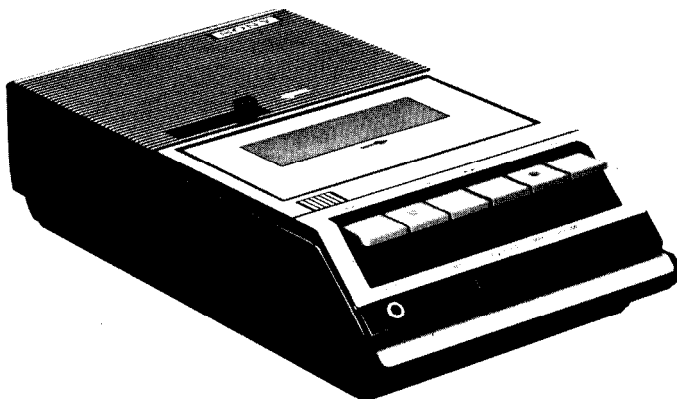


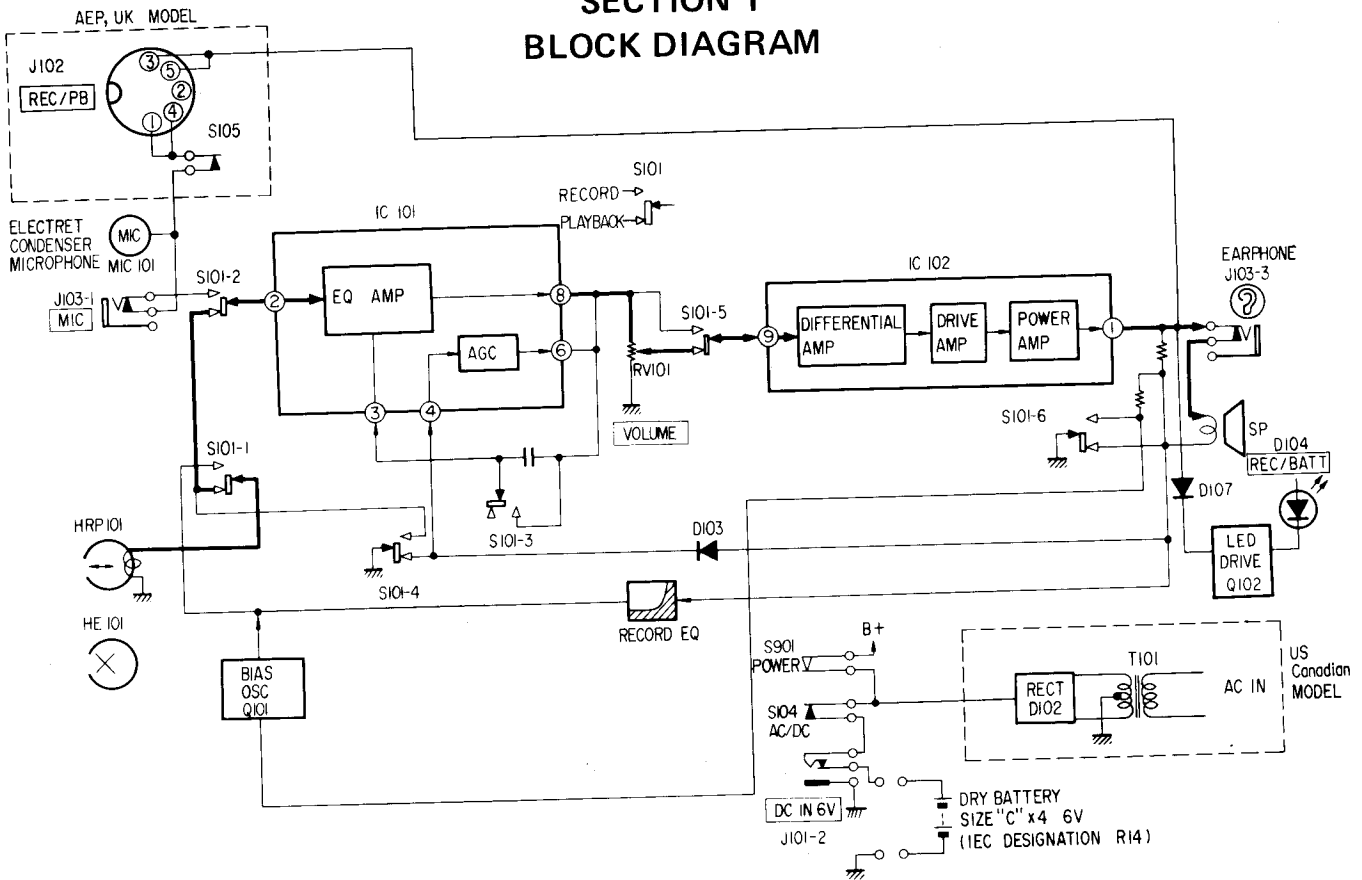


SPECIFICATIONS

Power Requirements:	120V ac adjustable, 60 Hz (US, Canadian model)	Dimensions:	Approx. 150 (w) x 69 (h) x 280 (d) mm
	120, 220 ac adjustable, 50/60 Hz (AEP model)		6 ¾(w) x 2 ¾(h) x 11 ⅛(d) inches
	240V ac adjustable, 50Hz (UK model)		including projecting parts and controls
	6 V dc, four batteries IEC designation R14 (size CI or optional Sony Rechargeable Battery Pack BP-1 6H)		with the Carrying Handle retracted
	12 V car battery with optional Sony Car Battery Cord DCC-127A	Weight:	Approx. 1.7 kg, 13lb 12 oz
Power Consumption:	5W ac (US, Canadian model)		including batteries
	8W ac (AEP model)		
	7W ac (UK model)		
Recording System:	2-track 1-channel monaural		
Fast Winding Time:	Approx. 90 seconds, with Sony Cassette C-60		
Frequency Response:	90-8,000 Hz		
Speaker:	Approx. 7.7 cm (3 inches) dia.		
Power Output:	800 mW (at 10% harmonic distortion)		
Input:	MIC (minijack)		
	sensitivity 0.2 mV (-72 dB)		
	for low Impedance microphone		
Output:	Earphone (minijack)		
	for 8.Ω earphone or load impedance		
	10 kΩ or higher		
Other Jack:	REMOTE		
	DIN (AEP, UK model)		
Battery Life:	Approx. 6 hours of continuous recording with the Built-in Microphone using Sony Super Batteries SUM-2S		

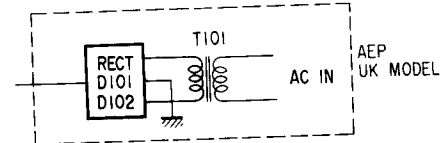
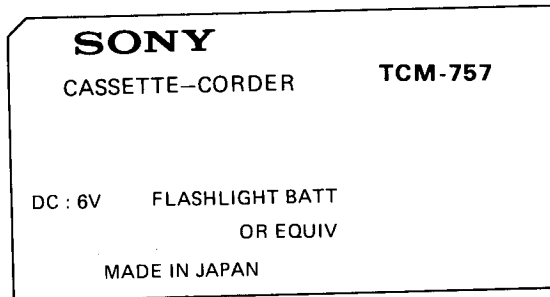
SERVICE MANUAL

SECTION 1 BLOCK DIAGRAM



MODEL IDENTIFICATION

—Specification Label—



AC120, 220V 50/60 Hz 8W---AEP MODEL
AC240V 50 Hz 7W-----UK MODEL
AC120V 60 Hz 5W-----US, Canadian MODEL

Torque Measurement

Power supply voltage: 6V dc

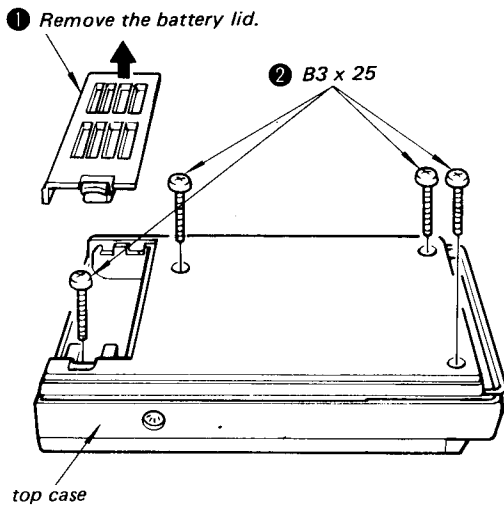
Mode	SONY torque meter	Torque
forward	CQ-102A	24-50g·cm (0.34-0.69 oz·inch)
fast forward. rewind	CQ-201A	60-110g·cm (0.84-1.52 oz·inch)

SECTION 2

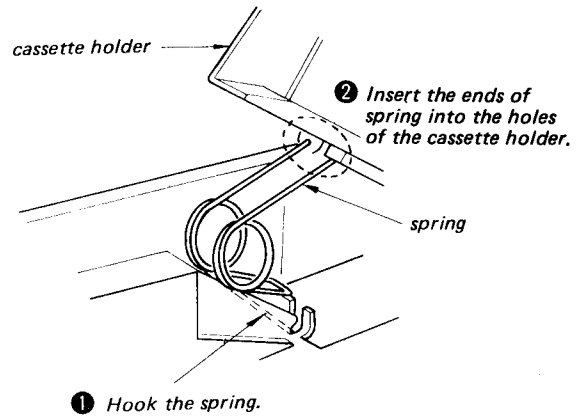
DISASSEMBLY AND INSTALLATION

- Follow the disassembly procedure in the numerical order given.

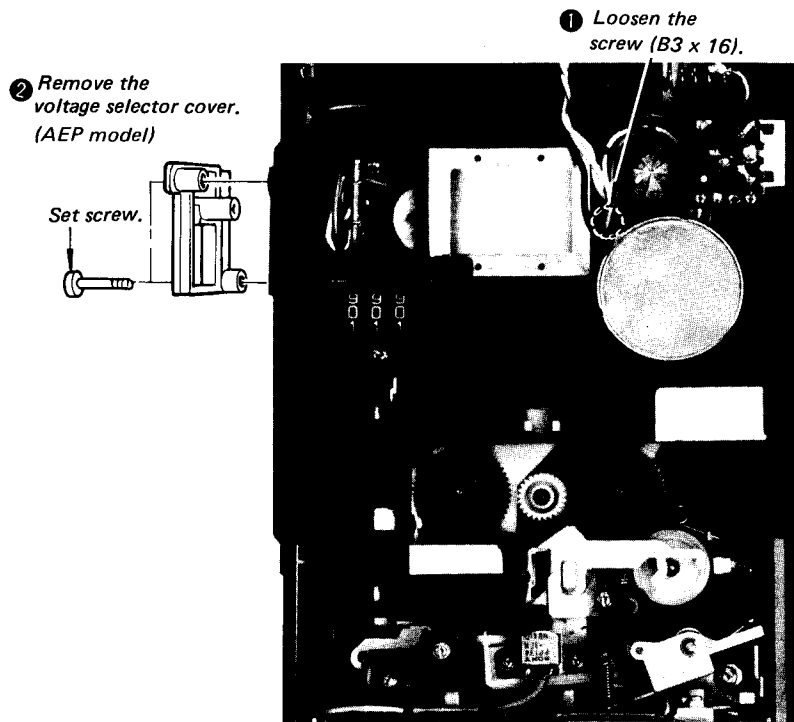
TOP CASE REMOVAL



CASSETTE HOLDER INSTALLATION



BOTTOM CASE REMOVAL



SECTION 3 ADJUSTMENTS

PRECAUTION

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

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers
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. After the adjustments, apply a suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Power supply voltage: 6V dc

Mode	SONY torque meter	Torque
forward	CQ-102A	24–50g·cm (0.34–0.69 oz·inch)
fast forward, rewind	CQ-201A	60–110g·cm (0.84–1.52 oz·inch)

Record/playback Head Azimuth Adjustment

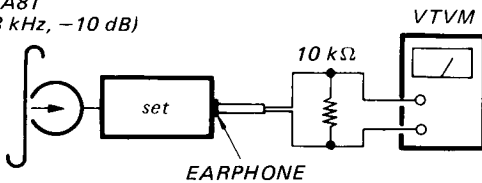
Setting:

VOLUME control: mechanical mid

Procedure:

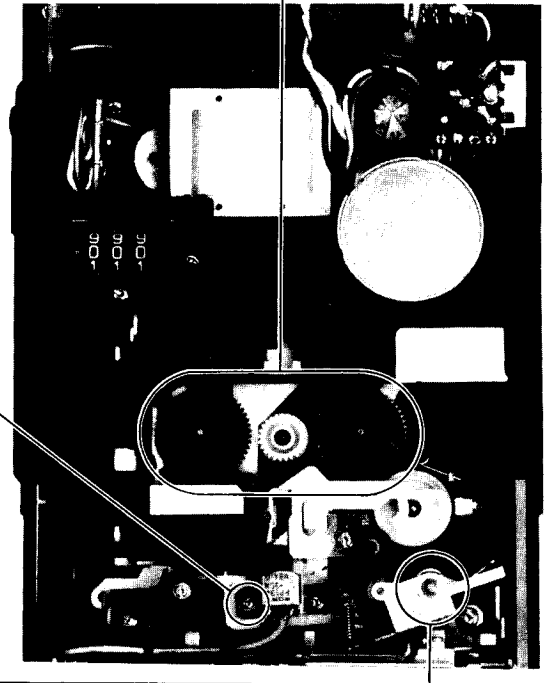
1. Mode: playback

test tape
P-4-A81
(6.3 kHz, -10 dB)



2. Turn the adjustment screw for the highest VTVM reading.

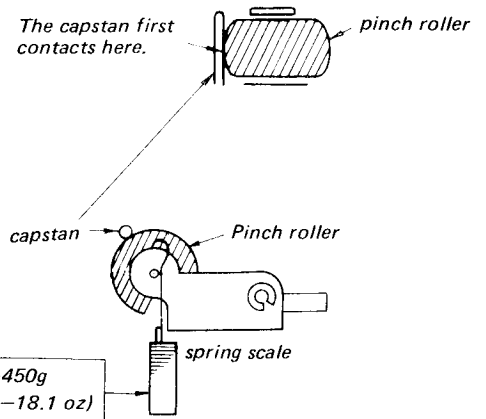
Note: Several peaks may appear, take the highest.



Pinch Roller Pressure Adjustment

—playback mode—

1. Pull the spring scale.
2. Slowly return the pinch roller and read the spring scale just when the pinch roller starts to rotate.



Tape Speed Adjustment (only when motor is replaced)

Setting:

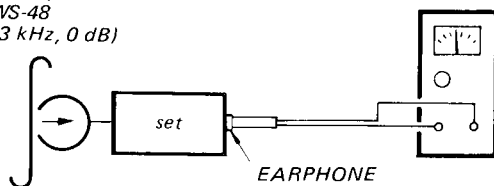
VOLUME control: mechanical mid

Procedure:

Mode: playback

test tape
WS-48
(3 kHz, 0 dB)

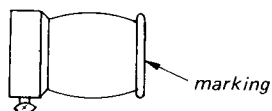
speed checker
LFM-30
or
digital frequency
counter



Specification:

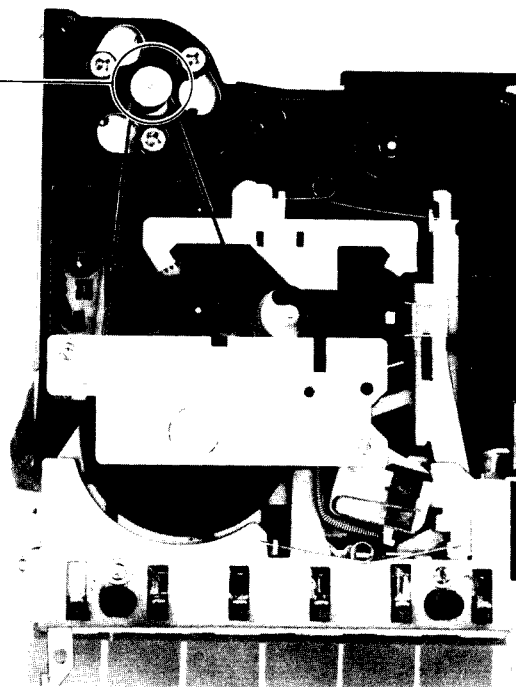
Speed checker	Digital frequency counter
3kHz $\pm$ 3%	2,910 to 3,090 Hz

If necessary, replace the motor pulley.



Motor pulley Part No.	Marking	Tape speed change
X-3558-615-1	A	-2.5%
X-3558-615-2	B	-1.5%
X-3558-615-3	C	0
X-3558-615-4	D	+1.5%
X-3558-615-5	E	+2.5%

Note: Perform the motor pulley height adjustment.



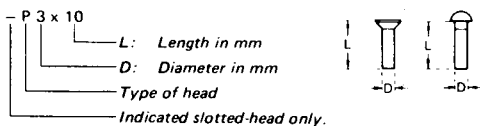
1/4 WATT CARBON RESISTORS Ⓐ

Note: Circled letter Ⓐ is applicable to European models only.

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00	1.0M	1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-478-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-479-00	18k	1-246-503-00	180k	1-246-527-00	1.8M	1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00	2.0M	1-210-820-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-481-00	22k	1-246-505-00	220k	1-246-529-00	2.2M	1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		

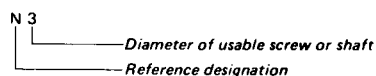
HARDWARE NOMENCLATURE

Screw:



Unless otherwise indicated, it means cross-recessed head (Phillips type).

Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazer-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

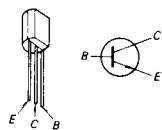
AEP, UK Model

4-1. MOUNTING DIAGRAMS

—Conductor side—

- **Replacement Semiconductors**
For replacement, use semiconductors except in ().

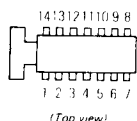
Q101, 102 : 2SC1364



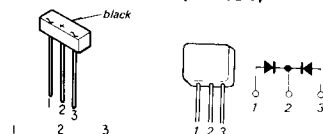
IC101, LA3210



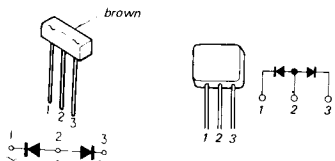
IC102, LA4110



D101: S3VC40 (MI 151)

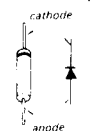


D102 : S3VC40R (MI 151R)

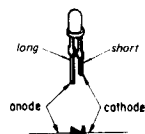


D103 : 1S1555 (1T40)

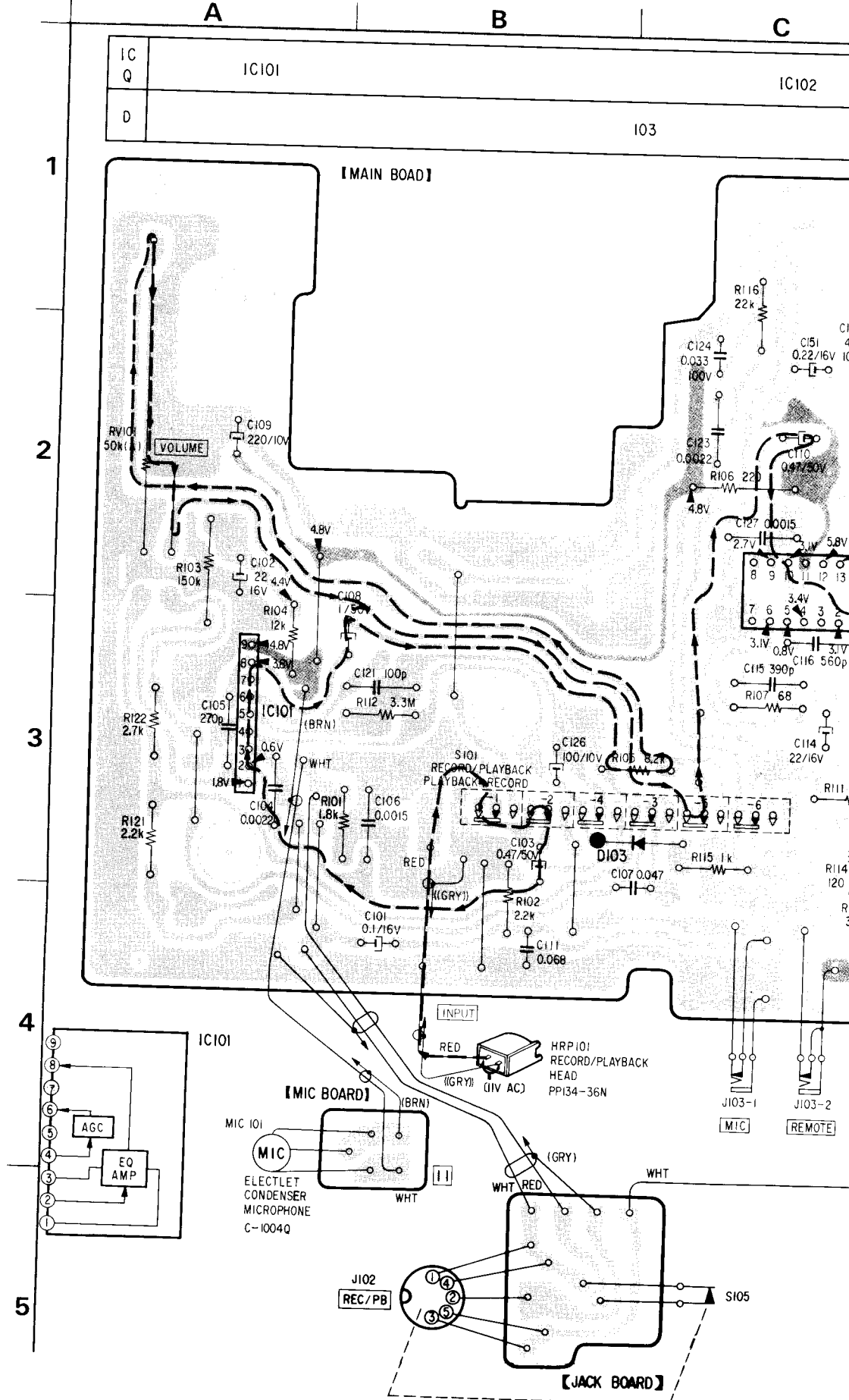
D107 : 1T22AM (1T22)



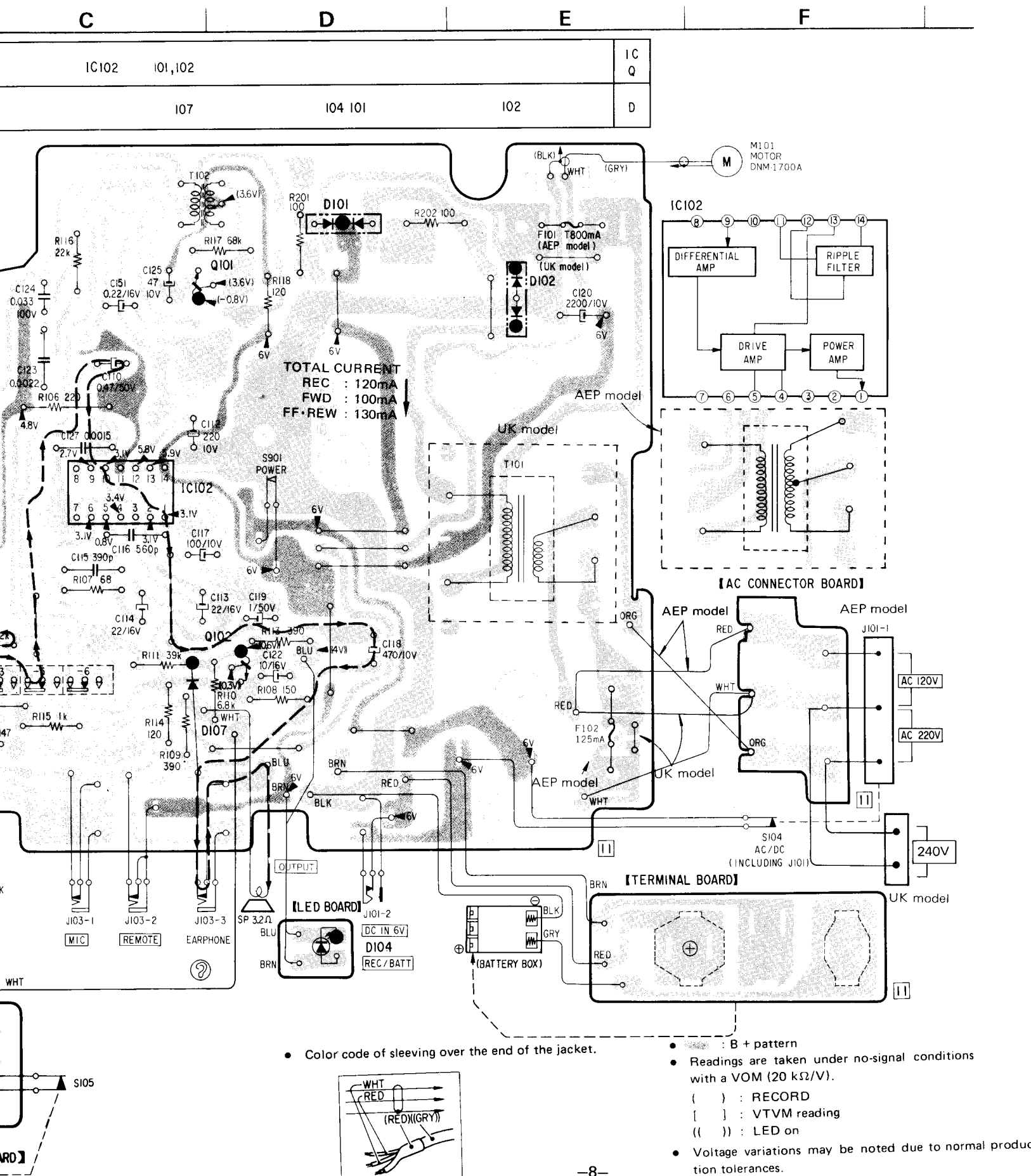
D104 : SLP131B



SECTION 4 DIAGRAMS



AEP, UK Model



B

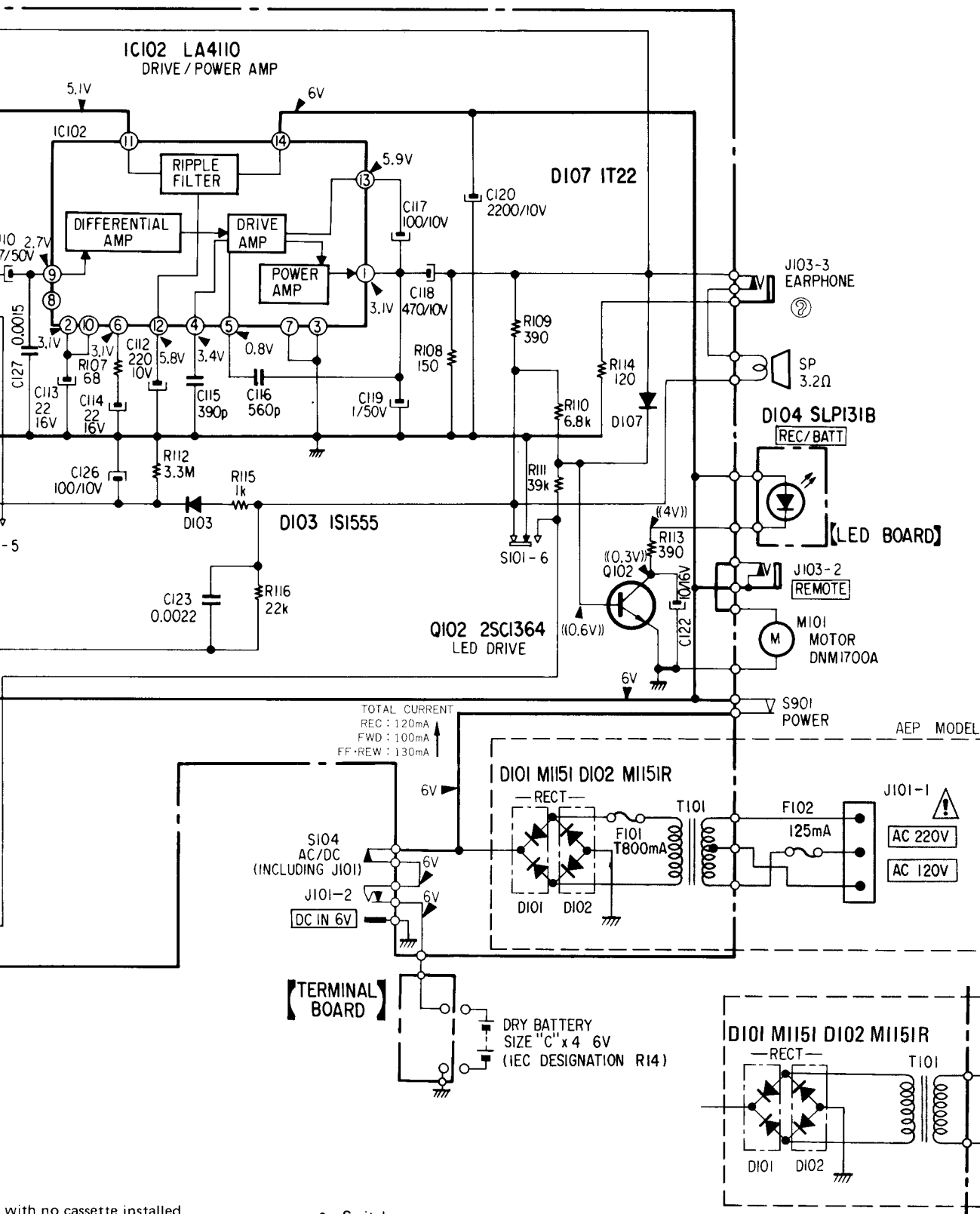
C

□



- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\text{F}$ 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega : 1000\Omega$; $\text{M}\Omega : 1000\text{k}\Omega$
-  : panel designation.
-  : B+ bus.

- 9 -



• Switch

Ref No.	Description	Position
S101	record/playback	playback
S104	AC/DC	ON
S901	power	ON

SECTION 4

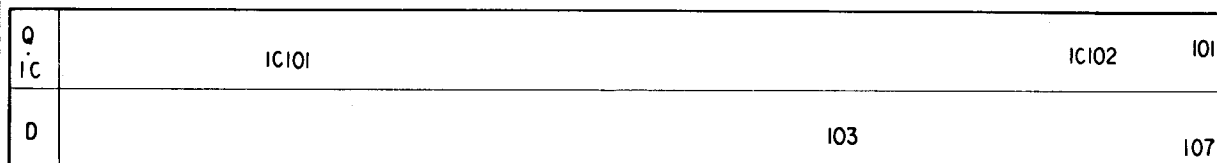
DIAGRAMS

– Conduct Side –

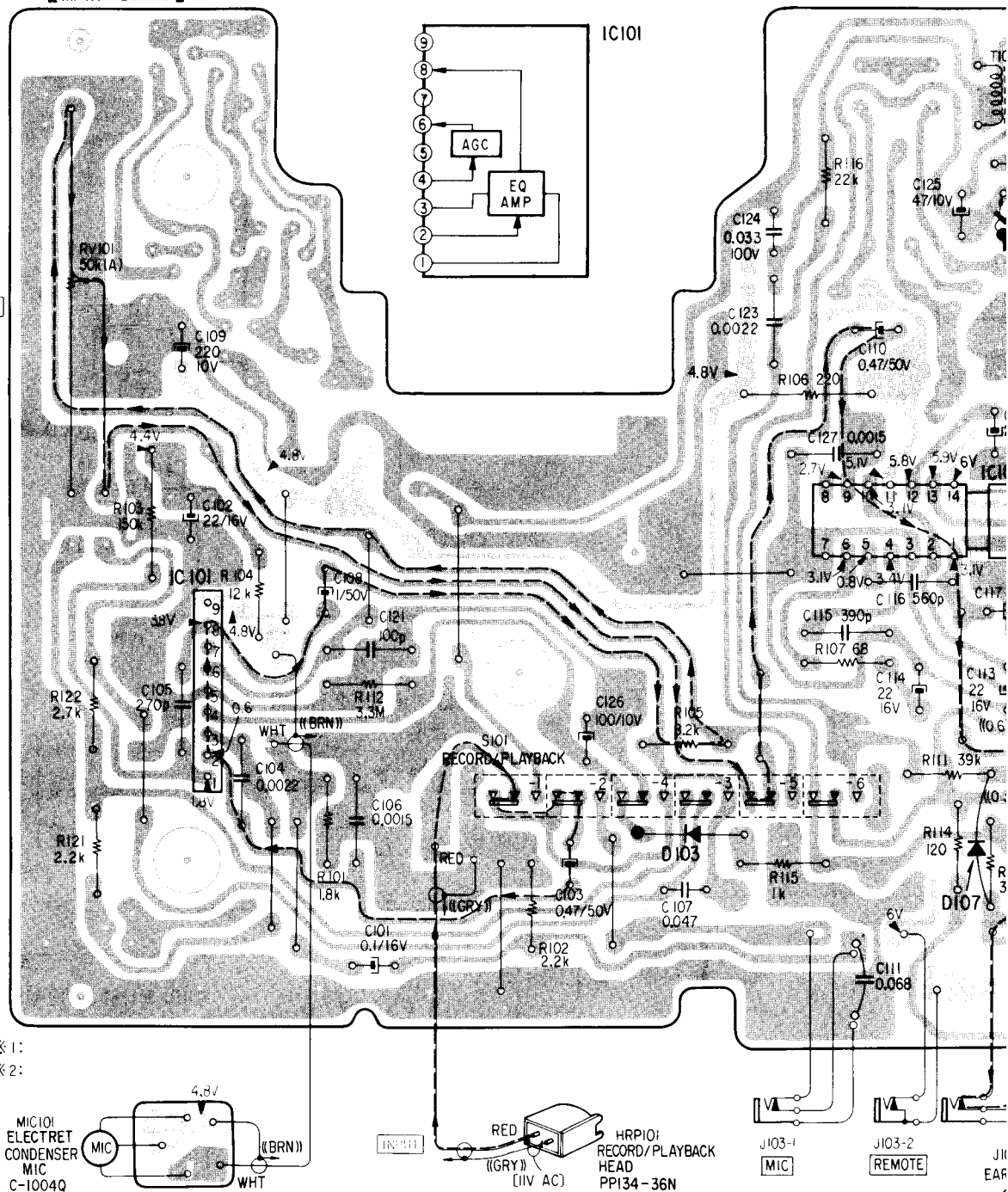
(Top view)

D107 : 1T22AM (1T22)

A schematic diagram of a vacuum tube. It consists of a central vertical cylinder. At the top of the cylinder is a small, shaded, bowl-shaped electrode labeled "cathode". At the bottom of the cylinder is a small, pointed electrode labeled "anode". Two thin lines extend from the top and bottom of the cylinder, representing electrical leads.



【MAIN BOARD】

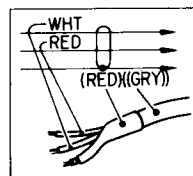


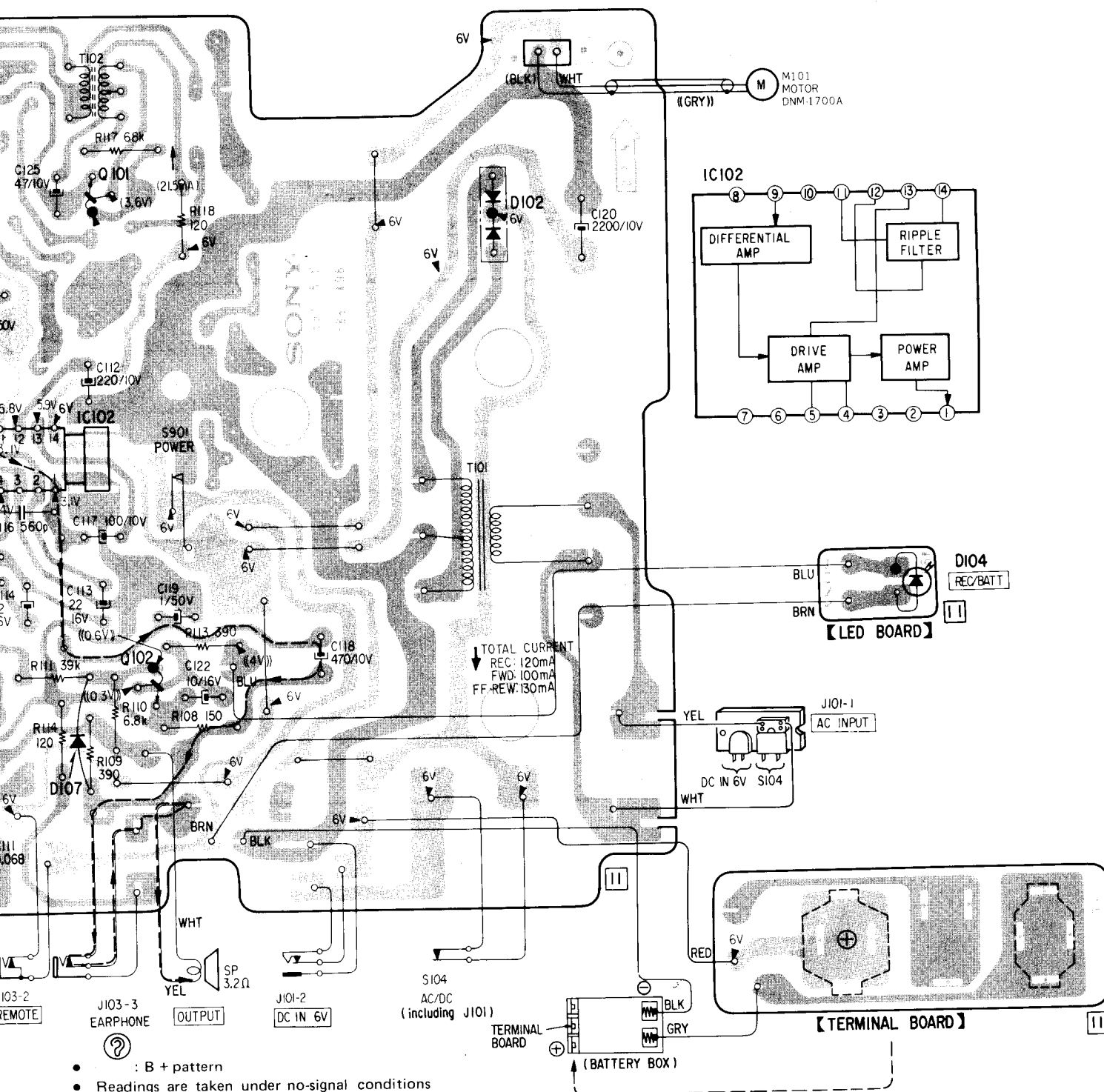
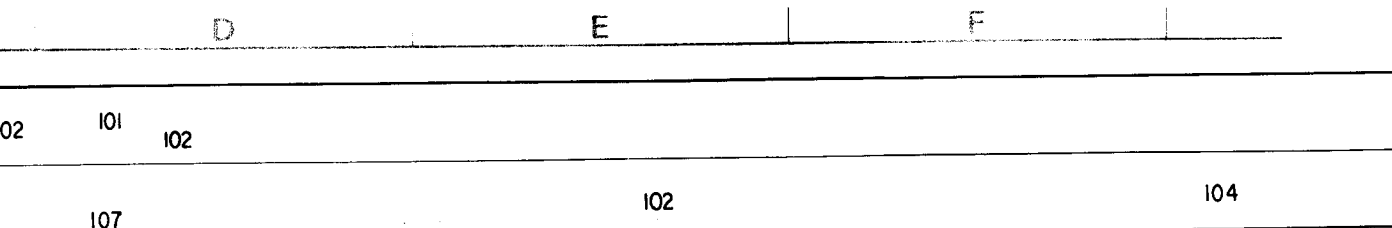
※1:
※2:

MIC101
ELECTRET
CONDENSER
MIC
C-1004Q

J103-
MICJ103-2
REMOTEJK
EAC

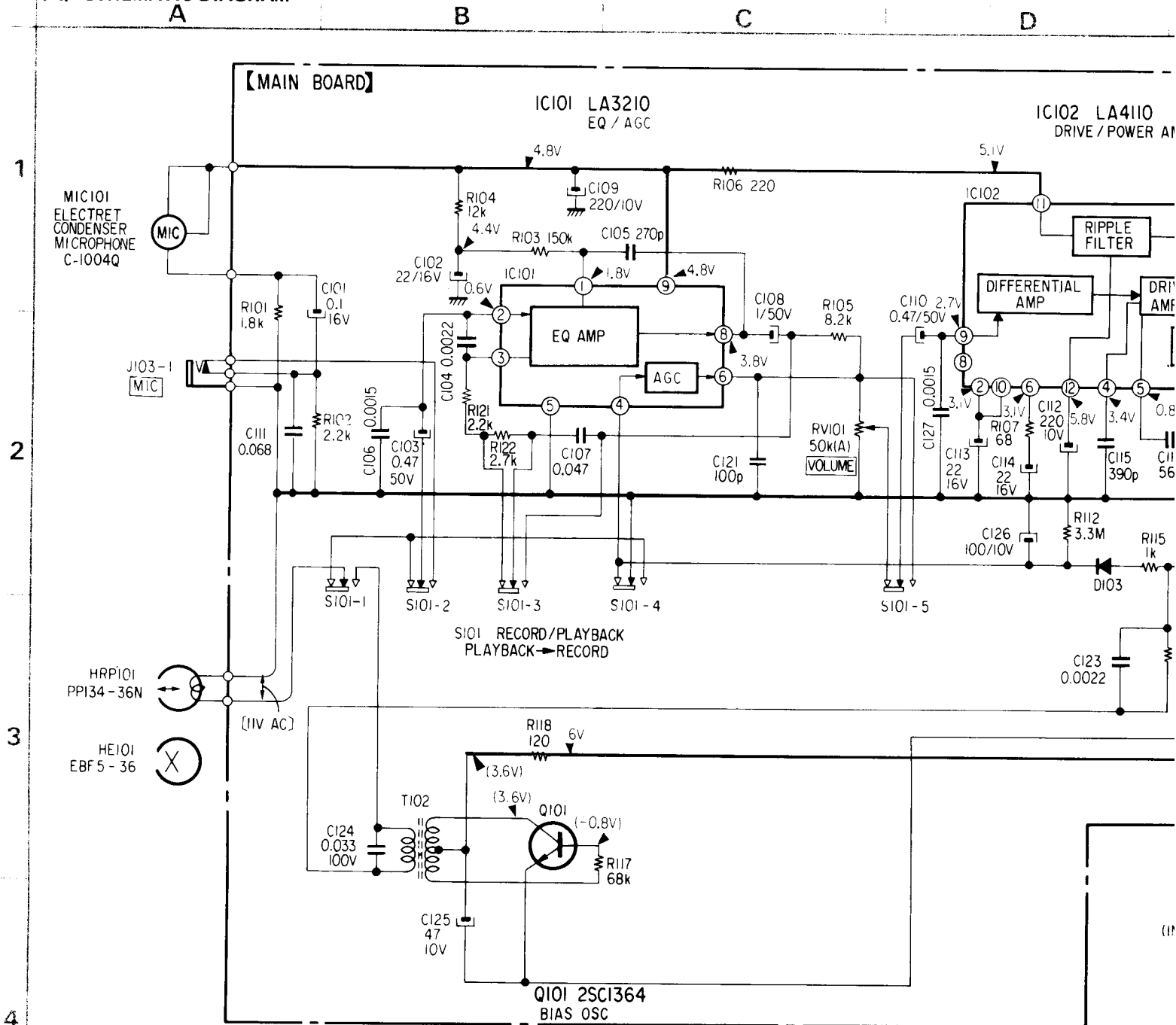
- Color code of sleeving over the end of the jacket.





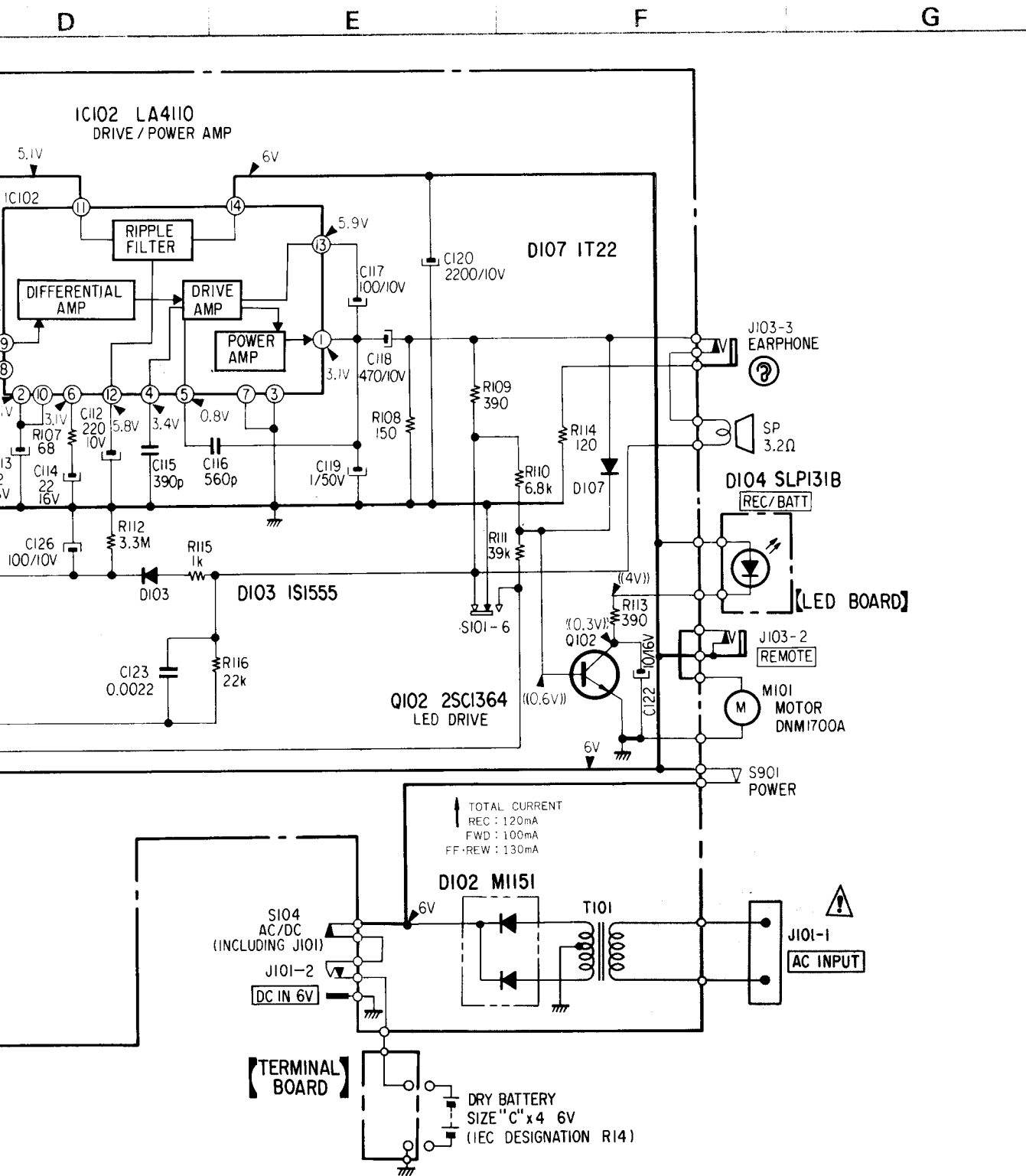
- : B + pattern
- Readings are taken under no-signal conditions with a VOM (20 kΩ/V).
- () : RECORD
- [] : VTVM reading
- (()) : LED on
- Voltage variations may be noted due to normal production tolerances.

4-4. SCHEMATIC DIAGRAM



- All capacitors are in μF unless otherwise noted. pF : μF
50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted.
 $\text{k}\Omega$: 1000Ω ; $\text{M}\Omega$: $1000\text{k}\Omega$
- : panel designation.
- : B+ bus.

- Total current is measured with no cassette installed.
- Readings are taken under no-signal conditions with a VOM (20 $\text{k}\Omega/\text{V}$).
- () : RECORD
- [] : VTVM reading
- (()) : LED on
- Voltage variations may be noted due to normal production tolerances.



red with no cassette installed.
nder no-signal conditions
,
ding
y be noted due to normal produc-

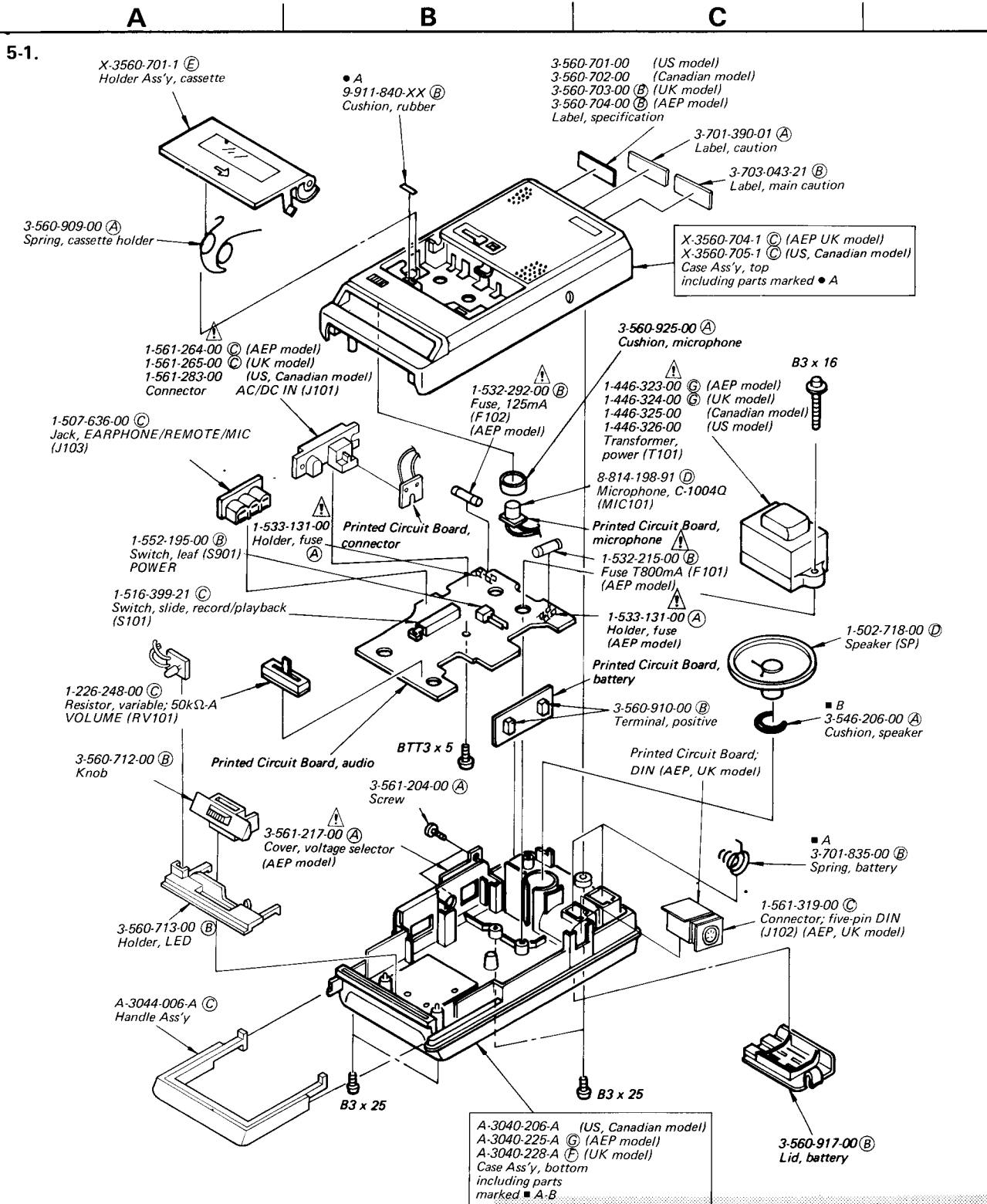
• Switch

Ref No.	Description	Position
S101	record/playback	playback
S104	AC/DC	ON
S901	power	ON

Note: Les composants identifiés par un tramé et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

SECTION 5 EXPLODED VIEWS



Note: Les composants identifiés par un tramé et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

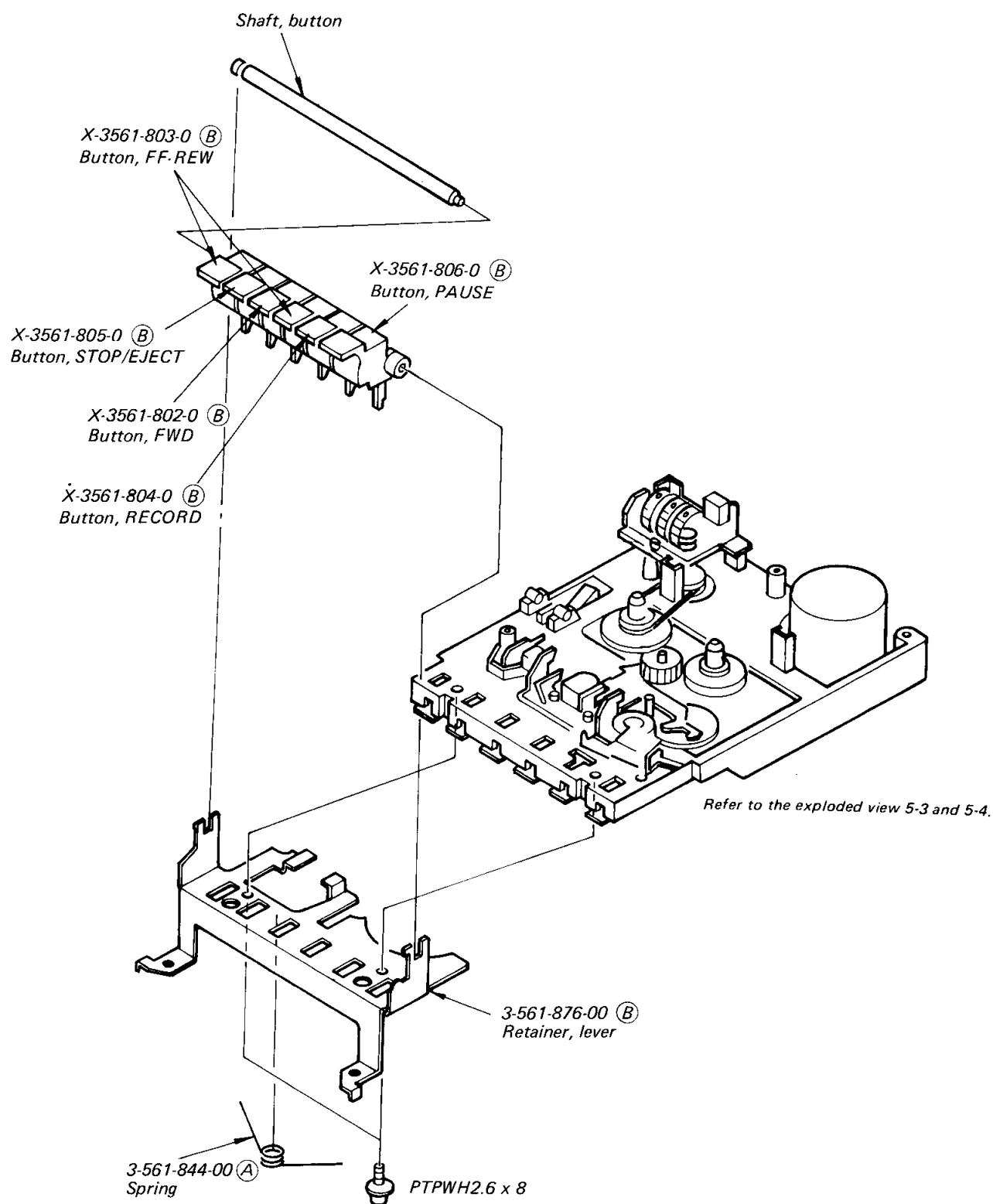
- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
(—) = slotted head
- Circled letters (A to Z) are applicable to European models only.

A

B

C

5-2.



- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
(-) = slotted head
- Circled letters (A to Z) are applicable to European models only.

A

B

C

D

5-3.

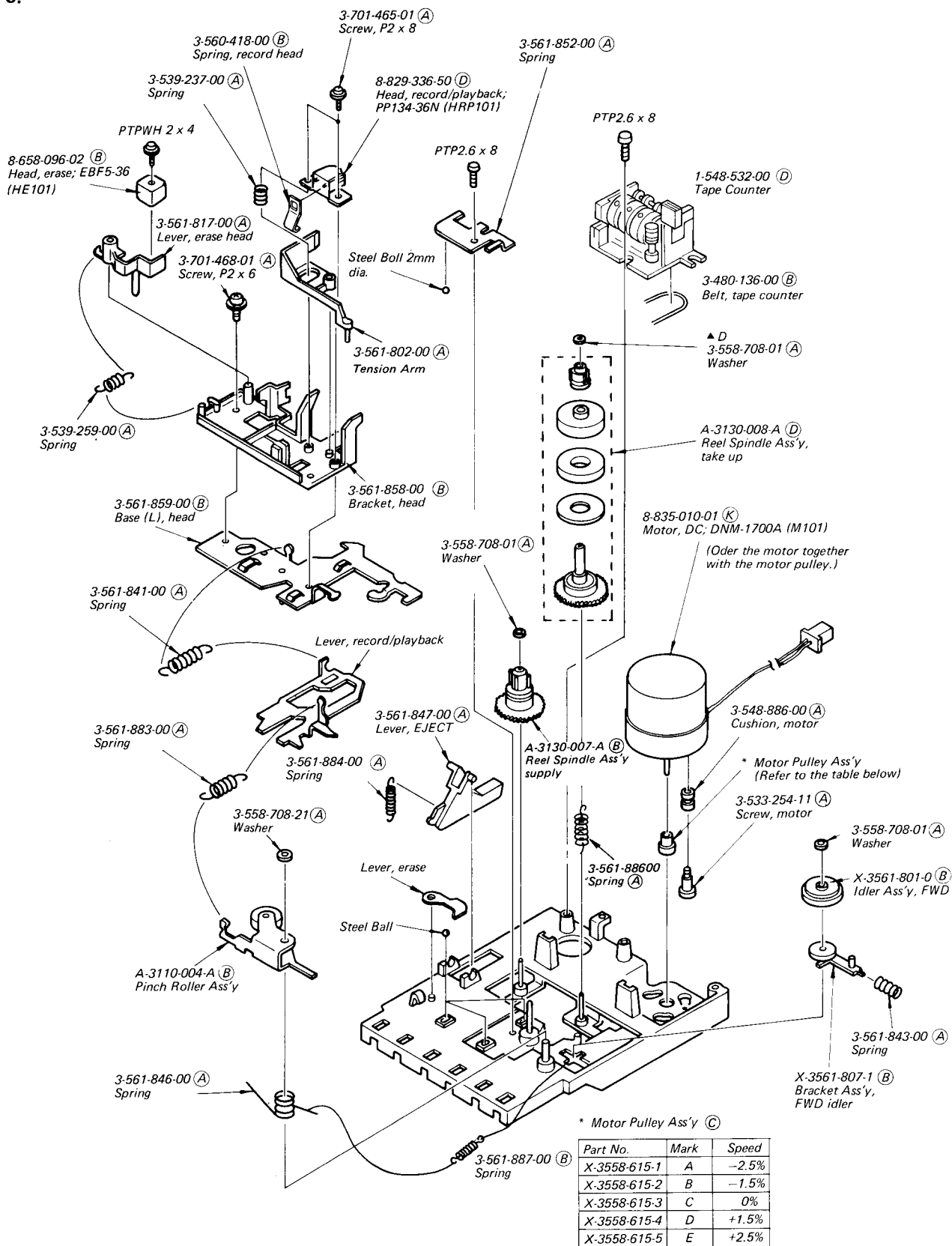
1

2

3

4

5



• Circled letters (A) to (Z) are applicable to European models only.

• Items with no part number and/or no description are not stocked because they are seldom required for routine service.

• All screws are Phillips (cross recess) type unless otherwise noted.

(-) = slotted head

Lever, recording prevention

-18-

SECTION 6 ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
----------	----------	-------------

SEMICONDUCTORS

Transistors

Q101, 102 8-729-663-47 (B) 2SC1364

ICs

IC101 8-759-832-10 (C) LA3210

IC102 8-759-841-10 (E) LA4110

Diodes

⇒ D101 8-719-500-34 (C) S3VC40 (AEP, UK model)

⇒ D102 8-7 19-500-34 S3VC40 (US, Canadian model)

⇒ D102 8-7 19-501-34 (C) S3VC40R (AEP, UK model)

⇒ D103 8-719-815-55 (B) 1S1555

D104 8-719-901-31 (B) SLPI31B

⇒ D107 8-719-422-21 (B) 1T22AM

CAPACITORS

All capacitors are in μF and ceramic unless otherwise noted.
50WV or less are not indicated except for electrolytics.
p : μF , elect : electrolytic

C101 1-131-451-00 (B) 0.1 16V tantalum

C102 1-123-317-00 (B) 22 16V elect

C103 1-123-351-00 (B) 0.47 50V elect

C104 1-102-121-00 (B) 0.0022

C105 1-102-1 11-00 (A) 270p

C106 1-102-119-00 (A) 0.0015

C107 1-108-246-00 (B) 0.047 mylar

C108 1-123-352-00 (B) 1 50V elect

C109 1-123-308-00 (B) 220 10V elect

C110 1-123-351-00 (B) 0.47 50V elect

C111 1-108-249-00 (B) 0.068 mylar

C112 1-123-308-00 (B) 220 10V elect

Cl 13, 114 1-123-317-00 (B) 22 16V elect

Cl 15 1-102-1 13-00 (A) 390p

Cl 16 1-102-115-00 (A) 560p

C117 1-123-307-00 (B) 100 10V elect

C118 1-123-310-00 (B) 470 10V elect

Cl 19 1-123-352-00 (B) 1 50V elect

Cl20 1-123-312-00 (B) 2200 10V elect

C121 1-102-106-00 (A) 100p

C122 1-123-316-00 (B) 10 16V elect

Cl23 1-102-121-00 (B) 0.0022

Cl 24 1-108-383-00 (B) 0.033 100V mylar

- ⇒ : Due to standardization, interchangeable replacements may be substituted for parts Specified in the diagrams.

Ret. No.	Part No.	Description
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Cl25 1-123-306-00 (B) 47 10V elect

Cl26 1-123-307-00 (B) 100 10V elect

Cl27 1-102-1 19-00 (A) 0.0015

RESISTORS

- All resistors are in ohms. Common $\frac{1}{4}\text{W}$ carbon resistors are omitted. Refer to the list on the last page for their part numbers.

R112 1-202-467-00 (A) 3.3M $\frac{1}{4}\text{W}$ composition

RV101 1-226-248-00 (C) 50K-A, variable; VOLUME

MISCELLANEOUS

△ F101 1-532-215-00 (B) Fuse, T 800mA (AEP model)

△ F102 1-532-292-00 (B) Fuse, 125mA (AEP model)

HE101 8-658-096-02 (B) Head, eraser; EBF 5-36

HRP101 8-829-336-50 (D) Head, record/playback; PP134-36N

△ J101 { 1-561-264-00 (C) Connector, 3p, AC/DCIN (AEP model)
1-561-265-00 (C) Connector 2p, AC/DC IN (UK model)
1-561-283-00 (C) Connector 2p, AC/DC IN
(US, Canadian model)

5102 1-561-319-00 (C) Jack, five-pin DIN; including S105
(AEP, UK model)

5103 1-507-636-00 (C) Jack, earphone/REMOTE/MIC

M101 8-835-010-01 (K) Motor, DNM-1700A

MIC101 8-814-198-91 (D) Microphone, C-1 0044

S101 1-5 16-399-2 1 (C) Switch, slide ; record/playback

S901 1-552-195-00 (B) Switch, leaf ; power

SP 1-502-718-00 (D) Speaker, 3.2Ω

△ T101 { 1-446-323-00 (C) Transformer, power (AEP model)
1-446-324-00 (C) Transformer, power (UK model)
1-446-325-00 Transformer, power
(Canadian model)
1-446-326-00 Transformer, power (US model)

T102 1-433-105-11 (B) Transformer, bias OSC

△ 1-533-131-00 (A) Holder, fuse (AEP model)

- Circled letters (A to Z) are applicable to European models only.

Note: The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pike portant le numéro spécifié.

- Circled letters (A) to (Z) are applicable to European models only.

ACCESSORIES AND PACKING MATERIALS

Part No.	Description		
1-504-055-00	(B) Earphone (AEP model)	3-701-625-00	(A) Bag, plastic
(A) 1-534-840-12	(F) Cord, power; DK-38 (AEP model)	3-701-684-11	(A) Card, voltage (AEP model)
(A) 1-551-218-11	(E) Cord, power; DK-50 (UK model)	3-770-783-11	(C) Manual Instruction (AEP, UK model)
(A) 1-551-504-11	Cord, power, (US, Canadian model)	3-770-783-21	Manual Instruction (US, Canadian model)
3-546-434-00	(B) Bag, plastic	3-794-434-31	Manual Instruction, french (Canadian model)
3-560-716-00	(B) Box, accessories	3-793-828-11	(B) Card, cassette caution
3-560-717-00	(B) Cushion	8-890-205-00	(D) Tape, C-30 (US, AEP, UK model)
3-560-721-00	(C) Carton (AEP, UK model)	8-890-23600	Tape, LNX-30 (Canadian model)
3-560-726-00	Carton (US, Canadian model)		

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

1/4 WATT CARBON RESISTORS (A)

Note: Circled letter (A) is applicable to European models only.

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00	1.0M	1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-478-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-479-00	18k	1-246-503-00	180k	1-246-527-00	1.8M	1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00	2.0M	1-210-820-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-481-00	22k	1-246-505-00	220k	1-246-529-00	2.2M	1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		

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