

SECTION 7

Exploded Views and Parts Lists

7.1 General

The following exploded view drawings and parts lists are provided for service reference. Each drawing is keyed to a parts list which includes a Part Number and a description.

When ordering parts include item number, a full description, the part number, and if there is any difference between the drawings and your machine indicate the difference and describe your machine's part. If there seems to be a discrepancy between the drawings herein and your MTR-15, contact Otari; we can assume no liability for improper servicing due to changes and improvements made which subsequently render these documents inaccurate.

The following exploded view drawings and parts lists are included in this section:

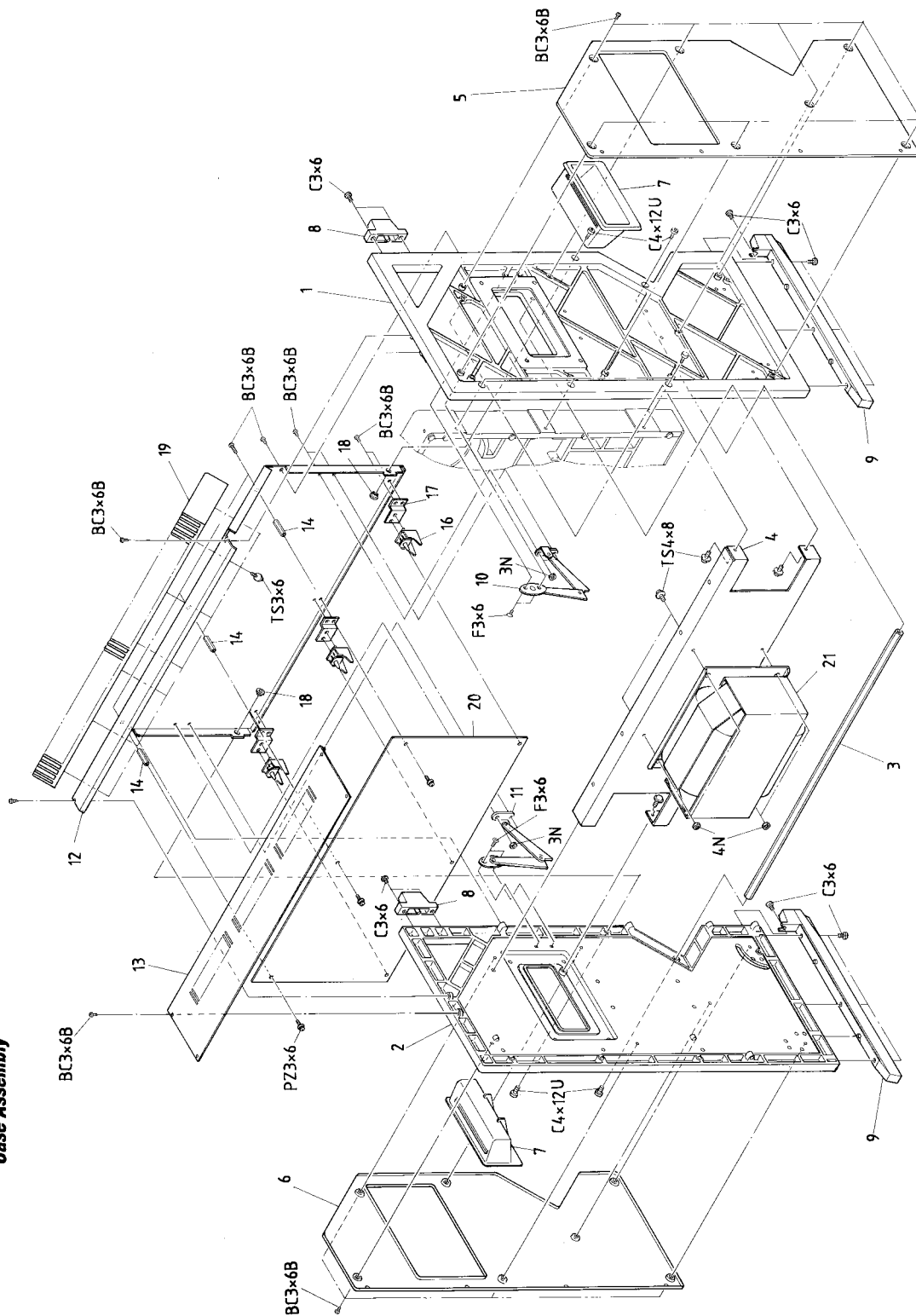
7.2 Parts Lists

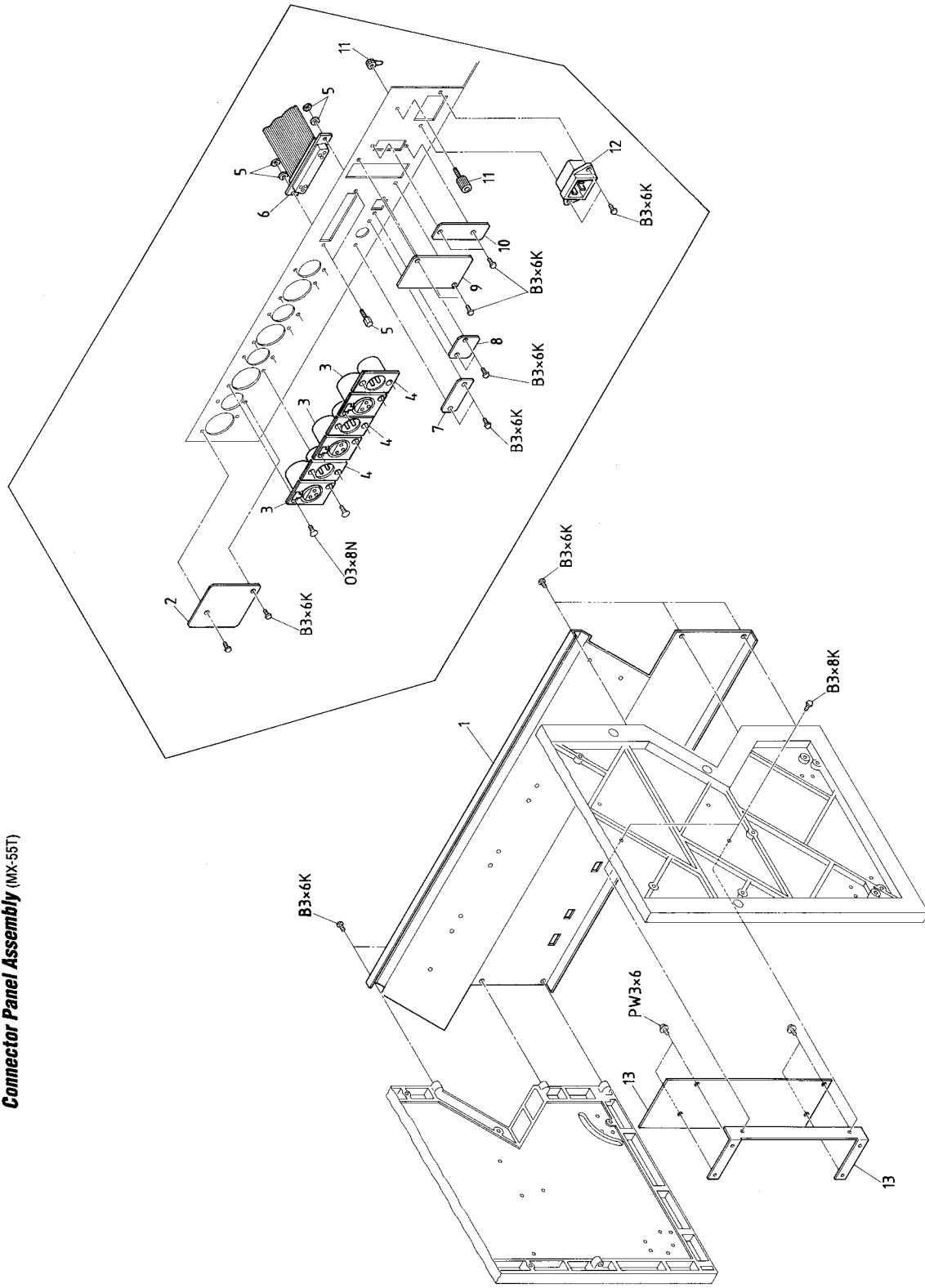
No.	Description	Parts No.	Notes
1.	Case Assembly	K1123---	MX-55T
2.	Connector Panel Assembly	CB-764--	MX-55T
3.	Case Assembly	K1138---	MX-55T-M, N-M
	Connector Panel Assembly	CB-760--	MX-55T-M, N-M
4.	Head Assembly	KH-43U--	MX-55N-M
	Head Assembly	KH-43R--	MX-55T, T-M
5.	Reel Assembly	KW-41D--	
6.	Tape Transport Assembly 1	T0047---	MX-55T-M, N-M
	Tape Transport Assembly 1	T0050---	MX-55T
7.	Tape Transport Assembly 2	T0047---	MX-55T-M, N-M
	Tape Transport Assembly 2	T0050---	MX-55T
8.	Transport Control Panel	CB-21K--	MX-55T
	Transport Control Panel	CB-22H--	MX-55T-M, N-
9.	Audio Amplifier Assembly 1	A1138---	MX-55N-M
	Audio Amplifier Assembly 1	A1146---	MX-55T
	Audio Amplifier Assembly 1	A1147---	MX-55T-M
10.	Audio Amplifier Assembly 2	A1138---	MX-55N-M
	Audio Amplifier Assembly 2	A1147---	MX-55T-M
11.	Audio Amplifier Assembly 3	A1138---	MX-55N-M
	Audio Amplifier Assembly 3	A1147---	MX-55T-M
12.	Audio Amplifier Assembly 3	A1146---	MX-55T

[1] Case Assembly

No.	Parts Name	Parts No.	Remarks
1.	Frame, R	K112313-	
2.	Frame, L	K112312-	
3.	Stud	KZ7B819-	
4.	Bracket, Power Transformer	K112311-	
5.	Panel, Side, R	K112307-	
6.	Panel, Side, L	K112306-	
7.	Handle	CY1004--	
8.	Case Foot	CY4108--	
9.	Case Foot	CY4109--	
10.	Hinge, L	CY2015--	
11.	Hinge, R	CY2016--	
12.	Panel A, Rear	K112304-	
13.	Panel B, Rear	K112305-	
14.	Stud	KZ9H220A	
15.	-----	-----	
16.	Spacer, Hinge	PZ4E089-	
17.	Angle, Hinge	K112310-	
18.	Collar	KZ6C119-	
19.	Heatsink Assembly	CB-751--	
	Transistor	QB8630--	2SB8630
	Transistor	QD11480-	2SD11480
	Transistor	QB1032K-	2SB1032K
	Transistor	QD1436K-	2SD1436K
	Regulator	ISI3242P	SI-3242P
	Regulator	IH7805H-	7805
	Regulator	IH7815H-	7815
	Bridge Diode	PNS15B20	S15VB20
20.	CONTROL PCB Assembly	PB-4HHA-	
21.	Power Transformer	TF11119-	

Case Assembly



Connector Panel Assembly (MX-55T)

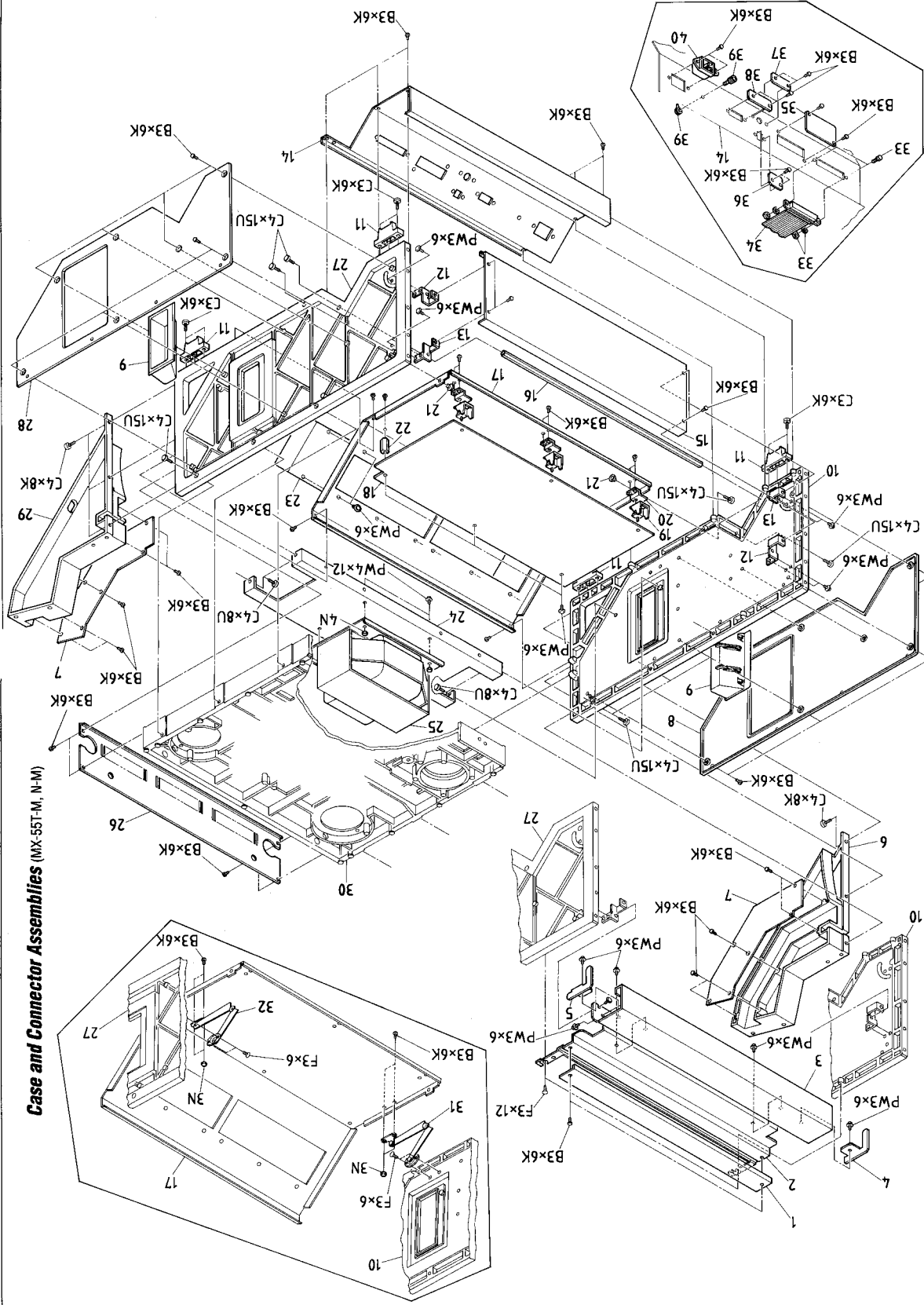
[2] Connector Panel Assembly (MX-55T)

No.	Parts Name	Parts No.	Remarks
1.	Panel, Connector	CB76401-	
2.	Panel A, Blank	CB75003-	
3.	Connector, XL-Type Receptacle	CN103194	
4.	Connector, XL-Type Receptacle	CN103195	
5.	Screw, Lock	CB7B-212	
6.	Cable Assembly, Parallel I/O	PZ9D204-	
7.	Panel D, Blank	CB75007-	
8.	Panel B, Blank	CB75004-	
9.	Panel C, Blank	CB75005-	
10.	Panel E, Blank	CB75008-	
11.	Terminal	CN901040	
12.	AC Inlet	CN603012	
13.	LINE OUT PCB Assembly	PB-1AWA-	

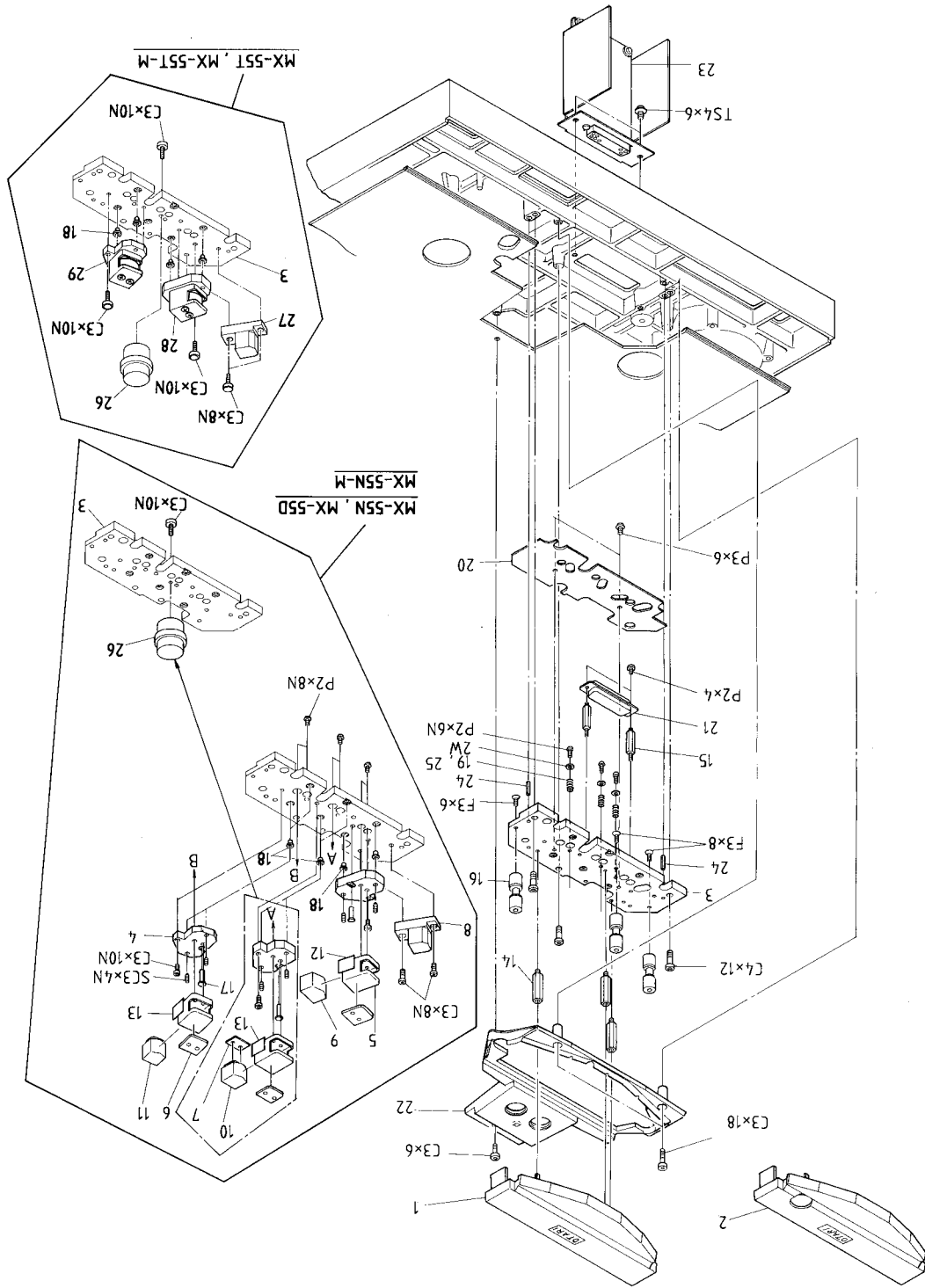
[3] Case and Connector Assemblies (MX-55T-M, N-M)

No.	Parts Name	Parts No.	Remarks
1.	Angle, Front	K113805-	
2.	Chassis, Front	K113803-	
3.	Protector Assembly	K1138-A-	
4.	Holder L, Sheet	K113807-	
5.	Holder R, Sheet	K113806-	
6.	Frame L, Top	K113813-	
7.	Panel, Blind	K113816-	
8.	Panel L, Side	K112306-	
9.	Handle	CY1004--	
10.	Frame L	K112312-	
11.	Case Foot	CY4108--	
12.	Bracket L	K113802-	
13.	Bracket R	K113801-	
14.	Panel, Connector	CB76001-	
15.	Cover, Front	K113804-	
16.	Stud	KZ7B819-	
17.	Panel A, Rear	K112304-	
18.	CONTROL PCB Assembly	PB-4HHA-	
19.	Spacer, Hinge	PZ4E089-	
20.	Angle, Hinge	K112310-	
21.	Collar	KZ6C119-	
22.	Stud	KZ9H220A	
23.	Heatsink Assembly	CB-751--	
24.	Bracket, Power Transformer	K112311-	
25.	Power Transformer	TF11119-	
26.	Panel B, Rear	K113810-	
27.	Frame R	K112313-	
28.	Panel R, Side	K112307-	
29.	Frame R, Top	K113812-	
30.	Panel, Top	T004104-	
31.	Hinge L	CY2015--	
32.	Hinge R	CY2016--	
33.	Screw, Lock	CN7B-212	
34.	Cable Assembly, Parallel I/O	PZ9D164-	
35.	Panel C, Blank	CB75005-	
36.	Panel B, Blank	CB75004-	
37.	Panel D, Blank	CB75007-	
38.	Panel E, Blank	CB75008-	
39.	Terminal, Ground	CN901040	
40.	AC Inlet	CB603012	

Case and Connector Assemblies (MX-55T-M, N-M)



Head Assembly



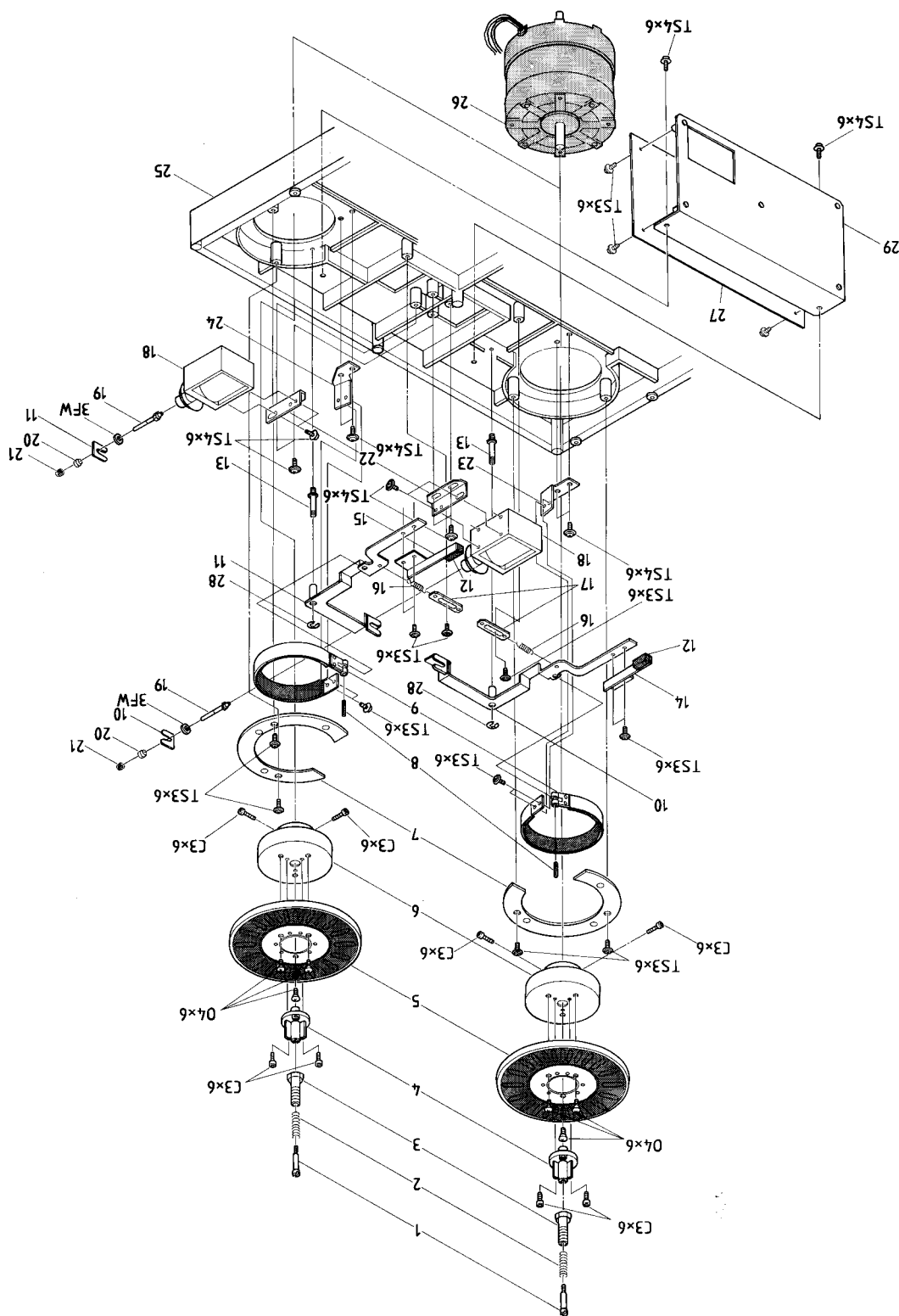
[4] Head Assembly

No.	Parts Name	Parts No.	Remarks
1.	Head Housing Assembly	KH-43GB-	
2.	Head Housing Assembly	KH-43GA-	MX-55D
3.	Base, Head	KH0C069-	
4.	Bracket, Head	KH0D143-	MX-55N-M
5.	Case, Shield	KH0B033-	MX-55N-M
6.	Protector Assembly	KH-43GC-	MX-55N-M
7.	Spacer	KH43G02-	
8.	Head Assembly, Erase	GH4E082D	MX-55N-M
9.	Head Assembly, Record	GH4R005	MX-55N-M
10.	Head Assembly, 4 trk 2 ch Repro	GH4P069-	MX-55N, D
11.	Head Assembly, 2 trk 2 ch Repro	GH4P027-	MX-55N-M
12.	Label, Record Head	PT5032A--	
13.	Label, Reproduce Head	PT5032B--	
14.	Stud	KZ7B147-	
15.	Stud	KZ7B820-	
16.	Guide, Tape	KG4A003-	
17.	Pin, Head	KZ5G020-	
18.	Pin, Retaining	KH42C03-	
19.	Spring, Head Position Adjustment	GS2016--	MX-55N-M
20.	Plate, Shield	KH43G01-	
21.	Connector, D-sub Type	CN225103	
22.	Skirt	T004102-	
23.	HEAD AMPLIFIER PCB Assembly	PB-1AAA-	
	Support, Connector	PB1AA01-	
24.	Spring Pin	F62314--	MX-55N-M
25.	Spring, Head Position Adjustment	GS2015--	MX-55T, T-M
26.	Head, Dummy	KH43D01-	MX-55T, T-M, N-M
27.	Head Assembly, 1/4" 3 trk Erase	KH4E141A	MX-55T, T-M
28.	Head Assembly, 1/4" 3 trk Record	KH4R139A	MX-55T, T-M
29.	Head Assembly, 1/4" 3 trk Repro	KH4P140A	MX-55T, T-M

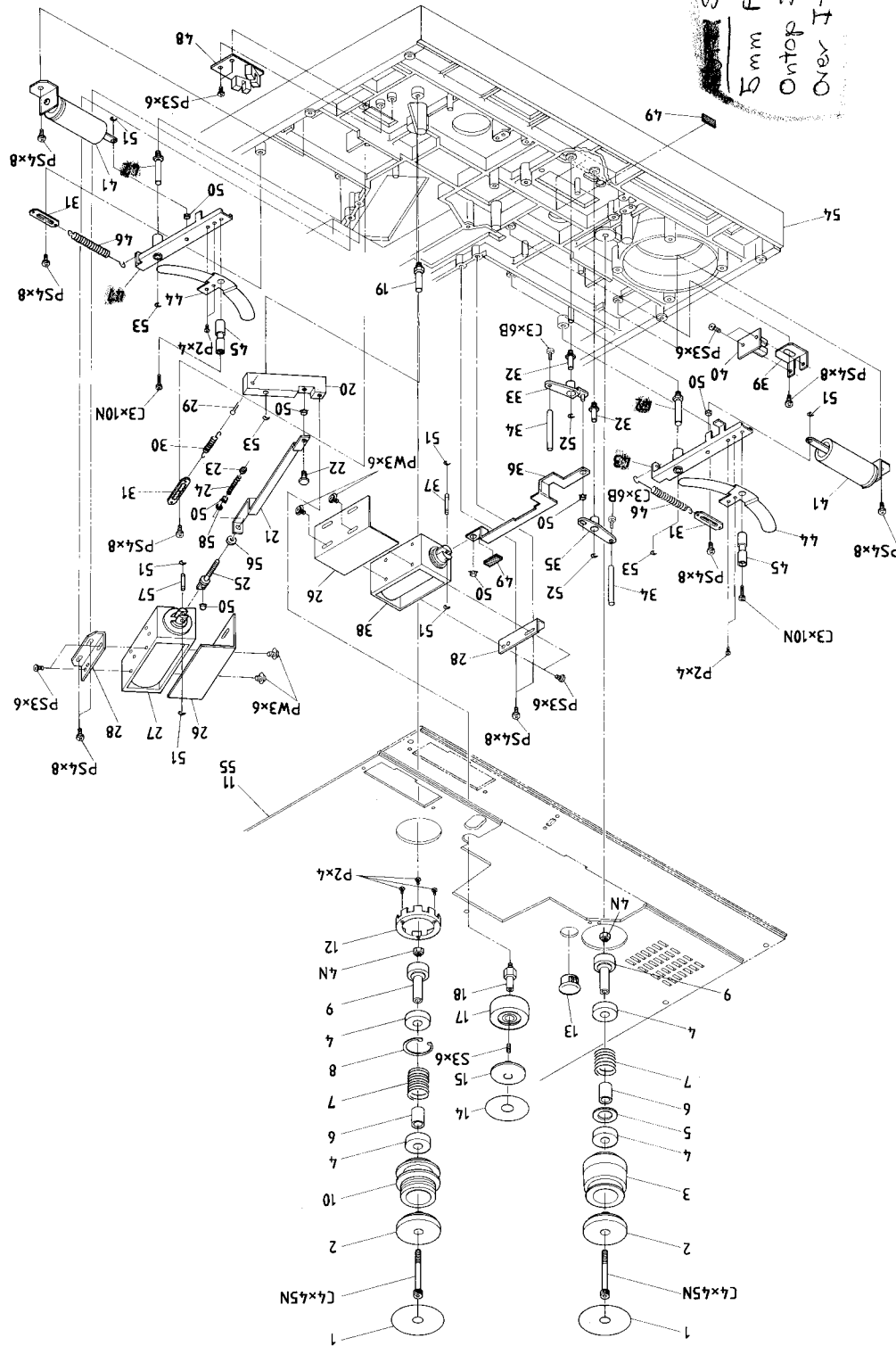
[5] Reel Assembly

No.	Parts Name	Parts No.	Remarks
1.	Pin, Reel Shaft	KW0E058-	
2.	Spring	GS2109--	
3.	Shaft, Reel	KW0B052-	
4.	Nail, Reel Drive	KW0E063-	
5.	Reel Table Assembly	KW-41DF-	
6.	Drum, Brake	KW0A057-	
7.	Guide, Brake	KW41D02-	
8.	Spring Pin	F62314--	
9.	Brake Band Assembly	KW-4E-A-	
10.	Brake Arm L Assembly	KW-41DB-	
11.	Brake Arm R Assembly	KW-41DA-	
12.	Stopper, Rubber	PZ1C113-	
13.	Shaft, Arm	KW41D01-	
14.	Angle L, Brake	KZ3A135-	
15.	Angle R, Brake	KZ3A136-	
16.	Spring	GS1149--	
17.	Plate, Spring Adjustment	KZ3A134-	
18.	Solenoid	GP1F04--	
19.	Screw	KZ6A095-	
20.	Washer	KZ6C116-	
21.	Nut	F951D001	
22.	Bracket, Solenoid	KZ2A127-	
23.	Angle L, Brake	KW41D11-	
24.	Angle R, Brake	KW41D10-	
25.	Plate, Deck	T004104-	
26.	Motor, Reel	MR1C032-	
	Connector	CN404217	
	Contact, Socket	CN7B-005	
27.	VOLTAGE SELECT PCB Assembly	PB-7NWA-	
	Capacitor	CZ10052W	
	Fuse, 5 A	FH9-007-	Slow blow
	Fuse, 1 A	FH7A010-	12.5 V
	Fuse, 2 A	FH7A020-	12.5 V
	Fuse, 5 A	FH7A050-	12.5 V
28.	Retaining Ring, E-type	F7504.0--	
29.	Bracket Assembly	T0046-A-	

Reel Assembly



Tape Transport Assembly (1)



Shims -
5mm Polyslide Washers
Ontop Items 43, 47
Over Item 42

[6] Tape Transport Assembly (1)

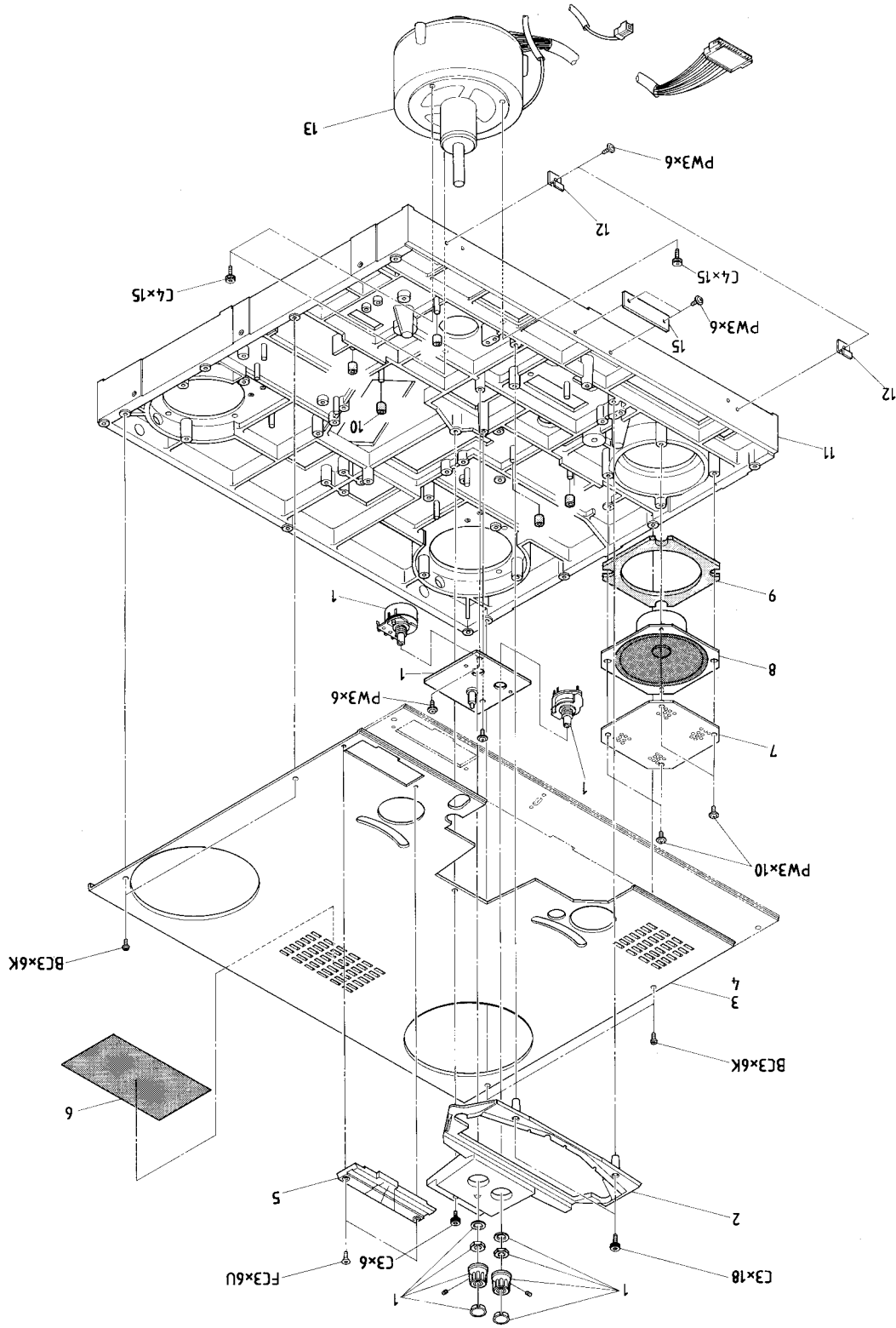
No.	Parts Name	Parts No.	Remarks
1.	Film, Protection	KZ6C091-	
2.	Cap, Roller	KI4N001-	
3.	Roller, Impedance	KI0A066-	
4.	Bearing	BA1Z064-	
5.	Washer	KZ6C061-	
6.	Collar	KZ7C080-	
7.	Spring	GS2108--	
8.	Retaining Ring, C-type	F7019.0-	
9.	Shaft, Roller	GR4Y003-	
10.	Roller, Tachometer	GR4Z003-	
11.	Skin, Deck	T004101-	MX-55T
12.	Ring, Slit	SR3Z033-	
13.	Plug, Hole	PZ1G118-	
14.	Film, Protection	KZ6C092-	
15.	Cap, Pinch Roller	KP0C030-	
17.	Pinch Roller Assembly	KP-4S-A-	
18.	Shaft, Pinch Roller	KP0B051-	
19.	Shaft, Arm	KP4S002-	
20.	Arm, Pinch Roller	KP4S001-	
21.	Link, Solenoid	KZ3A137-	
22.	Pin, Link	KZ5G028-	
23.	Nut	F951D001	
24.	Spring	GS2125--	
25.	Screw, Link Adjustment	KZ6A109-	
26.	Plate, Shield	KR4R008-	
27.	Solenoid	GP1B12--	
28.	Bracket, Solenoid	KZ2A127-	
29.	Pin, Split	F66212--	
30.	Spring	GS1033--	
31.	Plate, Spring Adjustment	KZ3A134-	
32.	Shaft, Link	KW41D03-	
33.	Lifter Link R Assembly	KR-4T-B-	
34.	Pin, Lifter	KR4T001-	
35.	Lifter Link L Assembly	KR-4T-A-	
36.	Link, Lifter	KR4T002-	
37.	Pin, Solenoid	KZ5A006-	
38.	Solenoid	GP1Q01--	
39.	Bracket, Sensor PCA	KZ2A129-	
40.	PHOTO SENSOR PCB Assembly	PB-4HFA-	(Sensor: PN-0227)
41.	Air Pot Assembly	AS-73W--	
42.	Shaft, Arm	KA41D12-	
43.	Tension Arm L Assembly	KA-41DB-	
44.	Blind	KA41D01-	
45.	Guide, Tape	KG4D008-	
46.	Spring [Take-up]	GS1148--	
	Spring [Supply]	GS1162--	
47.	Tension Arm R Assembly	KA-41DC-	
48.	TACH SENSOR PCB Assembly	PB-4HCA-	(Sensor: PN-0212)
49.	Stopper, Rubber	PZ1C113-	
50.	Bush	KZ6C118-	
51.	Retaining Ring, E-type	F7502.0-	
52.	Retaining Ring, E-type	F7503.0-	
53.	Retaining Ring, E-type	F7504.0-	
54.	Plate, Deck	T004104-	
55.	Skin, Deck	T004703-	MX-55N-M, T-M
56.	Cushion	PZ1C118	
57.	Pin, Solenoid	KZ5A003	
58.	Washer, Nylon	KZ6C044	

SEE
NOTE

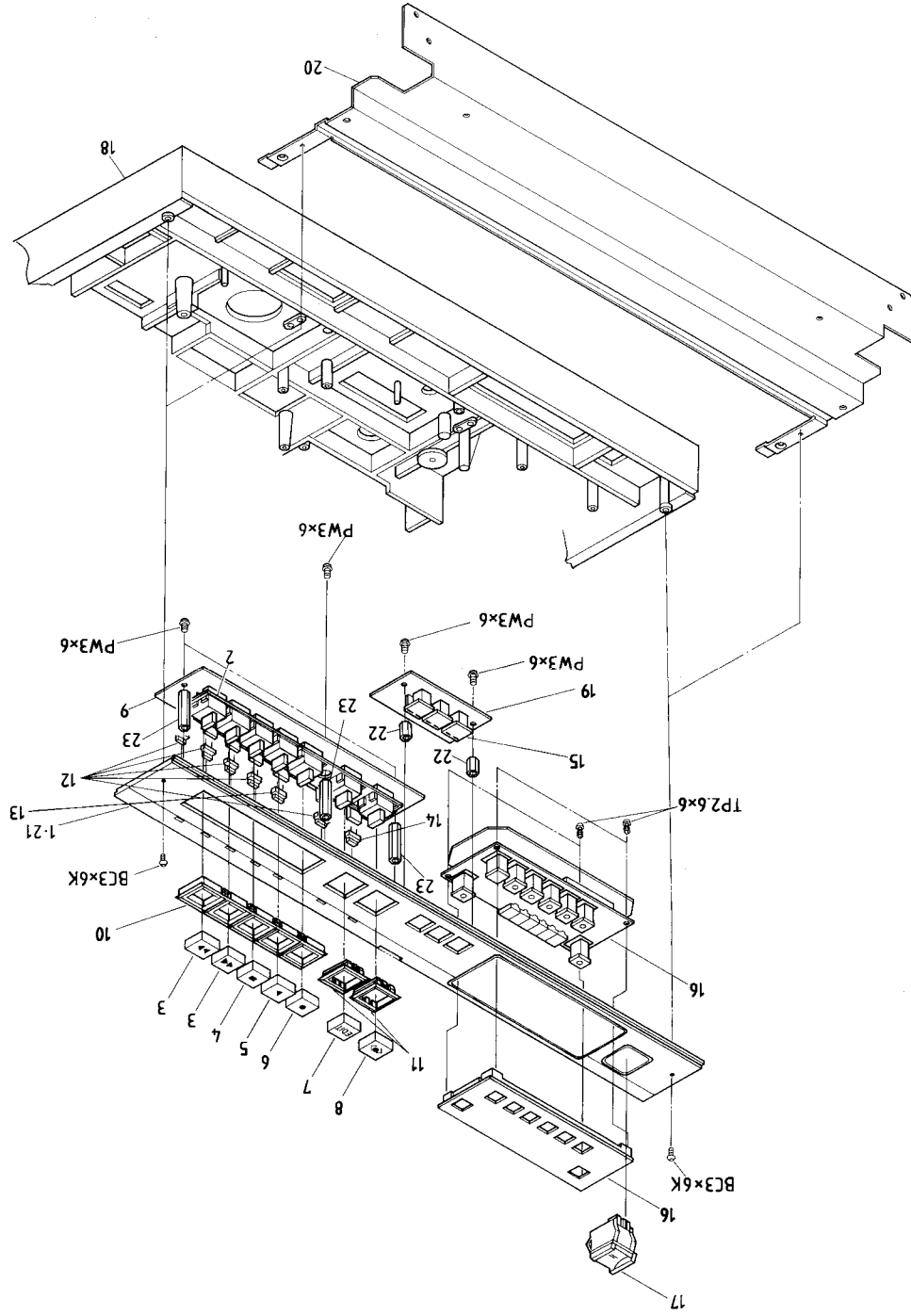
[7] Tape Transport Assembly (2)

No.	Parts Name	Parts No.	Remarks
1.	PITCH CONTROL VR PCB Assembly	PB-4HGA-	
	Rotary Encoder	SR3Z027-	
	Rotary Switch	WH63087-	
	Knob	KN1103--	
	Cap	KN1099--	
2.	Skirt	T004102-	
3.	Skin, Deck	T004101-	MX-55N, T
4.	Skin, Deck	T004703-	MX-55N-M, T-M
5.	Block, Splicing	T004109-	
6.	Blind	PZ1B070-	
7.	Cover, Speaker	T004105-	
8.	Speaker Assembly	T0041-A-	
9.	Cushion, Speaker	PZ1C120-	
10.	Damper	PZ1C109-	
11.	Plate, Deck	T004104-	
12.	Stopper	KZ2A130-	MX-55N, T
13.	Motor, Capstan	KC-41C--	
14.	-----		
15.	Plate, Support	T004702-	MX-55N-M, T-M

Tape Transport Assembly (2)



Transport Control Panel



[8] Transport Control Panel

No.	Parts Name	Parts No.	Remarks
1.	Panel, Control	CB21K01-	MX-55T
2.	Frame, Switch	CB21K03-	
3.	Button, WIND	KN2143--	
4.	Button, STOP	KN2141--	
5.	Button, PLAY	KN2142--	
6.	Button, RECORD	KN2144--	
7.	Button, EDIT	KN2147--	
8.	Button, CUE	KN2145--	
9.	CONTROL SWITCH PCB Assembly 1	PB-4HDA-	
	Push Switch	WH11258-	
10.	Escutcheon, Switch	PZ4A027-	
11.	Escutcheon, Switch	PZ4A026-	
12.	LED	PNTLG208	Green
13.	LED	PNTLR208	Red
14.	LED	PNTLY208	Yellow
15.	Cap, Switch	WH0B126C	Gray
16.	Timer Display Assembly	ZA-93E--	
	Lens	KN5011--	
	TIMER INDICATOR PCB Assembly	PB-7HTA-	
	TIMER DRIVE PCB Assembly	PB-7HUA-	
17.	Switch, Power	WH42062-	
18.	Plate, Deck	T004104-	
19.	CONTROL SWITCH PCB Assembly 2	PB-4HEA-	
	Push Switch	WH11294-	
20.	Chassis, Front	K113803-	MX-55N-M, T-M
21.	Panel, Control	CB22H01-	MX-55N-M, T-M
22.	Stud	KZ9H080A	
23.	Stud	KZ9H220A	

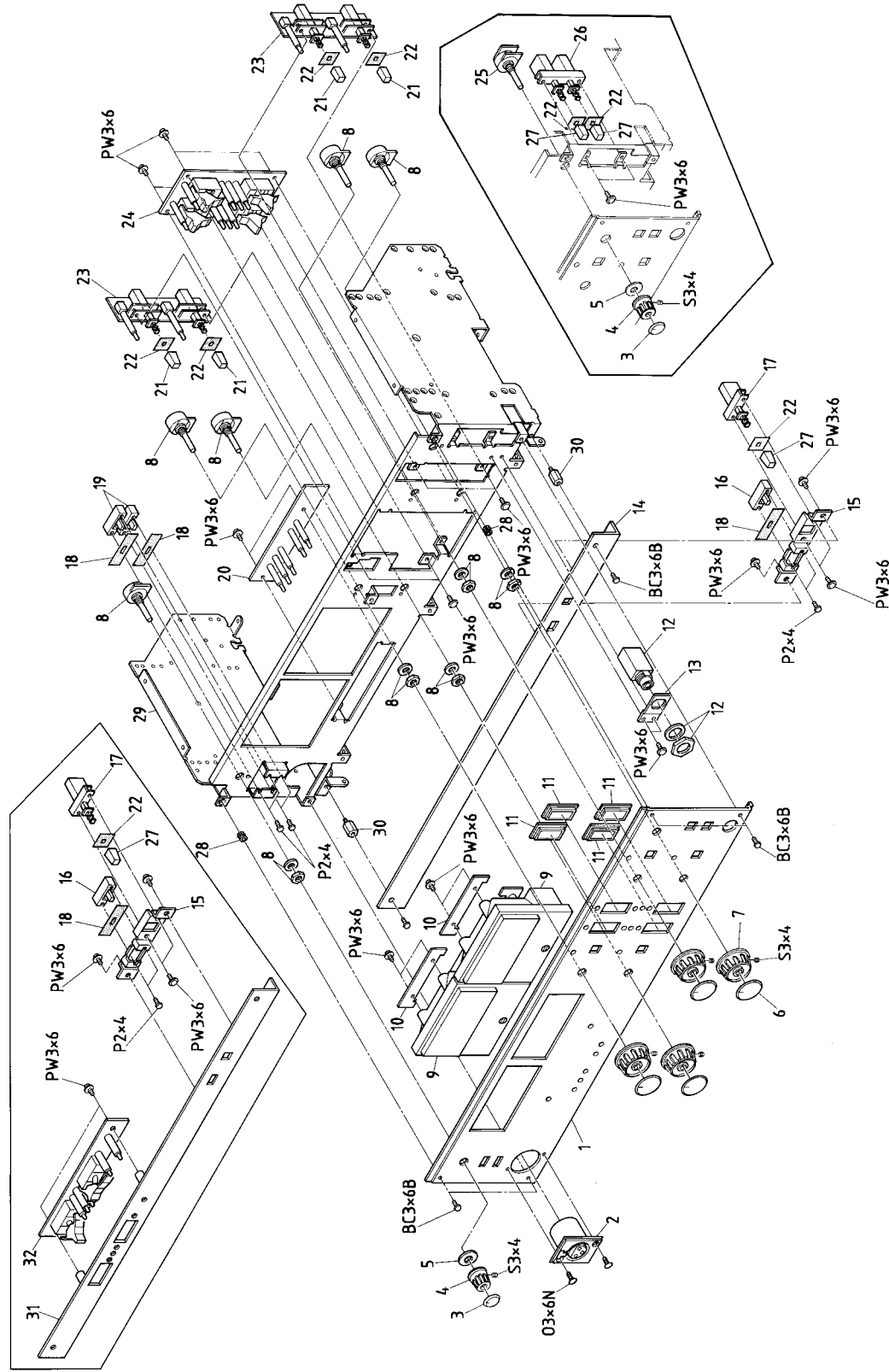
[9] Audio Amplifier Assembly (1)

No.	Parts Name	Parts No.	Remarks
1.	Panel, Amplifier	A112301-	
2.	Connector, XL-type Receptacle	CN103194	Female
3.	Cap, Knob	KN1099--	
4.	Knob	KN1103--	
5.	Washer	KZ6C048-	
6.	Cap, Knob	KN1102--	
7.	Knob	KN1100--	
8.	Potentiometer	RV214100	
9.	VU Meter	ME11021-	
10.	LED PCB Assembly	PB-7LMB-	
11.	Escutcheon	PZ4A021-	
12.	Phone Jack	CN603228	
13.	Holder, Phone Jack	A112310-	
14.	Panel, Switch	A113817-	MX-55N-M
15.	Angle, Oscillator Switch	A114605-	
16.	Slide Switch	WH12290-	
17.	Push Switch	WH320544	
18.	Blind	PZ1B066-	
19.	Switch	WH320546	
20.	EQ/REF FLUX LED PCB Assembly	PB-7LJA-	
21.	Button	KN1060--	Yellow
22.	Blind	PZ1B053-	
23.	SRL SWITCH PCB Assembly	PB-7LKA-	
24.	MODE SWITCH PCB Assembly	PB-7QKA-	see Below
25.	Potentiometer	RV214105	
26.	Push Switch	WH12291-	
27.	Button	KN1061--	
28.	Pivot	PZ1F005-	
29.	Amplifier Chassis Sub Assembly	A1138-C-	
30.	Stud	KZ9L110A	
31.	Panel, Time Code	A114601-	MX-55T, T-M
32.	TC MODE SWITCH PCB Assembly	PB-7PTA-	MX-55T, T-M

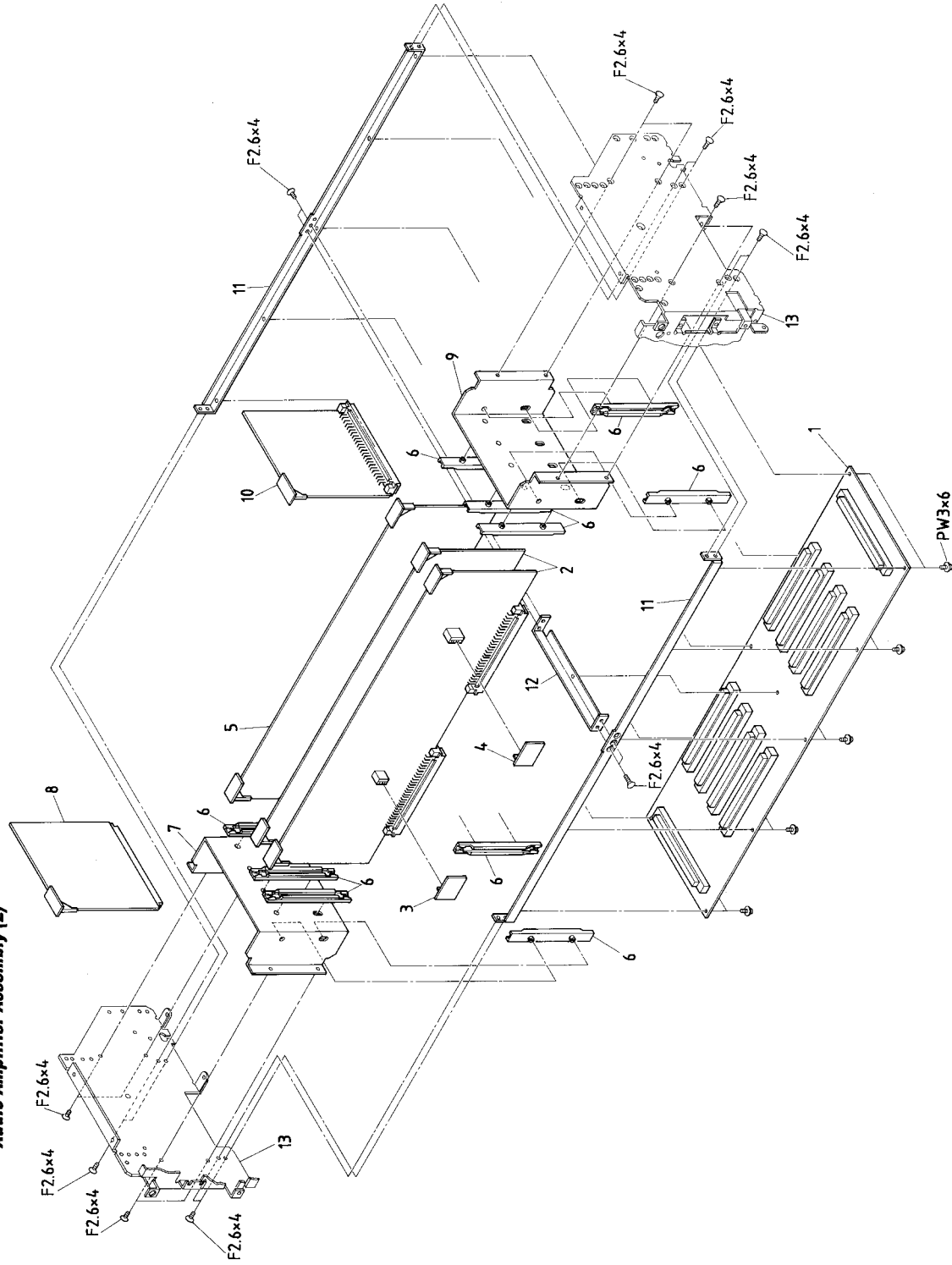
Item 24 Switch Caps ~~KN3002~~

(Red) Ready/Safe KN3002

(Light Grey) Input/Sel-Rep
/Repro KN3004

Audio Amplifier Assembly (1)

Audio Amplifier Assembly (2)



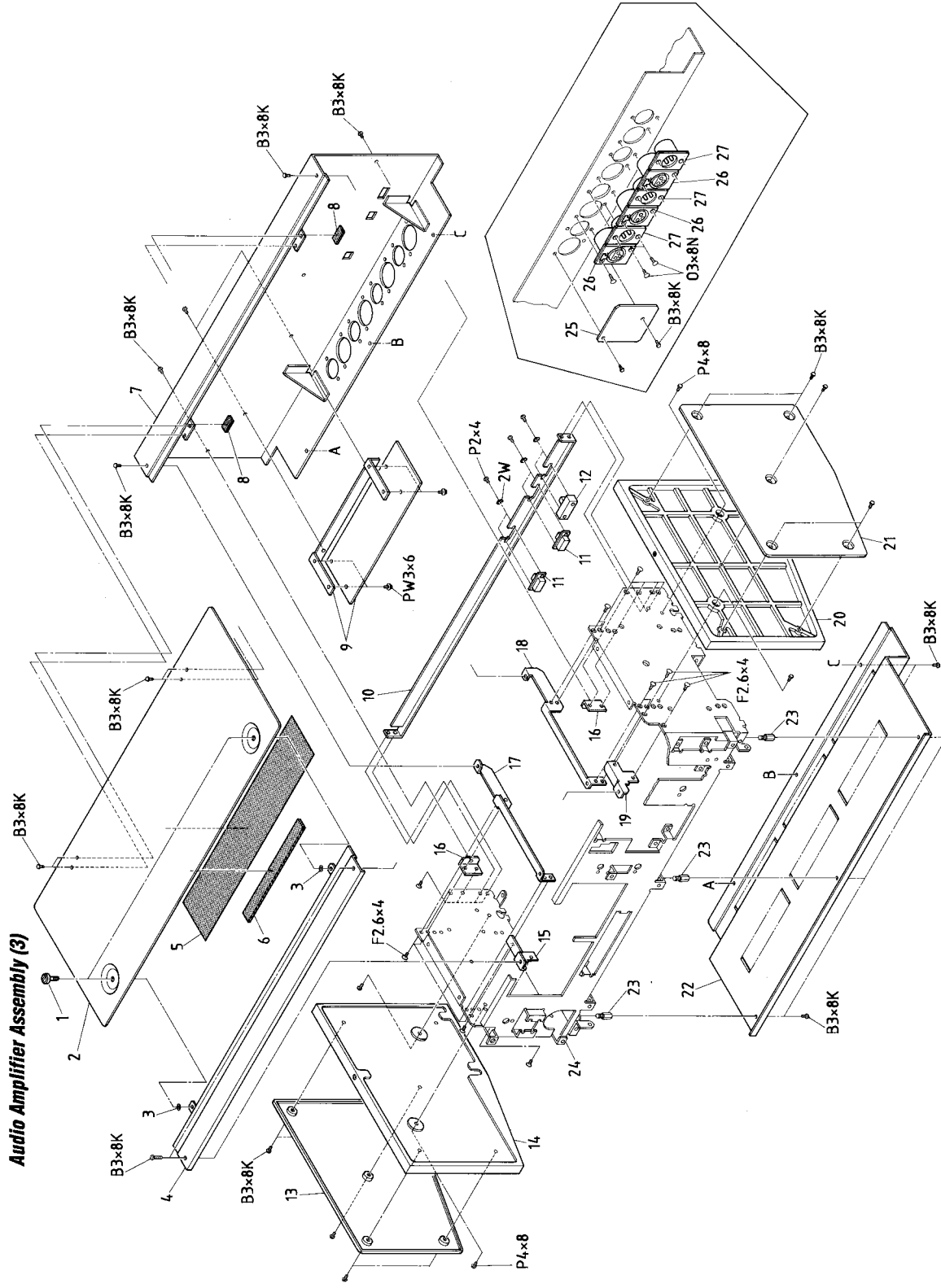
[10] Audio Amplifier Assembly (2)

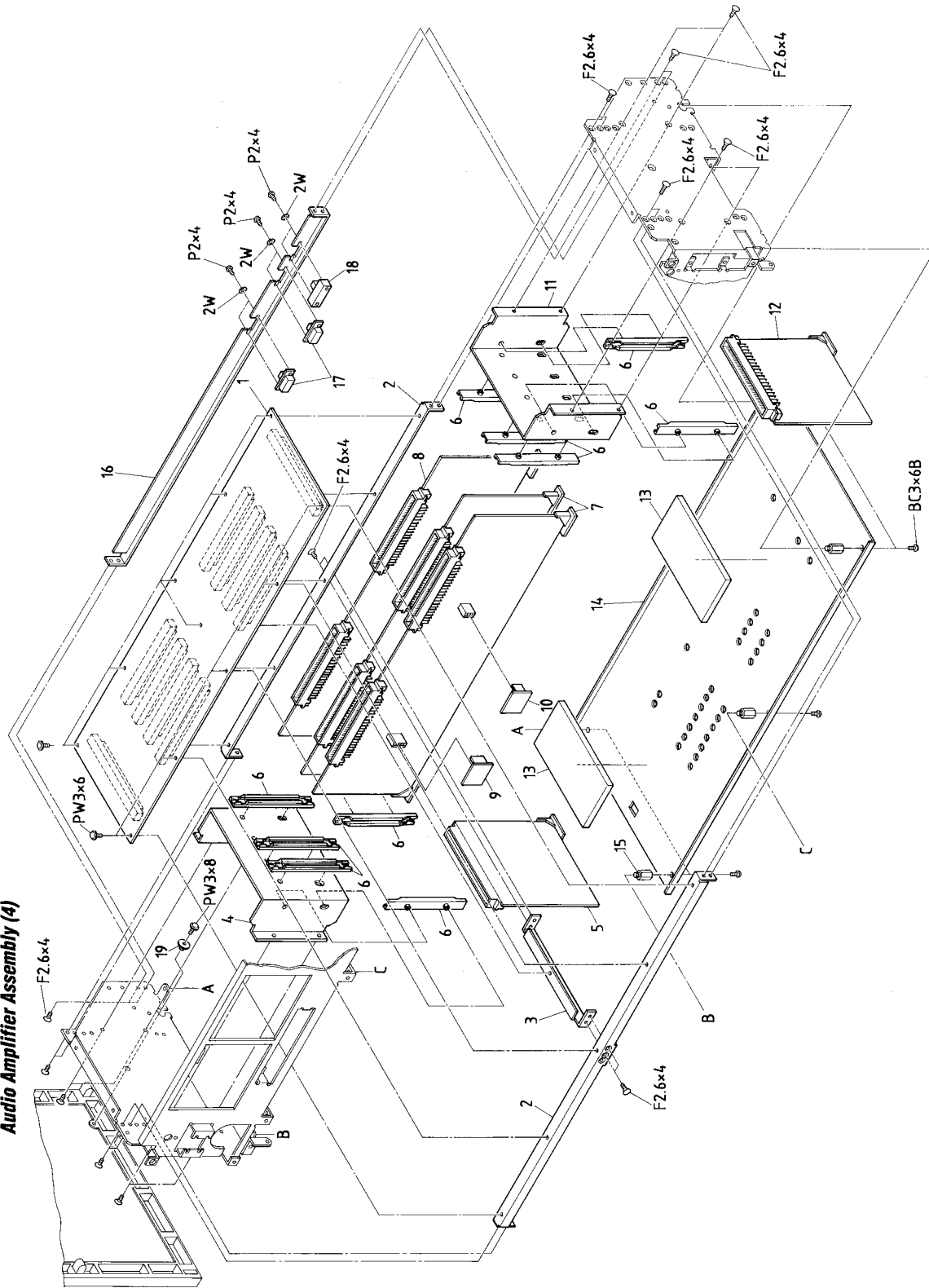
No.	Parts Name	Parts No.	Remarks
1.	MOTHER PCB Assembly	PB-7PSA-	
2.	AUDIO AMPLIFIER PCB Assembly	PB-1AVAA	
3.	REC REF. PCB Assembly	PB-7NAA-	
4.	REP REF. PCB Assembly	PB-7MZA-	
5.	TIME CODE AMPLIFIER PCB Assembly	PB-1CKA-	MX-55T, T-M
6.	Rail, Guide	A109905-	
7.	Panel L, Support	A113810-	
8.	MONITOR AMPLIFIER PCB Assembly	PB-1AUA-	
9.	Panel R, Support	A113809-	
10.	MIC. AMPLIFIER PCB Assembly	PB-1ATA-	
11.	Support, Side	A113811-	
12.	Angle, Center	A113812-	
13.	Amplifier Chassis Sub Assembly	A1138-C-	

[11] Audio Amplifier Assembly (3)

No.	Parts Name	Parts No.	Remarks
1.	Screw	KZ6A098-	
2.	Panel, Amplifier Top	A113825-	
3.	Retaining Ring, E-type	F7502.0-	
4.	Amplifier Panel Sub Assembly	KZ6A098-	
5.	Label	PT4224--	
6.	Spacer	PZ1C122-	
7.	Panel, Connector	A113824-	
8.	Cushion	PZ1C127-	
9.	OUTPUT AMPLIFIER PCB Assembly	PB-1AWA-	
10.	Angle, Switch	A113807-	
11.	Switch	WH320601	
12.	Switch	WH320546	
13.	Side Panel L	K113818-	
14.	Side Panel L, Top	K113815-	
15.	Angle L, Cover	K113816-	
16.	Angle, Connector	A113808-	
17.	Supporter R	A113826-	
18.	Supporter L	A113827-	
19.	Angle R, Cover	A113815-	
20.	Side Panel R, Top	K113814-	
21.	Side Panel R	K113817-	
22.	Panel, Bottom	A113823-	
23.	Stud	KZ9L110A	
24.	Amplifier Chassis	A1138-C-	
25.	Blind A	CB75003-	
26.	Connector, XL-Type Receptacle	CN103194	
27.	Connector, XL-Type Receptacle	CN103195	

Audio Amplifier Assembly (3)


























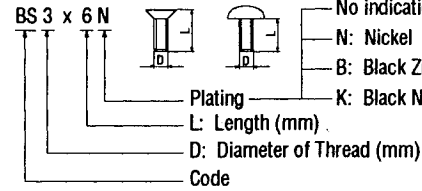
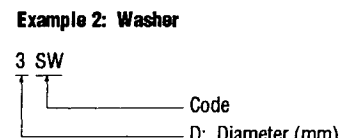






Audio Amplifier Assembly (4)

[12] Audio Amplifier Assembly (4)

No.	Parts Name	Parts No.	Remarks
1.	MOTHER PCB Assembly	PB-7PSA-	
2.	Support, Side	A113811-	
3.	Angle, Center	A113812-	
4.	Panel L, Support	A113810-	
5.	MONITOR AMPLIFIER PCB Assembly	PB-1AUA-	
6.	Rail, Guide	A109905-	
7.	AUDIO AMPLIFIER PCB Assembly	PB-1AVAA	
8.	TIME CODE AMPLIFIER PCB Assembly	PB-1CKA-	
9.	REC REF. PCB Assembly	PB-7NAA-	
10.	REP REF. PCB Assembly	PB-7MZA-	
11.	Panel R, Support	A113809-	
12.	MIC. AMPLIFIER PCB Assembly	PB-1ATA-	
13.	Pad	PZ1C128-	
14.	Panel, Bottom	A114602-	
15.	Stud	KZ9L110A	
16.	Angle, Switch	A113807-	
17.	Switch	WH320601	
18.	Switch	WH320546	
19.	Collar	KZ6C117-	

Assembling Hardware

Name	Code	Name	Code
 Bind SEMS Screw	BS	 Hex Head Bolt	H
 Pan SEMS Screw	PS	 Hex Nut	N
 Triple Screw	TS	 Flat Washer	W
 Binding Head Screw	B	 Fiber Washer	FW
 Pan Head Screw	P	 Stainless Steel Washer	SSW
 Flat Countersunk Head Screw	F	 Spring Washer	SW
 Oval Countersunk Head Screw	O	 Lock Washer	LW
 Truss Head Screw	T	 Knob Washer	KW
 Pan Screw with Spring Washer and Flat Washer	PZ	 Retaining Ring, E-type	E
 Hex Socket Head Screw	C	 Retaining Ring, C-type, Outer	CO
 Hex Socket Headless Set Screw, Flat	S	 Retaining Ring, C-type, Inner	CI
 Hex Socket Headless Set Screw, Pinpoint	SP	 Spring Pin	SPN
 Button Head Socket Cap Screw	BC	<div style="border: 1px solid black; padding: 5px;"> <p>Example 1: Screw</p> <p>BS 3 x 6 N</p>  <p>Example 2: Washer</p> <p>3 SW</p>  </div>	
 Flat Head Socket Cap Screw	FC		
 Tapping Pan Head Screw	TP		
 Tapping Flat Countersunk Head Screw	TF		
 Flat Head Wood Screw	FWS		

All screws conform to ISO standard, and have a cross-recessed head, unless otherwise noted.
ISO screws have a point inscribed in the head.

