SERVICE MANUAL

Ver 1.0 2000.12 with SUPPLEMENT 1 (9-955-640-81) with SUPPLEMENT 2 (9-955-640-82) with SUPPLEMENT 3 (9-955-640-83)



Photo: M-550V

US Model M-440V/550V/660V

Canadian Model AEP Model UK Model E Model

SPECIFICATIONS

Tape
Recording system
Speaker
Tape speed
Frequency response
Input (M-550V/660V)

Output Power output

Battery life (recording)

Power requirements

(MICROCASSETTE) (normal position type) 2-track 1-channel monaural Approx. 4 cm (1 % inches) dia. 2.4 cm/s (15/16 ips), 1.2 cm/s (15/32 ips) 250 – 4,000 Hz (at 2.4 cm position)

Microphone jack (minijack) (PLUG IN POWER) sensitivity 0.4 mV for 3 kilohm or lower impedance microphone
Earphone jack (minijack) for 8-300 ohm earphone

150 mW (at 10 % harmonic distortion) Sony SUM-3 (NS): Approx. 6 hours Sony AM3 (N): Approx. 18 hours 3 V DC, two size AA (R6) batteries

Two Sony rechargeable batteries (NC-AA) , , M-660V only DC IN 3V jack accepts:

Sony AC-D2M AC power adaptor (optional)
 available in US (M-440V/550V), Canadian models
 for use on 120V AC, 60Hz
 available in AEP model for use on 220V AC, 50Hz
 available in LIK model for use on 220V AC, 50Hz
 available in LIK model for use on 220V AC, 50Hz

available in UK model for use on 240V AC, 50Hz available in E model for use on 120V AC, 60Hz or 220V AC, 50Hz

 Supplied AC power adaptor/battery charger for use on 120 V AC, 60 Hz (M-660V only)
 Sony DCC-70 car battery cord (optional)

 Sony DCC-70 car battery cord (optional for use with 12V car battery Approx, 67.5 x 124 x 27 mm (w/h/d)

Dimensions Approx, $67.5 \times 124 \times 10^{-10}$

 $(2.3/4 \times 5 \times 11/8)$ inches) incl. projecting parts and controls

Approx. 180 g (6.4 oz.) incl. batteries

Accessory supplied Handstrap (1)

AC power adaptor/battery charger (1) (M-660V only) Rechargeable battery NC-AA (2) (M-660V only)

Design and specifications subject to change without notice.

Model Name Using Similar Mechanism	M-740, M-750∨
Tape Transport Mechanism Type	(M-440V) MZ-330-14 (M-550V/660V) MZ-550V-14

FEATURES

- · Compact size and easy operation
- VOR (voice operated recording) system economizes on tapes, batteries and your time.
- You can start recording directly from the playback mode. This function is convenient to correct a previously recorded portion.
- · Automatic shut-off mechanism

What is VOR (voice operated recording) system?

With this system, recording starts only when sound is picked up and stops automatically when sound is no longer detected.

Note: Use only the recommended AC power adaptor or car battery cord manufactured by Sony. Polarity of the plugs of other manufacturers may be different.



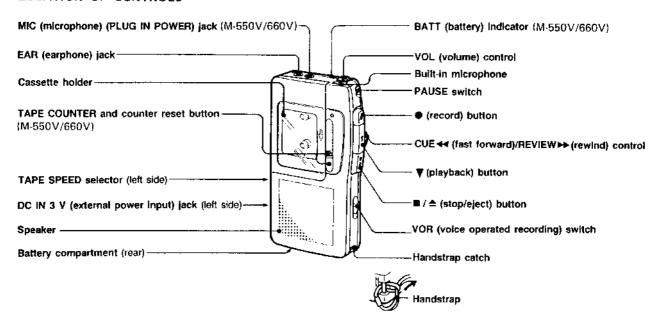
Polarity of the Sony plug



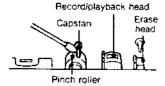
Weight



LOCATION OF CONTROLS



MAINTENANCE

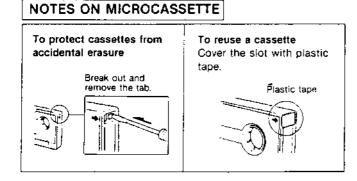


Cleaning the head

Clean the tape head after every 10 hours of use to enjoy optimum sound. Moisten a cotton swab or a soft cloth with alcohol and wipe the parts shown in the illustration.

Cleaning the casing

Clean the casing with a soft cloth slightly moistened with water or a mild detergent solution. Do not use alcohol, benzine or thinner as they may mar the finish.



This unit uses only standard Microcassettes. Non standard cassettes cannot be used because their "L" dimension (see illustration) is different.

Only standard

Microcassettes have a small indentation on side A.

Approx. Approx. 2.5 mm

2.5 mm

2.5 mm

SERVICING NOTE

Repairing printed resistor

Cut both sides of the resistor and solder the carbon resistor having same value in place of printed one of the conductor side.

1/4W carbon resistor is supplied for the replacing part of the printed resistor.

Notes on chip component replacement

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

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 ADJUSTMENTS

1-1. MECHANICAL ADJUSTMENT AND **MEASUREMENT**

PRECAUTION

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

record/playback head

pinch roller rubber belts

erase head 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

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

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

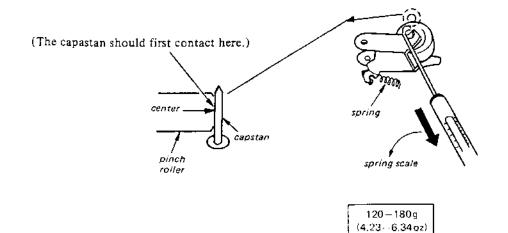
Tape Tension Measurement

Meter	Meter Reading
CQ-403M	more than 40g·cm (more than 0.56oz·inch)

Pinch Roller Pressure Adjustment

- Playback Mode -

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



1-2. ELECTRICAL ADJUSTMENTS

Standard Input Level

Туре	Signal	Used for
WS-24	3kHz. — LOdB	Tape Speed Adjustment
S-2-A030	3kHz 20dB	Head Azimuth Adjustment

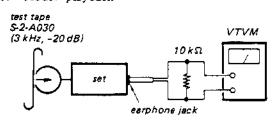
Record/playback Head Azimuth Adjustment

Setting:

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

Procedure:

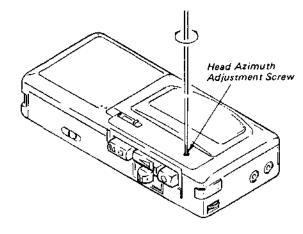
1. Mode: playback



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

Note: Several peaks may appear, but take the maxi-

Adjustment Location:



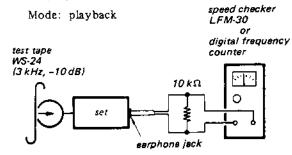
Tape Speed Adjustment

Setting:

VOLUME control: mechanical mid VOR switch: OFF

Procedure:

• Perform 2.4 cm/s speed adjustment before 1.2 cm/s speed adjustment.



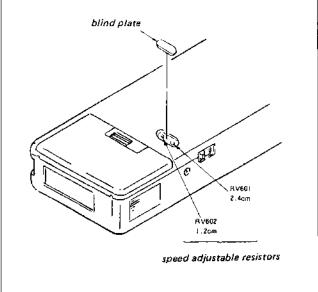
Tape speed	Speed checker	Digital frequency counter
2.4 cm/s	±4%	2,880 - 3,120 Hz
1.2 cm/s	±5%	1,425 – 1,575 Hz

Frequency difference between the beginning and the end of the tape should be within 0.5%.

2.4 cm/s (15 Hz)

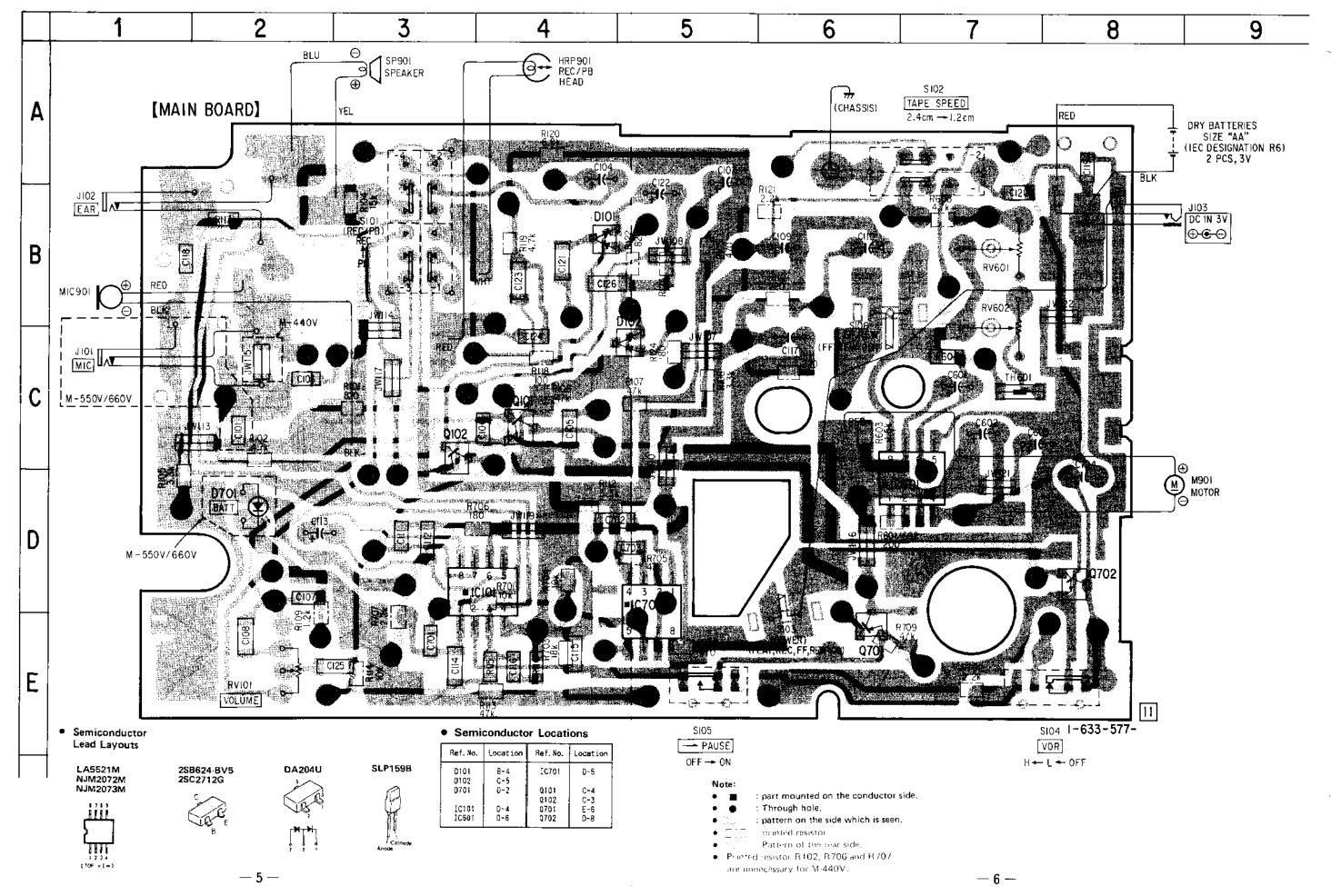
1.2 cm/s (7.5 Hz)

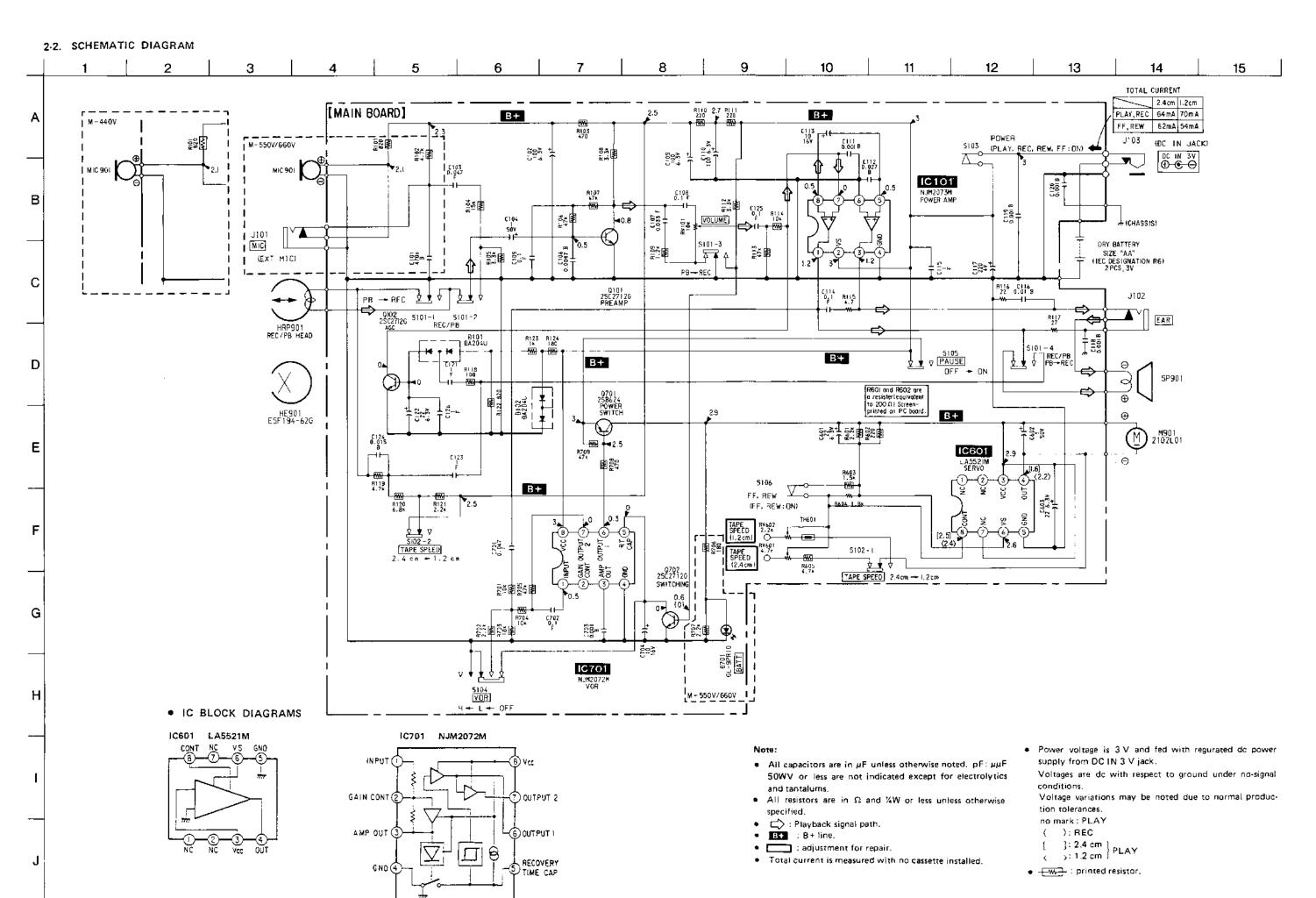
Adjustment Location:



SECTION 2 DIAGRAMS

2-1. PRINTED WIRING BOARDS





-7-

NOTE:

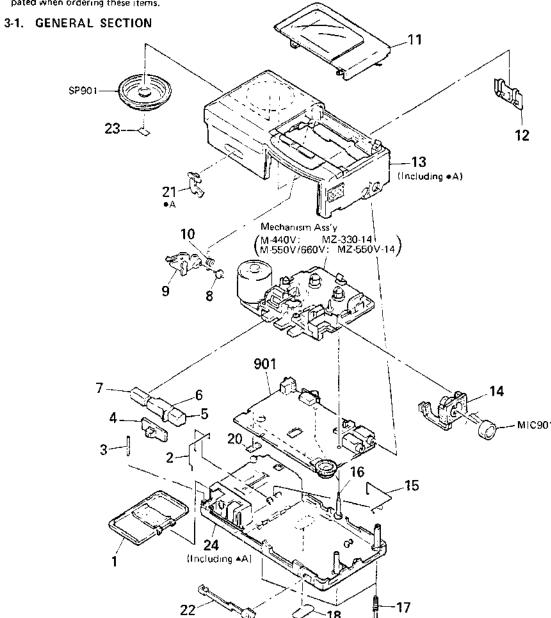
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be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

SECTION 3 EXPLODED VIEWS

- 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)

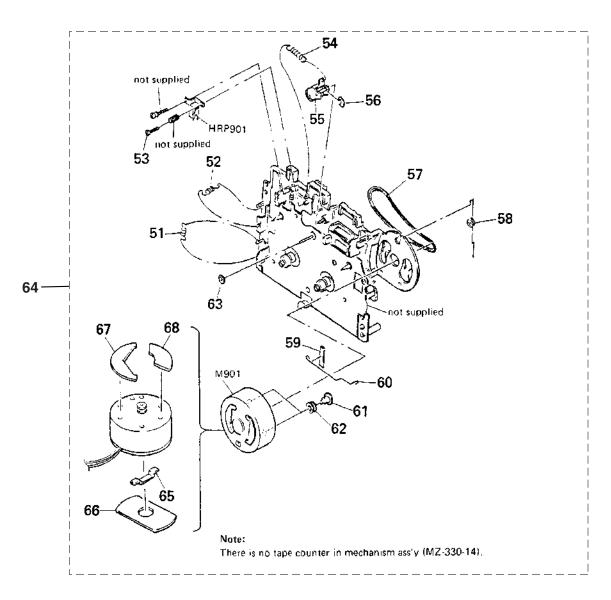
†
Cabinet's Color Parts Color



No.	Part No.	Description	Remarks	<u>No.</u>	Part No.	Description	Remarks
1 2 3 4	3-357-510-01	LID ASSY, BATTERY CASE TERMINAL (+), BATTERY PIN, PARALLEL BUTTON (F/R)		14 15 16 17	3-343-953-01 3-357-511-01 3-342-156-31 3-357-509-01	TERMINAL (-), BATTERY SCREW PWH 1.4X9.8	
5 6 7 8	3-343-956-01 3-343-958-01 3-343-957-01 3-358-333-01	BUTTON (REC) BUTTON (PLAY) BUTTON (STOP) SHAFT (EJECT), LEVER	M	- 18 20 21 22	3-358-363-01 3-831-441-11 3-343-959-01 3-343-954-01	CUSHION (B) KNOB (VOR)	
9 10 11 12	3-343-949-01	1.EVFR (FJECT) SPRING, TORSION LID ASSY, CASSETTE SPRING (550Y)CABINET (FRONT) ASSY	21	24 901	A-3015-850-A 1-542-136-11	CABINET (REAR) ASSY PC BOARD ASSY, MAIN MICROPHONE, BUILT-IN	22
•0	X-3342-144-1 X-3342-145-1	(440V)CABINET (FRONT) ASSY (660V)CABINET (FRONT) ASSY	21 21				

3-2. MECHANISM SECTION

M-440V: MZ-330-14 : (Supplied with ASSY)
M-550V/660V: MZ-550V-14 : (Not supplied with ASSY)



No.	Part No.	<u>Description</u>	Remarks	<u>No.</u>	Part No.	Description	Remarks
51 52 53 54 55 56 57 58 59	3-342-186-01 3-342-102-01 3-318-203-31 3-342-173-01 X-3342-102-1 3-590-768-00 3-343-966-01 3-358-324-01 3-485-330-11	SCREW (B1.7XB), TAPPING SPRING, TENSION PINCH LEVER ASSY		64 65 66 67 68 HRP901 M901	3-495-330-11 3-342-050-11 3-342-075-01 3-352-476-01	HEAD, MAGNETIC (REC/PB)	4) 51-68
60 61 62 63	3-357-512-01 3-309-836-01 3-570-770-00 3-315-384-41	and a sign of the same					

SECTION 4 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.

CAPACITORS: MF: μF, PF: μμF.

RESISTORS

All resistors are in ohms. F: nonflammable

COILS

MMH: mH, UH: μH

SEMICONDUCTORS

In each case, U: µ, for example: UA...: µA..., UPA...: µPA..., UPC...: µPD...:

The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number replaced. specified.

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			Ref.No.	Part No.	Description			
901	A-3015-850-A	PC BOARD ASSY, MAIN			JW106	1-216-296-00	METAL GLAZE	o	5%	1/8W
C101	1-163-005-11	ŕ	104	50V	JW107	1-216-296-00 1-216-296-00		0	5% 5%	1/8W 1/8W
C102 C103	1-124-225-00 1-163-035-00		20%	6.3V 50V	JW113	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0	5% 5% 5%	1/8₩ 1/8₩ 1/8₩
C104 C105 C106	?-126-160+11 1-163-077-00 1-163-017-00	ELECT IMF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.0047MF	20% 10%	50V 50V 50V	JW115 JW117	1-216-296-00 1-216-296-00	(440V)META METAL GLAZE	AL GLAZ	E 0	5% 1/8W 1/8W
0107 0108 0109		CERAMIC CHIP 0.033MF CERAMIC CHIP 0.1MF ELECT 100MF	20%	50V 50V 6.3V	JW]21	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0	5% 5% 5%	1/8W 1/8W 1/8W
0110 0111		CERAMIC CHIP 0.001MF	20% 10%	6.3V 50V	M90°	1-541-738-11				
C112	1-163-064-00	CERAMIC CHIP 0.027MF	10%	50V	MI C901	1-542-136-11	MICROPHONE, B	BUIL T- I	N	
C113 C114 C115		ELECT 10MF CERAMIC CHIP 0.1MF CERAMIC CHIP 1MF	20%	16V 50V 16V	Q101 Q102 Q701 Q702	8-729-271-22 8-729-271-22 8-729-162-45 8-729-271-22	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	6C2712G 8B624-B	V5	
C116 C117 C118	1-124-434-00	CERAMIC CHIP 0.01MF ELECT 220MF CERAMIC CHIP 0.001MF	10% 20% 10%	50V 4V 50V	R101 R102 R103	1-249-416-11 1-249-425-11 1-249-413-11	CARBON (550V,660V) CARBON	820 .CARB0 470	N 4.7	1/4W K 5% 1/4W 1/4W
0119 0120 0121	1-163-009-11	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.001MF CERAMIC CHIP 1MF	10% 10%	50V 50V 16V	R104 R105 R106	1-249-431-11 1-249-423-11 1-249-437-11	CARBON CARBON CARBON	15K 3.3K 47K	5% 5%	1/4W 1/4W 1/4W
C122 C123 C124	1-126-153-11 1-152-638-11 1-153-023-00	ELECT 22MF CSRAMIC CHIP 1MF CERAMIC CHIP 0.015MF	20% 10%	6.3V 16V 50V	R107 R108	1-249-437-11 1-249-423-11	CARBON CARBON	47K 3.3K	5% 5%	1/4W 1/4W
C125 C126 C601		CERAMIC CHIP 0.1MF CERAMIC CHIP 1MF ELECT 22MF	20%	50V 16V 6.3V	R109 R110 R111	1-249-418-11 1-249-409-11 1-249-409-11	CARBON CARBON CARBON	1.2K 220 220	5% 5%	1/4W 1/4W 1/4W
6602 6603 6701	1-126-160-11 1-126-153-11 1-163-035-00	ELECT 1MF ELECT 22MF CERAMIC CHIP 0.047MF	20% 20%	50V 6.3V 50V	R114	1-249-423-11 1-249-437-11 1-249-429-11	CARBON CARBON CARBON	3.3K 47K 10K	5% 5%	1/4W 1/4W 1/4W
C702 C703 C704	1-163-077-00 1-163-009-11 1-126-157-11	CERAMIC CHIP 0.001MF	1 0% 20%	50V 50V 16V	R115 R116 R117 R118	1-216-308-00 1-216-009-00 1-216-011-00 1-249-405-11	METAL GLAZE METAL GLAZE METAL GLAZE	4.7 22 27	5% 5%	1/10W 1/10W 1/10W
0101 0102 0701	8-719-941-23 8-719-941-23 8-719-915-54	CIODE DA204U C10DE DA204U (550V,660V)LED SLP159B	;		R119 R120	1-249-425-11 1-249-427-11	CARBON CARBON CARBON	6.8K	5% 5%	1/4W 1/4W 1/4W
HR2901	1-543-432-11	HEAD, MAGNETIC (REC/PB)					CARBON	2.2K		1/4W
10101 10601 10701	8-759-701-02 8-759-804-43 8-759-701-51	IC NJM2073M IC LA5521M IC NJM2072M		į	R122 R123 R124	1-249-416-11 1-249-417-11 1-249-408-11	CARBON CARBON CARBON	820 1K 180	5%	1/4W 1/4W 1/4W
J101 J102 J103	1-569-215-21 1-569-215-21 1-568-228-11	(550V,660V)JACK (MJC) JACK (EAR) JACK, EXTERNAL POWER (DC	IN 3V)			1-249-421-11 1-249-409-11 1-249-419-11	CARBON CARBON CARBON	2.2K 220 1.5K	5%	1/4W 1/4W 1/4W
				i						





Ref.No.	Part No.	Description
R604 R605 R701	1-216-055-00 1-249-425-11 1-249-429-11	METAL GLAZE 1.8K 5% 1/10W CARBON 4.7K 5% 1/4W CARBON 10K 5% 1/4W
R702 R703 R704 R705	1-249-421-11 1-249-432-11 1-249-429-11 1-249-437-11	CARBON 2.2K 5% 1/4W CARBON 18K 5% 1/4W CARBON 10K 5% 1/4W CARBON 47K 5% 1/4W
R706 R707 R708 R709	1-249-408-11 1-249-421-11 1-249-413-11 1-249-437-11	(550V,560V)CARBON 180 5% (550V,560V)CARBON 2.2K 5% CARBON 470 5% 1/4W CARBON 47K 5% 1/4W
RV101 RV601 RV602	1-237-731-21 1-228-993-00 1-228-991-00	RES, VAR, CARBON 10K (VOLUME) RES, ADJ, CARBON 4.7K (2.4CM) RES, ADJ, CARBON 2.2K (1.2CM)
\$101 \$102 \$103	1-572-245-11 1-571-478-11 1-571-621-21	SWITCH, SLIDE (REC/PB) SWITCH, SLIDE (TAPE/SPEED) SWITCH, LEAF (POWER)
\$104 \$105 \$106	1-571-506-11 1-571-275-11 1-571-986-11	SWITCH, SLIDE (VOR) SWITCH, SLIDE (PAUSE) SWITCH, LEAF (FF/REW)
5P 9 01	1-503-761-11	SPEAKER
TH601	1-808-956-11	THERMISTOR, POSITIVE

ACCESSORY & P	ACKING MATERIAL
Part No.	Description
#1-465-449-11 1-528-179-11 *3-343-905-01 3-343-906-01	(660V)AC ADAPTOR/BATTERY CHARGER (660V)BATTERY, STORAGE, NI-CD (550V:Canadian,AEP,UK,E)CUSHION, 2 GANG (550V:Canadian,UK,E)SPACER
- *3-343-987-01	(440V/550V/660V: US) CUSHION (UPPER)
*3-343-988-01	(440V/550V/660V: US)CUSHION (LOWER)
*3-358-308-01 *3-358-311-01 3-358-325-01 X-3338-703-1	(550V:Canadian,UK,E)INDIVIDUAL CARTON (550V:AEP)INDIVIDUAL CARTON (550V:AEP)CASE, CARRYING STRAP ASSY
3-751-346-11 3-751-346-21	(550Y:AEP.E)MANUAL, INSTRUCTION (ENGLISH/FRENCH/SPANISH/PORTUGUESE) (440Y/550Y:US)MANUAL, INSTRUCTION (ENGLISH)
3-751-346-31	(550V:Canadian,UK)MANUAL, INSTRUCTION
3-751-346+41	(ENGLISH/FRENCH) (550V:AEP)MANUAL, INSTRUCTION
3-751-585-21	(GERMAN/DUTCH/SWEDISH/ITALIAN) (660V)MANUAL, INSTRUCTION (ENGLISH)

Note:

The components identified by mark A or dotted line with mark A are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spéci-

© 1990.2

SONY SERVICE MANUAL

2000.12

US Model

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

SUPPLEMENT-1

File this supplement with the service manual.

US Model Canadian Model

As only difference from Canadian model of M-660V is described in this manual, please refer M-660V (US model) service manual for the other sections.

Original Parts

3-343-905-01 CUSHION, 2 GANG *3-358-373-01 INDIVIDUAL CARTON 3-751-585-31 MANUAL, INSTRUCTION (ENGLISH/FRENCH) **≜**,1-465-531-11 AC ADAPTOR

Note:

The components identified by mark A or dot-ted line with mark A are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque À sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spéci-

M-440V/550V/660V

SONY. SERVICE MANUAL

2000.12

SUPPLEMENT-2

File this Supplement with the Service Manual,

- Printed wiring boards changed. (1.633.577.11 → 1.635.436.11)
- AEP and UK models are added in M-660V.
 As only difference from US model and Canadian model of M-660V is described in this manual, please refer to M-660V (US, Canadian model) service manual for the other sections.

US Model

US Model Canadian Model

AEP Model UK Model

E Model

M-550V

US Model Canadian Model AEP Model UK Model

M-660V

CHANGED PARTS LIST (Service Manual Page 9, 11, 12)

Def. No.	Former Parts		New Parts		
Ref. No.	Discription (Part No.)	Part No.	Description	Remarks	
14	3 343 953 01	3-363-108-01	HOLDER, MICROPHONE	Changed	
902		* 1-635-437-11	PC BOARD, BATT TERMINAL	Added	
C103	CERAMIC CHIP 0,047MF 50V	1-163-033-00	CERAMIC CHIP 0,022HF 50V	Changed	
CNJ301		* 1-563-703-II	SOKET, CONNECTOR 2P	Added	
CNP301		* 1-564-495-11	PIN, CONNECTOR 2P	Added	
JW105		* 1-216-296-00	METAL GLAZE 0 5% 1/8W	Added	
R120	CARBON 6,8K 5% 1/4W	1-215-448-00	CARBON 13K 5% 1/4W	Changed	
		∆ 1-465-722-11 (660V:	UK) ······· ADAPTOR, AC (AC-330)	Added	
		<u> </u>	AEP) ••••• ADAPTOR, AC (AC-330)	Added	
		* 3-343-987-01 (660V) •	··················CUSHION UPPER		
		* 3-343-987-01 (660V:	Canadian) · · · CUSHION UPPER	Correct	
		* 3-343-988-01 (66CV) •	············ CUSHION LOWER		
		* 3-343-988-01 (660V:	Canadian) · · · CUSHION LOWER	Correct	
		* 3-358-368-01 (660V: US) INDIVIDUAL CARTON			
		* 336704501 (660V:	AEP, UK) · · · CASE, ACCESSORY	Added	
ACCE-		* 3 367 185 01 (660V;	AEP) ****** INDIVIDUAL CARTON	Added	
SSORY		* 3 367-187 01 (660V:	UK) ······· INDIVIDUAL CARTON	Added	
		3-751-585-11 (660V:	AEP, UK) · · · MANUAL, INSTRUCTION (ENGLISH/FRENCH/SPANISH /PORTUGUESE)	Added	
ľ		3-343-905-01 (660V) •	······CUSHION, 2 GANG		
		3-343-905-01 (660V:	Canadian) · · · CUSIIION, 2 GANG	Correct	
		3-751-585-41 (660V:	AEP) ······ MANUAL, INSTRUCTION (GERMAN/DUTCH/SWEDISH /ITALIAN)	Added	
Ì		* 3-338-735-01 (660V) •	······ BAG, PROTECTION	Added	

Semiconductor Lead Layouts

• SEMICONDUCTOR LOCATION

Ref. No.

D101

D102

D701

IC101

IC601

IC701

Q101

Q102

Q701

Q702

Location

B-5

C-5

D-2

E – 4

D-7

E-5

C-4

D-4

E – 7

E-8

LA5521M NJM2072M NJM2073M
1 (00 min)

2SB624-BV5 2SC2712G







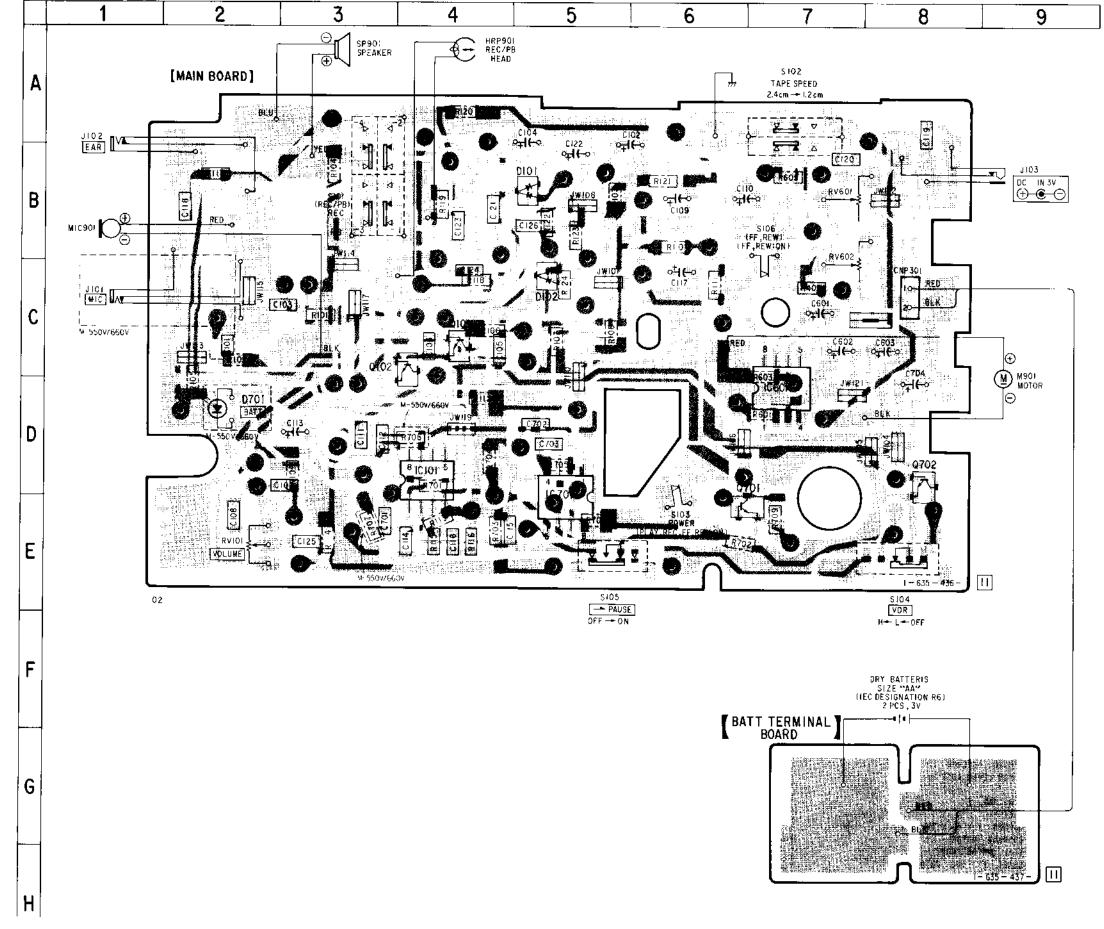
SLP159B



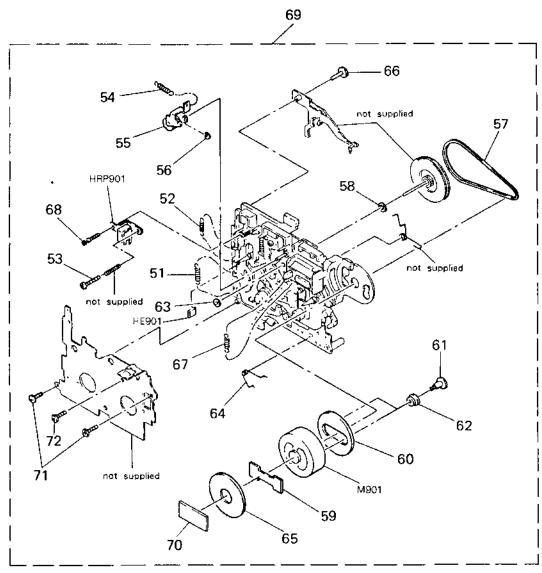
Note:

- 🔳 : parts mounted on the conductor side.
- • : Through hole,
- [] : printed resistor.
- + 800056 : Pattern of the rear side.

1. PRINTED WIRING BOARDS (Service Manual Page 5, 6)



M-440V; MZ-330-14 550V / 660V : MZ 550V 14



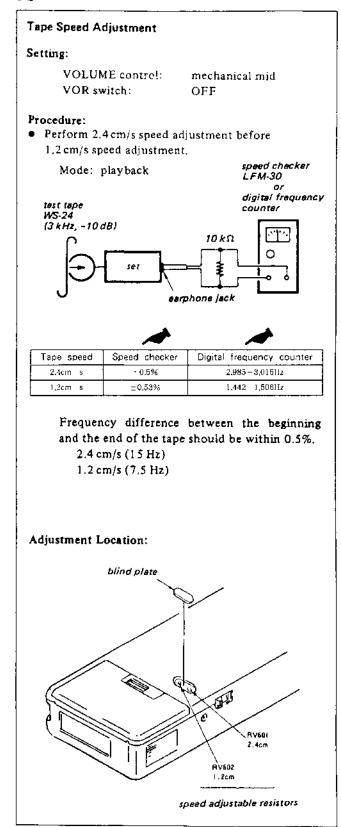
Note: There is no tape counter in mechanism ass'y (MZ-330-14).

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51 52 53 54	3-342-102-01 3-318-203-31 3-342-173-01	SPRING, TENSION SPRING, TENSION SCREW (B1.7X8), TAPPING SPRING, TENSION		63 64 65 66	3-342-187-01 3-362-322-01 3-318-324-01	SEAL (MOTOR REAR) BUSHING, IDLER LEVER	
55 56 57 58 59 60 61 62	3-590-758-00 3-343-966-01 3-701-436-11 3-831-441-11 3-362-321-01 3-309-836-01	• • • •		67 68 69 70 71 72 HE901 HRP901 M901	3-342-181-11 A-3013-430-A A-3013-431-A 9-911-815-61 7-627-850-67 7-627-551-67 8-825-772-01	(440V)	51-70 51-70

M-440V/550V/660V

CORRECTION (Service Manual Page 4)

: Corrected Portion



Sony Corporation General Audio Group

Published by Customer Relations and Service Group

M-440V/550V/660V

SONY. SERVICE MANUAL

2000.12

SUPPLEMENT-3

File this Supplement with the Service Manual.

Subject: MAIN board change

M-550V

Serial No.

New tape

US Model 95,301 and later Canadian Model 106.301 and later AEP Model 107,301 and later UK Model 113,101 and later 90,801 and later E Model

M-440V

US Model 61,001 and later

M-660V

US Model 15.001 and later Canadian Model 28,101 and later AEP Model 68,001 and later UK Model 70.501 and later US Model M-440V

US Model

Canadian Model AEP Model

UK Model

E Model

M-550V

US Model Canadian Model

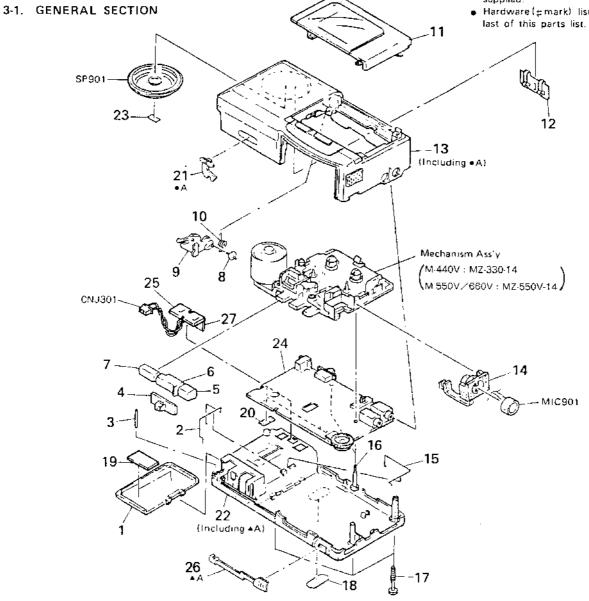
AEP Model UK Model

M-660V

SECTION 3 **EXPLODED VIEWS**

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Color indication of Appearance Parts Example:
 - KNOB, BALANCE (WHITE)....(RED) Parts color Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - The mechanical parts with no reference number in the exploded views are not supplied.
 - Hardware (#mark) list is given in the



Ref. No.	Part No.	Description	Remark	Ref. Ho.	Part No.	Description	Remark
1 2 3 4 5 6 7 8 9 10 11 12 13	X-3339-382- 3-357-510-0 3-576-082-0 3-343-956-0 3-343-957-0 3-343-957-0 3-358-333-0 3-343-955-0 3-343-949-0 X-3347-143- 3-576-074-0 X-3342-144- X-3342-145-	1 (NEW) LID ASSY, BATTE 1 (FORMER) LID ASSY, BA 11 (FORMER) TERMINAL (+) 10 PIN, PARALLEL 11 BUTTON (F/R) 12 BUTTON (PLAY) 11 BUTTON (STOP) 13 SHAFT (EJECT). LEVER 14 SPRING, TORSION 11 LID ASSY, CASSETTE 14 (550V)CABINET (FR 14 (660V)CABINET (FR 15 ROLDER, MICROPHONE	TTERY CASE , BATTERY ONT) ASSY ONT) ASSY	26 27 SP901	3-342-156-3 3-357-509-0 3-358-363-0 3-342-155-3 9-911-815-0 3-831-441-1 3-343-959-0 X-3363-687- X-3363-687- X-3363-687- X-3363-5850- A-3015-850- A-3015-871- \$1-635-437-1 3-343-954-1 3-362-243-0 1-503-763-1 \$1-563-703-1	OI SCREW (+B) (1.7), TAP OI (NEW) PLATE BLIND OI (FORMER) PLATE, BLIND OI CUSHION, DRUM OI CUSHION (B) OI KNOB (VOR) OI (NEW) CABINET (REAR) OI CUSHION OI CUSHION OI CUSHION OI (550Y/650Y) MAIN BOARD, OI (NEW) PC BOARD, BATT I OI KNOB (PAUSE) OI (NEW) TERMINAL, BATTE	ASSY R) ASSY BOARD, COMPLETE COMPLETE FERM: NAL RY