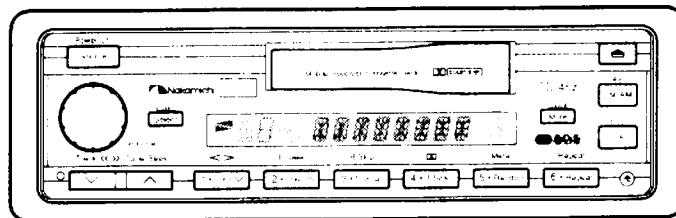


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Service Manual

Mobile Receiver / Cassette Deck

TD-45z RDS TD-35z RDS



 Nakamichi

1.3. Package and Accessory Ass'y

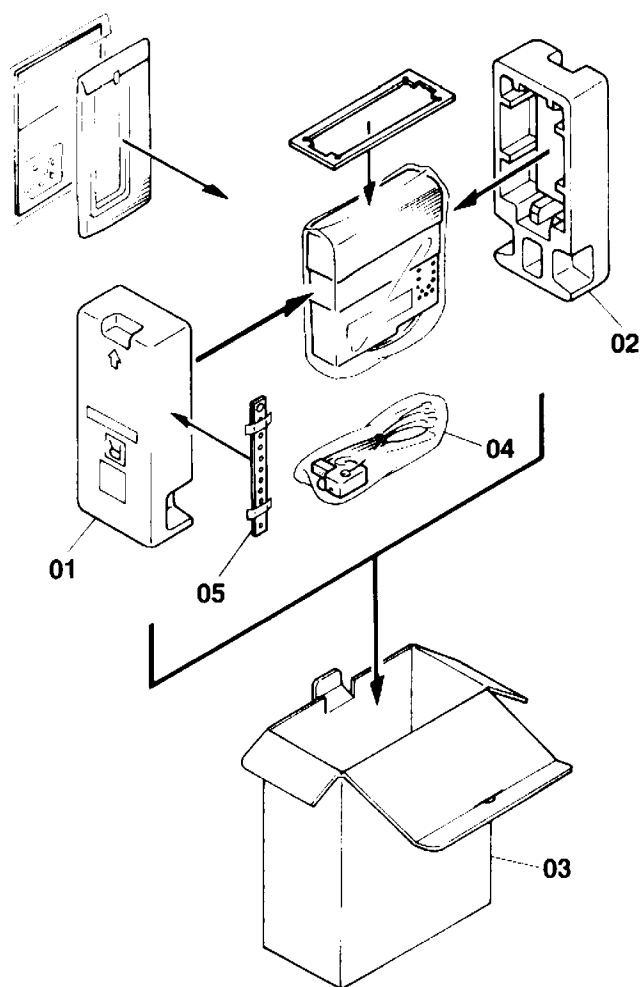


Fig. 1.1

• TD-45z RDS

Schematic Ref. No.	Part No.	Description	Q'ty
—	—	Package and Accessory Ass'y (TD-45z RDS)	
01	0F05265C	Packing R	1
02	0F05236C	Packing L	1
03	0F05479A	Inner Carton	1
04	0B85263A	14P Wire Ass'y W-SP	1
05	0J07417A	Metal Stay	1
—	0F05417A	Outer Carton	1
—	0F05417A	Outer Carton	1
—	0D07236A	Owner's Manual (German/Spanish)	1
—	DA05377A	Remote Ass'y	1
—	0B90462A	Battery UM4x1	2
—	0B90359A	Masking Tape	4
—	0D06960A	Magic Tape A	1
—	0D06961A	Magic Tape B	1
—	0D06962A	Magic Tape C	1
—	0H07542A	Panel Flame	1
—	0H08214C	Carrying Case	1
—	0J07428A	Rubber Cap	1
—	0J08038A	Carrying Cushion	1
—	DG05182A	Screw Kit	1
—	DG05369A	Spare Fuse Kit	1

• TD-35z RDS

Schematic Ref. No.	Part No.	Description	Q'ty
—	—	Package and Accessory Ass'y (TD-35z RDS)	
01	0F05265C	Packing R	1
02	0F05236C	Packing L	1
03	0F05478A	Inner Carton	1
04	0B85263A	14P Wire Ass'y W-SP	1
05	0J07417A	Metal Stay	1
—	0F05419A	Outer Carton	1
—	0D07236A	Owner's Manual (German/Spanish)	1
—	0B90359A	Masking Tape	4
—	0H07542A	Panel Flame	1
—	0H08214C	Carrying Case	1
—	0J07428A	Rubber Cap	1
—	0J08038A	Carrying Cushion	1
—	DG05182A	Screw Kit	1
—	DG05369A	Spare Fuse Kit	1

2. MECHANISM ASS'Y AND PARTS LIST

2.1 Synthesis

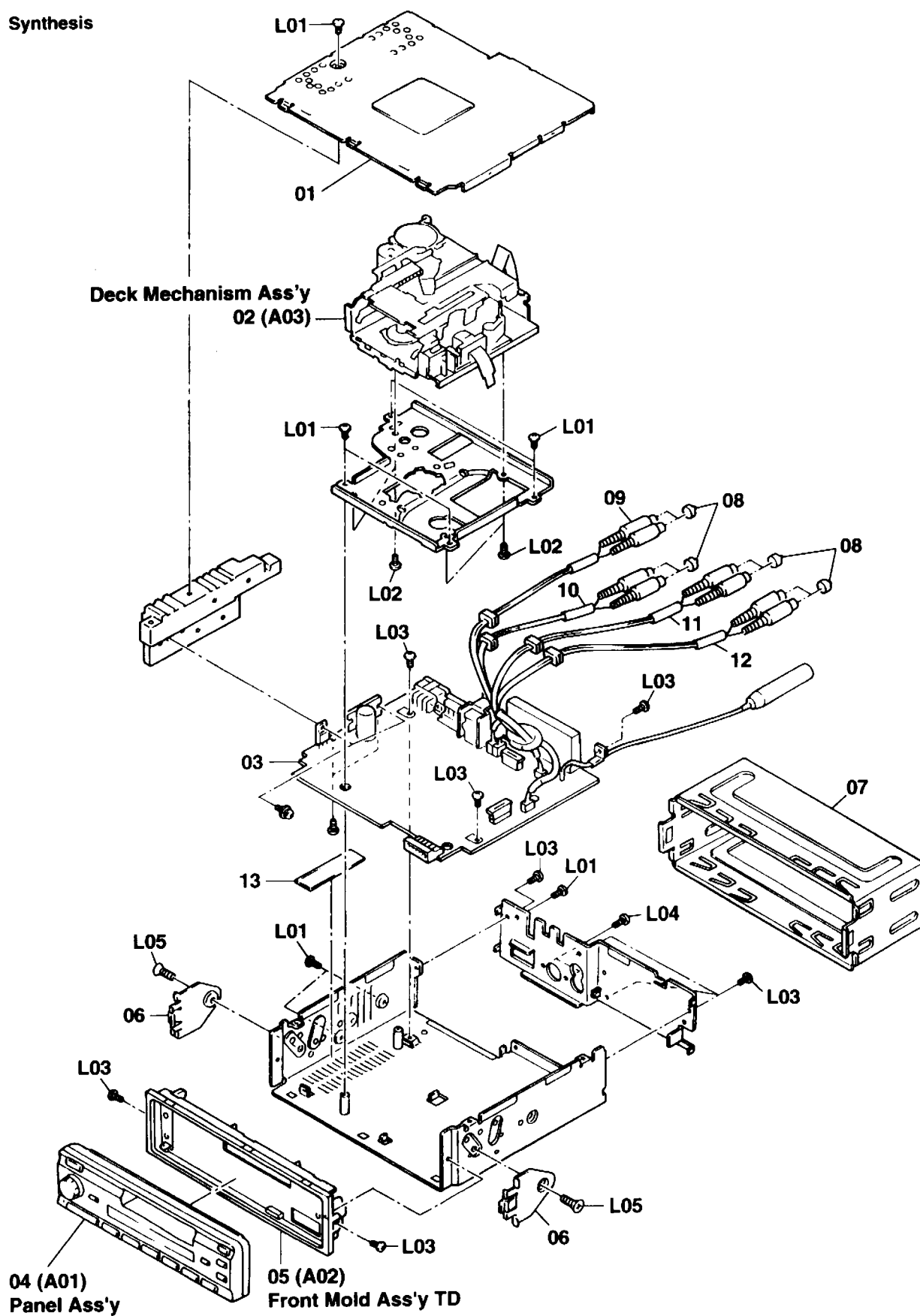


Fig. 2.1

TD-45z RDS**2.1.1. Synthesis (TD-45z RDS)**

Schematic Ref. No.	Part No.	Description	Q'ty
Synthesis (TD-45z RDS)			
01	QJ07993A	Top Cover	1
02	CG09375A	Deck Mechanism Ass'y	1
03	BA10152A	Main P.C.B. Ass'y RDS	1
04	HA08103A	Panel Ass'y RDS <u>Green</u>	1
	HA08105A	Panel Ass'y RDS <u>Amber</u>	1
05	HA07818A	Front Mold Ass'y TD	1
06	QJ07968B	Lock Plate	2
07	HG07456B	Sleeve Ass'y	1
08	0B84524A	Cap	8
09	0B85309A	2P RCA Wire SW-OUT (Gold) [CN304]	1
10	0B85308A	2P RCA Wire P-OUT (Gold) [CN303]	1
11	0B85307A	2P RCA Wire AUX2IN (Gold) [CN301]	1
12	0B85306A	2P RCA Wire AUX-IN (Gold) [CN302]	1
13	QJ08328A	Insulator Main A	1
L01	0E00896A	M3x6 + Binding	
L02	0E04047A	M3x3 + Binding	
L03	0E00877A	ST3x5 + Binding	
L04	0E00818A	M3x8 + Binding (Black)	
L05	0E03828A	M5x8 + Countersunk	

TD-35z RDS**2.1.2. Synthesis (TD-35z RDS)**

Schematic Ref. No.	Part No.	Description	Q'ty
Synthesis (TD-35z RDS)			
01	QJ07993A	Top Cover	1
02	CG09374A	Deck Mechanism Ass'y TN708	1
03	BA10151A	Main P.C.B. Ass'y RDS	1
04	HA08102A	Panel Ass'y RDS <u>Green</u>	1
	HA08104A	Panel Ass'y RDS <u>Amber</u>	1
05	HA07818A	Front Mold Ass'y TD	1
06	QJ07968B	Lock Plate	2
07	HG07456B	Sleeve Ass'y	1
08	0B84524A	Cap	2
09	—		
10	—		
11	0B85306A	2P RCA Wire AUX-IN (Gold) [CN301]	1
12	—		
13	QJ08328A	Insulator Main A	1
L01	0E00896A	M3x6 + Binding	
L02	0E04047A	M3x3 + Binding	
L03	0E00877A	ST3x5 + Binding	
L04	0E00818A	M3x8 + Binding (Black)	
L05	0E03828A	M5x8 + Countersunk	

2.2. Panel Ass'y (A01)

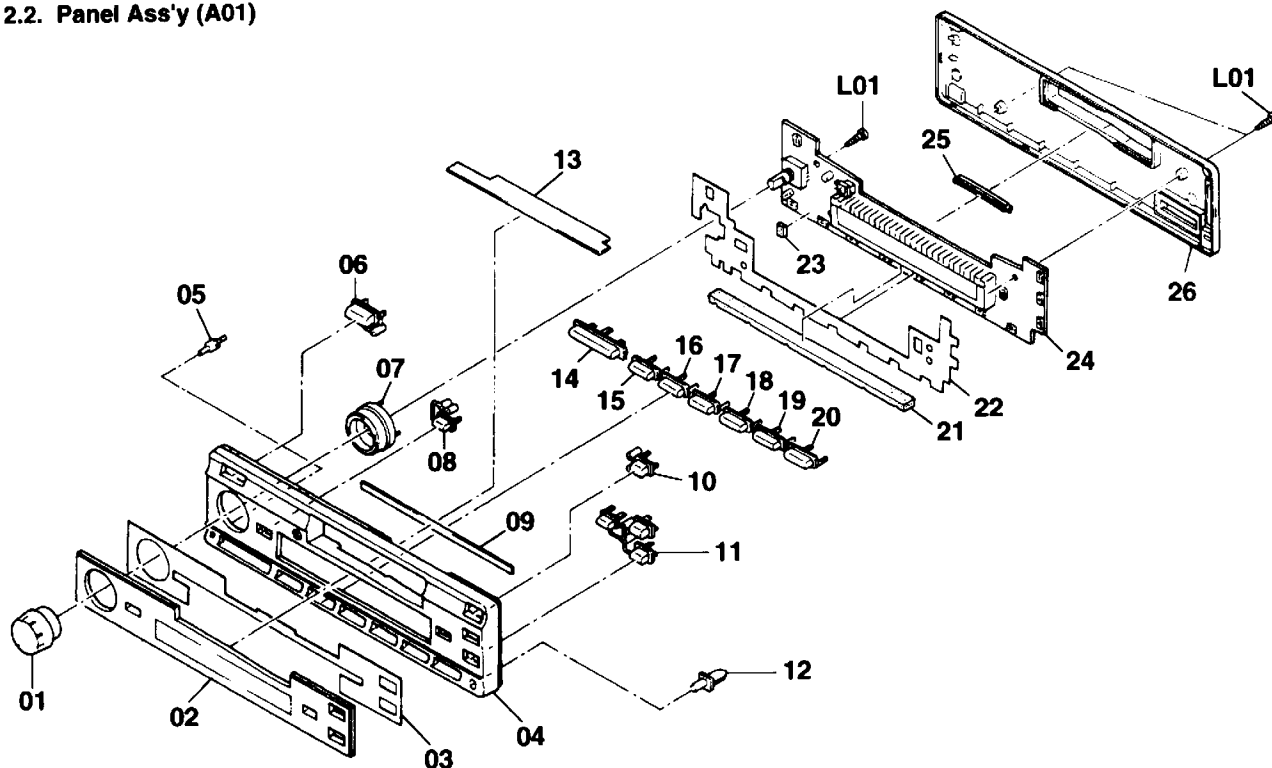


Fig. 2.2

TD-45z RDS

2.2.1. Panel Ass'y (A01) (TD-45z RDS)

Schematic Ref. No.	Part No.	Description	Q'ty
A01	HA08103A	Panel Ass'y RDS <u>Green</u> EP	1
	HA08105A	Panel Ass'y RDS <u>Amber</u> EP (TD-45z RDS)	1
01	0H08162C	VR Knob TD/CD	1
02	0H08436A	Front Plate	1
03	0J08344A	W Face F P TD/CD	1
04	0H07994D	Front Panel	1
05	0H08209D	Reset Knob TD/CD	1
06	0H08205A	Source Knob	1
07	0H08164C	VR Illumination TD/CD	1
08	0H08165B	Selector Konb TD/CD	1
09	0J08307A	Conduction Sheet	1
10	0H08167A	Eject Knob TD/CD	1
11	0H08434A	TU TA Knob	1
12	0H07641D	Release Knob	1
13	0J08306A	LCD Insulator	1
14	0H08203A	TS Knob	1
15	0H08173A	Preset Knob D DOWN	1
16	0H08174A	Preset Knob D UP	1
17	0H08175A	Preset Knob D SCAN	1
18	0H08176A	Preset Knob T SCAN	1
19	0H08177A	Preset Knob RANDOM	1
20	0H08178A	Preset Knob REPEAT	1
21	0J08302A	Knob Cushion A	1
22	0J08298A	LED Filter <u>Amber</u>	1
23	0J08303B	Knob Cushion B	1
24	BA10115A	Front P.C.B. A'ssy RDS <u>Green</u>	1
	BA10117A	Front P.C.B. A'ssy RDS <u>Amber</u>	1
25	0H08211B	Lens TD	1
26	0H07550C	Rear Cover	1
L01	0E03814A	PT2x8 + Binding (Black)	1

TD-35z RDS

2.2.2. Panel Ass'y (A01) (TD-35z RDS)

Schematic Ref. No.	Part No.	Description	Q'ty
A01	HA08102A	Panel Ass'y RDS <u>Green</u>	1
	HA08104A	Panel Ass'y RDS <u>Amber</u> (TD-35z RDS)	1
01	0H08162C	VR Knob TD/CD	1
02	0H08435A	Front Plate	1
03	0J08344A	W Face F P TD/CD	1
04	0H07994D	Front Panel	1
05	0H08209D	Reset Knob TD/CD	1
06	0H08205A	Source Knob	1
07	0H08164C	VR Illumination TD/CD	1
08	0H08165B	Selector Konb TD/CD	1
09	0J08307A	Conduction Sheet	1
10	0H08167A	Eject Knob TD/CD	1
11	0H08434A	TU TA Knob	1
12	0H07641D	Release Knob	1
13	0J08306A	LCD Insulator	1
14	0H08203A	TS Knob	1
15	0H08173A	Preset Knob D DOWN	1
16	0H08174A	Preset Knob D UP	1
17	0H08175A	Preset Knob D SCAN	1
18	0H08176A	Preset Knob T SCAN	1
19	0H08177A	Preset Knob RANDOM	1
20	0H08178A	Preset Knob REPEAT	1
21	0J08302A	Knob Cushion A	1
22	0J08298A	LED Filter TD/CD <u>Amber</u>	1
23	0J08303B	Knob Cushion B	1
24	BA10116A	Front P.C.B. Ass'y RDS <u>Green</u>	1
	BA10118A	Front P.C.B. Ass'y RDS <u>Amber</u>	1
25	0H08211B	Lens TD	1
26	0H07550C	Rear Cover	1
L01	0E03814A	PT2x8 Binding (Black)	1

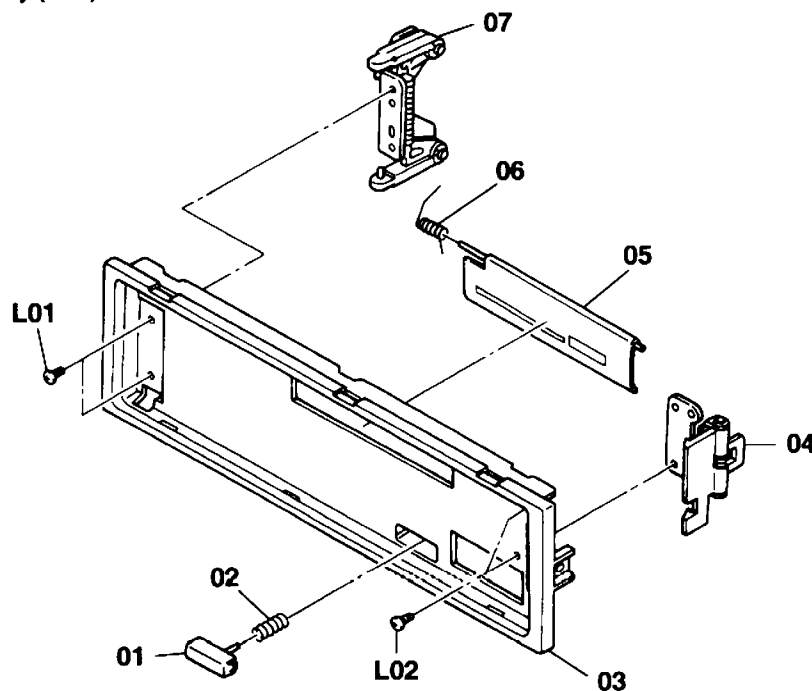
2.3. Front Mold Ass'y (A02)

Fig. 2.3

TD-45z RDS**2.3.1. Front Mold Ass'y (A02) (TD-45z RDS)**

Schematic Ref. No.	Part No.	Description	Q'ty
A02	HA07818A	Front Mold Ass'y TD (TD-45z RDS)	1
01	0J07962A	Push Button	1
02	0J08343A	P.B Spring TD/CD	1
03	0H08160C	Front Base TD	1
04	JA04929B	Arm R Ass'y	1
05	0H08213C	Cassette Door	1
06	0J07984A	Cassette Door Spring	1
07	JA04930A	Arm L Ass'y	1
—	0J08336A	Door Stopper	1
L01	0E00922A	M2x3 + Pan (Black)	
L02	0E04171A	M2x4 + Binding (Black)	

TD-35z RDS**2.3.2. Front Mold Ass'y (A02) (TD-35z RDS)**

Schematic Ref. No.	Part No.	Description	Q'ty
A02	HA07818A	Front Mold Ass'y TD (TD-35z RDS)	1
01	0J07962A	Push Button	1
02	0J08343A	P.B Spring TD/CD	1
03	0H08160C	Front Base TD	1
04	JA04929B	Arm R Ass'y	1
05	0H08213C	Cassette Door	1
06	0J07984A	Cassette Door Spring	1
07	JA04930A	Arm L Ass'y	1
—	0J08336A	Door Stopper	1
L01	0E00922A	M2x3 + Pan #0 Type3 (Black)	
L02	0E04171A	M2x4 + Binding (Black)	

2.4. Deck Mechanism Ass'y (A03)

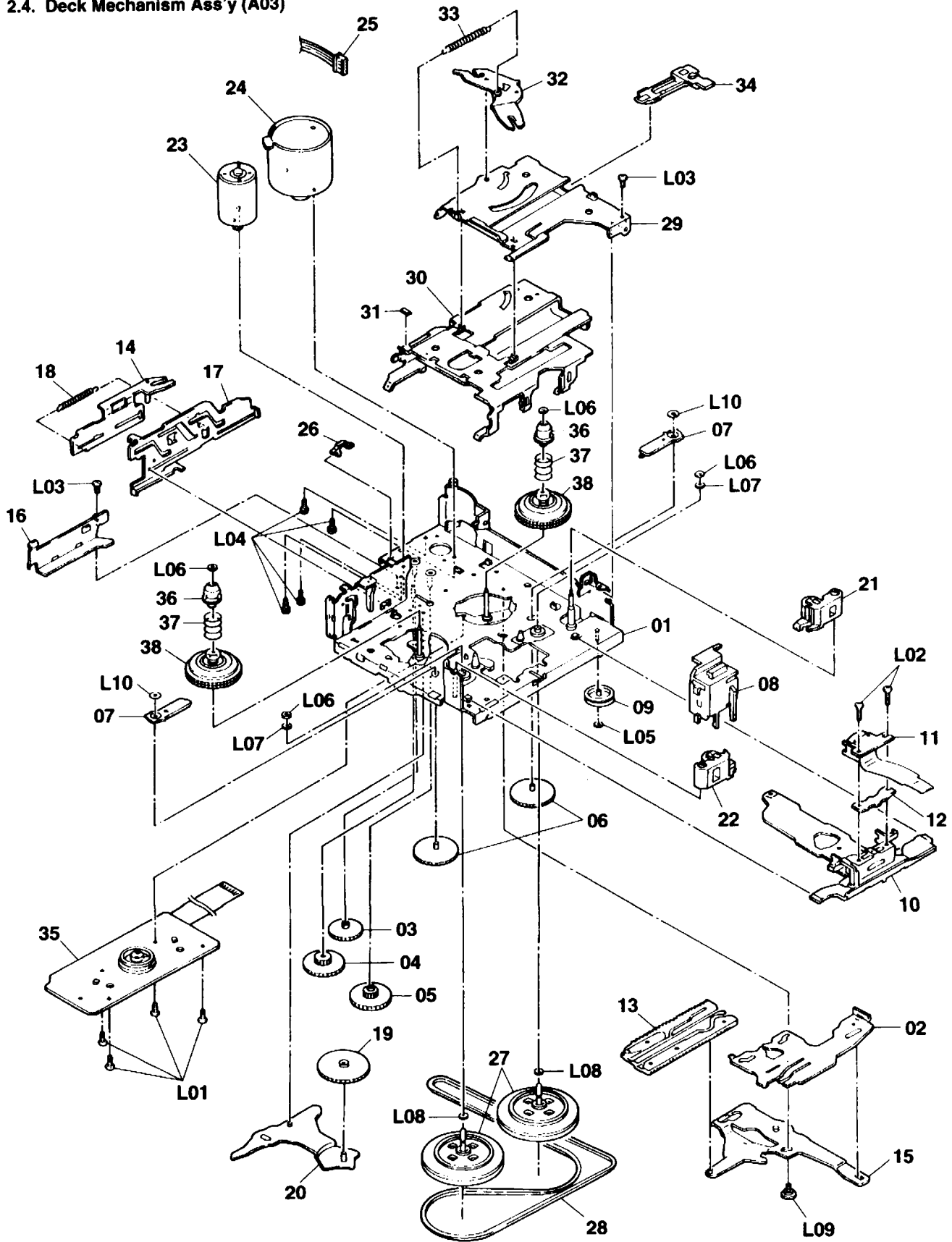


Fig. 2.4

TD-45z RDS**2.4.1. Deck Mechanism Ass'y (A03) (TD-45z RDS)**

Schematic Ref. No.	Part No.	Description	Q'ty
A03	CG09375A	Deck Mechanism Ass'y (TD-45z RDS)	1
01	CG09418A	Chassis Rivet Ass'y (KW)	1
02	2C00443A	Main Plate	1
03	2C00444A	B Gear	1
04	2C00445A	C Gear	1
05	2C00446A	D Gear	1
06	2C00447A	P Gear W	2
07	2C00448A	P.G Plate	2
08	2C00449A	Guide Bracket	1
09	2C00450A	Middle Pulley	1
10	CG09419A	Head Panel Ass'y	1
11	2C00451A	P Head HAGTK2517A	1
12	2C00453A	Head Spring Plate	1
13	CG09420A	O.P Plate Ass'y	1
14	CG09421A	Eject Lever Rivet Ass'y (T)	1
15	CG09422A	S.B Plate Rivet Ass'y	1
16	2C00454A	O.P Plate Holder A	1
17	2C00455A	Eject Lever A	1
18	2C00456A	E Lever Spring	1
19	2C00457A	FR Gear	1
20	2C00458A	FR Plate	1
21	CG09423A	Pinch Roller Arm (F) Ass'y	1
22	CG09424A	Pinch Roller Arm (R) Ass'y	1
23	CG09425A	Sub Motor Ass'y	1
24	CG09426A	Main Motor Ass'y	1
25	CG09427A	M Connector Ass'y	1
26	2C00459A	Wire Clamper	1
27	CG09428A	FL Capstan Ass'y	2
28	2C00460A	Main Belt (G)	1
29	2C00461A	Case Lifter B	1
30	2C00462A	Cassette Case	1
31	2C00463A	Cushion Rubber	1
32	2C00464A	P.S Actuator Plate	1
33	2C00465A	P.S Spring	1
34	2C00466A	Pack Slider	1
35	CG09429A	Reel P.C.B. Ass'y	1
36	2C00467A	Reel Cap	2
37	2C00468A	Reel Wing Spring	2
38	CG09430A	Reel Ass'y (K)	2
L01	2E00106A	Camera Tapping Screw S 2.0x2.5	
L02	2E00107A	Adjust Screw 2.0x13	
L03	2E00108A	Camera Tapping Screw S 2.0x3.0	
L04	2E00109A	Tams Screw 2.0x3.0	
L05	2E00110A	P. Washer (Cut) 0.85x2.8x0.25	
L06	2E00111A	P. Washer (Cut) 1.55x3.5x0.5	
L07	2E00112A	P. Washer 2.1x3.5x0.2	
L08	2E00113A	P. Washer 2.1x3.5x0.35	
L09	2E00114A	PK Collar Screw A	
L10	2E00115A	HLW Washer (Cut) 2.1x4.0x0.35	

TD-35z RDS**2.4.2. Deck Mechanism Ass'y (A03) (TD-35z RDS)**

Schematic Ref. No.	Part No.	Description	Q'ty
A03	CG09374A	Deck Mechanism Deck (TD-35z RDS)	1
01	CG09418A	Chassis Rivet Ass'y (KW)	1
02	2C00443A	Main Plate	1
03	2C00444A	B Gear	1
04	2C00445A	C Gear	1
05	2C00446A	D Gear	1
06	2C00447A	P Gear W	2
07	2C00448A	P.G Plate	2
08	2C00449A	Guide Bracket	1
09	2C00450A	Middle Pulley	1
10	CG09419A	Head Panel Ass'y	1
11	2C00452A	P Head HAGTK2503A	1
12	2C00453A	Head Spring Plate	1
13	CG09420A	O.P Plate Ass'y	1
14	CG09421A	Eject Lever Rivet Ass'y (T)	1
15	CG09422A	S.B Plate Rivet Ass'y	1
16	2C00454A	O.P Plate Holder A	1
17	2C00455A	Eject Lever A	1
18	2C00456A	E Lever Spring	1
19	2C00457A	FR Gear	1
20	2C00458A	FR Plate	1
21	CG09423A	Pinch Roller Arm (F) Ass'y	1
22	CG09424A	Pinch Roller Arm (R) Ass'y	1
23	CG09425A	Sub Motor Ass'y	1
24	CG09426A	Main Motor Ass'y	1
25	CG09427A	M Connector Ass'y	1
26	2C00459A	Wire Clamper	1
27	CG09428A	FL Capstan Ass'y	2
28	2C00460A	Main Belt (G)	1
29	2C00461A	Case Lifter B	1
30	2C00462A	Cassette Case	1
31	2C00463A	Cushion Rubber	1
32	2C00464A	P.S Actuator Plate	1
33	2C00465A	P.S Spring	1
34	2C00466A	Pack Slider	1
35	CG09429A	Reel P.C.B. Ass'y	1
36	2C00467A	Reel Cap	2
37	2C00468A	Reel Wing Spring	2
38	CG09430A	Reel Ass'y (K)	2
L01	2E00106A	Camera Tapping Screw S 2.0x2.5	
L02	2E00107A	Adjust Screw 2.0x13	
L03	2E00108A	Camera Tapping Screw S 2.0x3.0	
L04	2E00109A	Tams Screw 2.0x3.0	
L05	2E00110A	P. Washer (Cut) 0.85x2.8x0.25	
L06	2E00111A	P. Washer (Cut) 1.55x3.5x0.5	
L07	2E00112A	P. Washer 2.1x3.5x0.2	
L08	2E00113A	P. Washer 2.1x3.5x0.35	
L09	2E00114A	PK Collar Screw A	
L10	2E00115A	HLW Washer (Cut) 2.1x4.0x0.35	

Recommended Spare Parts List for Deck Mechanism Ass'y**TD-45z RDS**

No.	Part No.	Description
03	2C00444A	B Gear
04	2C00445A	C Gear
05	2C00446A	D Gear
06	2C00447A	P Gear W
08	2C00449A	Guide Bracket
11	2C00451A	P Head HAGTK2517A
21	CG09423A	Pinch Roller Arm (F) Ass'y
22	CG09424A	Pinch Roller Arm (R) Ass'y
23	CG09425A	Sub Motor Ass'y
24	CG09426A	Main Motor Ass'y
28	2C00460A	Main Belt (G)
30	2C00462A	Cassette Case
35	CG09429A	Reel P.C.B. Ass'y
38	CG09430A	Reel Ass'y (K)
L06	2E00111A	P. Washer (Cut) 1.55x3.5x0.5

TD-35z RDS

No.	Part No.	Description
11	2C00452A	P Head HAGTK2503A

TD-45z RDS

NOTES: 1. Abbreviations

TR – Transistor, SID – Silicon Diode, ZD – Zener Diode, Varicap – Variable Capacitance Diode
 RK – Carbon Resistor, RM – Metal Film Resistor, RF – Fail Safe Type Resistor,
 RC – Cement Resistor, CE – Electrolytic Capacitor, CML – Mylar Capacitor,
 CC – Ceramic Capacitor, CPP – PP Capacitor, CMM – Metalized Mylar Capacitor,
 CSP – Polystyrene Capacitor, C – Mica Capacitor, CT – Tantalum Capacitor

2. Description of capacitor: 10 16V = 10μ 16V

3. Parts marked with * show chip parts.

3.1.1. Front P.C.B. Ass'y Green (TD-45z RDS)

Schematic Ref. No.	Part No.	Description
	BA10115A	Front P.C.B. A'ssy RDS Green (TD-45z RDS)
U701	OB12843A	IC LC75824W*
U702	OB10856A	Remote Sensor SBX8035
D701,702	OB12815A	LED LT1K40A Green*
D703,704	OB12815A	LED LT1K40A Green*
D705,706	OB12815A	LED LT1K40A Green*
D707,708	OB12815A	LED LT1K40A Green*
D709,710	OB12815A	LED LT1K40A Green*
D711,712	OB12815A	LED LT1K40A Green*
D713,714	OB12815A	LED LT1K40A Green*
D715,716	OB12815A	LED LT1K40A Green*
D717,718	OB12815A	LED LT1K40A Green*
D719,720	OB12815A	LED LT1K40A Green*
D721,722	OB12815A	LED LT1K40A Green*
D723,724	OB12815A	LED LT1K40A Green*
D725,726	OB12815A	LED LT1K40A Green*
D727	OB12815A	LED LT1K40A Green*
LCD701	OB90893A	LCD
J701,702	OB25612A	RK 0 1/10W J*
R701,702	OB25524A	RK 240 1/10W J*
R703,704	OB25524A	RK 240 1/10W J*
R705,706	OB25524A	RK 240 1/10W J*
R707,708	OB25524A	RK 240 1/10W J*
R709	OB25524A	RK 240 1/10W J*
R710	OB20671A	RK 1 1/10W J*
R711	OB25507A	RK 47 1/10W J*
R712	OB25523A	RK 220 1/10W J*
R713	OB25525A	RK 270 1/10W J*
R714	OB25527A	RK 330 1/10W J*
R715	OB25531A	RK 470 1/10W J*
R716	OB25533A	RK 560 1/10W J*
R717	OB25537A	RK 820 1/10W J*
R718	OB25541A	RK 1.2K 1/10W J*
R719	OB25569A	RK 18K 1/10W J*
R720	OB25523A	RK 220 1/10W J*
R721	OB25525A	RK 270 1/10W J*
R722	OB25527A	RK 330 1/10W J*
R723	OB25531A	RK 470 1/10W J*
R724	OB25533A	RK 560 1/10W J*
R725	OB25537A	RK 820 1/10W J*
R726	OB25541A	RK 1.2K 1/10W J*
R727	OB25569A	RK 18K 1/10W J*
R728,729	OB25579A	RK 47K 1/10W J*
R730,731	OB25579A	RK 47K 1/10W J*
R732	OB25597A	RK 270K 1/10W J*
C701	OB40157A	CE 47 6.3V
C702,703	OB43092A	CC 0.1 25V Z*
C704	OB43092A	CC 0.1 25V Z*
C705	OB43062A	CC 100P 50V J*
C706,707	OB43210A	CC 1000P 50V J*
CN701	OB84985A	15P Connector A1
LP701,702	OB90821A	Lamp 115mA 5V Cap
SW701,702	OB70271A	Tact Switch
SW703,704	OB70271A	Tact Switch
SW705,706	OB70271A	Tact Switch
SW707,708	OB70271A	Tact Switch
SW709,710	OB70271A	Tact Switch
SW711,712	OB70271A	Tact Switch

Schematic

Ref. No.
 SW713,714
 SW715
 SW716

Part No.

Description

OB70271A Tact Switch
 OB70271A Tact Switch
 OB30215A Encoder
 OJ07986B LCD Holder (1)
 OJ07988A LCD Reflector (1)
 OJ08032A Remote Cushion (1)
 OJ08265A LCD Lens (1)
 OJ08345A Illumination Sheet TD/CD (1)
 OJ08347A Illumination Sheet VR (1)

3.1.2. Front P.C.B. Ass'y Amber (TD-45z RDS)

Schematic

Ref. No.
 BA10117A

Part No.

Description

	BA10117A	Front P.C.B. A'ssy RDS Amber (TD-45z RDS)
U701	OB12843A	IC LC75824W*
U702	OB10856A	Remote Sensor SBX8035
D701,702	OB10974A	LED LT1H40A Amber*
D703,704	OB10974A	LED LT1H40A Amber*
D705,706	OB10974A	LED LT1H40A Amber*
D707,708	OB10974A	LED LT1H40A Amber*
D709,710	OB10974A	LED LT1H40A Amber*
D711,712	OB10974A	LED LT1H40A Amber*
D713,714	OB10974A	LED LT1H40A Amber*
D715,716	OB10974A	LED LT1H40A Amber*
D717,718	OB10974A	LED LT1H40A Amber*
D719,720	OB10974A	LED LT1H40A Amber*
D721,722	OB10974A	LED LT1H40A Amber*
D723,724	OB10974A	LED LT1H40A Amber*
D725,726	OB10974A	LED LT1H40A Amber*
D727	OB10974A	LED LT1H40A Amber*
LCD701	OB90893A	LCD
J701,702	OB25612A	RK 0 1/10W J*
R701,702	OB25524A	RK 240 1/10W J*
R703,704	OB25524A	RK 240 1/10W J*
R705,706	OB25524A	RK 240 1/10W J*
R707,708	OB25524A	RK 240 1/10W J*
R709	OB25524A	RK 240 1/10W J*
R710	OB20671A	RK 1 1/10W J*
R711	OB25507A	RK 47 1/10W J*
R712	OB25523A	RK 220 1/10W J*
R713	OB25525A	RK 270 1/10W J*
R714	OB25527A	RK 330 1/10W J*
R715	OB25531A	RK 470 1/10W J*
R716	OB25533A	RK 560 1/10W J*
R717	OB25537A	RK 820 1/10W J*
R718	OB25541A	RK 1.2K 1/10W J*
R719	OB25569A	RK 18K 1/10W J*
R720	OB25523A	RK 220 1/10W J*
R721	OB25525A	RK 270 1/10W J*
R722	OB25527A	RK 330 1/10W J*
R723	OB25531A	RK 470 1/10W J*
R724	OB25533A	RK 560 1/10W J*
R725	OB25537A	RK 820 1/10W J*
R726	OB25541A	RK 1.2K 1/10W J*
R727	OB25569A	RK 18K 1/10W J*
R728,729	OB25579A	RK 47K 1/10W J*

Schematic

Ref. No.
 R730,731
 R732
 C701
 C702,703
 C704
 C705
 C706,707
 CN701
 LP701,702

Part No.

Description

OB25579A RK 47K 1/10W J*
 OB25597A RK 270K 1/10W J*
 OB40157A CE 47 6.3V
 OB43092A CC 0.1 25V Z*
 OB43092A CC 0.1 25V Z*
 OB43062A CC 100P 50V J*
 OB43210A CC 1000P 50V J*
 OB84985A 15P Connector A1
 OB90802A Lamp 115mA 5V Cap
 Amber

Schematic

Ref. No.
 SW701,702
 SW703,704
 SW705,706
 SW707,708
 SW709,710
 SW711,712
 SW713,714
 SW715
 SW716

Part No.

Description

OB70271A Tact Switch
 OB70271A Tact Switch
 OB70271A Tact Switch
 OB70271A Tact Switch
 OB70271A Tact Switch
 OB70271A Tact Switch
 OB70271A Tact Switch
 OB70271A Tact Switch
 OB30215A Encoder
 OJ07986B LCD Holder (1)
 OJ07988A LCD Reflector (1)
 OJ08032A Remote Cushion (1)
 OJ08265A LCD Lens (1)
 OJ08345A Illumination Sheet TD/CD (1)
 OJ08347A Illumination Sheet VR (1)

3.2. Main P.C.B. Ass'y (TD-45z RDS)

Schematic

Ref. No.
 BA10152A

Part No.

Description

	BA10152A	Main P.C.B. Ass'y RDS (TD-45z RDS)
U101	OB11001A	IC NJM4558M
U201	OB11001A	IC NJM4558M
U301	OB10903A	IC CXA2510AQ*
U302	OB10905A	IC BA3121F*
U303	OB12818A	IC LC75384NE*
U304	OB12819A	IC TA8262H
U305	OB11001A	IC NJM4558M
U401	OB11928A	IC TC4049BF
U501	OB12888A	IC UPD78F4225YGC*
U502	OB10907A	IC PST9142NR*
U601	OB10454A	IC LB1641
U801	OB12844A	IC SAA6588T*
Q101,102	OB14186A	TR 2SC4213B*
Q103	OB14186A	TR 2SC4213B*
Q201,202	OB14186A	TR 2SC4213B*
Q203	OB14186A	TR 2SC4213B*
Q401	OB14167A	TR 2SC2412K*
Q402	OB14011A	TR DTC114EK*
Q403	OB10731A	TR 2SB1132*
Q404	OB14167A	TR 2SC2412K*
Q405	OB14011A	TR DTC114EK*
Q406	OB10731A	TR 2SB1132*
Q407	OB14167A	TR 2SC2412K*
Q408	OB14011A	TR DTC114EK*
Q409	OB14167A	TR 2SC2412K*
Q410	OB10901A	TR 2SD2153TL*
Q411	OB14011A	TR DTC114EK*

TD-45z RDS

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
Q412	OB10731A	TR 2SB1132*	R129	OB25587A	RK 100K 1/10W J*	R428	OB25563A	RK 10K 1/10W J*
Q413	OB14167A	TR 2SC2412K*	R130	OB25580A	RK 51K 1/10W J*	R430	OB25527A	RK 330 1/10W J*
Q414	OB10902A	TR 2SB1566C7EF	R131	OB25587A	RK 100K 1/10W J*	R431	OB25539A	RK 1K 1/10W J*
Q415,416	OB14167A	TR 2SC2412K*	R134	OB25539A	RK 1K 1/10W J*	R432	OB25547A	RK 2.2K 1/10W J*
Q417	OB10902A	TR 2SB1566C7EF	R135	OB25579A	RK 47K 1/10W J*	R433,434	OB25555A	RK 4.7K 1/10W J*
Q418	OB10731A	TR 2SB1132*	R136	OB25539A	RK 1K 1/10W J*	R435	OB25547A	RK 2.2K 1/10W J*
Q419	OB14010A	TR DTC143EKA	R137,138	OB09724A	RK 91K 1/6W J	R444	OB25587A	RK 100K 1/10W J*
Q420	OK10030A	TR 2SA1036K-R*	R139,140	OB25563A	RK 10K 1/10W J*	R445	OB25563A	RK 10K 1/10W J*
Q421	OB14167A	TR 2SC2412K*	R141	OB25563A	RK 10K 1/10W J*	R446	OB25539A	RK 1K 1/10W J*
Q422	OB14013A	TR DTC144EK*	R142	OB25611A	RK 1M 1/10W J*	R447	OB25551A	RK 3.3K 1/10W J*
Q423	OB14002A	TR DTA114EK*	R201,202	OB25571A	RK 22K 1/10W J*	R448	OB25552A	RK 3.6K 1/10W J*
Q427	OB10715A	TR 2SC2411K*	R203	OB25521A	RK 180 1/10W J*	R449	OB25555A	RK 4.7K 1/10W J*
Q428	OK10030A	TR 2SA1036K-R*	R204	OB25569A	RK 18K 1/10W J*	R450	OB25519A	RK 150 1/10W J*
Q431	OB10257A	TR 2SC2021	R205	OB25565A	RK 12K 1/10W J*	R501	OB09749A	RK 1M 1/6W J
Q432	OB14166A	TR 2SA1037K*	R206	OB25598A	RK 300K 1/10W J*	R502,503	OB25587A	RK 100K 1/10W J*
Q501,502	OB14002A	TR DTA114EK*	R207,208	OB25539A	RK 1K 1/10W J*	R504,505	OB25587A	RK 100K 1/10W J*
Q503	OB14013A	TR DTC144EK*	R209	OB25612A	RK 0 1/10W J*	R506,507	OB25547A	RK 2.2K 1/10W J*
Q504	OB14002A	TR DTA114EK*	R210,211	OB25539A	RK 1K 1/10W J*	R508	OB25555A	RK 4.7K 1/10W J*
Q505,506	OB14013A	TR DTC144EK*	R212	OB25583A	RK 68K 1/10W J*	R509	OB25571A	RK 22K 1/10W J*
Q601,602	OB14167A	TR 2SC2412K*	R213	OB25555A	RK 4.7K 1/10W J*	R510,511	OB25563A	RK 10K 1/10W J*
Q603	OB14167A	TR 2SC2412K*	R214,215	OB25563A	RK 10K 1/10W J*	R512,513	OB25539A	RK 1K 1/10W J*
ZD401	OB12147A	ZD RD5.1V JS B2	R216,217	OB25570A	RK 20K 1/10W J*	R514,515	OB25539A	RK 1K 1/10W J*
ZD402,403	OB12162A	ZD RD8.2V JS B2	R218,219	OB25570A	RK 20K 1/10W J*	R516	OB09717A	RK 47K 1/6W J
ZD404	OB12183A	ZD RD16V JS B2	R220	OB09669A	RK 470 1/6W J	R517	OB09653A	RK 100 1/6W J
ZD405	OB12150A	ZD RD5.6V JS B2	R221	OB25531A	RK 470 1/10W J*	R518	OB09669A	RK 470 1/6W J
ZD406	OB12143A	ZD RD4.7V JS B1	R222,223	OB25579A	RK 47K 1/10W J*	R519	OB09653A	RK 100 1/6W J
ZD407	OB12150A	ZD RD5.6V JS B2	R224,225	OB25539A	RK 1K 1/10W J*	R520	OB25587A	RK 100K 1/10W J*
ZD408	OB12147A	ZD RD5.1V JS B2	R226	OB25611A	RK 1M 1/10W J*	R521	OB25539A	RK 1K 1/10W J*
ZD501,502	OB12147A	ZD RD5.1V JS B2	R227,228	OB25587A	RK 100K 1/10W J*	R522	OB09669A	RK 470 1/6W J
ZD503,504	OB12147A	ZD RD5.1V JS B2	R229	OB25587A	RK 100K 1/10W J*	R523	OB25539A	RK 1K 1/10W J*
ZD505,506	OB12147A	ZD RD5.1V JS B2	R230	OB25580A	RK 51K 1/10W J*	R524	OB09669A	RK 470 1/6W J
ZD601	OB12671A	ZD RD4.3V ES B2	R231	OB25587A	RK 100K 1/10W J*	R525,526	OB25587A	RK 100K 1/10W J*
ZD602	OB12150A	ZD RD5.6V JS B2	R234	OB25539A	RK 1K 1/10W J*	R527	OB25587A	RK 100K 1/10W J*
ZD804	OB12147A	ZD RD5.1V JS B2	R235	OB25579A	RK 47K 1/10W J*	R528,529	OB25539A	RK 1K 1/10W J*
SA601	OB12655A	SID DSP-201M	R236	OB25539A	RK 1K 1/10W J*	R530,531	OB25539A	RK 1K 1/10W J*
D401,402	OB10900A	SID 1SR139	R237,238	OB09724A	RK 91K 1/6W J	R532,533	OB25539A	RK 1K 1/10W J*
D403,404	OB10900A	SID 1SR139	R239,240	OB25563A	RK 10K 1/10W J*	R534,535	OB25539A	RK 1K 1/10W J*
D405,406	OB12822A	SID MA116*	R241	OB25563A	RK 10K 1/10W J*	R536,537	OB25563A	RK 10K 1/10W J*
D407	OB12822A	SID MA116*	R242	OB25611A	RK 1M 1/10W J*	R538,539	OB25539A	RK 1K 1/10W J*
D408	OB10900A	SID 1SR139	R301	OB25569A	RK 18K 1/10W J*	R540	OB25527A	RK 330 1/10W J*
D409	OB10971A	D MA112*	R302	OB25553A	RK 3.9K 1/10W J*	R541,542	OB25595A	RK 220K 1/10W J*
D410,411	OB12822A	SID MA116*	R303	OB25567A	RK 15K 1/10W J*	R543	OB25563A	RK 10K 1/10W J*
D415	OB10971A	D MA112*	R304	OB25611A	RK 1M 1/10W J*	R544,545	OB25525A	RK 270 1/10W J*
D417	OB10971A	D MA112*	R305	OB25612A	RK 0 1/10W J*	R546	OB25539A	RK 1K 1/10W J*
D418,419	OB12822A	SID MA116*	R306,307	OB25539A	RK 1K 1/10W J*	R601,602	OB25563A	RK 10K 1/10W J*
D501	OB10971A	D MA112*	R308	OB25611A	RK 1M 1/10W J*	R603,604	OB25515A	RK 100 1/10W J*
L401	OB51300A	Inductor 10uH	R309	OB25579A	RK 47K 1/10W J*	R605	OB25515A	RK 100 1/10W J*
L402	OB51311A	Inductor 100uH	R310,311	OB25563A	RK 10K 1/10W J*	R606	OB25517A	RK 120 1/10W J*
L501,502	OB51300A	Inductor 10uH	R312	OB25595A	RK 220K 1/10W J*	R607,608	OB25561A	RK 8.2K 1/10W J*
L601,602	OB51338A	Coil 33uH	R314	OB25539A	RK 1K 1/10W J*	R609	OB21637A	RF 8.2 1W J
L603	OB51419A	Coil 56uH	R401	OB25587A	RK 100K 1/10W J*	R610,611	OB09701A	RK 10K 1/6W J
L604	OB51330A	Inductor 4.7uH	R402	OB25547A	RK 2.2K 1/10W J*	R612	OB25541A	RK 1.2K 1/10W J*
X501	OB90882A	X'tal 8.388608MHz	R403,404	OB25533A	RK 560 1/10W J*	R613	OB25555A	RK 4.7K 1/10W J*
X801	OB90919A	X'tal 4.332MHz	R405	OB25523A	RK 220 1/10W J*	R614	OB25579A	RK 47K 1/10W J*
VR101	OB30206A	Semi VR 33K	R406	OB24115A	RF 10 1/2W J	R615	OB25515A	RK 100 1/10W J*
VR201	OB30206A	Semi VR 33K	R407	OB25563A	RK 10K 1/10W J*	R616,617	OB25579A	RK 47K 1/10W J*
R101,102	OB25571A	RK 22K 1/10W J*	R408	OB25551A	RK 3.3K 1/10W J*	R618,619	OB25579A	RK 47K 1/10W J*
R103	OB25521A	RK 180 1/10W J*	R409	OB09653A	RK 100 1/6W J	R620	OB25579A	RK 47K 1/10W J*
R104	OB25569A	RK 18K 1/10W J*	R410	OB24442R	RF 22 1W	R621	OB20677A	RK 3.3 1/10W J*
R105	OB25565A	RK 12K 1/10W J*	R411	OB25563A	RK 10K 1/10W J*	R817L,R	OB25563A	RK 10K 1/10W J*
R106	OB25598A	RK 300K 1/10W J*	R412	OB25551A	RK 3.3K 1/10W J*	R818	OB25491A	RK 10 1/10W J*
R107,108	OB25539A	RK 1K 1/10W J*	R413	OB25555A	RK 4.7K 1/10W J*	R819	OB25531A	RK 470 1/10W J*
R109	OB25612A	RK 0 1/10W J*	R414	OB25587A	RK 100K 1/10W J*	R820,821	OB25525A	RK 270 1/10W J*
R110,111	OB25539A	RK 1K 1/10W J*	R415,416	OB25579A	RK 47K 1/10W J*	R822	OB25531A	RK 470 1/10W J*
R112	OB25583A	RK 68K 1/10W J*	R417	OB25587A	RK 100K 1/10W J*	R823,824	OB25539A	RK 1K 1/10W J*
R113	OB25555A	RK 4.7K 1/10W J*	R418	OB25567A	RK 15K 1/10W J*	R825	OB25603A	RK 470K 1/10W J*
R114,115	OB25563A	RK 10K 1/10W J*	R419	OB25555A	RK 4.7K 1/10W J*	R826	OB25491A	RK 10 1/10W J*
R116,117	OB25570A	RK 20K 1/10W J*	R420	OB25563A	RK 10K 1/10W J*	R827	OB25503A	RK 33 1/10W J*
R118,119	OB25570A	RK 20K 1/10W J*	R421	OB25539A	RK 1K 1/10W J*	R830	OB25547A	RK 2.2K 1/10W J*
R120	OB09669A	RK 470 1/6W J	R422	OB25515A	RK 100 1/10W J*	R831	OB25555A	RK 4.7K 1/10W J*
R121	OB25531A	RK 470 1/10W J*	R423	OB25563A	RK 10K 1/10W J*	R832,833	OB25503A	RK 33 1/10W J*
R122,123	OB25579A	RK 47K 1/10W J*	R424	OB25525A	RK 270 1/10W J*	C101,102	OB43063A	CC 1000P 50V J*
R124,125	OB25539A	RK 1K 1/10W J*	R425	OB25541A	RK 1.2K 1/10W J*	C103	OB43064A	CC 0.01 50V J*
R126	OB25611A	RK 1M 1/10W J*	R426	OB09677A	RK 1K 1/6W J	C104	OB40174A	CE 2.2 50V
R127,128	OB25587A	RK 100K 1/10W J*	R427	OB25515A	RK 100 1/10W J*	C105	OB42099A	CML 0.1 50V J

TD-45z RDS

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
C106	0B40272A	CE 4.7 25V	C403	0B43065A	CC 0.047 50VZ*			
C107	0B43083A	CC 0.022 50V K*	C404	0B40158A	CE 100 6.3V	0J08282F		Heat Sink (1)
C108,109	0B40272A	CE 4.7 25V	C405	0B43092A	CC 0.1 25V Z*	0J08291A		Heat Sink Sheet (1)
C110,111	0B40272A	CE 4.7 25V	C406	0B40166A	CE 10 25V			
C112	0B40166A	CE 10 25V	C407	0B43064A	CC 0.01 50V J*			
C113	0B40173A	CE 1 50V	C408	0B40166A	CE 10 25V			
C114	0B43200A	CC 220P 50V J*	C409	0B40165A	CE 47 16V			
C115	0B42676A	CC 0.1 25V K*	C410	0B43065A	CC 0.047 50VZ*			
C116,117	0B40166A	CE 10 25V	C411,412	0B40166A	CE 10 25V			
C118	0B42821A	CE 1 50V (BP)	C413	0B40165A	CE 47 16V			
C119	0B43119A	CC 0.033 25V K*	C418	0B40166A	CE 10 25V			
C120	0B42676A	CC 0.1 25V K*	C420	0B40165A	CE 47 16V			
C121	0B43079A	CC 3300P 50V K*	C421	0B40698A	CE 100 16V			
C122	0B43064A	CC 0.01 50V J*	C422	0B40166A	CE 10 25V			
C123	0B43216A	CC 330P 50V J*	C423	0B43092A	CC 0.1 25V Z*			
C124	0B40166A	CE 10 25V	C424	0B43214A	CC 1800P 50VJ*			
C125,126	0B40272A	CE 4.7 25V	C501,502	0B43092A	CC 0.1 25V Z*			
C127,128	0B43080A	CC 4700P 50V K*	C503,504	0B43058A	CC 12P 50V J*			
C129	0B40166A	CE 10 25V	C505,506	0B43200A	CC 220P 50V J*			
C132	0B43080A	CC 4700P 50V K*	C507	0B43064A	CC 0.01 50V J*			
C133,134	0B42103A	CML 0.22 50V J	C508	0B43092A	CC 0.1 25V Z*			
C201,202	0B43063A	CC 1000P 50V J*	C509	0B43200A	CC 220P 50V J*			
C203	0B43064A	CC 0.01 50V J*	C602	0B43083A	CC 0.022 50V K*			
C204	0B40174A	CE 2.2 50V	C604	0B43092A	CC 0.1 25V Z*			
C205	0B42099A	CML 0.1 50V J	C605	0B43064A	CC 0.01 50V J*			
C206	0B40272A	CE 4.7 25V	C606	0B43221A	CC 0.047 25V K*			
C207	0B43083A	CC 0.022 50V K*	C608	0B43083A	CC 0.022 50V K*			
C208,209	0B40272A	CE 4.7 25V	C609,610	0B43092A	CC 0.1 25V Z*			
C210,211	0B40272A	CE 4.7 25V	C611	0B40166A	CE 10 25V			
C212	0B40166A	CE 10 25V	C612	0B43064A	CC 0.01 50V J*			
C213	0B40173A	CE 1 50V	C807	0B43224A	CC 1500P 50V K*			
C214	0B43200A	CC 220P 50V J*	C808,809	0B43200A	CC 220P 50V J*			
C215	0B42676A	CC 0.1 25V K*	C810	0B43224A	CC 1500P 50V K*			
C216,217	0B40166A	CE 10 25V	C811	0B43071A	CC 470P 50VJ*			
C218	0B42821A	CE 1 50V (BP)	C813,814	0B43221A	CC 0.047 25V K*			
C219	0B43119A	CC 0.033 25V K*	C815	0B43092A	CC 0.1 25V Z*			
C220	0B42676A	CC 0.1 25V K*	C816	0B43216A	CC 330P 50V J*			
C221	0B43079A	CC 3300P 50V K*	C817	0B40174A	CE 2.2 50V			
C222	0B43064A	CC 0.01 50V J*	C818	0B43206A	CC 560P 50V J*			
C223	0B43216A	CC 330P 50V J*	C819	0B43078A	CC 2200P 50VK*			
C224	0B40166A	CE 10 25V	C820	0B43092A	CC 0.1 25V Z*			
C225,226	0B40272A	CE 4.7 25V	C821	0B43090A	CC 47P 50V J*			
C227,228	0B43080A	CC 4700P 50V K*	C822	0B43194A	CC 82P 50V J*			
C229	0B40166A	CE 10 25V	C823	0B43092A	CC 0.1 25V Z*			
C232	0B43080A	CC 4700P 50V K*	C824	0B43082A	CC 0.015 50V K*			
C233,234	0B42103A	CML 0.22 50V J	ANT601	0B84892B	ANT.Jack			
C301	0B40163A	CE 22 16V	CN301	0B85307A	2P RCA WireAUX2IN (Gold)			
C302	0B43200A	CC 220P 50V J*						
C303	0B42107A	CML 0.47 50V J	CN302	0B85306A	2P RCA Wire AUX-IN (Gold)			
C304,305	0B43064A	CC 0.01 50V J*						
C306	0B40163A	CE 22 16V	CN303	0B85308A	2P RCA WireP-OUT (Gold)			
C307	0B43092A	CC 0.1 25V Z*						
C308	0B40163A	CE 22 16V	CN304	0B85309A	2P RCA Wire SW-OUT (Gold)			
C309	0B40166A	CE 10 25V						
C310	0B43092A	CC 0.1 25V Z*	CN306	0B84514A	5P F Connector 5597-05CPB			
C311	0B40166A	CE 10 25V						
C312,313	0B43092A	CC 0.1 25V Z*	CN307	0B84984A	9P F Connector			
C314	0B40165A	CE 47 16V	CN308	0B84983A	4P T-Post			
C315	0B43092A	CC 0.1 25V Z*	CN401	0B84756A	14P Connector			
C316	0B40163A	CE 22 16V	CN501	0B80668A	13P DIN Socket			
C317	0B43119A	CC 0.033 25V K*	CN502	0B84982A	15P Connector B1			
C318	0B43064A	CC 0.01 50V J*	CP301,302	0B81460A	3P T-Post			
C319	0B40166A	CE 10 25V	CP303,304	0B81460A	3P T-Post			
C320	0B42676A	CC 0.1 25V K*	CP501	0B81464A	7P T-Post			
C321	0B42802A	CE 2200 16V	G101,102	0B80673A	Earth Terminal			
C322	0B40173A	CE 1 50V	PJ301	0B85337A	2P-Pin Jack			
C324,325	0B43092A	CC 0.1 25V Z*	TP301	0B81459A	2P T-Post			
C326,327	0B43092A	CC 0.1 25V Z*	TU601	0B90891A	Tuner Pack MX-E056			
C328,329	0B43092A	CC 0.1 25V Z*		0E00608A	M3x10 + Pan 3A (2)			
C330	0B43063A	CC 1000P 50V J*		0E00766A	M3x8 + Binding (2)			
C331	0B43064A	CC 0.01 50V J*		0E00896A	M3x6 + Binding (2)			
C401	0B43092A	CC 0.1 25V Z*		0E03731A	PT3x8 + Binding (3)			
C402	0B40081A	CE 470 16V		0J07952A	Holder A (1)			

TD-35z RDS

NOTES: 1. Abbreviations

TR – Transistor, SID – Silicon Diode, ZD – Zener Diode, Varicap – Variable Capacitance Diode
 RK – Carbon Resistor, RM – Metal Film Resistor, RF – Fail Safe Type Resistor,
 RC – Cement Resistor, CE – Electrolytic Capacitor, CML – Mylar Capacitor,
 CC – Ceramic Capacitor, CPP – PP Capacitor, CMM – Metalized Mylar Capacitor,
 CSP – Polystyrene Capacitor, C – Mica Capacitor, CT – Tantalum Capacitor

2. Description of capacitor: 10 16V = 10μ 16V

3. Parts marked with * show chip parts.

3.1.1. Front P.C.B. Ass'y Green (TD-35z RDS)

Schematic Ref. No.	Part No.	Description
	BA10116A	Front P.C.B. Ass'y RDS Green (TD-35z RDS)

U701	OB12843A	IC LC75824W*
D701,702	OB12815A	LED LT1K40A Green*
D703,704	OB12815A	LED LT1K40A Green*
D705,706	OB12815A	LED LT1K40A Green*
D707,708	OB12815A	LED LT1K40A Green*
D709,710	OB12815A	LED LT1K40A Green*
D711,712	OB12815A	LED LT1K40A Green*
D713,714	OB12815A	LED LT1K40A Green*
D715,716	OB12815A	LED LT1K40A Green*
D717,718	OB12815A	LED LT1K40A Green*
D719,720	OB12815A	LED LT1K40A Green*
D721,722	OB12815A	LED LT1K40A Green*
D723,724	OB12815A	LED LT1K40A Green*
D725,726	OB12815A	LED LT1K40A Green*
D727	OB12815A	LED LT1K40A Green*
LCD701	OB90893A	LCD
J701,702	OB25612A	RK 0 1/10W J*
R701,702	OB25524A	RK 240 1/10W J*
R703,704	OB25524A	RK 240 1/10W J*
R705,706	OB25524A	RK 240 1/10W J*
R707,708	OB25524A	RK 240 1/10W J*
R709	OB25524A	RK 240 1/10W J*
R710	OB20671A	RK 1 1/10W J*
R712	OB25523A	RK 220 1/10W J*
R713	OB25525A	RK 270 1/10W J*
R714	OB25527A	RK 330 1/10W J*
R715	OB25531A	RK 470 1/10W J*
R716	OB25533A	RK 560 1/10W J*
R717	OB25537A	RK 820 1/10W J*
R718	OB25541A	RK 1.2K 1/10W J*
R719	OB25569A	RK 18K 1/10W J*
R720	OB25523A	RK 220 1/10W J*
R721	OB25525A	RK 270 1/10W J*
R722	OB25527A	RK 330 1/10W J*
R723	OB25531A	RK 470 1/10W J*
R724	OB25533A	RK 560 1/10W J*
R725	OB25537A	RK 820 1/10W J*
R726	OB25541A	RK 1.2K 1/10W J*
R727	OB25569A	RK 18K 1/10W J*
R728,729	OB25579A	RK 47K 1/10W J*
R730,731	OB25579A	RK 47K 1/10W J*
R732	OB25597A	RK 270K 1/10W J*
C702,703	OB43092A	CC 0.1 25V Z*
C704	OB43092A	CC 0.1 25V Z*
C705	OB43062A	CC 100P 50V J*
C706,707	OB43210A	CC 1000P 50V J*
CN701	OB84985A	15P Connector A1
LP701,702	OB90821A	Lamp 115mA 5V Cap
SW701,702	OB70271A	Tact Switch
SW703,704	OB70271A	Tact Switch
SW705,706	OB70271A	Tact Switch
SW707,708	OB70271A	Tact Switch
SW709,710	OB70271A	Tact Switch
SW711,712	OB70271A	Tact Switch
SW713,714	OB70271A	Tact Switch
SW715	OB70271A	Tact Switch
SW716	OB30215A	Encoder
	OJ07986B	LCD Holder (1)
	OJ07988A	LCD Reflector (1)

Schematic Ref. No.

Part No.

Description

OJ08265A	LCD Lens (1)
OJ08345A	Illumination Sheet TD/CD (1)
OJ08347A	Illumination Sheet VR (1)

3.1.2. Front P.C.B. Ass'y Amber (TD-35z RDS)

Schematic Ref. No.

Part No.

Description

BA10118A	Front P.C.B. Ass'y RDS Amber (TD-35z RDS)
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U701	OB12843A	IC LC75824W*
D701,702	OB10974A	LED LT1H40A Amber*
D703,704	OB10974A	LED LT1H40A Amber*
D705,706	OB10974A	LED LT1H40A Amber*
D707,708	OB10974A	LED LT1H40A Amber*
D709,710	OB10974A	LED LT1H40A Amber*
D711,712	OB10974A	LED LT1H40A Amber*
D713,714	OB10974A	LED LT1H40A Amber*
D715,716	OB10974A	LED LT1H40A Amber*
D717,718	OB10974A	LED LT1H40A Amber*
D719,720	OB10974A	LED LT1H40A Amber*
D721,722	OB10974A	LED LT1H40A Amber*
D723,724	OB10974A	LED LT1H40A Amber*
D725,726	OB10974A	LED LT1H40A Amber*
D727	OB10974A	LED LT1H40A Amber*
LCD701	OB90893A	LCD
J701,702	OB25612A	RK 0 1/10W J*
R701,702	OB25524A	RK 240 1/10W J*
R703,704	OB25524A	RK 240 1/10W J*
R705,706	OB25524A	RK 240 1/10W J*
R707,708	OB25524A	RK 240 1/10W J*
R709	OB25524A	RK 240 1/10W J*
R710	OB20671A	RK 1 1/10W J*
R712	OB25523A	RK 220 1/10W J*
R713	OB25525A	RK 270 1/10W J*
R714	OB25527A	RK 330 1/10W J*
R715	OB25531A	RK 470 1/10W J*
R716	OB25533A	RK 560 1/10W J*
R717	OB25537A	RK 820 1/10W J*
R718	OB25541A	RK 1.2K 1/10W J*
R719	OB25569A	RK 18K 1/10W J*
R720	OB25523A	RK 220 1/10W J*
R721	OB25525A	RK 270 1/10W J*
R722	OB25527A	RK 330 1/10W J*
R723	OB25531A	RK 470 1/10W J*
R724	OB25533A	RK 560 1/10W J*
R725	OB25537A	RK 820 1/10W J*
R726	OB25541A	RK 1.2K 1/10W J*
R727	OB25569A	RK 18K 1/10W J*
R728,729	OB25579A	RK 47K 1/10W J*
R730,731	OB25579A	RK 47K 1/10W J*
R732	OB25597A	RK 270K 1/10W J*
C702,703	OB43092A	CC 0.1 25V Z*
C704	OB43092A	CC 0.1 25V Z*
C705	OB43062A	CC 100P 50V J*
C706,707	OB43210A	CC 1000P 50V J*
CN701	OB84985A	15P Connector A1
LP701,702	OB90802A	Lamp 115mA 5V Cap Amber
SW701,702	OB70271A	Tact Switch
SW703,704	OB70271A	Tact Switch

Schematic Ref. No.

Part No.

Description

SW705,706	OB70271A	Tact Switch
SW707,708	OB70271A	Tact Switch
SW709,710	OB70271A	Tact Switch
SW711,712	OB70271A	Tact Switch
SW713,714	OB70271A	Tact Switch
SW715	OB70271A	Tact Switch
SW716	OB30215A	Encoder
	OJ07986B	LCD Holder (1)
	OJ07988A	LCD Reflector (1)
	OJ08265A	LCD Lens (1)
	OJ08345A	Illumination Sheet TD/CD (1)
	OJ08347A	Illumination Sheet VR (1)

3.2. Main P.C.B. Ass'y (TD-35z RDS)

Schematic Ref. No.

Part No.

Description

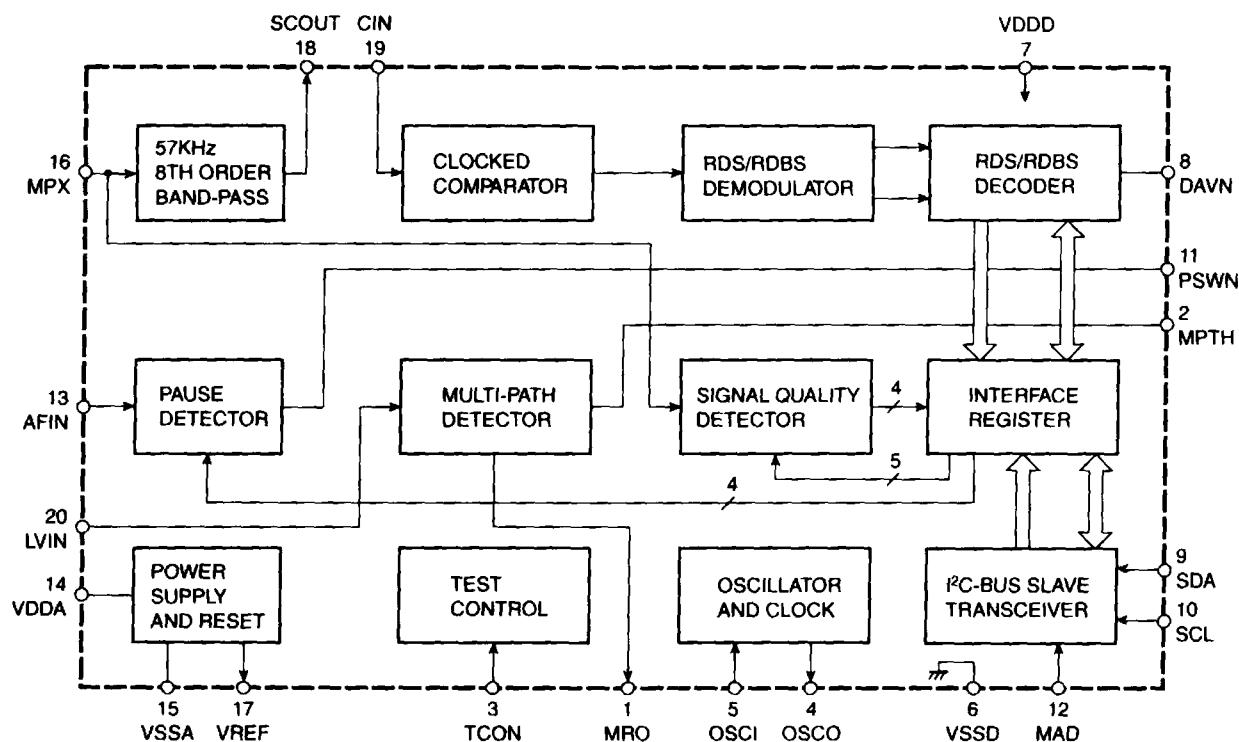
	BA10151A	Main P.C.B. Ass'y RDS (TD-35z RDS)
U301	OB10903A	IC CXA2510AQ*
U302	OB10905A	IC BA3121F*
U303	OB12818A	IC LC75384NE*
U304	OB12819A	IC TA8262H
U501	OB12888A	IC UPD78F4225YGC*
U502	OB10907A	IC PST9142NR*
U601	OB10454A	IC LB1641
U801	OB12844A	IC SAA6588T*
Q101,102	OB14186A	TR 2SC4213B*
Q201,202	OB14186A	TR 2SC4213B*
Q401	OB14167A	TR 2SC2412K*
Q402	OB14011A	TR DTC114EK*
Q403	OB10731A	TR 2SB1132*
Q404	OB14167A	TR 2SC2412K*
Q405	OB14011A	TR DTC114EK*
Q406	OB10731A	TR 2SB1132*
Q407	OB14167A	TR 2SC2412K*
Q408	OB14011A	TR DTC114EK*
Q409	OB14167A	TR 2SC2412K*
Q410	OB10901A	TR 2SD2153TL*
Q411	OB14011A	TR DTC114EK*
Q412	OB10731A	TR 2SB1132*
Q413	OB14167A	TR 2SC2412K*
Q414	OB10902A	TR 2SB1566C7EF
Q415,416	OB14167A	TR 2SC2412K*
Q417	OB10902A	TR 2SB1566C7EF
Q418	OB10731A	TR 2SB1132*
Q421	OB14167A	TR 2SC2412K*
Q422	OB14013A	TR DTC144EK*
Q423	OB14002A	TR DTA114EK*
Q501,502	OB14002A	TR DTA114EK*
Q503	OB14013A	TR DTC144EK*
Q504	OB14002A	TR DTA114EK*
Q505,506	OB14013A	TR DTC144EK*
Q601,602	OB14167A	TR 2SC2412K*
Q603	OB14167A	TR 2SC2412K*
ZD401	OB12147A	ZD RD5.1V JS B2
ZD402,403	OB12162A	ZD RD8.2V JS B2
ZD404	OB12183A	ZD RD16V JS B2
ZD405	OB12150A	ZD RD5.6V JS B2
ZD406	OB12143A	ZD RD4.7V JS B1
ZD407	OB12150A	ZD RD5.6V JS B2

TD-35z RDS

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
ZD408	0B12147A	ZD RD5.1V JS B2	R408	0B25551A	RK 3.3K 1/10W J*	R823,824	0B25539A	RK 1K 1/10W J*
ZD501,502	0B12147A	ZD RD5.1V JS B2	R409	0B09653A	RK 100 1/6W J	R825	0B25603A	RK 470K 1/10W J*
ZD503,504	0B12147A	ZD RD5.1V JS B2	R410	0B24442F	RF 22 1W	R826	0B25491A	RK 10 1/10W J*
ZD505,506	0B12147A	ZD RD5.1V JS B2	R411	0B25563A	RK 10K 1/10W J*	R827	0B25503A	RK 33 1/10W J*
ZD601	0B12671A	ZD RD4.3V ES B2	R412	0B25551A	RK 3.3K 1/10W J*	R830	0B25547A	RK 2.2K 1/10W J*
ZD602	0B12150A	ZD RD5.6V JS B2	R413	0B25555A	RK 4.7K 1/10W J*	R831	0B25555A	RK 4.7K 1/10W J*
ZD804	0B12147A	ZD RD5.1V JS B2	R414	0B25587A	RK 100K 1/10W J*	R832,833	0B25503A	RK 33 1/10W J*
D401,402	0B10900A	SID 1SR139	R415,416	0B25579A	RK 47K 1/10W J*	C101,102	0B43063A	CC 1000P 50V J*
D403,404	0B10900A	SID 1SR139	R417	0B25587A	RK 100K 1/10W J*	C103	0B43064A	CC 0.01 50V J*
D405,406	0B12822A	SID MA116*	R418	0B25567A	RK 15K 1/10W J*	C104	0B40174A	CE 2.2 50V
D407	0B12822A	SID MA116*	R419	0B25555A	RK 4.7K 1/10W J*	C105	0B42099A	CML 0.1 50V J
D408	0B10900A	SID 1SR139	R420	0B25563A	RK 10K 1/10W J*	C106	0B40272A	CE 4.7 25V
D409	0B10971A	D MA112*	R421	0B25539A	RK 1K 1/10W J*	C107	0B43083A	CC 0.022 50V K*
D410,411	0B12822A	SID MA116*	R422	0B25515A	RK 100 1/10W J*	C108,109	0B40272A	CE 4.7 25V
D501	0B10971A	D MA112*	R423	0B25563A	RK 10K 1/10W J*	C110	0B40272A	CE 4.7 25V
SA601	0B12655A	SID DSP-201M	R424	0B25525A	RK 270 1/10W J*	C112	0B40166A	CE 10 25V
X501	0B90882A	X'tal 8.388608MHz	R425	0B25541A	RK 1.2K 1/10W J*	C113	0B40173A	CE 1 50V
X801	0B90919A	X'tal 4.332MHz	R426	0B09677A	RK 1K 1/6W J	C114	0B43200A	CC 220P 50V J*
VR101	0B30206A	Semi VR 33K	R427	0B25515A	RK 100 1/10W J*	C115	0B42676A	CC 0.1 25V K*
VR201	0B30206A	Semi VR 33K	R428	0B25563A	RK 10K 1/10W J*	C116,117	0B40166A	CE 10 25V
J1,2	0B25612A	RK 0 1/10W J*	R430	0B25527A	RK 330 1/10W J*	C118	0B42821A	CE 1 50V (BP)
J3,4	0B25612A	RK 0 1/10W J*	R431	0B25539A	RK 1K 1/10W J*	C119	0B43119A	CC 0.033 25V K*
J5	0B25612A	RK 0 1/10W J*	R432	0B25547A	RK 2.2K 1/10W J*	C120	0B42676A	CC 0.1 25V K*
R101,102	0B25571A	RK 22K 1/10W J*	R449	0B25555A	RK 4.7K 1/10W J*	C121	0B43079A	CC 3300P 50V K*
R103	0B25521A	RK 180 1/10W J*	R450	0B25519A	RK 150 1/10W J*	C122	0B43064A	CC 0.01 50V J*
R104	0B25569A	RK 18K 1/10W J*	R501	0B09749A	RK 1M 1/6W J	C123	0B43216A	CC 330P 50V J*
R105	0B25565A	RK 12K 1/10W J*	R502,503	0B25587A	RK 100K 1/10W J*	C124	0B40166A	CE 10 25V
R106	0B25598A	RK 300K 1/10W J*	R504,505	0B25587A	RK 100K 1/10W J*	C125,126	0B40272A	CE 4.7 25V
R107,108	0B25539A	RK 1K 1/10W J*	R506,507	0B25547A	RK 2.2K 1/10W J*	C127,128	0B43080A	CC 4700P 50V K*
R109	0B25612A	RK 0 1/10W J*	R508	0B25555A	RK 4.7K 1/10W J*	C133,134	0B42103A	CML 0.22 50V J
R110	0B25539A	RK 1K 1/10W J*	R510,511	0B25563A	RK 10K 1/10W J*	C201,202	0B43063A	CC 1000P 50V J*
R112	0B25583A	RK 68K 1/10W J*	R512,513	0B25539A	RK 1K 1/10W J*	C203	0B43064A	CC 0.01 50V J*
R113	0B25555A	RK 4.7K 1/10W J*	R514,515	0B25539A	RK 1K 1/10W J*	C204	0B40174A	CE 2.2 50V
R120	0B09669A	RK 470 1/6W J	R516	0B09717A	RK 47K 1/6W J	C205	0B42099A	CML 0.1 50V J
R121	0B25531A	RK 470 1/10W J*	R517	0B09653A	RK 100 1/6W J	C206	0B40272A	CE 4.7 25V
R122,123	0B25579A	RK 47K 1/10W J*	R518	0B09669A	RK 470 1/6W J	C207	0B43083A	CC 0.022 50V K*
R124,125	0B25539A	RK 1K 1/10W J*	R519	0B09653A	RK 100 1/6W J	C208,209	0B40272A	CE 4.7 25V
R126	0B25611A	RK 1M 1/10W J*	R520	0B25587A	RK 100K 1/10W J*	C210	0B40272A	CE 4.7 25V
R137,138	0B09713A	RK 33K 1/6W J	R521	0B25539A	RK 1K 1/10W J*	C212	0B40166A	CE 10 25V
R139,140	0B25563A	RK 10K 1/10W J*	R522	0B09669A	RK 470 1/6W J	C213	0B40173A	CE 1 50V
R142	0B25611A	RK 1M 1/10W J*	R523	0B25539A	RK 1K 1/10W J*	C214	0B43200A	CC 220P 50V J*
R201,202	0B25571A	RK 22K 1/10W J*	R524	0B09669A	RK 470 1/6W J	C215	0B42676A	CC 0.1 25V K*
R203	0B25521A	RK 180 1/10W J*	R525,526	0B25587A	RK 100K 1/10W J*	C216,217	0B40166A	CE 10 25V
R204	0B25569A	RK 18K 1/10W J*	R527	0B25587A	RK 100K 1/10W J*	C218	0B42821A	CE 1 50V (BP)
R205	0B25565A	RK 12K 1/10W J*	R528,529	0B25539A	RK 1K 1/10W J*	C219	0B43119A	CC 0.033 25V K*
R206	0B25598A	RK 300K 1/10W J*	R530,531	0B25539A	RK 1K 1/10W J*	C220	0B42676A	CC 0.1 25V K*
R207,208	0B25539A	RK 1K 1/10W J*	R532,533	0B25539A	RK 1K 1/10W J*	C221	0B43079A	CC 3300P 50V K*
R209	0B25612A	RK 0 1/10W J*	R534,535	0B25539A	RK 1K 1/10W J*	C222	0B43064A	CC 0.01 50V J*
R210	0B25539A	RK 1K 1/10W J*	R536,537	0B25563A	RK 10K 1/10W J*	C223	0B43216A	CC 330P 50V J*
R212	0B25583A	RK 68K 1/10W J*	R538,539	0B25539A	RK 1K 1/10W J*	C224	0B40166A	CE 10 25V
R213	0B25555A	RK 4.7K 1/10W J*	R540	0B25527A	RK 330 1/10W J*	C225,226	0B40272A	CE 4.7 25V
R220	0B09669A	RK 470 1/6W J	R541,542	0B25595A	RK 220K 1/10W J*	C227,228	0B43080A	CC 4700P 50V K*
R221	0B25531A	RK 470 1/10W J*	R543	0B25563A	RK 10K 1/10W J*	C233,234	0B42103A	CML 0.22 50V J
R222,223	0B25579A	RK 47K 1/10W J*	R544,545	0B25525A	RK 270 1/10W J*	C301	0B40163A	CE 22 16V
R224,225	0B25539A	RK 1K 1/10W J*	R546	0B25539A	RK 1K 1/10W J*	C302	0B43200A	CC 220P 50V J*
R226	0B25611A	RK 1M 1/10W J*	R601,602	0B25563A	RK 10K 1/10W J*	C303	0B42107A	CML 0.47 50V J
R237,238	0B09713A	RK 33K 1/6W J	R603,604	0B25515A	RK 100 1/10W J*	C304,305	0B43064A	CC 0.01 50V J*
R239,240	0B25563A	RK 10K 1/10W J*	R605	0B25515A	RK 100 1/10W J*	C306	0B40163A	CE 22 16V
R242	0B25611A	RK 1M 1/10W J*	R606	0B25517A	RK 120 1/10W J*	C307	0B43092A	CC 0.1 25V Z*
R301	0B25569A	RK 18K 1/10W J*	R607,608	0B25561A	RK 8.2K 1/10W J*	C308	0B40163A	CE 22 16V
R302	0B25553A	RK 3.9K 1/10W J*	R609	0B21637A	RF 8.2 1W J	C309	0B40166A	CE 10 25V
R303	0B25567A	RK 15K 1/10W J*	R610,611	0B09701A	RK 10K 1/6W J	C310	0B43092A	CC 0.1 25V Z*
R304	0B25611A	RK 1M 1/10W J*	R612	0B25541A	RK 1.2K 1/10W J*	C313	0B43092A	CC 0.1 25V Z*
R305	0B25612A	RK 0 1/10W J*	R613	0B25555A	RK 4.7K 1/10W J*	C314	0B40165A	CE 47 16V
R306	0B25539A	RK 1K 1/10W J*	R614	0B25579A	RK 47K 1/10W J*	C315	0B43092A	CC 0.1 25V Z*
R308	0B25611A	RK 1M 1/10W J*	R615	0B25515A	RK 100 1/10W J*	C316	0B40163A	CE 22 16V
R309	0B25579A	RK 47K 1/10W J*	R616,617	0B25579A	RK 47K 1/10W J*	C317	0B43119A	CC 0.033 25V K*
R310,311	0B25563A	RK 10K 1/10W J*	R618,619	0B25579A	RK 47K 1/10W J*	C318	0B43064A	CC 0.01 50V J*
R314	0B25539A	RK 1K 1/10W J*	R620	0B25579A	RK 47K 1/10W J*	C319	0B40166A	CE 10 25V
R401	0B25587A	RK 100K 1/10W J*	R621	0B20677A	RK 3.3 1/10W J*	C320	0B42676A	CC 0.1 25V K*
R402	0B25547A	RK 2.2K 1/10W J*	R817L,R	0B25563A	RK 10K 1/10W J*	C321	0B42802A	CE 2200 16V
R403,404	0B25533A	RK 560 1/10W J*	R818	0B25491A	RK 10 1/10W J*	C322	0B40173A	CE 1 50V
R405	0B25523A	RK 220 1/10W J*	R819	0B25531A	RK 470 1/10W J*	C324,325	0B43092A	CC 0.1 25V Z*
R406	0B24115A	RF 10 1/2W J	R820,821	0B25525A	RK 270 1/10W J*	C330	0B43063A	CC 1000P 50V J*
R407	0B25563A	RK 10K 1/10W J*	R822	0B25531A	RK 470 1/10W J*	C331	0B43064A	CC 0.01 50V J*

TD-45z RDS

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
C401	0B43092A	CC 0.1 25V Z*	C819	0B43078A	CC 2200P 50V K*
C402	0B40081A	CE 470 16V	C820	0B43092A	CC 0.1 25V Z*
C403	0B43065A	CC 0.047 50V Z*	C821	0B43090A	CC 47P 50V J*
C404	0B40158A	CE 100 6.3V	C822	0B43194A	CC 82P 50V J*
C405	0B43092A	CC 0.1 25V Z*	C823	0B43092A	CC 0.1 25V Z*
C406	0B40166A	CE 10 25V	C824	0B43082A	CC 0.015 50V K*
C407	0B43064A	CC 0.01 50V J*	ANT601	0B84892B	ANT. Jack
C408	0B40166A	CE 10 25V	CN301	0B85306A	2P RCA Wire AUX-IN (Gold)
C409	0B40165A	CE 47 16V	CN306	0B84514A	5P F Connector
C410	0B43065A	CC 0.047 50V Z*	CN307	0B84984A	9P F Connector
C411,412	0B40166A	CE 10 25V	CN308	0B84983A	4P T-Post
C501,502	0B43092A	CC 0.1 25V Z*	CN401	0B84756A	14P Connector
C503,504	0B43058A	CC 12P 50V J*	CN501	0B80668A	13P DIN Socket
C505,506	0B43200A	CC 220P 50V J*	CN502	0B84982A	15P Connector B1
C507	0B43064A	CC 0.01 50V J*	CP301	0B81460A	3P T-Post
C508	0B43092A	CC 0.1 25V Z*	CP501	0B81464A	7P T-Post
C602	0B43083A	CC 0.022 50V K*	G101,102	0B80673A	Earth Terminal
C604	0B43092A	CC 0.1 25V Z*	L501,502	0B51300A	Inductor 10uH
C605	0B43064A	CC 0.01 50V J*	L601,602	0B51338A	Inductor 33uH
C606	0B43221A	CC 0.047 25V K*	L603	0B51419A	Inductor 56uH
C608	0B43083A	CC 0.022 50V K*	L604	0B51330A	Inductor 4.7uH
C609,610	0B43092A	CC 0.1 25V Z*	PJ301	0B85337A	2P-Pin Jack
C611	0B40166A	CE 10 25V	TP301	0B81459A	2P T-Post
C612	0B43064A	CC 0.01 50V J*	TU601	0B90891A	Tuner Pack MX-E056
C807	0B43224A	CC 1500P 50V K*		0E00608A	M3x10 + Pan 3A (2)
C808,809	0B43200A	CC 220P 50V J*		0E00766A	M3x8 + Binding (2)
C810	0B43224A	CC 1500P 50V K*		0E00896A	M3x6 + Binding (2)
C811	0B43071A	CC 470P 50V J*		0E03731A	PT3x8 + Binding (3)
C813,814	0B43221A	CC 0.047 25V K*		0J07952A	Holder A (1)
C815	0B43092A	CC 0.1 25V Z*		0J08282F	Heat Sink (1)
C816	0B43216A	CC 330P 50V J*		0J08291A	Heat Sink Sheet (1)
C817	0B40174A	CE 2.2 50V			
C818	0B43206A	CC 560P 50V J*			



RDS Decoder SAA6588T (U801)

● Line Out Section

[Standard Test Condition (S.T.C.)]

Signal 1 kHz
Input AUX 500 mV

Sensitivity 1800 mV $\pm$ 3 dB (TD-45z RDS)
900 mV $\pm$ 3 dB (TD-35z RDS)

Signal to Noise Ratio (@0 dB = Above "Output Level")
More than 70 dB (A-WTD)

Frequency Response

20 Hz to 20 kHz 0 dB $\pm$ 2 dB

Distortion Less than 0.5%

● Speaker Out Section

[Standard Test Condition (S.T.C.)]

Signal 1 kHz
Input AUX 500 mV

Output Power

1ch driven More than 15W at 10% Dist.

● Others

Tone Control (Output 100 mV at VR. Max.)

Bass at 100 Hz +12 dB $\pm$ 2 dB
-12 dB $\pm$ 2 dB

Mid at 1 kHz +12 dB $\pm$ 2 dB
-12 dB $\pm$ 2 dB

Treble at 10 kHz +12 dB $\pm$ 2 dB
-12 dB $\pm$ 2 dB

Loudness (VR: 20)

100 Hz 8 dB $\pm$ 3 dB

20 kHz 8 dB $\pm$ 3 dB

Residual Current Less than 6 mA

● General

Power Source 14.4 VDC, negative ground
(10.8 - 15.6 V allowable)

Current Consumption 9.0A (At rated power output)

Installation Dimensions 178 (W)x50 (H)x158 (D) mm
7 (W)x1-15/16 (H)x6-1/4 (D) inches

Outer Dimensions* 178 (W)x50 (H)x170 (D) mm
7 (W)x1-15/16 (H)x6-11/16 (D) inches

Mass Approx. 1.5 kg/3 lbs. 5 oz.

● Remote control unit

Principle Infrared pulse system

Power Supply 3 VDC (1.5 V x 2)

Dimensions* 49 (W)x26 (H)x110 (D) mm
1-15/16 (W)x1 (H)x4-5/16 (D) inches

Mass Approx. 60 g/2 oz.
(including batteries)

* Dimensions do not include protruding parts. Height is the panel height.

- Specifications and design are subject to change for further improvement without notice.
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