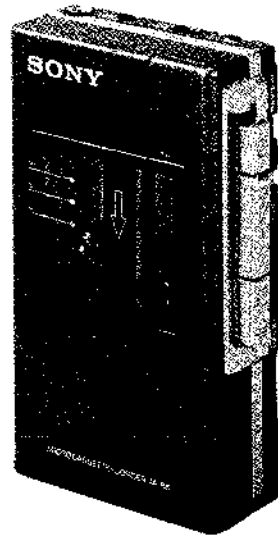


M-88V

SERVICE MANUAL



*US Model
Canadian Model
AEP Model
UK Model
E Model*

Model Name Using Similar Mechanism	M-750V
Tape Transport Mechanism Type	MZ-88-14

SPECIFICATIONS

Tape	MICROCASSETTE™ (normal position type)
Recording system	2-track 1-channel monaural
Speaker	Approx. 2.3 cm (29/32 inches) dia.
Tape speed	2.4cm/s (15/16 ips), 1.2cm/s (15/32 ips)
Frequency response	250-4,000 Hz (at 2.4 cm position)
Input/output	Earphone/microphone jack (minijack) Input: sensitivity 0.3mV for 3 kilohm or lower impedance microphone (PLUG IN POWER) Output: for 8-300 ohm earphone
Power output	180mW (at 10% harmonic distortion)
Battery life (recording)	Sony UM-4 (NU): Approx. 2.5 hours Sony AM4 (N): Approx. 7 hours
Power requirement	3V DC, two R03 (size AAA) batteries
Dimensions	Approx. 63 × 92.9 × 26.7 mm (w/h/d) (2½ × 3¾ × 1⅛ inches) incl. projecting parts and controls
Weight	Approx. 160g (5.7 oz) incl. batteries
Accessories supplied	Remote control microphone (1), Earphone microphone (1), Carrying case (1), Handstrap (1)

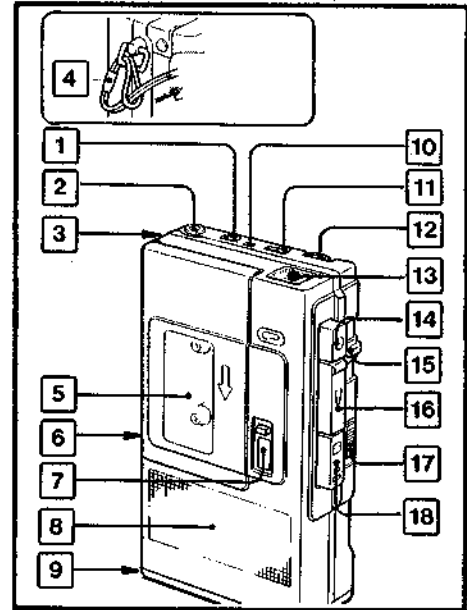
Design and specifications subject to change without notice.

Microcassette™ -Corder
SONY®



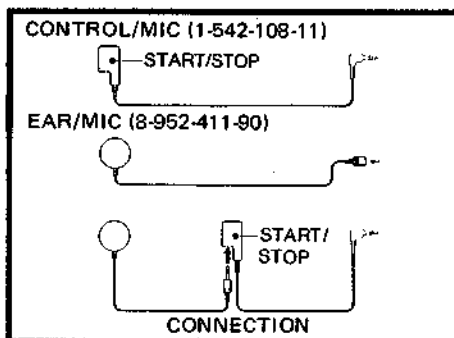
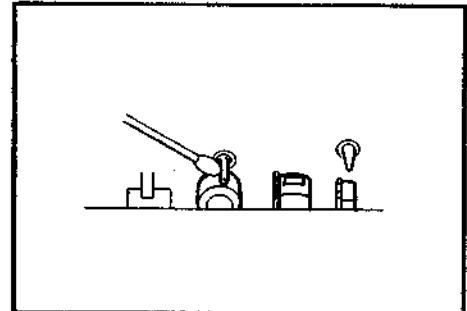
SECTION 1 GENERAL

- 1 VOR (voice operated recording) switch
- 2 EAR/MIC (earphone/microphone) jack
- 3 Handstrap catch
- 4 Handstrap (supplied)
- 5 Cassette holder
- 6 TAPE SPEED selector (left side)
- 7 Tape counter
- 8 Speaker
- 9 Battery compartment (bottom)
- 10 REC/BATT (record/battery) indicator
- 11 MIC SENS (microphone sensitivity) switch
- 12 VOL (volume) control
- 13 MIC (built-in microphone)
- 14 ● (record) button
- 15 ◀▶ (cue) switch
- 16 ▼ (playback) button
- 17 PAUSE switch
- 18 ■/▲ (stop/eject) button



Cleaning the head

Prolonged use may contaminate the tape head. To enjoy optimum sound, wipe the parts shown with a cotton swab moistened with alcohol after every 10 hours of use.



SERVICING NOTES

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SECTION 2 ADJUSTMENTS

2-1. MECHANICAL ADJUSTMENT AND MEASUREMENT

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Power supply voltage: 3 V dc
TAPE SPEED switch: 2.4 cm

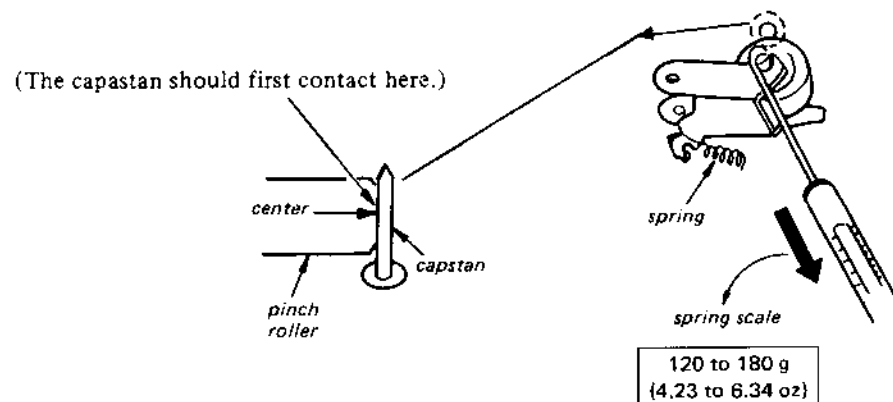
Torque Measurement

Mode	Meter Reading	Torque Meter
Forward	5 to 13 g-cm (0.07 to 0.18 oz-inch)	CQ-103M
Fast Forward	5 to 13 g-cm (0.07 to 0.18 oz-inch)	CQ-201M
Rewind	more than 15 g-cm (more than 0.21 oz-inch)	

Pinch Roller Pressure Adjustment

— Playback Mode —

Slowly return the pinch roller and read the spring scale just when the pinch roller starts rotating.



2-2. ELECTRICAL ADJUSTMENTS

Standard Input Level

	MIC
source impedance	600 Ω
input level	0.77 mV (-60 dB)
input frequency	1 kHz

Standard Output Level

	EARPHONE
load impedance	10 kΩ
output level	0.24 mV (-10 dB)

Record/playback Head Azimuth Adjustment

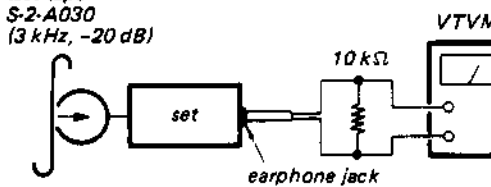
Setting:

VOLUME control: mechanical mid
TAPE SPEED switch: 2.4 cm/s
VOR switch: OFF

Procedure:

1. Mode: playback

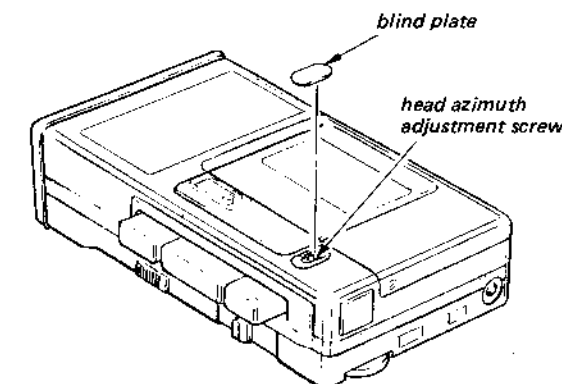
test tape
S-2-A030
(3 kHz, -20 dB)



2. Turn the adjustment screw to obtain the maximum reading on VTVM.

Note: Several peaks may appear, but take the maximum.

Adjustment Location:



Tape Speed Adjustment

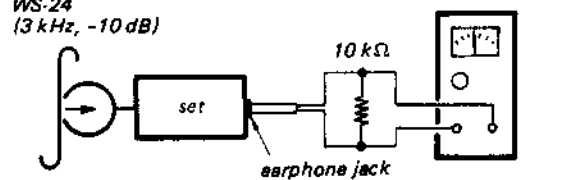
Setting:

VOLUME control: mechanical mid
VOR switch: OFF

Procedure:

Mode: playback

test tape
WS-24
(3 kHz, -10 dB)



Specification:

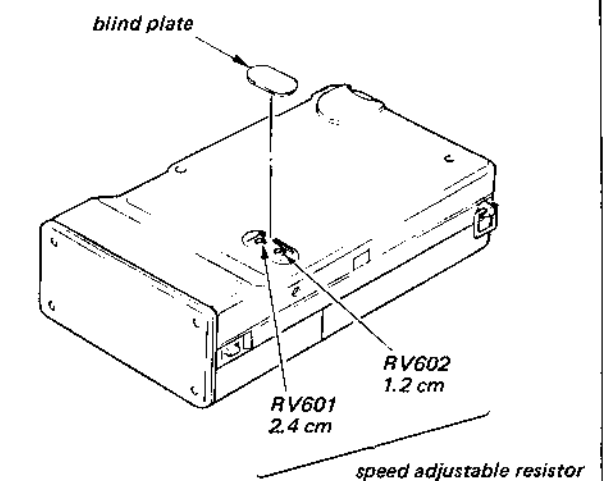
Tape speed	Speed checker	Digital frequency counter
2.4 cm/s	±0.5%	2,985 to 3,015 Hz
1.2 cm/s	±0.5%	1,492 to 1,508 Hz

Frequency difference between the beginning and the end of the tape should be within 2%.

2.4 cm/s (60 Hz)

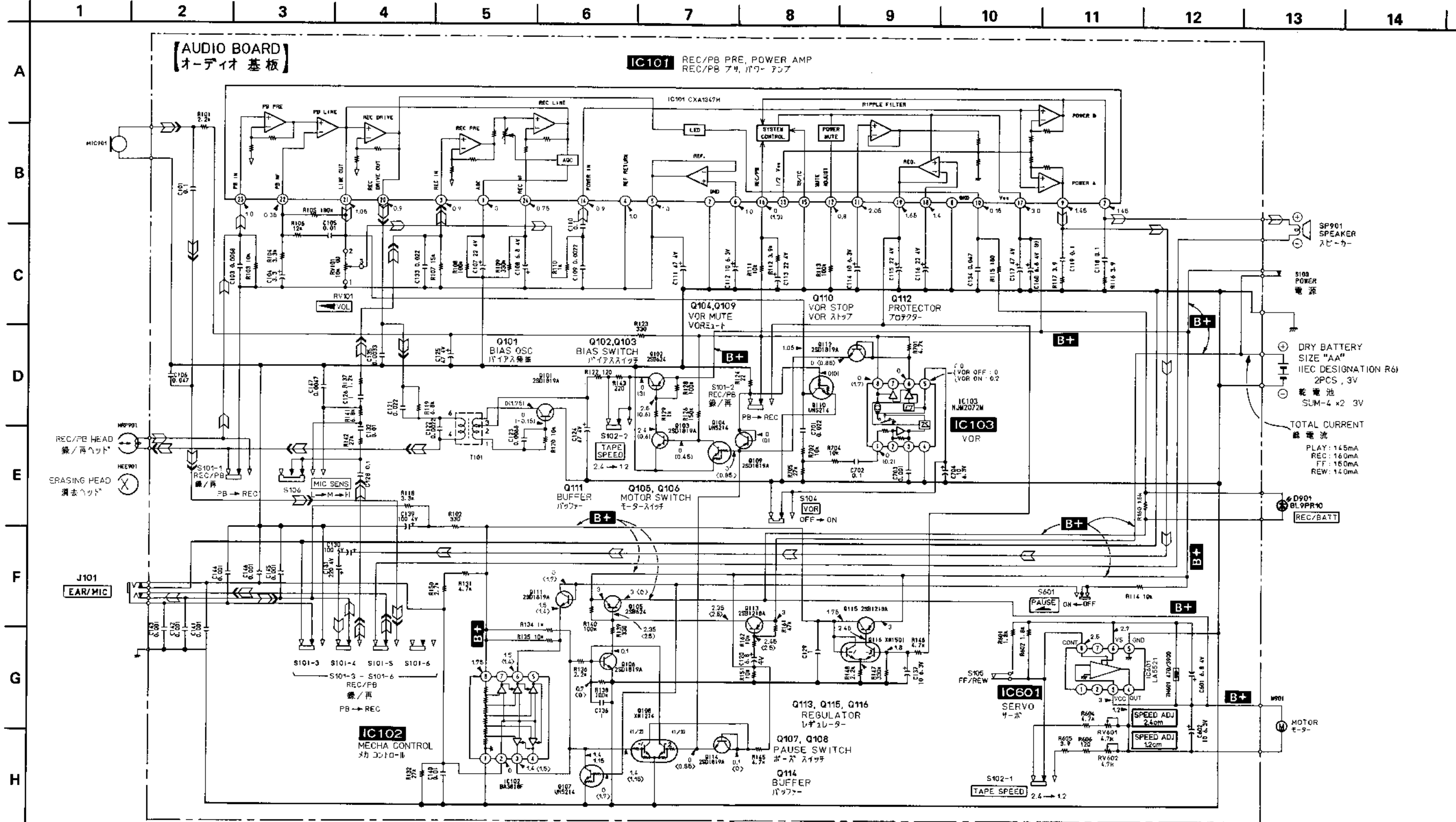
1.2 cm/s (30 Hz)

Adjustment Location:



SECTION 3 DIAGRAMS

3-1. SCHEMATIC DIAGRAM



DRY BATTERY
SIZE "AA"
IEC DESIGNATION R6
乾電池
SUM-4 x2 3V

TOTAL CURRENT
総電流
PLAY: 14.5mA
REC: 16.0mA
FF: 16.0mA
REW: 14.0mA

Note:

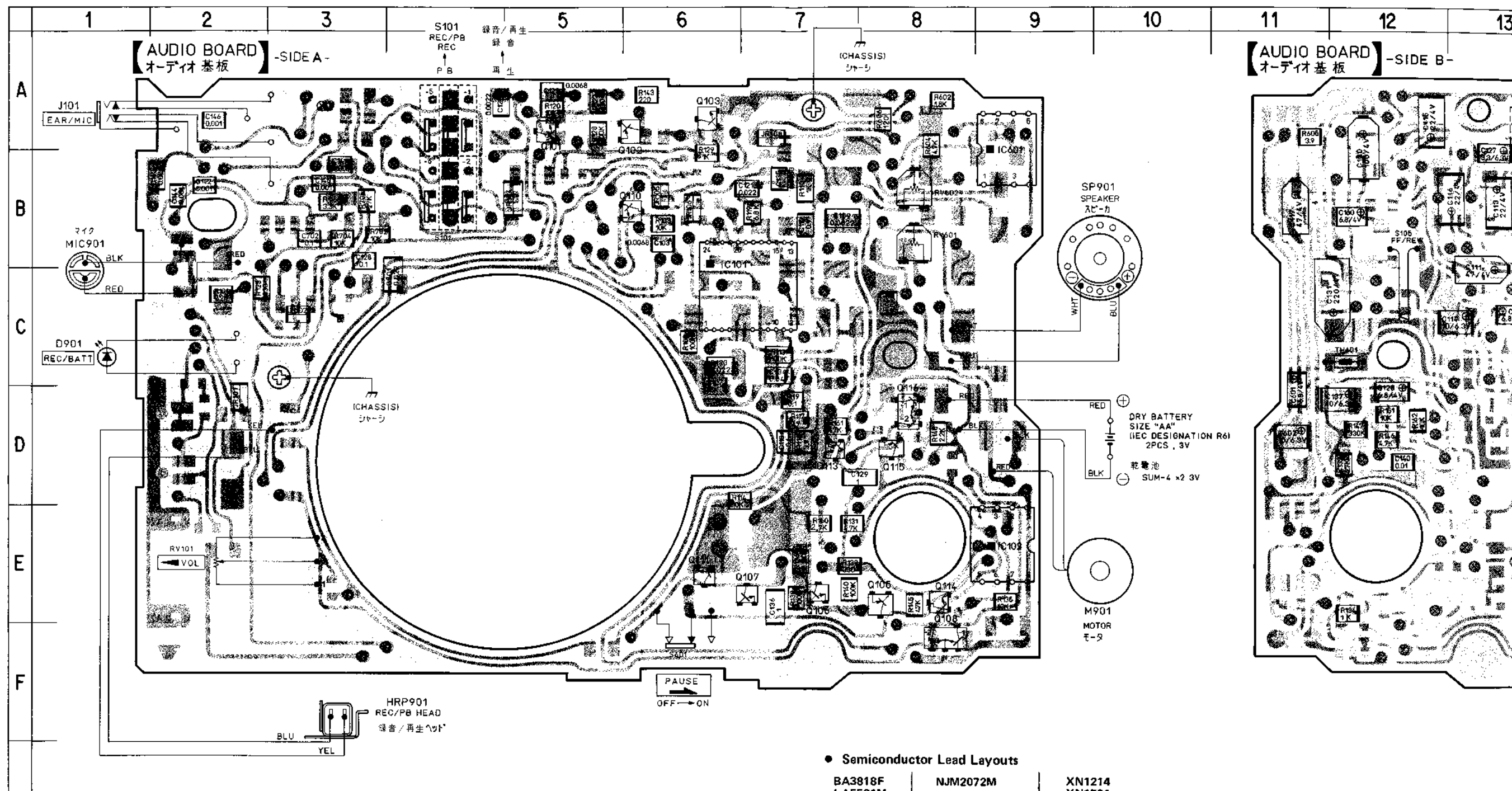
- All capacitors are in μF unless otherwise noted. pF : μpF
50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- Power voltage is dc 3 V and fed with regulated dc power supply from external power voltage jack.

- Voltage and waveforms are dc with respect to ground in playback mode.
no mark: PLAY
(): REC
< >: PAUSE
- Voltages are taken with a VOM (50 k Ω /V).
Voltage variations may be noted due to normal production tolerances.
- Signal path.
◁ : FM ▷ : PB (DECK A)
◁ ▷ : REC (DECK A)

• Switch

Ref. No.	Switch	Position
S101	REC/PB	PB
S102	TAPE SPEED	2.4 cm
S103	POWER	ON
S104	VOR	OFF
S105	FF/REW	OFF
S106	MIC SENS	L
S601	PAUSE	OFF

3-2. PRINTED WIRING BOARDS

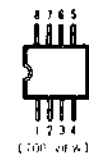


● Semiconductor Location

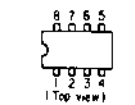
Ref. No.	Location	Ref. No.	Location
D901	C-1	Q106	E-7
IC101	C-7	Q107	E-7
IC102	E-9	Q108	F-8
IC103	C-17	Q109	B-14
IC601	B-9	Q110	B-6
Q101	B-5	Q111	E-6
Q102	B-6	Q112	C-17
Q103	A-6	Q113	D-8
Q104	B-14	Q114	F-8
Q105	F-8	Q115	D-8
		Q116	D-8

● Semiconductor Lead Layouts

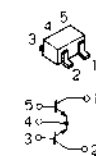
BA3818F
LA5521M



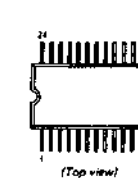
NJM2072M



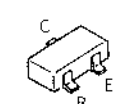
XN1214
XN1501



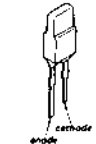
CXA1347N



UN5214
2SB624
2SB1218A-R
2SD1819AQ



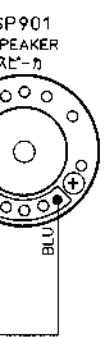
GL-9PR10



10 11 12 13 14 15 16 17 18 19

AUDIO BOARD
オーディオ基板 -SIDE B-

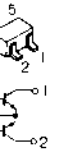
S102
TAPE SPEED
1.2 ← 2.4



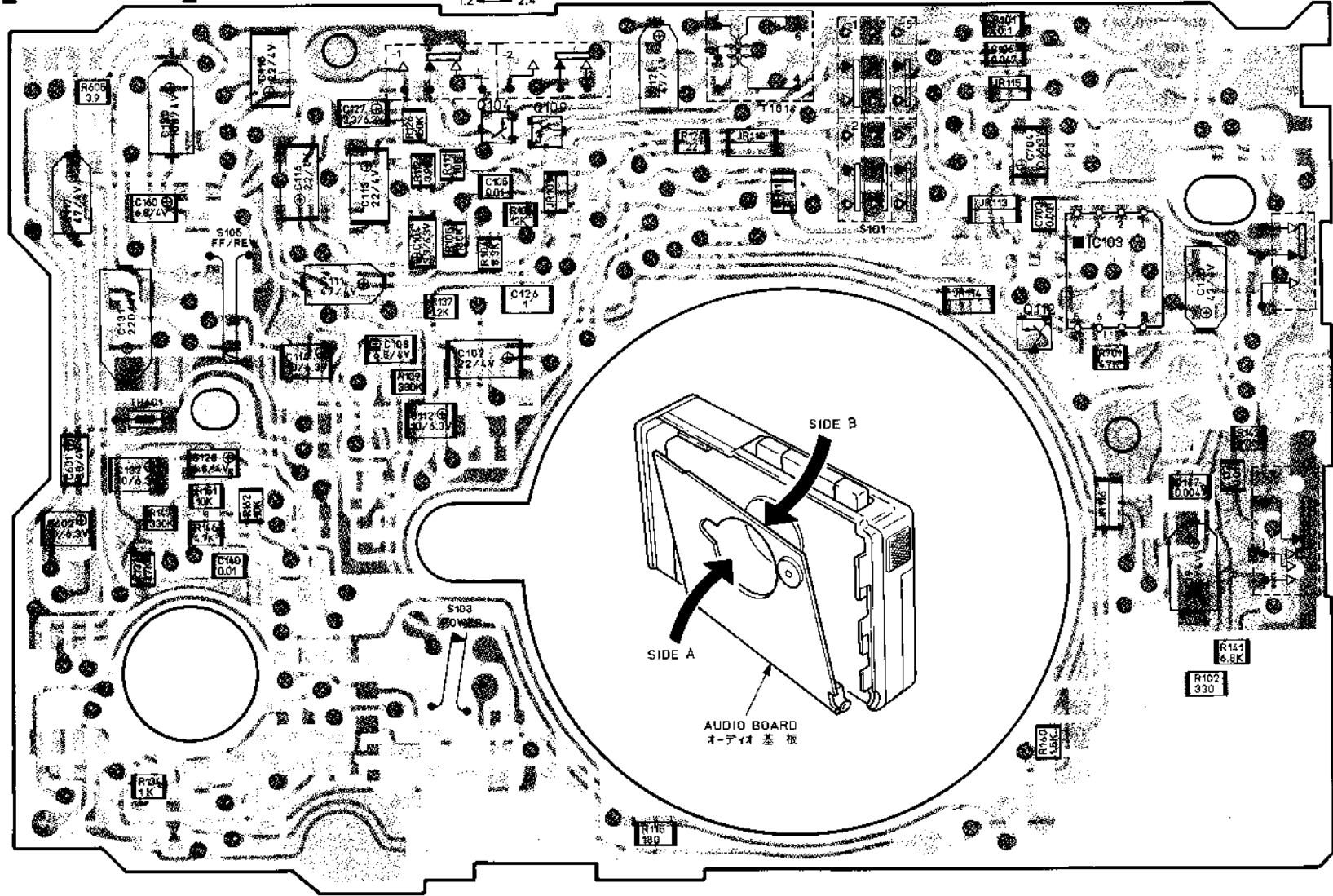
RED ⊕
BLK ⊖
DRY BATTERY
SIZE "AA"
IEC DESIGNATION R6
2PCS, 3V
乾電池
SUM-4 x2 3V



1214
1501



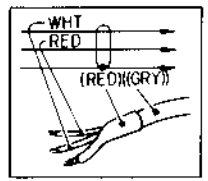
PR10



S104
V O R
OFF
ON

S106
MIC SENS
L
M
H

Note:
• Color code or sleeving over the end of the jacket.



- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : parts mounted on the conductor side.
- ⊗ : Through hole.

- ▨ : Pattern on the side which is seen.
- ▩ : Pattern of the rear side.

SECTION 4 EXPLODED VIEWS

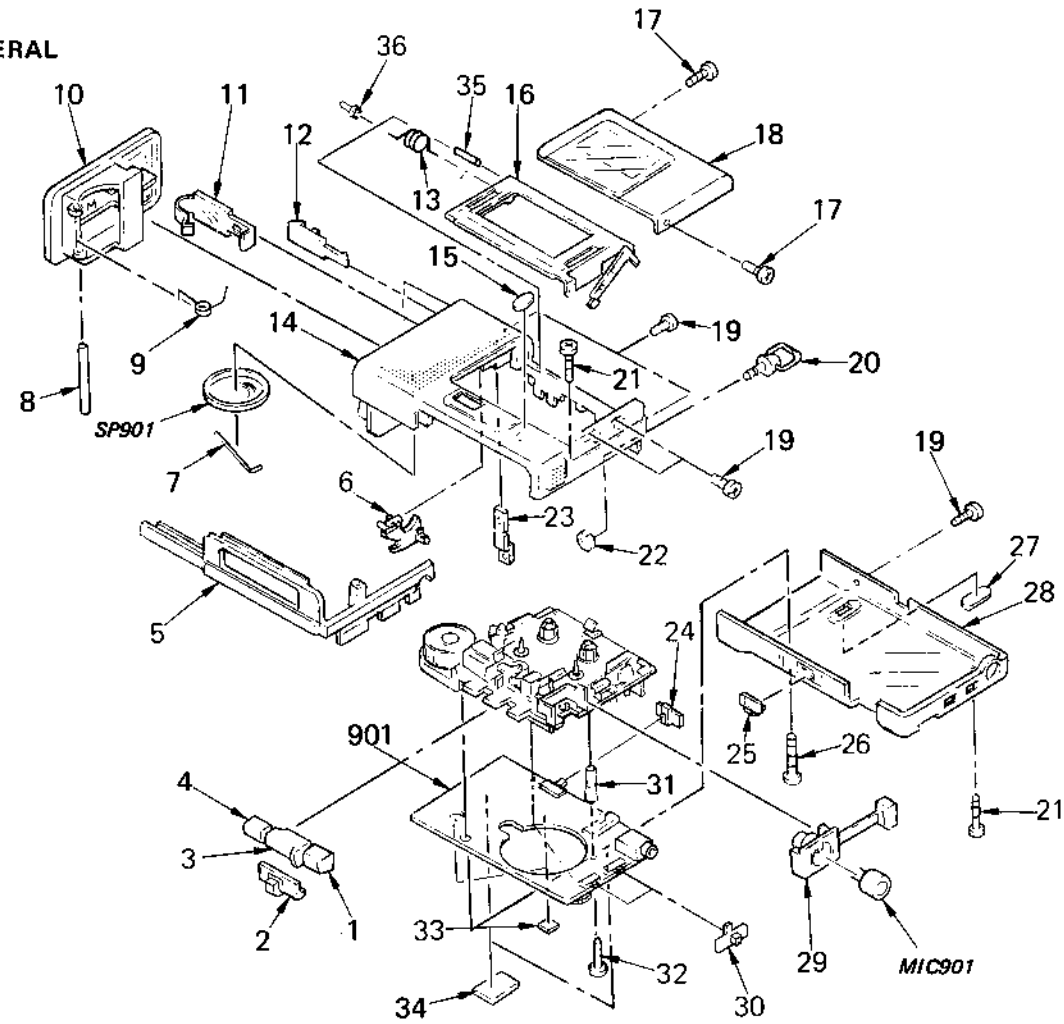
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts

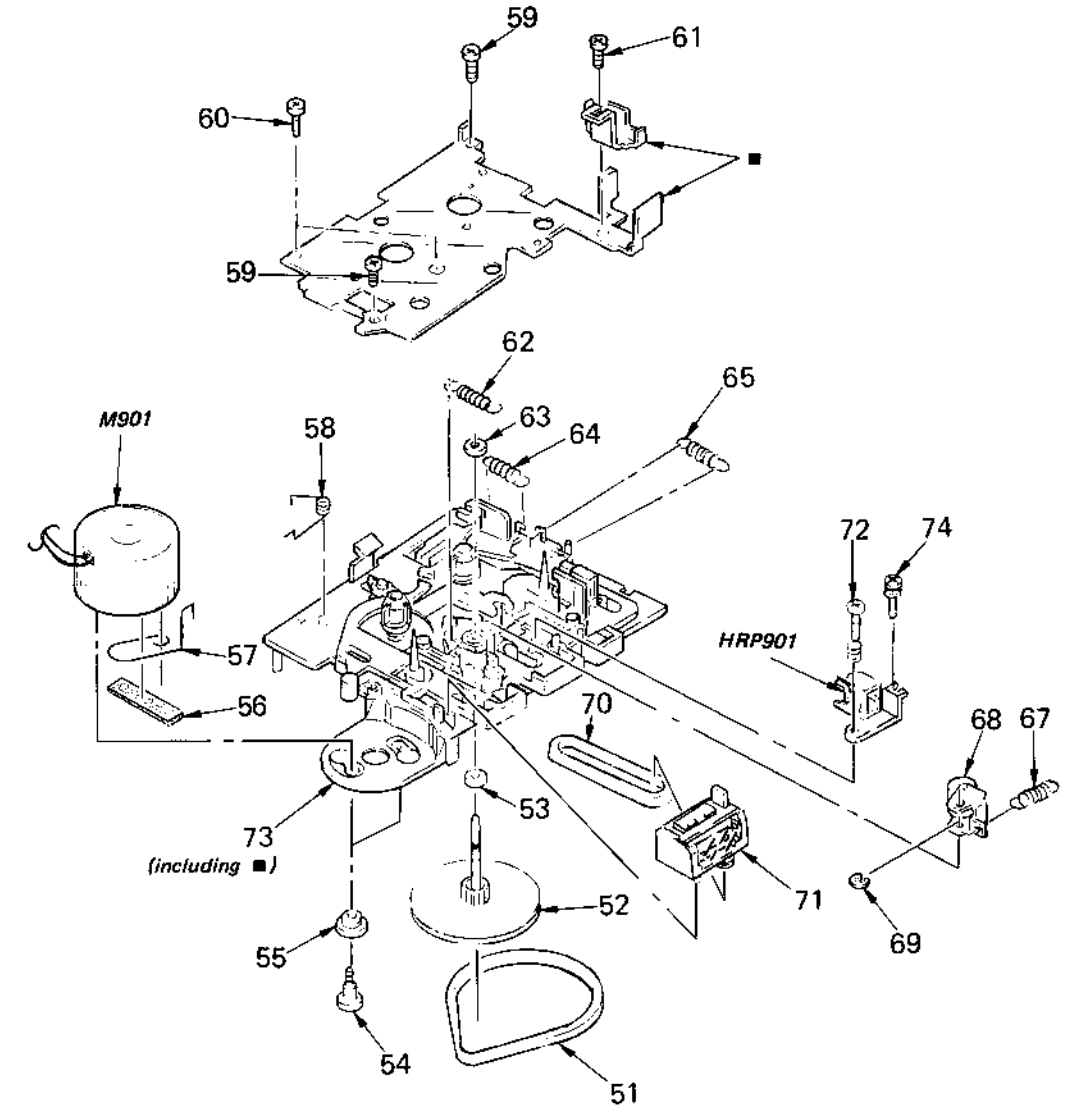
Example:
(RED) ... KNOB, BALANCE (WHITE)
↑ Cabinet's Color ↑ Parts Color

(1) GENERAL



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	3-349-209-01	BUTTON (REC)		20	X-3349-206-1	STRAP (SHAFT) ASSY, HAND	
2	3-349-247-01	KNOB (FR)		21	3-349-223-01	SCREW (M1.4X2), SPECIAL HEAD	
3	3-349-210-01	BUTTON (PLAY)		22	7-624-102-04	STOP RING 1.5, TYPE -E	
4	3-349-211-01	BUTTON (STOP)		23	3-349-240-01	BRACKET (PANEL)	
5	3-349-243-01	FRAME, ORNAMENTAL		24	3-349-250-01	KNOB (SPEED)	
6	3-349-252-01	LEVER (EJECT)		25	3-349-249-01	KNOB (PAUSE)	
7	3-349-225-01	SHAFT (SP)		26	3-349-224-01	SCREW (Ø1.7) (G), TAPPING	
8	3-349-239-01	SHAFT (BATTERY CASE LID)		27	3-342-155-21	PLATE, BLIND	
9	3-349-241-01	SPRING, TORSION		28	X-3349-210-1	PANEL (REAR) ASSY	
10	X-3349-205-1	PANEL (BATTERY CASE LID) ASSY		29	3-349-251-01	HOLDER, MICROPHONE	
11	3-349-238-01	TERMINAL BOARD		30	3-349-248-01	KNOB (VOR)	
12	3-349-244-01	LEVER (BATTERY CASE LID LOCK)		31	3-349-220-01	SPACER (PC BOARD)	
13	3-349-242-01	SPRING (H), TORSION		32	3-342-156-21	SCREW (+PW 1.4X9)	
14	X-3349-209-1	CABINET ASSY		33	3-303-999-01	SPACER, RUBBER	
15	3-349-258-01	PLATE, BLIND		34	3-831-441-XX	SPACER, KNOB	
16	X-3349-207-1	HOLDER ASSY, CASSETTE		35	3-349-234-01	SHAFT (DIA.1)	
17	3-704-197-02	SCREW (M1.4X1.6), NYLON		36	3-349-276-01	EYELET (DIA. 0.95X2.6)	
18	X-3349-204-1	PANEL (CASSETTE) ASSY		901	A-3015-678-A	PC BOARD ASSY, AUDIO	
19	3-704-197-52	SCREW (M1.4X3.5), NYLON		SP901	1-544-033-11	SPEAKER	

**(2) MECHANISM
(MZ-88-14)**



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	3-349-202-01	BELT		64	3-342-186-01	SPRING, TENSION	
52	X-3349-201-1	FLYWHEEL ASSY		65	3-342-102-01	SPRING, TENSION	
53	3-547-734-00	WASHER		67	3-342-173-01	SPRING, TENSION	
54	3-303-809-00	SCREW (M1.7X2.0), SPECIAL HEAD		68	X-3342-102-1	PINCH LEVER ASSY	
55	3-349-205-01	CUSHION (MOTOR)		69	3-590-768-00	RING (A), E	
56	*3-349-274-01	CUSHION		70	3-561-645-00	BELT, C	
57	3-349-212-01	SPRING (M GROUND)		71	1-548-607-11	COUNTER, TAPE (ULTRA SMALL)	
58	3-342-187-01	SPRING		72	3-318-203-31	SCREW (Ø1.7X8), TAPPING	
59	7-627-850-67	SCREW, PRECISION +P 1.4X4		73	*A-3013-356-A	MECHANISM	
60	7-627-551-67	SCREW, PRECISION +P 1.4X3.5		74	3-342-181-11	SCREW, AZ	
61	7-627-551-77	SCREW, PRECISION +P 1.4X4 TYPE1		HRP901	1-543-432-11	HEAD, MAGNETIC (REC/PB)	
62	3-342-101-01	SPRING, TENSION		M901	1-541-597-11	MOTOR, DC	
63	3-315-384-41	WASHER, STOPPER					

SECTION 5 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF: μ F, PF: μ F.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:

UA...: μ A..., UPA...: μ PA...,
UPC...: μ PC, UPD...: μ PD...

Ref.No.	Part No.	Description						
907	A-3075-678-A	PC BOARD ASSY, AUDIO						
C101	1-163-038-00	CERAMIC CHIP 0.1MF		25V				
C103	1-162-969-11	CERAMIC CHIP 0.0068MF	10%	25V				
C104	1-135-150-21	TANTAL. CHIP 3.3MF	20%	6.3V				
C105	1-162-970-11	CERAMIC CHIP 0.07MF	10%	25V				
C106	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V				
C107	1-135-131-11	TANTAL. CHIP 22MF	20%	4V				
C108	1-135-170-21	TANTAL. CHIP 6.8MF	20%	4V				
C109	1-163-213-00	CERAMIC CHIP 0.0022MF	10%	50V				
C110	1-164-156-11	CERAMIC CHIP 0.1MF		25V				
C111	1-126-208-11	ELECT CHIP 47MF	20%	4V				
C112	1-135-157-21	TANTAL. CHIP 10MF	20%	4V				
C113	1-135-131-11	TANTAL. CHIP 22MF	20%	4V				
C114	1-135-157-21	TANTAL. CHIP 10MF	20%	4V				
C115	1-135-131-11	TANTAL. CHIP 22MF	20%	4V				
C116	1-135-131-11	TANTAL. CHIP 22MF	20%	4V				
C117	1-126-208-11	ELECT CHIP 47MF	20%	4V				
C118	1-164-156-11	CERAMIC CHIP 0.1MF		25V				
C119	1-164-156-11	CERAMIC CHIP 0.1MF		25V				
C120	1-135-170-21	TANTAL. CHIP 6.8MF	20%	4V				
C121	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V				
C122	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	50V				
C123	1-162-969-11	CERAMIC CHIP 0.0068MF	10%	25V				
C124	1-126-208-11	ELECT CHIP 47MF	20%	4V				
C125	1-126-208-11	ELECT CHIP 47MF	20%	4V				
C126	1-162-638-11	CERAMIC CHIP 1MF		16V				
C128	1-164-156-11	CERAMIC CHIP 0.1MF		25V				
C129	1-162-638-11	CERAMIC CHIP 1MF		16V				
C130	1-126-209-11	ELECT CHIP 100MF	20%	4V				
C131	1-126-246-11	ELECT CHIP 220MF	20%	4V				
C132	1-162-970-11	CERAMIC CHIP 0.01MF	10%	25V				
C133	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V				
C134	1-163-035-00	CERAMIC CHIP 0.047MF		50V				
C135	1-162-967-11	CERAMIC CHIP 0.0033MF	10%	50V				
C136	1-162-638-11	CERAMIC CHIP 1MF		16V				
C137	1-135-157-21	TANTAL. CHIP 10MF	20%	4V				
C139	1-126-209-11	ELECT CHIP 100MF	20%	4V				
C140	1-162-970-11	CERAMIC CHIP 0.01MF	10%	25V				
C141	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V				
C142	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V				
C143	1-163-141-00	CERAMIC CHIP 0.001MF	10%	50V				
C144	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V				
C145	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V				
C146	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V				
C147	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V				
C160	1-135-170-21	TANTAL. CHIP 6.8MF	20%	4V				
C601	1-135-170-21	TANTAL. CHIP 6.8MF	20%	4V				
C602	1-135-157-21	TANTAL. CHIP 10MF	20%	4V				
C701	1-163-063-00	CERAMIC CHIP 0.022MF	10%	50V				
C702	1-164-156-11	CERAMIC CHIP 0.1MF		25V				
C703	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V				
C704	1-135-157-21	TANTAL. CHIP 10MF	20%	4V				
D901	8-719-915-54	DIODE GL-9PR10 (REC/BATT)						
HRP901	1-543-432-11	HEAD, MAGNETIC (REC/PB)						
IC101	8-752-034-90	IC CXA1347N						
IC102	8-759-977-64	IC BA3818F						
IC103	8-759-701-51	IC NJM2072M						
IC601	8-759-804-43	IC LA5521M						
J101	1-507-999-21	JACK (EAR/MIC)						
JR101	1-216-295-00	METAL GLAZE 0	5%	1/10W				
JR102	1-216-295-00	METAL GLAZE 0	5%	1/10W				
JR104	1-216-296-00	METAL GLAZE 0	5%	1/8W				
JR105	1-216-295-00	METAL GLAZE 0	5%	1/10W				
JR106	1-216-295-00	METAL GLAZE 0	5%	1/10W				
JR108	1-216-295-00	METAL GLAZE 0	5%	1/10W				
JR109	1-216-295-00	METAL GLAZE 0	5%	1/10W				
JR110	1-216-296-00	METAL GLAZE 0	5%	1/8W				
JR112	1-216-295-00	METAL GLAZE 0	5%	1/10W				
JR113	1-216-296-00	METAL GLAZE 0	5%	1/8W				
JR114	1-216-296-00	METAL GLAZE 0	5%	1/8W				
JR115	1-216-295-00	METAL GLAZE 0	5%	1/10W				
JR116	1-216-296-00	METAL GLAZE 0	5%	1/8W				
M901	1-541-597-11	MOTOR, DC						
MIC901	8-814-204-00	MICROPHONE, BUILT-IN (C-1076)						
Q101	8-729-402-31	TRANSISTOR 2SD1819AQ						
Q102	8-729-162-43	TRANSISTOR 2SB624-BV3						
Q103	8-729-402-31	TRANSISTOR 2SD1819AQ						
Q104	8-729-402-93	TRANSISTOR UN5214						
Q105	8-729-162-43	TRANSISTOR 2SB624-BV3						
Q106	8-729-402-31	TRANSISTOR 2SD1819AQ						
Q107	8-729-402-93	TRANSISTOR UN5214						
Q108	8-729-402-16	TRANSISTOR XN1501						
Q109	8-729-402-31	TRANSISTOR 2SD1819AQ						
Q110	8-729-402-93	TRANSISTOR UN5214						
Q111	8-729-402-31	TRANSISTOR 2SD1819AQ						
Q112	8-729-402-31	TRANSISTOR 2SD1819AQ						
Q113	8-729-402-55	TRANSISTOR 2SB1218A-R						
Q114	8-729-402-31	TRANSISTOR 2SD1819A						
Q115	8-729-402-55	TRANSISTOR 2SB1218A-R						
Q116	8-729-402-31	TRANSISTOR XN1501						

Ref.No.	Part No.	Description
R101	1-216-825-11	METAL GLAZE 2.2K 5% 1/16W
R102	1-216-037-00	METAL GLAZE 330 5% 1/10W
R103	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R104	1-216-827-11	METAL GLAZE 3.3K 5% 1/16W
R105	1-216-848-11	METAL GLAZE 180K 5% 1/16W
R106	1-216-834-11	METAL GLAZE 12K 5% 1/16W
R107	1-216-835-11	METAL GLAZE 15K 5% 1/16W
R108	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R109	1-216-851-11	METAL GLAZE 330K 5% 1/16W
R110	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R111	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R112	1-216-828-11	METAL GLAZE 3.9K 5% 1/16W
R113	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R114	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R115	1-216-031-00	METAL GLAZE 180 5% 1/10W
R116	1-216-792-11	METAL GLAZE 3.9 5% 1/16W
R117	1-216-792-11	METAL GLAZE 3.9 5% 1/16W
R118	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W
R119	1-216-831-11	METAL GLAZE 6.8K 5% 1/16W
R120	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R122	1-216-810-11	METAL GLAZE 120 5% 1/16W
R123	1-216-815-11	METAL GLAZE 330 5% 1/16W
R124	1-216-801-11	METAL GLAZE 22 5% 1/16W
R126	1-216-847-11	METAL GLAZE 150K 5% 1/16W
R128	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R129	1-216-821-11	METAL GLAZE 1K 5% 1/16W
R131	1-216-829-11	METAL GLAZE 4.7K 5% 1/16W
R132	1-216-838-11	METAL GLAZE 27K 5% 1/16W
R134	1-216-821-11	METAL GLAZE 1K 5% 1/16W
R135	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R136	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W
R137	1-216-822-11	METAL GLAZE 1.2K 5% 1/16W
R138	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R139	1-216-815-11	METAL GLAZE 330 5% 1/16W
R140	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R141	1-216-831-11	METAL GLAZE 6.8K 5% 1/16W
R142	1-216-838-11	METAL GLAZE 27K 5% 1/16W
R143	1-216-813-11	METAL GLAZE 220 5% 1/16W
R145	1-216-829-11	METAL GLAZE 4.7K 5% 1/16W
R146	1-216-829-11	METAL GLAZE 4.7K 5% 1/16W
R147	1-216-851-11	METAL GLAZE 330K 5% 1/16W
R148	1-216-825-11	METAL GLAZE 2.2K 5% 1/16W
R150	1-216-826-11	METAL GLAZE 2.7K 5% 1/16W
R151	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R160	1-216-823-11	METAL GLAZE 1.5K 5% 1/16W

Ref.No.	Part No.	Description
R161	1-216-841-11	METAL GLAZE 47K 5% 1/16W
R162	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R601	1-216-824-11	METAL GLAZE 1.8K 5% 1/16W
R602	1-216-824-11	METAL GLAZE 1.8K 5% 1/16W
R604	1-216-829-11	METAL GLAZE 4.7K 5% 1/16W
R605	1-216-792-11	METAL GLAZE 3.9 5% 1/16W
R606	1-216-810-11	METAL GLAZE 120 5% 1/16W
R701	1-216-829-11	METAL GLAZE 4.7K 5% 1/16W
R702	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R704	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R705	1-216-838-11	METAL GLAZE 27K 5% 1/16W
RV101	1-238-318-11	RES, VAR, CARBON 10K(VOL;INCLUDING KNOB)
RV601	1-238-320-11	RES, ADJ, CERMET 4.7K (SPEED ADJ 2.4)
RV602	1-238-320-11	RES, ADJ, CERMET 4.7K (SPEED ADJ 1.2)
S101	1-571-694-11	SWITCH, SLIDE (REC/PB)
S102	1-571-506-21	SWITCH, SLIDE (TAPE SPEED)
S103	1-570-395-11	SWITCH, LEAF (POWER)
S104	1-571-275-11	SWITCH, SLIDE (VOR)
S105	1-570-395-11	SWITCH, LEAF (FF/REW)
S106	1-571-277-11	SWITCH, SLIDE (MIC SENS)
S601	1-571-275-11	SWITCH, SLIDE (PAUSE)
SP901	1-544-033-11	SPEAKER
T101	1-433-286-11	TRANSFORMER, BIAS OSCILLATION
TH601	1-808-520-11	THERMISTOR, POSITIVE

ACCESSORY & PACKING MATERIAL

1-542-108-11	MICROPHONE, ELECTRET CONDENSER (INCLUDING CONTROL)
3-349-265-01	STRAP, HAND
3-349-266-01	FRAME, INNER, CASE
3-349-270-01	CASE, CARRYING
*3-349-271-01	(US).....INDIVIDUAL CARTON
*3-349-272-01	(Canadian, UK, E)...INDIVIDUAL CARTON
3-786-545-11	MANUAL, INSTRUCTION
3-786-545-41	(AEP).....MANUAL, INSTRUCTION
8-952-411-90	HEADPHONE MDR-E130C SET