJ223T ERDS2TJ10	01T Changed
R215	RESISTOR 4.7kΩ 1/4W	ERDS2TJ472T	Deleted
R271	RESISTOR 4.7kΩ 1/4W	ERDS2TJ47	2T Added
R272	RESISTOR 100kΩ 1/4W	ERDS2TJ10	Added
R273	RESISTOR 4.7kΩ 1/4W	ERDS2TJ47	72T Added
R274	RESISTOR 470kΩ 1/4W	ERDS2TJ47	74T Added
R275	RESISTOR 1kΩ 1/4W	ERDS2TJ10	02T Added
R281	RESISTOR 33kΩ 1/4W	ERDS2TJ33	33T Added
R801	RESISTOR 10kΩ 1/4W	ERDS2TJ103T	Deleted
R802	RESISTOR 8.2kΩ 1/4W	ERDS2TJ822T	Deleted
R803	RESISTOR 33kΩ 1/4W	ERDS2TJ333T	Deleted
R901	RESISTOR 10kΩ 1/4W	ERDS2TJ103T	Deleted
R902	RESISTOR 8.2kΩ 1/4W	ERDS2TJ822T	Deleted
R903	RESISTOR 33kΩ 1/4W	ERDS2TJ333T	Deleted
CAPACITORS			
Cll	CAPACITOR 22pF 50V	ECBT1H220JC5 ECBT1H12	20JC5 Changed
C30	CAPACITOR 5.6pF 50V	ECBT1H5R6KC5 ECBT1H6	R8KC5 Changed
<u>C40</u>	CAPACITOR 10pF 50V	ECBT1H10	OOJC5 Added
<u>C40</u> C90 ~ C91	CAPACITOR 4.7µF 50V	ECEA1HU4R7B	Deleted
C90 ~ C91	CAPACITOR 0.01µF 16V	ECBT1C103MS5	Deleted
	CAPACITOR 0.033µF 16V	ECFR1C153MR ECFR1C33	3MR Changed
C120	CAPACITOR 0.1µF 50V	ECBT1H10	Added
C171	CAPACITOR 0.1µF 16V	ECFR1C10	
C172	CAPACITOR 1µF 50V	ECEA1HU	
C173	CAPACITOR 10 50V	ЕСВТ1Н3	
C174	chanton off	ECEA1HU	
C175	childen on	ECFR1C153MR ECFR1C3	
C220			
C271		ECFR1C10	
C272	Children and	ECEA1HU	
C273		ECBT1H3	
C274	0.11.000.001	ECEA1HU	
C275	CAPACITOR 1µF 50V	ECEAIAU	
C337	CAPACITOR 100µF 10V		Deleted
C400	CAPACITOR 100µF 10V	ECEAIAKA101B	Deleted
C801	CAPACITOR 470pF 50V	ECBT1H471KB5	Deleted
C802	CAPACITOR 0.022µF 6.3V	ECBT0J223MS5	Deleted
C803	CAPACITOR 6800pF 16V	ECBT1C682MR5	Deleted
C811	CAPACITOR 0.1µF 16V	ECFR1C104MR	Deleted
C812	CAPACITOR 0.01µF 16V	ECFR1C103MR	Deleted
C820	CAPACITOR 1µF 50V	ECEA1HKA010B	
C821	CAPACITOR 10µF 16V	ECEA1CKA100B	Deleted
C822	CAPACITOR 1µF 50V	ECEA1HKA010B	Deleted
C823	CAPACITOR 0.68µF 50V	ECEA1HKAR68B	Deleted
C824	CAPACITOR 0.22µF 50V	ECEA1HKAR22B	Deleted
C825	CAPACITOR 0.1µF 50V	ECEA1HKA0R1B	Deleted
C826	CAPACITOR 1µF 50V	ECEA1HKA010B	Deleted
C901	CAPACITOR 470pF 50V	ECBT1H471KB5	Deleted
C902	CAPACITOR 0.022µF 6.3V	ECBT0J223MS5	Deleted

Ref. No.	Description		Change of Parts Number			
			RX-DS520 (P) (Original)	RX-DS515 (P/PC)	Remarks	
C903	CAPACITOR 6800pF	16V	ECBT1C682MR5	· · · · · · · · · · · · · · · · · · ·	Deleted	
C911	CAPACITOR 0.1µF	16V	ECFR1C104MR		Deleted	
C912	CAPACITOR 0.01µF	16V	ECFR1C103MR		Deleted	
C920	CAPACITOR 1µF	50V	ECEA1HKA010B		Deleted	
C921	CAPACITOR 10µF	16V	ECEA1CKA100B		Deleted	
C922	CAPACITOR 1µF	50V	ECEA1HKA010B		Deleted	
C923	CAPACITOR 0.68µF	50V	ECEA1HKAR68B	······	Deleted	
C924	CAPACITOR 0.22µF	50V	ECEA1HKAR22B		Deleted	
C925	CAPACITOR 0.1µF	50V	ECEA1HKA0R1B		Deleted	
C926	CAPACITOR 1µF	50V	ECEA1HKA010B		Deleted	

Cabinet Parts Differences

Note: These differences apply to 'Operation Checks and Main Component Replacement Procedures' and "Cabinet Parts Location"



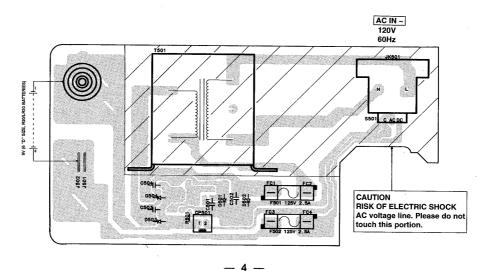
Printed Circuit Board

D G.E.Q. P.C.B. (REPX0099) ... DELETED

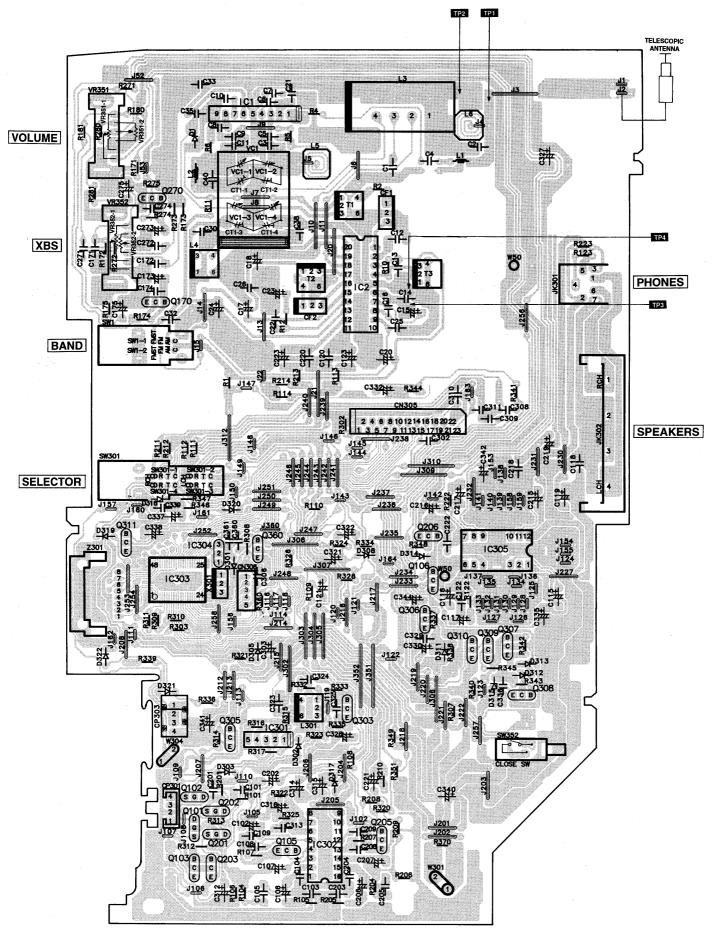
OPERATIONAL P.C.B. (REPX0098 ==> REPX0098B)

F SWITCH P.C.B. (REPX0098 ==> REPX0098B)

C POWER P.C.B. (REPX0100A) ... For PC area only

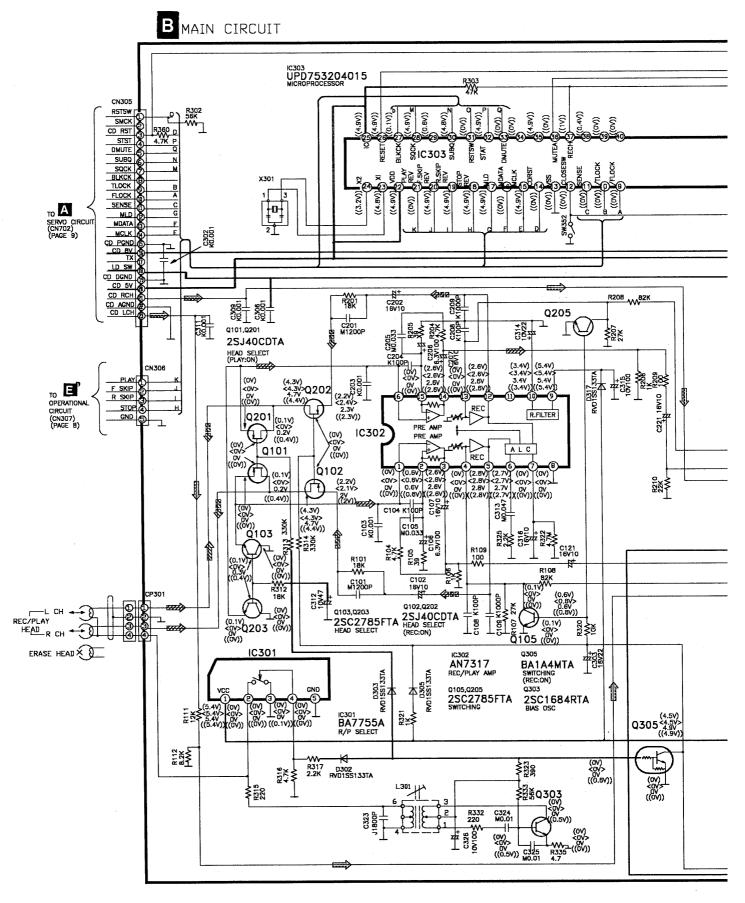


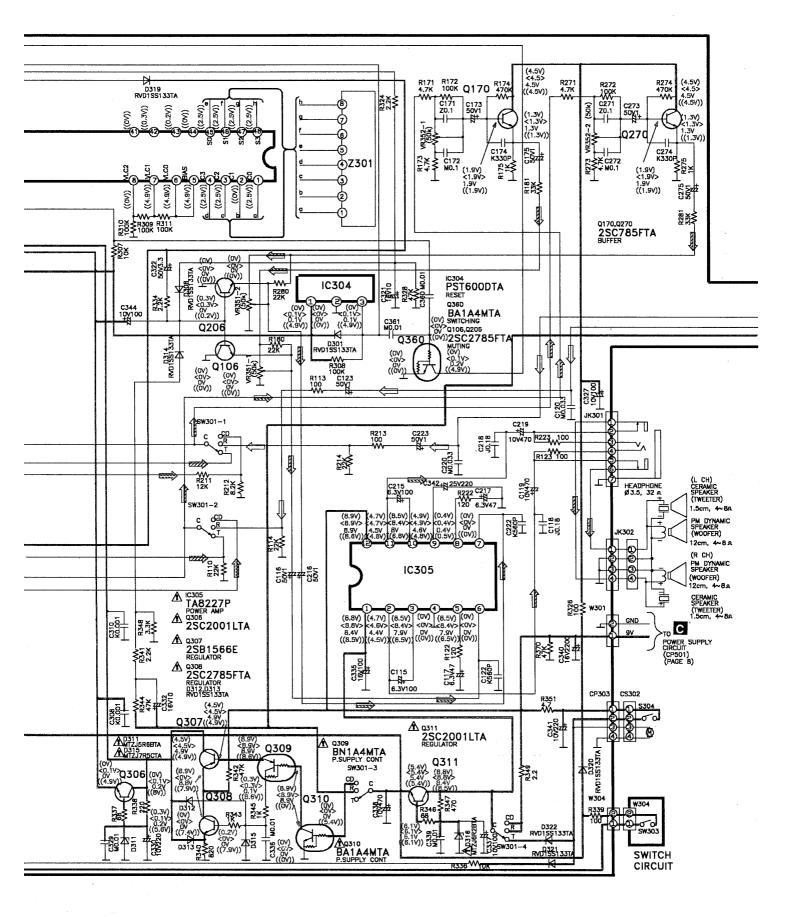
B MAIN P.C.B. (REPX0098 ==> REPX0098B)

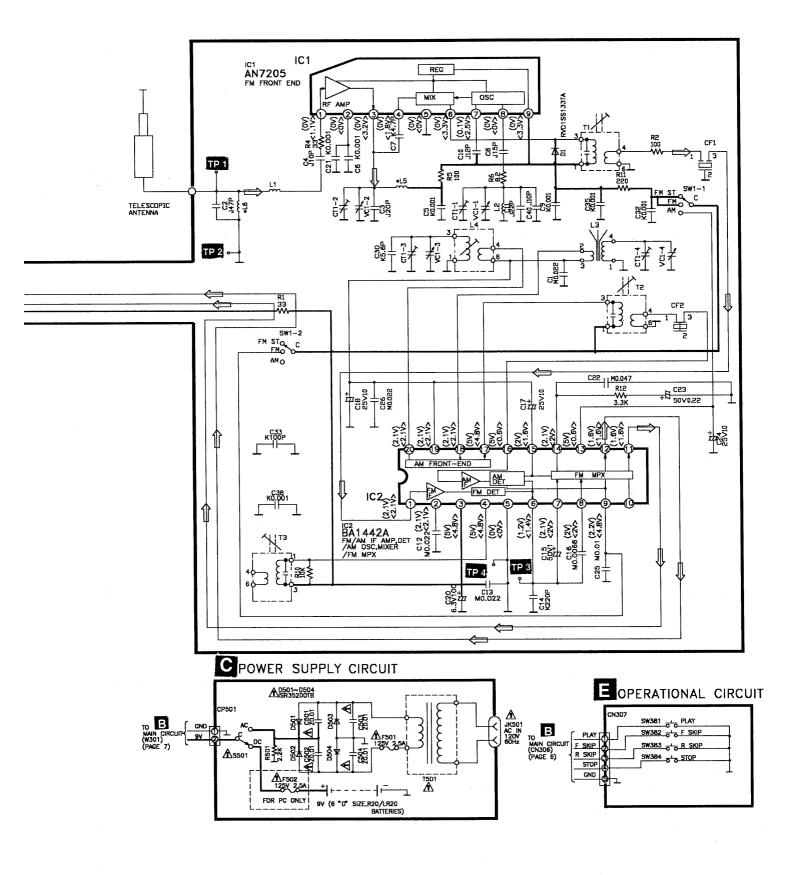


Schematic Diagram

D G.E.Q. CIRCUIT ... DELETED







MESA Printed in Singapore P960303700S/A/C/R

- 8 ---