

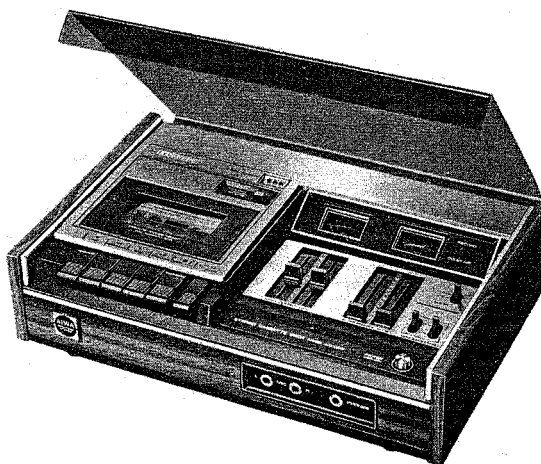
STEREO CASSETTE DECK WITH DOLBY SYSTEM

MODEL **AD-1300** EE, UK

AIWA[®] [SERVICE MANUAL]



Set using ISO screws



DATE OF ISSUE 25/8/1974

SPECIFICATIONS

Type:	Hi-Fi stereo cassette deck with Dolby system built in	50 mV (100 k Ω or higher)
Recording tracks:	4 tracks, 2 channels	DIN, Max. Input Sensitivity, 0.1 mV/k Ω (2.5 k Ω)
Circuit:	31 transistors, 24 diodes, 2 FET	LINE, Standard Output Level, 1.1 V (Dolby Level)
Power source:	AD 110–120 V/220–240 V 50/60 Hz	Optimum Load Impedance, 50 k Ω or higher
	LH tape, 30–14,000 Hz	DIN, Standard Output Level, 1.1 V (Dolby Level)
	CrO ₂ tape, 30–16,000 Hz	Optimum Load Impedance, 50 k Ω or higher
	Fe-Cr tape, 30–16,000 Hz	407 x 102 x 261 m/m
Power consumption:	58 dB (w/DOLBY NR On, CrO ₂ tape)	(16-1/16" x 10-9/32" x 4-1/32")
	0.09%	5.1 kg (11.22 lbs)
Frequency response:	4.8 cm/sec	Dimensions:
	120 sec (w/ C-60)	Head cleaning stick x 1
	120 sec (w/ C-60)	Weight:
S/N ratio:	AC bias	DIN cord x 1
Wow & flutter:	AC erase	Accessories:
Tape speed:	C-30, C-60, C-90, (C-120)	Tape cassette x 1
Rewinding time:	DC servomotor	
Fast forward time:	Ferrite guard head	
Recording system:	MIC, Max. Input Sensitivity,	
Erasing system:	0.25 mV (fit for 600 Ω –10 k Ω)	
Usable cassette tape:	LINE, Max. Input Sensitivity,	
Motor:		
Head:		
Input:		

- The external design and the specifications are subject to change without prior notice.
- * Dolby is a trade mark of Dolby Laboratories Incorporated.

DISASSEMBLY INSTRUCTIONS

1. How to Remove Back Cover

- 1) Remove six screws, (1) through (6).
(Refer to Fig. 1)

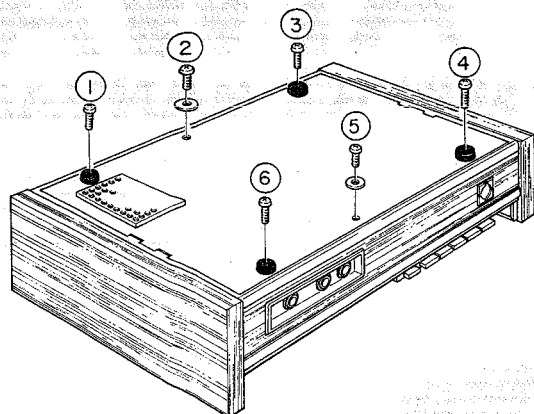


Fig. 1

2. How to Remove Mechanism Chassis (Chassis + Amp. Chassis)

- 1) Pull off record control knobs.
2) Remove six screw, (1) through (6).
(Refer to Fig. 2)

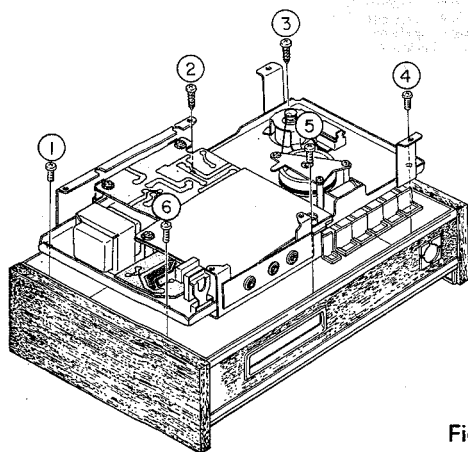


Fig. 2

※ When the chassis and amp. chassis have to be separated from each other, remove six screw, (1) through (6).
(Refer to Fig. 3)

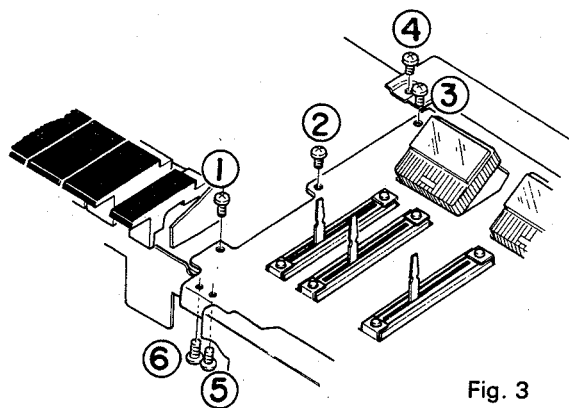


Fig. 3

3. How to Remove Main Circuit Board

- 1) Remove six screws, (1) through (6).

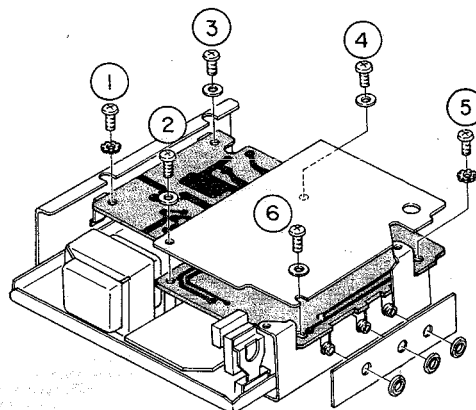


Fig. 4

4. How to Remove Switch Circuit Board

- 1) Remove nine screw, (1) through (9).
(Refer to Fig. 5)

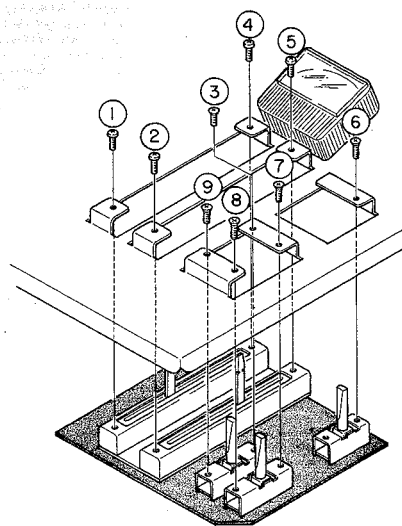


Fig. 5

5. How to Remove Stop Muting Switch Circuit Board

- 1) Remove one screw (1).
(Refer to Fig. 6)

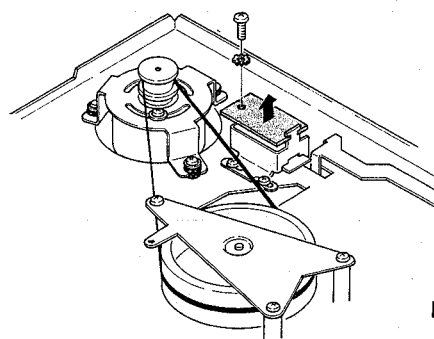
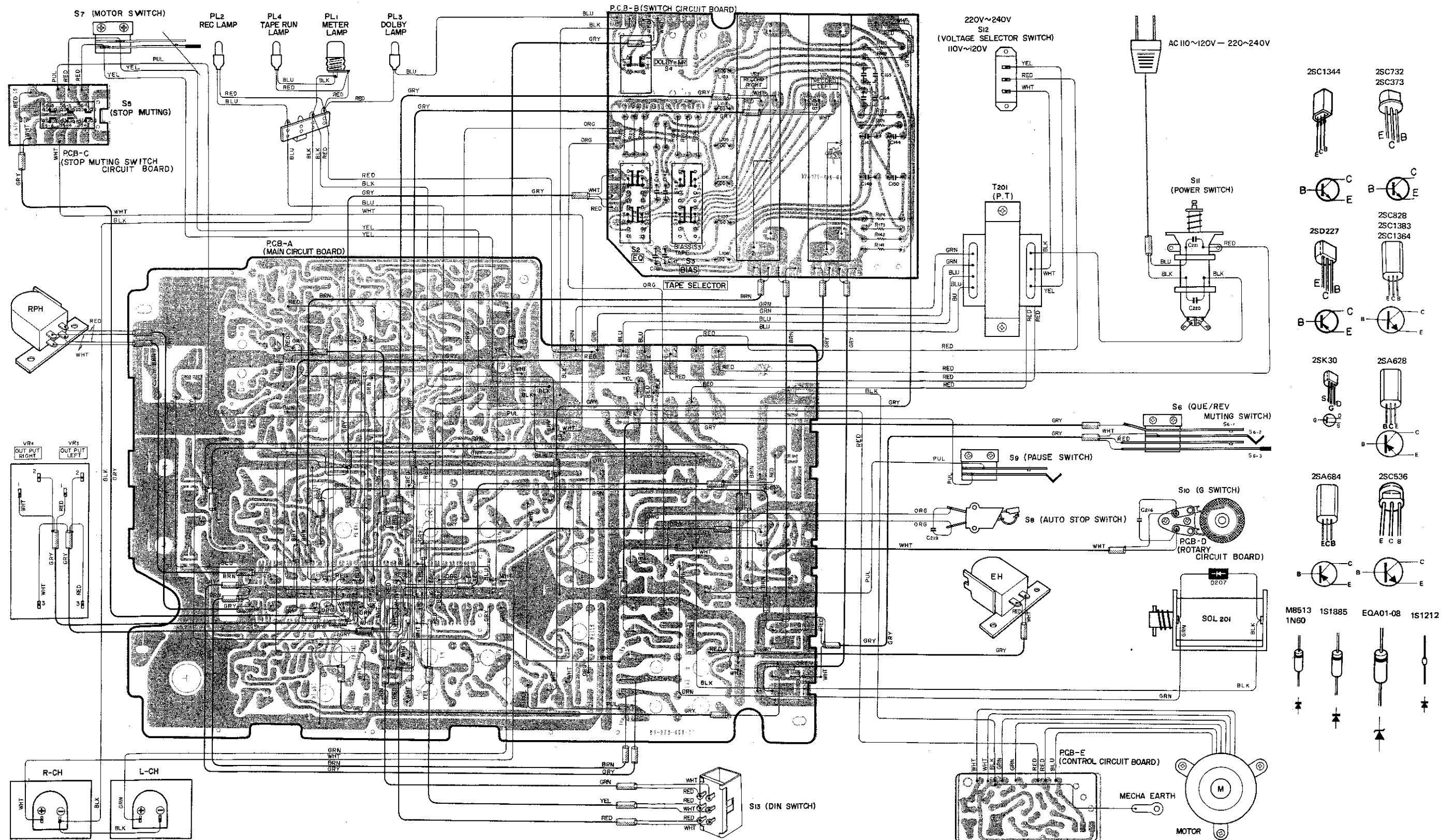


Fig. 6

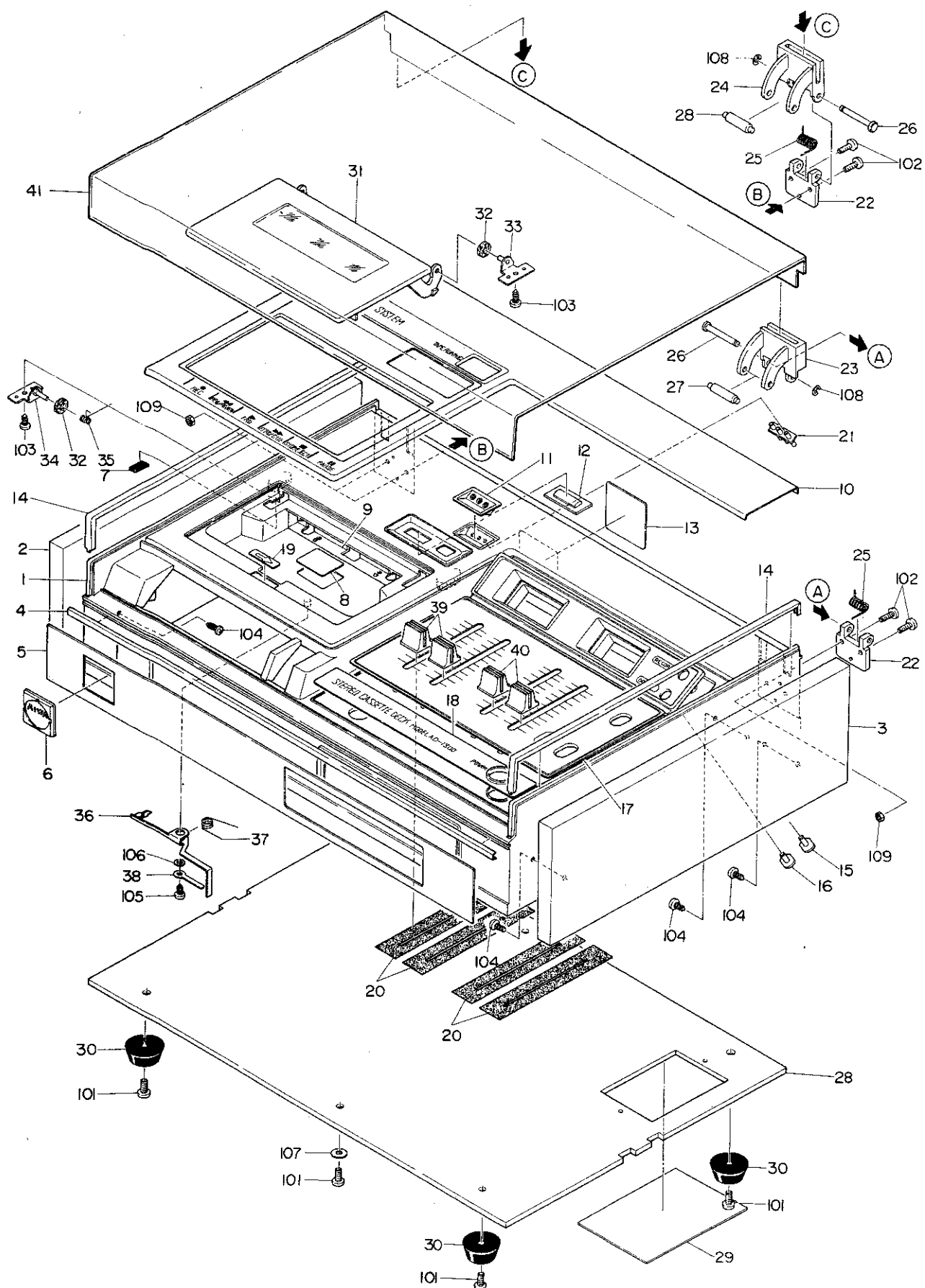
☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆ MEMO ☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆

Lined area for writing the memo.

PRINTED CIRCUIT BOARD



EXPLODED VIEW-1



PARTS LIST

MECHANICAL PARTS

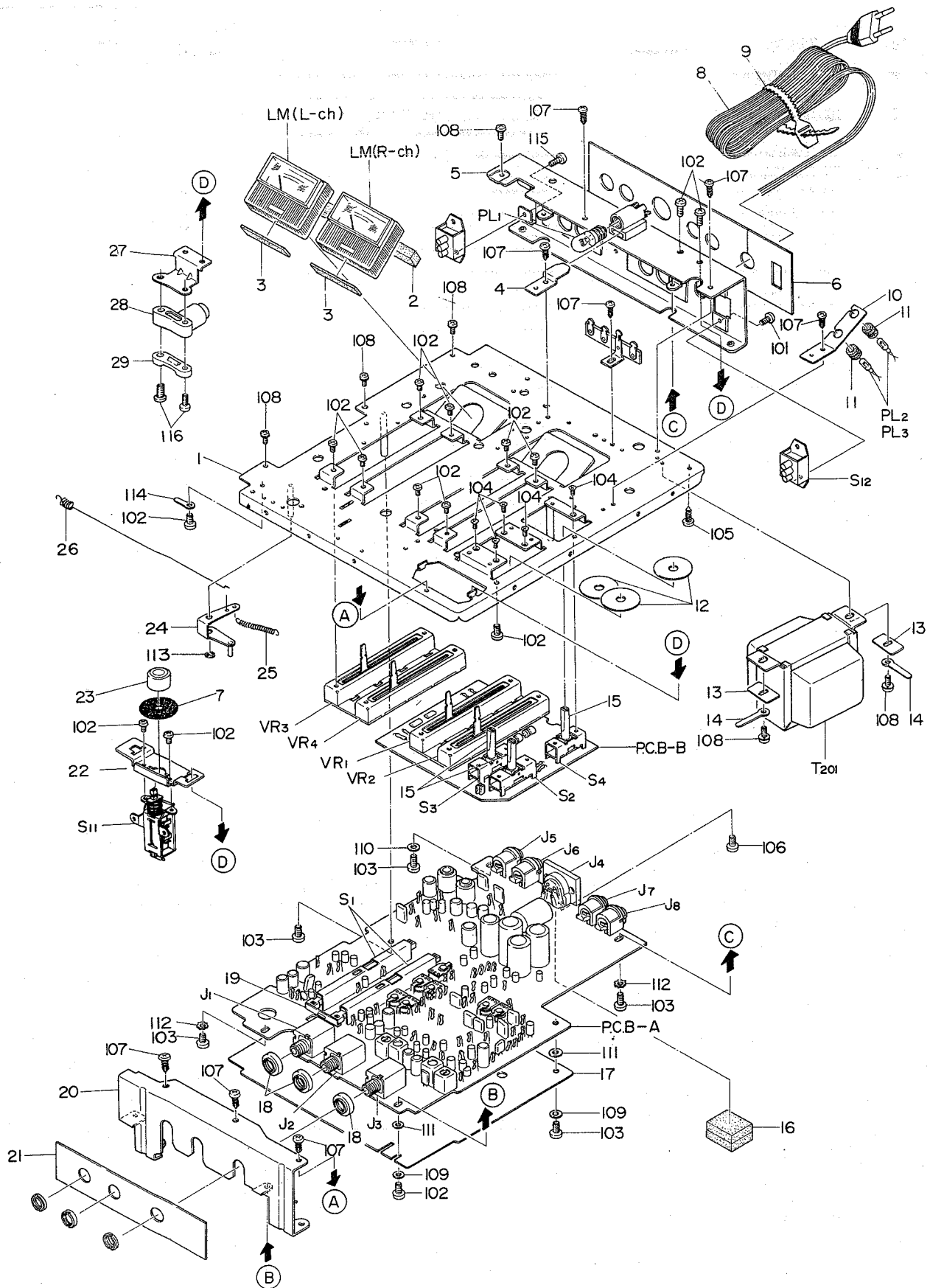
* mark in this part list shows exclusive part
(which is used) for only Model AD-1300.

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1~30	80-003-750-41		Cabinet Assembly (Main case ass'y + Bottom cover ass'y) - EE model		
1~30	80-003-750-01		Cabinet Assembly (Main case ass'y + Bottom cover ass'y) - UK model		
1~28	80-003-751-41		Main case ass'y - EE model		
1~28	80-003-751-01		Main case ass'y - UK model		
1-1	82-374-002-01		Case proper	AD-1200	1
1-2	82-374-040-01		Side board, Left	AD-1200	1
1-3	82-374-038-01		Slide board, Right	AD-1200	1
1-4	82-374-011-01		Decorative plate, Front	AD-1200	1
1-5	82-375-037-01		Name plate E, Front	*	1
1-6	87-054-062-01		Name plate, AIWA badge		1
1-7	82-370-361-01		Cushion, Rubber		1
1-8	82-277-024-01		Label, Tape indicator		1
1-9	82-370-003-01		Cassette bottom plate		1
1-10	82-375-036-01		Top panel	*	1
1-11	82-375-030-01		Name plate, Tape running	*	1
1-12	82-272-008-01		Window, Tape counter		1
1-13	82-375-022-01		Name plate, Spec.	*	1
1-14	82-374-010-01		Decorative plate, Side	AD-1200	2
1-15	82-457-011-01		Lens, Red	TPR-3001	1
1-16	82-457-036-01		Lens, Orange	TPR-3001	1
1-17	82-375-043-01		Name Plate, Volume B	*	1
1-18	82-375-029-01		Top panel D	*	1
1-19	82-374-024-01		Name plate, ⇒	AD-1200	1
1-20	82-374-242-01		Cloth, Volume	AD-1200	4
1-21	82-375-041-01		Tape run window ass'y	*	1
1-22	82-376-013-01		Hinge C		2
1-23	82-376-011-01		Hinge A		1
1-24	82-376-012-01		Hinge B		1
1-25	82-376-203-01		Spring, Hinge		2
1-26	82-376-204-01		Hinge shaft A		2
1-27	82-376-205-01		Hinge shaft B		2
28~29	80-003-752-41		Bottom cover ass'y - EE model		
28~29	80-003-752-01		Bottom cover ass'y - UK model		
1-28	82-374-003-01		Bottom cover	AD-1200	1
1-29	82-375-046-01		Trans cover		1
1-30	87-085-061-01		Rubber leg		4
1-31	82-375-032-01		Cassette lid B	*	1
1-32	82-374-267-01		Felt, Cassette lid	AD-1200	2
1-33	82-374-210-01		Supporting plate right ass'y, Cassette lid	AD-1200	1
1-34	82-374-213-01		Supporting plate left ass'y, Cassette lid	AD-1200	1
1-35	82-374-229-01		Spring, Cassette lid	AD-1200	1
1-36	82-374-265-01		Lock plate B, Cassette lid	AD-1200	1
1-37	82-370-323-01		Lock spring, Cassette lid		1
1-38	82-374-262-01		Lock plate terminal, Cassette lid	AD-1200	1
1-39	82-375-045-11		Volume knob (WHT)	*	2
1-40	82-375-044-11		Volume knob (RED)	*	2
1-41	82-374-046-01		Dust cover	AD-1200	1

Ref. No.	Part No.	Description	Q'ty
1-101	87-263-096-11	V + 3-10	6
1-102	87-259-096-11	U + 3-10	4
1-103	87-351-095-01	VT ₁ + 3-8	2
1-104	87-351-097-01	VT ₂ + 3-12	6
1-105	87-344-072-01	UT ₂ + 2.6-5	1

Ref. No.	Part No.	Description	Q'ty
1-106	82-283-323-01	W 5.2mmφ diam.	1
1-107	87-081-448-01	W 3mmφ diam.	2
1-108	87-441-007-01	STE - 2.5	2
1-109	87-391-018-01	N-3mmφ diam.	4

EXPLODED VIEW-2

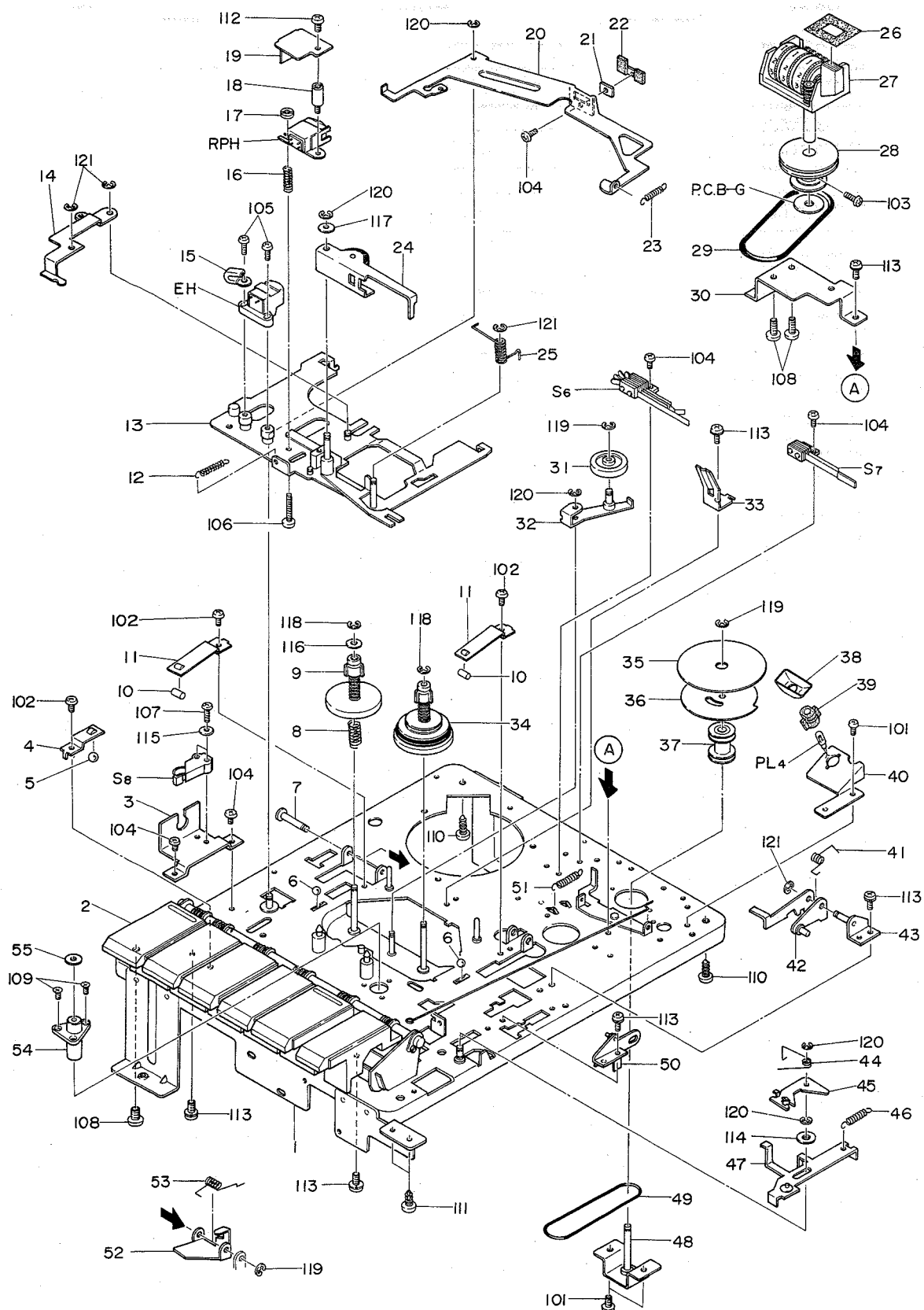


Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
2-1	82-375-201-01		Amp. chassis ass'y	*	1
2-2	82-374-235-01		Cushion B, Meter	AD-1200	2
2-3	82-374-234-01		Cushion A, Meter	AD-1200	2
2-4	82-374-216-01		Lamp holder	AD-1200	1
2-5	82-375-237-01		Jack plate ass'y	*	1
2-6	82-375-021-01		Name plate, Jack	*	1
2-7	82-375-241-01		AC switch holder cover	*	1
2-8	87-034-069-01		AC power cord		1
2-9	87-058-009-01		Free-up belt		1
2-10	82-374-257-01		Lamp holder C	AD-1200	1
2-11	87-087-027-01		Cushion, Rubber		2
2-12	82-374-261-01		Switch cover	AD-1200	3
2-13	82-374-281-01		Washer, Trans.	AD-1200	2
2-14	87-038-007-01		Binder, Lead wire		1
2-15	82-374-050-01		Knob, Selector	*	3
2-16	82-372-412-01		Holder cushion, Circuit board	AD-1500	2
2-17	82-375-605-01		Shield paper		1
2-18	82-374-238-01		Spacer, MIC jack	AD-1200	3
2-19	82-371-474-01		Pressure plate, Record switch		1
2-20	82-374-206-01		Jack plate, Front	AD-1200	1
2-21	82-375-242-01		Jack name plate, Front	*	1
2-22	82-374-232-01		AC switch holder	*	1
2-23	82-374-012-01		Power button ass'y	AD-1200	1
2-24	82-375-207-01		Record relay lever ass'y	*	1
2-25	82-370-319-01		Spring, CrO ₂ selecting lever		1
2-26	82-375-220-01		Spring, Record	*	1
2-27	82-374-232-01		Holder plate	AD-1200	1
2-28	87-085-094-01		AC cord holder A		1
2-29	87-085-095-01		AC cord holder B		1

Ref. No.	Part No.	Description	Q'ty
2-101	87-253-091-11	U + 3-3	2
2-102	87-253-092-11	U + 3-4	14
2-103	87-253-094-11	U + 3-6	6
2-104	87-233-072-01	Q + 2.6-5	5
2-105	87-351-095-01	VT ₁ + 3-8	1
2-106	87-351-094-01	VT ₂ + 3-6	2
2-107	87-344-095-01	UT ₂ + 3-8	8
2-108	87-483-094-01	VS + 3-6	6

Ref. No.	Part No.	Description	Q'ty
2-109	87-410-315-01	W 3mmφ diam.	2
2-110	87-081-015-01	FW 3mmφ diam.	1
2-111	87-081-017-01	FW 3mmφ diam.	2
2-112	87-433-904-01	WIET - 3	2
2-113	87-441-009-01	STE - 3	1
2-114	87-450-414-01	LB - 4mmφ diam.	1
2-115	87-263-072-01	U + 2.6-5	2
2-116	87-263-101-11	V + 3-18	2

EXPLODED VIEW-3

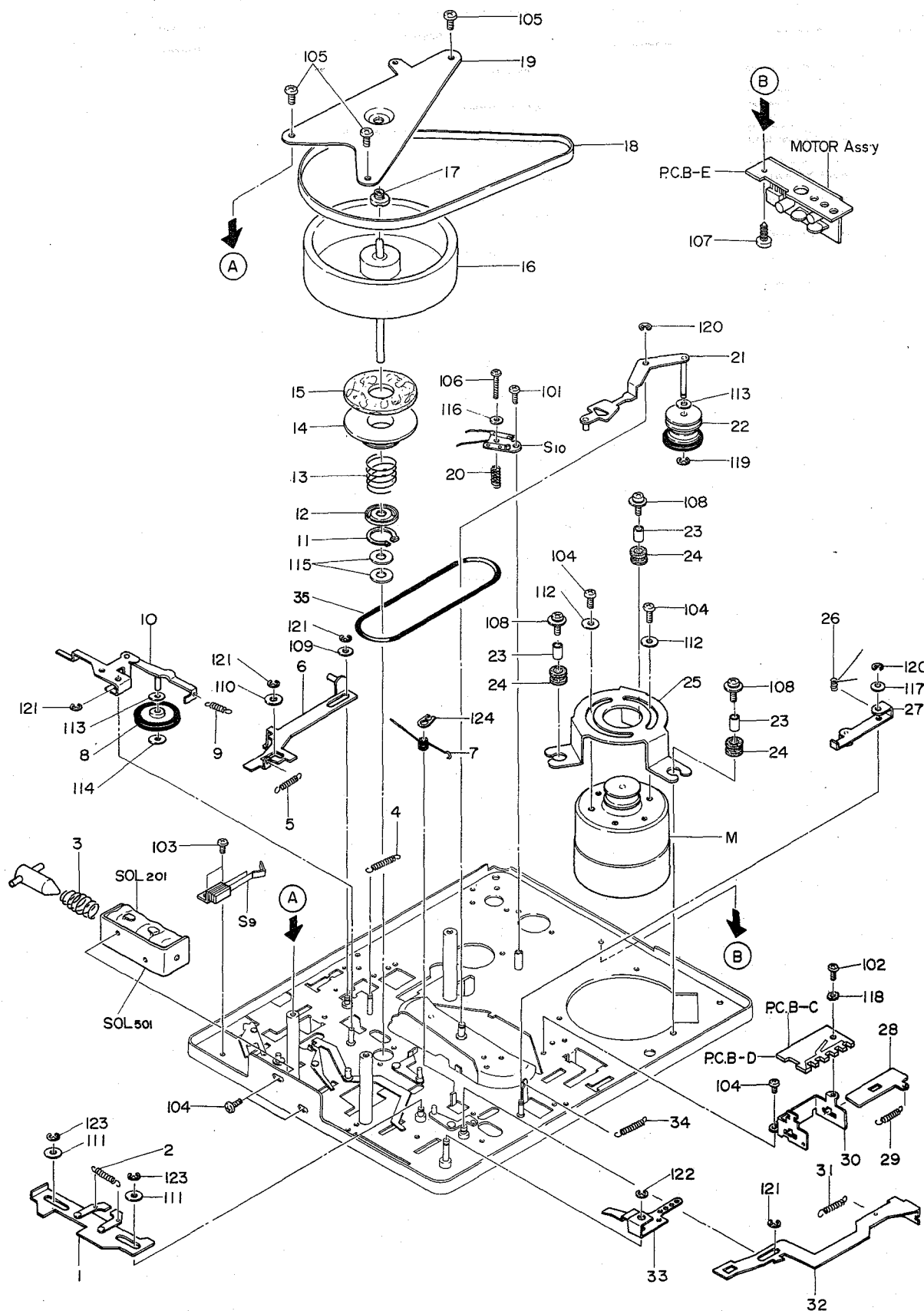


Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
3-1	82-375-219-01		Chassis ass'y	*	1
3-2	82-374-223-01		Push switch ass'y	AD-1200	1
3-3	82-370-336-01		Switch holder		1
3-4	82-371-338-01		Pressure spring, Actuating chassis		1
3-5	82-603-340-01		Steel ball, 2φ		1
3-6	82-215-341-01		Steel ball, 3/32φ		2
3-7	82-370-306-01		Shaft, Interlock lever		1
3-8	82-374-277-01		Spring, Back tension	AD-1200	1
3-9	82-272-255-01		Reel platform B ass'y		1
3-10	82-603-305-01		Roller, 2.5φ		2
3-11	82-272-350-01		Pressure spring, Head base		2
3-12	82-374-241-01		Spring, Actuating lever	AD-1200	1
3-13	82-375-229-01		Actuating chassis S ass'y	*	1
3-14	82-370-351-01		Actuating lever		1
3-15	82-357-487-01		Holder D, Lead wire		1
3-16	82-261-275-01		Spring, Head adjuster		1
3-17	82-250-097-01		Screw, Head adjuster		1
3-18	82-374-272-01		Screw, Head cover	AD-1200	1
3-19	82-374-271-01		Head cover	AD-1200	1
3-20	82-370-376-01		Brake arm		1
3-21	82-272-438-01		Spacer		1
3-22	82-370-408-01		Brake		1
3-23	82-370-419-01		Spring, Brake arm		1
3-24	82-370-333-01		Pinch lever ass'y		1
3-25	82-374-278-01		Spring, Pinch lever	AD-1200	1
3-26	82-375-228-01		Himeron, Tape counter	*	1
3-27	87-040-068-01		Tape counter		1
3-28	82-374-237-01		Pulley, Tape counter	AD-1200	1
3-29	82-370-312-01		Belt, Tape counter		1
3-30	82-374-236-01		Holder, Tape counter	AD-1200	1
3-31	82-274-270-01		FF idler		1
3-32	82-272-291-01		Rewind lever ass'y		1
3-33	82-370-304-01		Pressure spring, Cassette		1
3-34	82-374-255-01		Reel platform C ass'y		1
3-35	82-375-233-01		Shadow plate C	*	1
3-36	82-375-211-01		Shadow plate ass'y	*	1
3-37	82-422-230-01		Relay pulley		1
3-38	82-422-283-01		Reflector mirror		1
3-39	82-375-227-01		Bushing, Tape run	*	1
3-40	82-375-218-01		Shadow table	*	1
3-41	82-370-398-01		Spring, Cassette-up lever		1
3-42	82-370-274-01		Cassette-up lever ass'y		1
3-43	82-370-277-01		Supporting metal ass'y, Cassette-up		1
3-44	82-370-264-01		Spring, Lock plate		1
3-45	82-370-262-01		Lock plate		1/4
3-46	82-370-314-01		Spring, Pause lever		1
3-47	82-370-291-01		Pause lever ass'y		1
3-48	82-375-208-01		Shadow shaft ass'y	*	1
3-49	82-375-213-01		Belt, Shadow	*	1
3-50	82-370-387-01		Cassette-up ass'y		1
3-51	82-370-379-01		Spring, Switch pressure plate		1
3-52	82-371-323-01		Record safety lever		1
3-53	82-371-356-01		Spring, Interlock lever		1
3-54	82-370-253-01		Shaft bearing ass'y		1
3-55	82-283-351-01		Poly-slider washer		1

Ref. No.	Part No.	Description	Q'ty
3-101	87-263-071-01	V + 2.6-4	3
3-102	87-263-070-01	V + 2.6-3	3
3-103	87-263-036-01	V + 2-8	1
3-104	87-253-032-01	U + 2-3	7
3-105	87-253-034-01	U + 2-5	2
3-106	87-253-039-01	U + 2-14	1
3-107	87-253-036-01	U + 2-8	2
3-108	87-253-092-11	U + 3-4	3
3-109	87-233-033-01	Q + 2-4	3
3-110	87-351-095-01	VT ₁ + 3-8	2
3-111	87-344-095-01	UT ₂ + 3-8	2

Ref. No.	Part No.	Description	Q'ty
3-112	87-480-033-01	VS + 2-4	1
3-113	87-483-072-01	VS + 2.6-5	9
3-114	87-410-314-01	W 3mmφ diam.	1
3-115	87-081-030-01	FW 2mmφ diam.	2
3-116	82-215-207-01	TW 1.6mmφ diam.	2
3-117	87-081-036-01	TW 2mmφ diam.	1
3-118	87-082-001-01	STE - 0.95	2
3-119	87-441-003-01	STE - 1.5	3
3-120	87-441-005-01	STE - 2	5
3-121	87-441-006-01	STE - 2.3	4

EXPLODED VIEW-4



Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
4-1	82-370-374-01		Main drive lever ass'y	AD-1200	1
4-2	82-272-326-01		Spring, FR		1
4-3	82-370-417-01		Spring, Plunger		1
4-4	82-370-418-01		Spring C, Return		2
4-5	82-374-273-01		Spring, Stop lever		1
4-6	82-370-288-01		Stop lever ass'y		1
4-7	82-272-327-01		Spring, Shift		1
4-8	82-272-372-01		Play idler ass'y		1
4-9	82-370-383-01		Spring, play idler		1
4-10	82-370-391-01		Idler lever ass'y		1
4-11	87-082-004-01		Shaft for "C" ring		1
4-12	82-272-440-01		Washer, Flywheel		1
4-13	82-370-413-01		Spring, Flywheel		1
4-14	82-272-368-01		Pulley, Flywheel		1
4-15	82-370-422-01		Felt, Flywheel		1
4-16	82-370-250-01		Flywheel ass'y		1
4-17	82-272-335-01		Screw for thrust		1
4-18	82-370-414-01		Belt, Main		1
4-19	82-370-298-01		Bearing plate, Flywheel		1
4-20	82-370-394-01		Spring, G switch		1
4-21	82-272-273-01		FR lever ass'y		1
4-22	82-938-276-01		FR pulley ass'y		1
4-23	82-371-318-01		Motor collar A	*	3
4-24	82-416-299-01		Rubber cushion		3
4-25	82-375-234-01		Holder, Motor	AD-1200	1
4-26	82-370-313-01		Spring, Record lock lever		1
4-27	82-370-347-01		Record lock lever ass'y		1
4-28	82-374-249-01		Auxiliary plate B, Switch		1
4-29	82-374-279-01		Spring D, Return	AD-1200	1
4-30	82-374-248-01		Holder C, Switch	AD-1200	1
4-31	82-272-424-01		Spring, Brake	AD-1200	1
4-32	82-370-352-01		Record lever		1
4-33	82-374-246-01		Relay lever, Record		1
4-34	82-370-418-01		Spring C, Return		2
4-35	82-272-311-01		Belt, FR		1

Ref. No.	Part No.	Description	Q'ty
4-101	87-263-033-01	V + 2-4	1
4-102	87-263-071-01	V + 2.6-4	1
4-103	87-253-032-01	U + 2-3	2
4-104	87-253-070-01	U + 2.6-3	6
4-105	87-253-094-11	U + 3-6	3
4-106	87-253-038-01	U + 2-12	1
4-107	87-483-094-11	VS + 3-6	1
4-108	87-490-096-11	TWS + 3-10	3
4-109	87-410-313-01	W 3mmφ diam.	1
4-110	87-410-315-01	W 3mmφ diam.	1
4-111	87-410-323-01	W 4mmφ diam.	2
4-112	87-410-311-01	W 2.6mmφ diam.	2

Ref. No.	Part No.	Description	Q'ty
4-113	87-081-036-01	TW 2mmφ diam.	2
4-114	87-081-209-01	TW 2mmφ diam.	1
4-115	87-081-319-01	TW 2.3mmφ diam.	4
4-116	87-081-030-01	FW 2mmφ diam.	1
4-117	86-604-019-01	W 2.5mmφ diam.	1
4-118	87-433-903-01	WTIE - 2.6	1
4-119	87-441-003-01	STE - 1.5	1
4-120	87-441-005-01	STE - 2	2
4-121	87-441-006-01	STE - 2.3	4
4-122	87-441-009-01	STE - 3	1
4-123	87-441-010-01	STE - 3.2	2
4-124	87-442-003-01	STP - 3	1

HARDWARE NOMENCLATURE

V: Pan head screw



STE: E ring (washer)



U: Binding head screw



STP: Powerful stop ring



Q: Flat countersunk head screw



W: Washer



VS: Pan head screw with spring washer



TW: Tefron washer

VT₁: Pan head tapping screw

FW: Fibre washer

WTIE: Crown washer



N: Nut



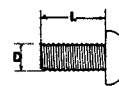
VWS: Pan head screw w/ spring washer and washer



LB: Lug terminal plate

VT₂: Pan head tapping screw

Example:



V + 3 - 6

Length in mm

Diameter in mm

Type of Slot

Type of Head

ACCESSORIES/PACKAGE

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1	87-058-012-01		Head cleaning pole ass'y		1
2	80-291-645-01		Tape cassette, DMC-130A		1
3	80-692-580-01		Connection cord, CW-115		1
4	87-058-009-01		Free-up belt		1
5	82-375-903-01		Instruction booklet	*	1
6	87-057-879-01		Red label (EE model only)		1
7	87-051-084-01		Poly-vinyl sack		1
8	87-051-172-01		Poly-vinyl sack (for case)		1
9	87-051-131-01		Poly-vinyl sack (for AC cord)		1
10	87-051-141-01		Poly-vinyl sack (for dust cover)		1
11	82-375-854-01		Printed indiv. packing	*	1
12	82-376-853-01		Cushion, Printed indiv.		2
13	82-376-854-01		Cushion, Auxiliary (for dust cover)		1
14	82-374-856-01		External carton box	AD-1200	1/3

ELECTRICAL PARTS

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
《MAIN CIRCUIT BOARD SECTION》					
PCB-A	82-375-601-01		Main circuit board	*	1
TR101,102	89-313-444-51		Transistor, 2SC-1344 (D, E)		2
TR103,104,105, 106	89-307-326-01		Transistor, 2SC-732 (BL)		4
TR107,108	89-402-275-01		Transistor, 2SD-227 (V)		2
TR109,110,305, 306,307,308, 313,314	89-308-285-01		Transistor, 2SC-828 (S)		8
TR111,112	87-027-111-01		Transistor, 2SC-828 (A-R)		2
TR201	89-313-833-01		Transistor, 2SC-1383 (R)		1
TR202	89-313-647-01		Transistor, 2SC-1364-7		1
TR203	89-106-844-01		Transistor, 2SA-684 (R)		1
TR204	89-303-730-01		Transistor, 2SC-373		1
TR205	89-305-366-01		Transistor, 2SC-536 (F, G)		1
TR301,302,303, 304,309,310	89-308-284-01		Transistor, 2SC-828 (R)		6
TR311,312	89-106-285-01		Transistor, 2SA-628 (F)		2
FET301,302	82-371-625-01		FET, 2SK-30 (D)		2
D101,102,305, 306,307,308	88-051-060-01		Diode, 1N-60		6
D201~205	87-027-083-01		Diode, 1S-1885		5
D206	82-375-617-01		Zener diode, EQA01-26(R)		1
D208,209,210	87-027-025-01		Diode, 1S-1212		3
D211,301,302, 303,304,309, 310	87-026-066-01		Diode, M-8513 (A-O)		7
D311	82-371-647-01		Zener diode, RD-8.2 (E)		1
T101,102	82-370-610-01		Matching transformer		2
L101,102	82-938-640-01		Coil, 10mH		2
L109,110	82-371-644-01		Coil, 22mH		2
L201	82-371-648-01		Micro inductor, 6.8mH		1
L202	82-375-618-01		OSC coil		1
L301,302	82-372-625-01		Coil, 36mH		2
L303,304	82-371-622-01		Coil, 23mH		2
S1	82-371-620-01		Slide switch (REC/PB)		2
J1,2	87-032-461-01		Mic jack 6.3φ		2
J3	87-032-497-01		Headphone jack		1
J4	87-032-498-01		DIN socket		1
J5,7	87-032-508-01		Pin jack-WHIT (LINE IN-L, LINE OUT-L)		2
J6,8	87-032-509-01		Pin jack-RED (LINE IN-R, LINE-OUT-R)		2
SFR101,102, 103,104, 109,110	87-021-391-01		Semi-fixed resistor, 50kΩ		6
SFR105,106, 107,108	87-021-387-01		Semi-fixed resistor, 10kΩ		4
SFR111,112, 301,302	87-021-385-01		Semi-fixed resistor, 3kΩ		4
SFR113,114	87-021-388-01		Semi-fixed resistor, 100kΩ		2
SFR303,304	87-021-410-01		Semi-fixed resistor, 1kΩ		2
	87-033-092-01		PCB tab A		5
<Resistors>					
R103,104,205	88-181-100-01		10Ω 1/4W ±5% ELR		3
R212,359,360	88-181-330-01		33Ω 1/4W ±5% ELR		3
R355,356	88-181-470-01		47Ω 1/4W ±5% ELR		2
R222	88-181-101-01		100Ω 1/4W ±5% ELR		1
R119,120,127, 128	88-181-151-01		150Ω 1/4W ±5% ELR		4
R202	88-181-391-01		390Ω 1/4W ±5% ELR		1
R149,150,203	88-181-681-01		680Ω 1/4W ±5% ELR		3
R107,108,167, 168,214,215, 361,362	88-181-102-01		1kΩ 1/4W ±5% ELR		8

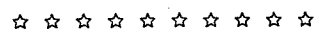
Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
R216,371,373, 374	88-181-122-01		1.2k Ω 1/4W $\pm$ 5% ELR		4
R129,130,183, 184,191,192	88-181-152-01		1.5k Ω 1/4W $\pm$ 5% ELR		6
R177,178,305, 306,335	88-181-182-01		1.8k Ω 1/4W $\pm$ 5% ELR		5
R143,144,220	88-181-222-01		2.2k Ω 1/4W $\pm$ 5% ELR		3
R157,158,325, 326,357,358	88-181-272-01		2.7k Ω 1/4W $\pm$ 5% ELR		6
R185,186,187, 188,204,309, 310	88-181-332-01		3.3k Ω 1/4W $\pm$ 5% ELR		7
R151,152	88-181-392-01		3.9k Ω 1/4W $\pm$ 5% ELR		2
R153,154	88-181-472-01		4.7k Ω 1/4W $\pm$ 5% ELR		2
R101,102,209	88-181-562-01		5.6k Ω 1/4W $\pm$ 5% ELR		3
R301,302,333, 334	88-181-682-01		6.8k Ω 1/4W $\pm$ 5% ELR		4
R341,342,345, 346,349,350	88-181-822-01		8.2k Ω 1/4W $\pm$ 5% ELR		6
R105,106,135, 136,165,166, 217,343 344	88-181-103-01		10k Ω 1/4W $\pm$ 5% ELR		9
R224	88-181-123-01		12k Ω 1/4W $\pm$ 5% ELR		1
R137,138,139, 140,147,148, 363,364	88-181-153-01		15k Ω 1/4W $\pm$ 5% ELR		8
R175,176,221	88-181-183-01		18k Ω 1/4W $\pm$ 5% ELR		3
R125,126,159, 160,321,322	88-181-223-01		22k Ω 1/4W $\pm$ 5% ELR		6
R121,122,131, 132,307,308, 317,318	88-181-273-01		27k Ω 1/4W $\pm$ 5% ELR		8
R311,312,327, 328,347,348	88-181-333-01		33k Ω 1/4W $\pm$ 5% ELR		6
R331,332	88-181-393-01		39k Ω 1/4W $\pm$ 5% ELR		2
R213,351,352	88-181-473-01		47k Ω 1/4W $\pm$ 5% ELR		3
R155,156,163, 164	88-181-563-01		56k Ω 1/4W $\pm$ 5% ELR		4
R315,316	88-181-913-01		91k Ω 1/4W $\pm$ 5% ELR		2
R115,116,218, 303,304,353, 354	88-181-124-01		120k Ω 1/4W $\pm$ 5% ELR		7
R313,314	88-181-154-01		150k Ω 1/4W $\pm$ 5% ELR		2
R179,180	88-181-184-01		180k Ω 1/4W $\pm$ 5% ELR		2
R369,370	88-181-224-01		220k Ω 1/4W $\pm$ 5% ELR		2
R319,320	88-181-234-01		230k Ω 1/4W $\pm$ 5% ELR		2
R365,366,367, 368	88-181-274-01		270k Ω 1/4W $\pm$ 5% ELR		4
R223	88-181-334-01		330k Ω 1/4W $\pm$ 5% ELR		1
R323,324	88-181-474-01		470k Ω 1/4W $\pm$ 5% ELR		2
R161,162	88-181-564-01		560k Ω 1/4W $\pm$ 5% ELR		2
R337,338,123, 124	88-181-684-01		680k Ω 1/4W $\pm$ 5% ELR		4
R181,182	88-181-824-01		820k Ω 1/4W $\pm$ 5% ELR		2
R189,190	88-181-105-01		1M Ω 1/4W $\pm$ 5% ELR		2
R109,110,111, 112,117,118	88-183-224-01		220k Ω 1/4W $\pm$ 10% NL		6
R145,146	88-183-334-01		330k Ω 1/4W $\pm$ 10% NL		2
R201	88-144-220-01		22 Ω 1/2W $\pm$ 10%		1
R329,330	82-371-645-01		3.3k Ω $\pm$ 1%		2
C129,130,131, 132,157,158, 207	88-337-104-01		<Capacitors> 1 μ F 50V Electrolytic		7

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
C205	88-344-224-01		220 μ F 35V Electrolytic		1
C204	88-344-320-01		330 μ F 35V Electrolytic		1
C202	88-344-134-01		1000 μ F 35V Electrolytic		1
C155,156	88-336-304-01		3.3 μ F 25V Electrolytic		2
C105,106	87-015-247-01		10 μ F 25V Electrolytic		2
C137,138	88-336-504-01		4.7 μ F 25V Electrolytic		2
C103,104	88-336-314-01		33 μ F 25V Electrolytic		2
C215	88-336-514-01		47 μ F 25V Electrolytic		1
C127,128,211	88-336-124-01		100 μ F 25V Electrolytic		3
C206	88-336-524-01		470 μ F 25V Electrolytic		1
C121,122,139, 140,151,152, 153,154,218, 307,308,309, 310,311,312, 313,314,321, 322,327,328, 333,334	88-335-114-01		10 μ F 16V Electrolytic		23
C212	88-335-314-01		33 μ F 16V Electrolytic		1
C339	88-335-124-01		100 μ F 16V Electrolytic		1
C203	88-335-134-01		1000 μ F 16V Electrolytic		1
C217,325,326	88-332-514-01		47 μ F 6.3V Electrolytic		3
C115,116	88-332-124-01		100 μ F 6.3V Electrolytic		2
C214	88-332-224-01		220 μ F 6.3V Electrolytic		1
C119,120	87-015-260-01		0.22 μ F 35V Tantalum		2
C337,338	87-015-261-01		0.33 μ F 35V Tantalum		2
C101,102	88-507-450-01		150pF Styrol		2
C133,134	88-507-480-01		220pF Styrol		2
C125,126	88-507-550-01		470pF Styrol		2
C303,304	88-507-690-01		3000pF Styrol		2
C210	88-658-660-01		2200pF Styrol		1
C135,136,323, 324,329,330, 335,336	88-717-910-01		0.1 μ F Mylar		8
C208	88-717-810-01		0.01 μ F Mylar		1
C209	88-717-720-01		0.0047 μ F Mylar		1
C331,332	88-707-910-01		0.1 μ F Mylar		2
C305,306	88-707-660-01		0.0022 μ F Mylar		2
C117,118,301, 302	88-707-710-01		0.0039 μ F Mylar		4
C123,124	88-707-720-01		0.0047 μ F Mylar		2
C109,110	88-212-100-01		10pF Ceramic		2
C113,114	88-212-290-01		47pF Ceramic		2
C111,112,167, 168	88-212-410-01		100pF Ceramic		4
C107,108	88-212-560-01		560pF Ceramic		2
C213	88-214-810-01		0.01 μ F Ceramic		1
C163	88-214-610-01		0.001 μ F Ceramic		1
C161,162	87-968-410-01		100pF Dept mica		2
C159,160	87-968-480-01		220pF Dept mica		2
C319,320	82-375-609-01		0.03 μ F Polypropylene		2
C315,316	82-375-608-01		0.003 μ F Polypropylene		2
C317,318	82-371-643-01		0.0047 μ F Polypropylene		2
«SWITCH CIRCUIT BOARD SECTION»					
PCB-B	82-375-616-01		Switch circuit board		1
L103,104	87-005-093-01		Micro inductor, 4.7mH		2
L105,106	87-005-091-01		Micro inductor, 3.3mH		2
L107,108	87-005-090-01		Micro inductor, 2.7mH		2
S2,3	82-374-612-01		Lever switch (Tape selector)	AD-1200	2
S4	82-374-613-01		Lever switch (Dolby NR)	AD-1200	1
<Resistors>					
R169,170	88-131-470-01		47 Ω 1/4W $\pm$ 5%		2
R211	88-131-121-01		120 Ω 1/4W $\pm$ 5%		1

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
R210	88-131-151-01		150Ω 1/4W ±5%		1
R209	88-131-181-01		180Ω 1/4W ±5%		1
R208	88-131-271-01		270Ω 1/4W ±5%		1
R207	88-131-331-01		330Ω 1/4W ±5%		1
R206	88-131-391-01		390Ω 1/4W ±5%		1
R171,172	88-131-182-01		1.8kΩ 1/4W ±5%		2
R173,174	88-131-392-01		3.9kΩ 1/4W ±5%		2
R141,142	88-131-563-01		56kΩ 1/4W ±5%		2
			<Capacitors>		
C141,142,145, 146	88-707-880-01		0.018μF Mylar		4
C147,148,149, 150	88-707-830-01		0.022μF Mylar		4
C143,144	88-707-860-01		0.068μF Mylar		2
C165,166	88-707-720-01		0.0047μF Mylar		2
«STOP MUTING CIRCUIT BOARD SECTION»					
PCB-C	82-375-601-01		Stop muting circuit board		1
S5	87-031-239-01		Slide switch (Stop muting)		1
«MISCELLANEOUS»					
D207	87-027-083-01		Diode, 1S-1885		1
T201	82-375-614-01		Power transformer	*	1
SOL201	82-370-616-01		Solenoid		1
VR1,2	82-375-603-01		Slide volume, 100kΩ(A) x 2 (RECORD)	*	1
VR3,4	82-375-602-01		Slide volume, 10kΩ(A) x 2 (OUT PUT)	*	1
PL1	87-035-201-01		Pilot lamp		1
PL2,3,4	82-371-636-01		Pilot lamp		3
	87-032-503-01		Pilot lamp socket		1
RPH	82-372-676-01		REC/PB head	AD-1200	1
EH	87-046-088-01		Erase head		1
LM	82-375-610-01		Level meter		2
M-PCB-E	82-374-630-01		Motor ass'y	AD-1200	1
S6	82-370-604-01		Leaf switch (QUE/REV muting)		1
S7	82-370-630-01		Leaf switch (Motor)		1
S8	87-031-261-01		Micro switch (Auto stop)		1
S9	82-370-607-01		Leaf switch (Pause)		1
S10	82-358-603-01		G switch ass'y		1
PCB-D	82-374-620-01		Rotary circuit board	AD-1200	1
S11	87-031-303-01		Push switch (Power)		1
S12	87-031-279-01		Slide switch (Voltage selector)		1
S13	82-375-623-01		Slide switch (DIN)		1
F1,2	87-035-080-01		Fuse, 160mA "T"		2
	87-057-800-01		Fuse label, 160mA "T"		2
	87-032-323-01		Fuse clamp		8
F3	87-035-073-01		Fuse, 630mA		1
	87-057-797-01		Fuse label, 630mA		1
F4	87-035-073-01		Fuse 1A		1
	87-057-762-01		Fuse label 1A		1
	87-034-069-01		AC cord		1
	87-033-026-01		Lug plate (1L 3P)	*	1
	82-375-605-01		Shield paper		1
			<Resistor>		
R139,140	88-181-680-01		68Ω 1/4W ±5%		2
			<Capacitor>		
C216	88-212-510-01		300pF Ceramic		1
C219	88-214-810-01		0.01μF Ceramic		1
C220,221	88-457-701-01		0.01μF PME		2

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SERVICE INFORMATION

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.