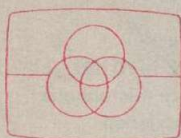


TC-K35

PRELIMINARY

US Model
Canadian Model
AEP Model
UK Model



Free service manuals
Gratis schema's

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'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories. Noise reduction system manufactured under license from Dolby Laboratories.

STEREO CASSETTE DECK

SPECIFICATIONS

GENERAL

Power Requirements: US, Canadian model:
120 V ac, 60 Hz
AEP model:
220 V ac ~, 50/60 Hz
(or 240 V ac by internal rewiring)
UK model:
240 V ac ~, 50/60 Hz
(or 220 V ac by internal rewiring)

Power Consumption: 10 W (US, Canadian model)
12 W (AEP, UK model)

Dimensions: US, AEP, UK model:
approx. 430 (w) x 130 (h) x 290 (d) mm
17 (w) x 5 1/8 (h) x 11 1/2 (d) inches
Canadian model:
approx. 460 (w) x 130 (h) x 290 (d) mm
18 1/8 (w) x 5 1/8 (h) x 11 1/2 (d) inches
including projecting parts and controls

— Continued on page 2 —

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS 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 UN TRAMÉ ET UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES, LES VUES EXPLOSÉES 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 DES SUPPLÉMENTS PUBLIÉS PAR SONY.

Tape Transport Mechanism Type		TCM-91V2
	Specification	Test Equipment
Forward Torque	28 — 55 g·cm (0.39 — 0.76 oz·inch)	Sony torque meter CQ-102
Fast Forward Torque	60 — 120 g·cm (0.84 — 1.66 oz·inch)	Sony torque meter CQ-201
Rewind Torque		
Back Tension Torque	2.0 — 4.5 g·cm (0.03 — 0.06 oz·inch)	Sony torque meter CQ-102
Pinch Roller Pressure	310 — 390 g (11 — 13 oz)	spring scale or tension gauge

SONY
SERVICE MANUAL

Weight: US, AEP, UK model:
approx. 5.8 kg, 12 lb 13 oz
Canadian model:
approx. 6.6 kg, 14 lb 9 oz

TAPE RECORDER SECTION

Recording System: 4-track 2-channel stereo

Fast-forward and Rewind Time: Approx. 90 sec. (with C-60)

Frequency Response: DOLBY NR OFF
US, Canadian model:
• With TYPE III cassette (Sony Fe-Cr)
20 – 17,000 Hz
30 – 15,000 Hz (± 3 dB)
• With TYPE II cassette (Sony EHF)
20 – 17,000 Hz
30 – 15,000 Hz (± 3 dB)
• With TYPE I cassette (Sony HFX)
20 – 15,000 Hz
AEP, UK model:
• With TYPE III cassette (Sony Fe-Cr)
20 – 17,000 Hz
30 – 15,000 Hz (± 3 dB)
30 – 15,000 Hz (DIN)
• With TYPE II cassette (Sony CD- α)
20 – 17,000 Hz
30 – 15,000 Hz (± 3 dB)
30 – 15,000 Hz (DIN)
• With TYPE I cassette (Sony BHF)
20 – 15,000 Hz
30 – 13,000 Hz (DIN)

Wow and Flutter: 0.05 % WRMS (US, Canadian model)
0.05 % WRMS (NAB) } (AEP, UK model)
 ± 0.14 % (DIN)

S/N Ratio: DOLBY NR OFF
US, Canadian model:
• With TYPE III cassette (Sony Fe-Cr)
58 dB at peak level
• With TYPE II cassette (Sony EHF)
56 dB at peak level
AEP, UK model:
• With TYPE III cassette (Sony Fe-Cr)
58 dB at peak level (NAB)
56 dB (DIN, 1975 rev.)
• With TYPE II cassette (Sony CD- α)
56 dB at peak level (NAB)

DOLBY NR ON
Improved 5 dB at 1 kHz,
10 dB above 5 kHz

Total Harmonic Distortion: 1.3 % (with Sony Fe-Cr cassette)

Bias Frequency: 105 kHz

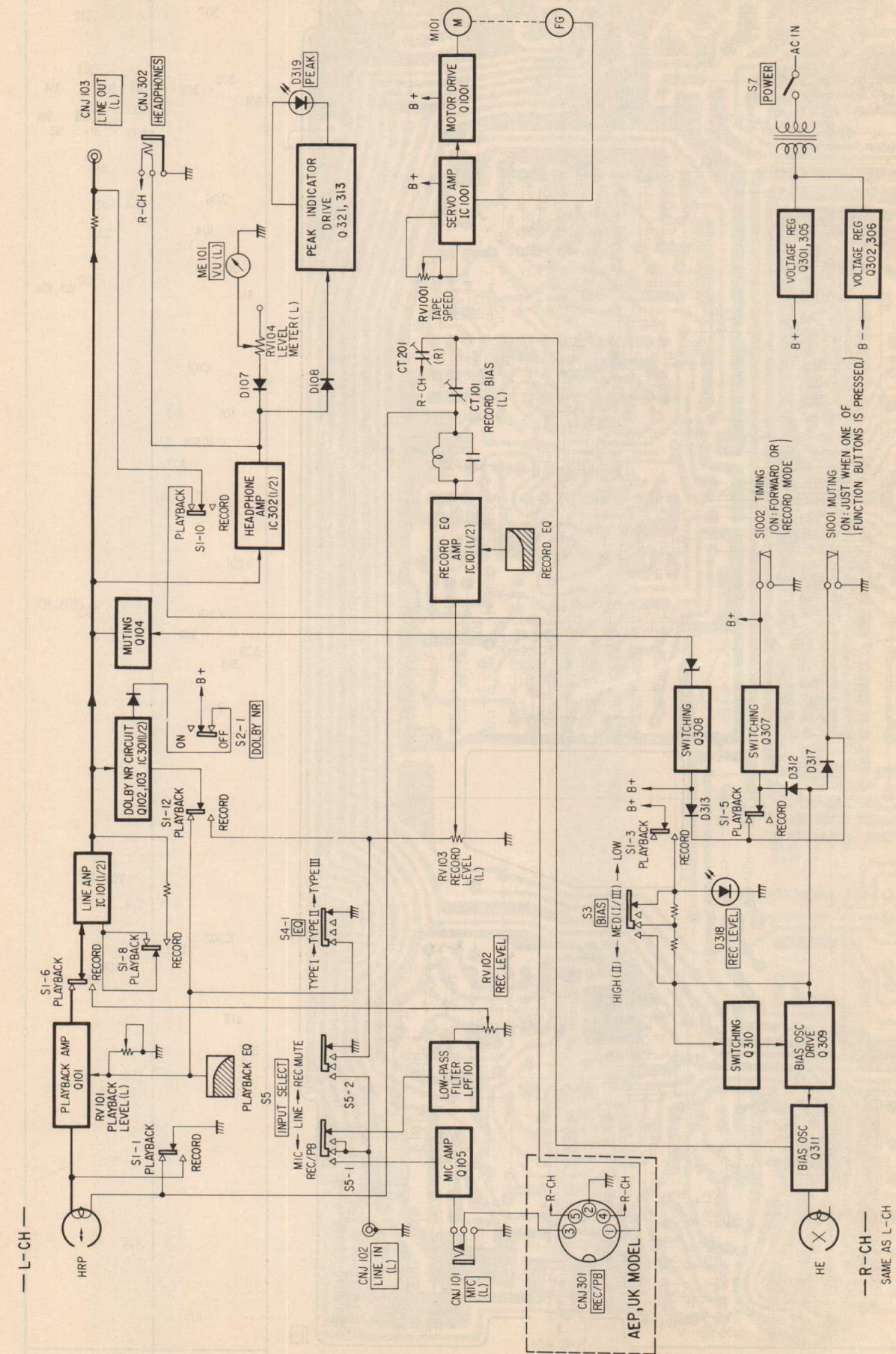
Inputs: MIC (two phone jacks)
sensitivity 0.25 mV (-70 dB)
for a low-impedance microphone
LINE IN (two phono jacks)
sensitivity 77.5 mV (-20 dB)
input impedance 50 k Ω
REC/PB (connector) . . . (AEP, UK model)
input impedance less than 10 k Ω

Outputs: LINE OUT (two phono jacks)
output level 0.435 V (-5 dB) at load
impedance 50 k Ω
suitable load impedance more than
10 k Ω
Headphone output (binaural jack)
output level -26 dB at load impedance
8 Ω
REC/PB (connector) . . . (AEP, UK model)
output impedance less than 10k Ω

$0 \text{ dB} = 0.775 \text{ V}$

Tape Transport		Tape Transport	
Test Equipment	Specifications	Test Equipment	Specifications
Sony torque meter	18 – 52.1 mN	Sony torque meter	18 – 52.1 mN
CO-192	(0.38 – 0.78 oz-in)	CO-192	(0.38 – 0.78 oz-in)
Sony torque meter	60 – 120 mN	Sony torque meter	60 – 120 mN
CO-207	(0.84 – 1.68 oz-in)	CO-207	(0.84 – 1.68 oz-in)
Sony torque meter	3.8 – 4.8 mN	Sony torque meter	3.8 – 4.8 mN
CO-103	(0.03 – 0.08 oz-in)	CO-103	(0.03 – 0.08 oz-in)
Sony scale	310 – 390 g	Sony scale	310 – 390 g
Balance Scale	11.7 – 13.0 g	Balance Scale	11.7 – 13.0 g

1. BLOCK DIAGRAM



1/4 WATT CARBON RESISTORS [Ⓐ]

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

Q	Part No.	Q	Part No.	Q	Part No.	Q	Part No.	Q	Part No.	Q	Part No.	Q	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:

—L: Length in mm
—D: Diameter in mm

— Indicated slotted-head only

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

Nut, Washer, Retaining ring:

N 3

— Diameter of usable screw or shaft
— Reference designation

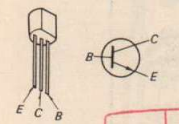
Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
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		braizer-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	

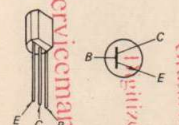
Replacement Semiconductors

For replacement, use semiconductors except in ().

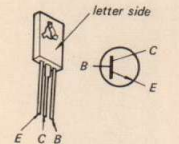
Q101, 201 }
Q102, 202 } : 2SC1345
Q105, 205 }
Q104, 204 : 2SC2001



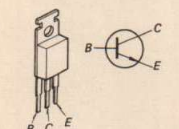
Q103, 203 }
Q305, 307 } : 2SC1364
Q308, 310 }
Q312, 313 }



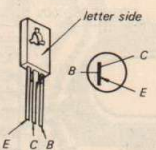
Q301 (US, Canadian model)
Q1001 } : 2SD414



Q301 (AEP, UK model): 2SC1061



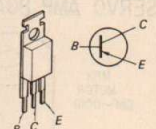
Q302 (US, Canadian model): 2SB548



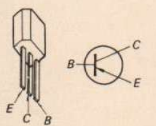
D101, 201	}	: 1S1555 (1T40)
D103, 203		
D108, 208		
D305, 311-313	}	
D317		
D102, 202	}	: 1T22AM (1T22)
D107, 207		
D301-304	}	: 10E2
D307, 308		
D315		
D314		: RD3.0E (RD3.0E-B)



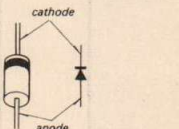
Q302 (AEP, UK model): 2SA671



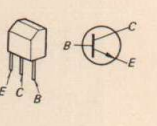
Q306, 309: 2SA1027R (2SA1026)



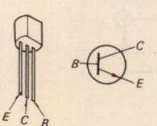
D309, 310, 316: HZ6B2L
(HZ6B1L)



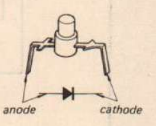
Q311: 2SC1475 ! (2SC1213A)



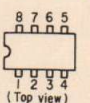
(2SC1213A)



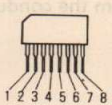
D318, 319: SEL103R



IC101, 201 : NJM4560D
IC301 : μ PC4556C
IC302 : μ PC4557C

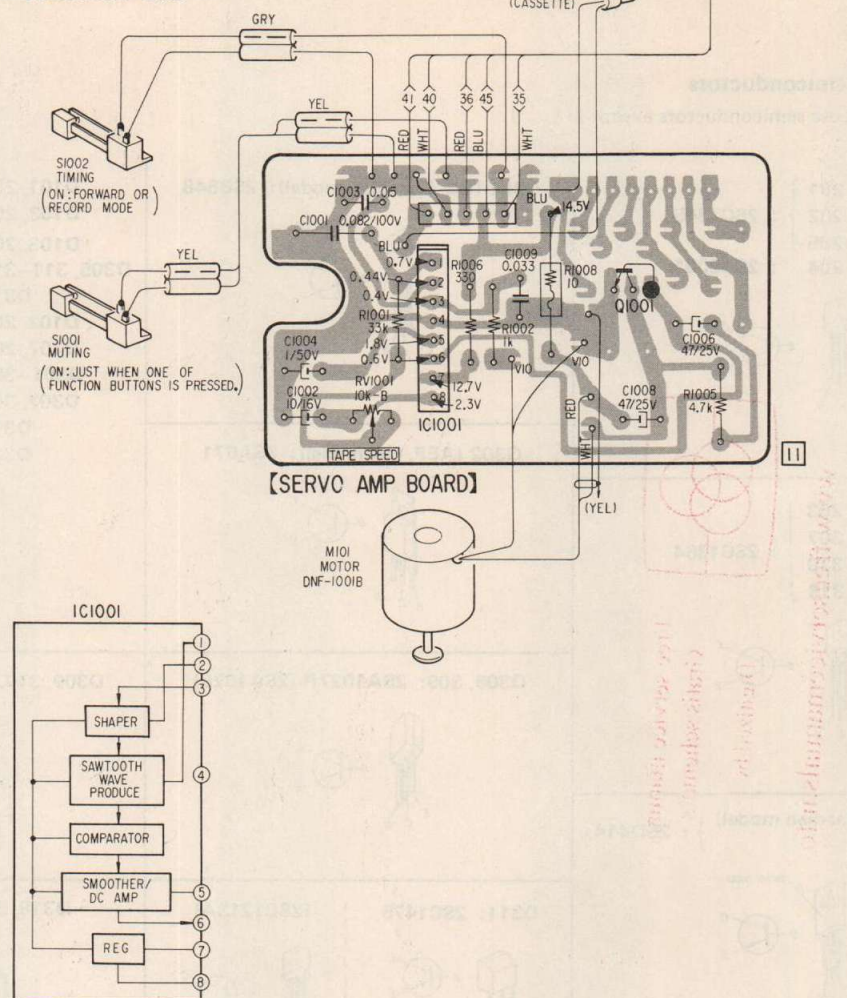


IC1001: CX069

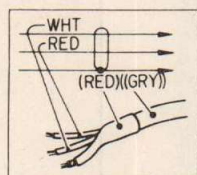


2. MOUNTING DIAGRAM Replacement Semiconductors : See page 5.

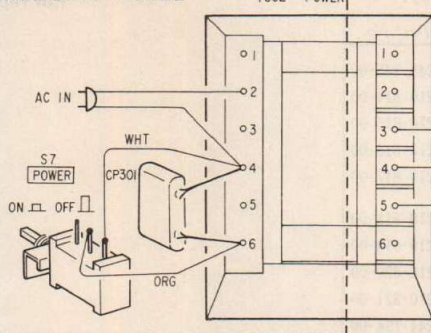
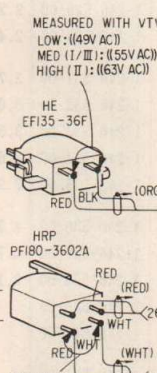
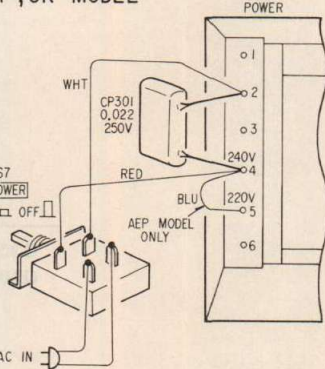
— Conductor Side —

**Note:**

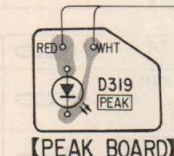
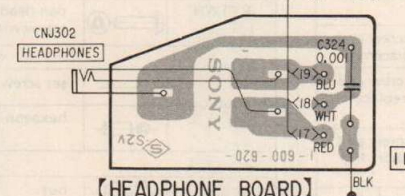
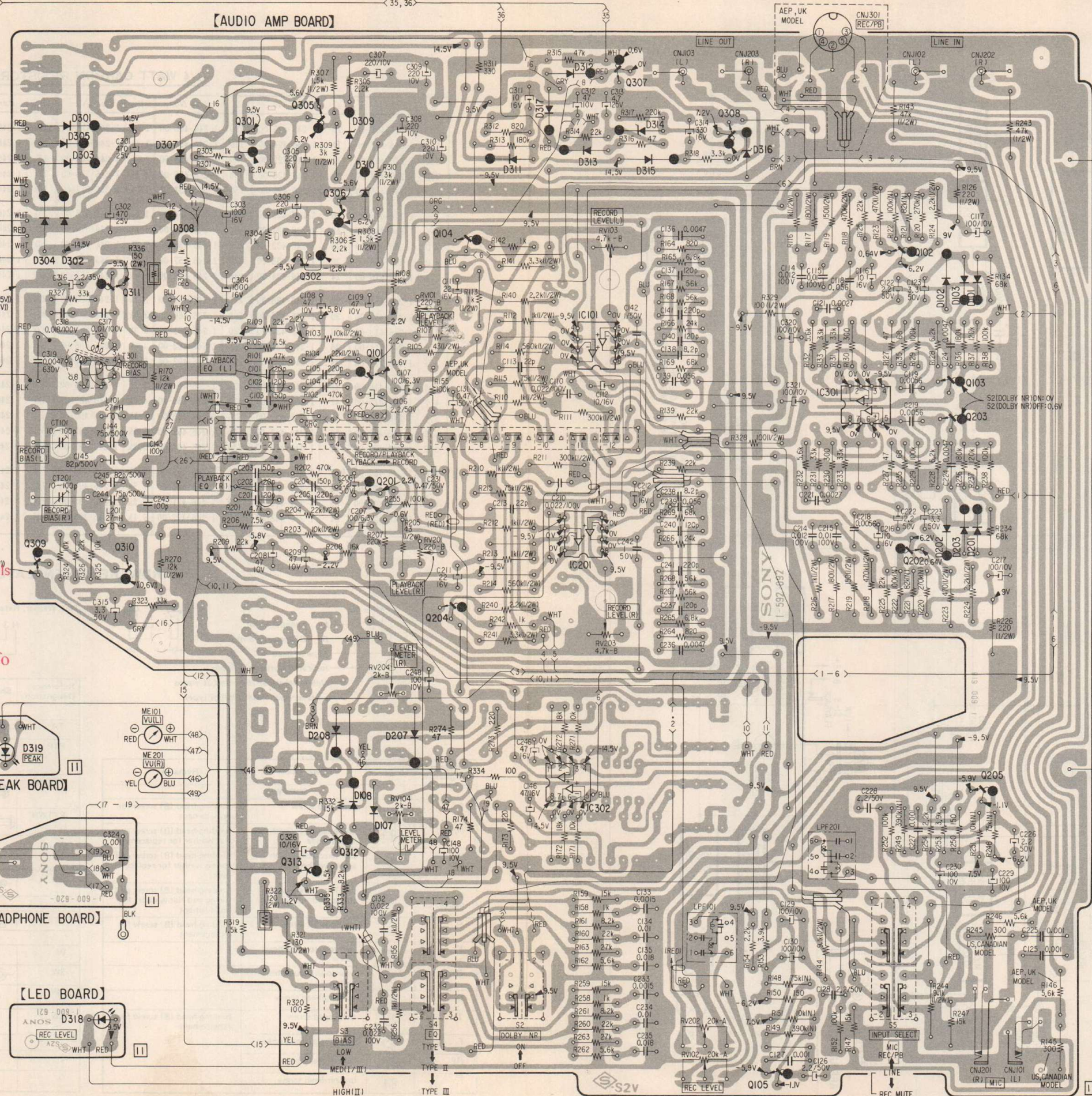
- Color code of sleeving over the end of the jacket.

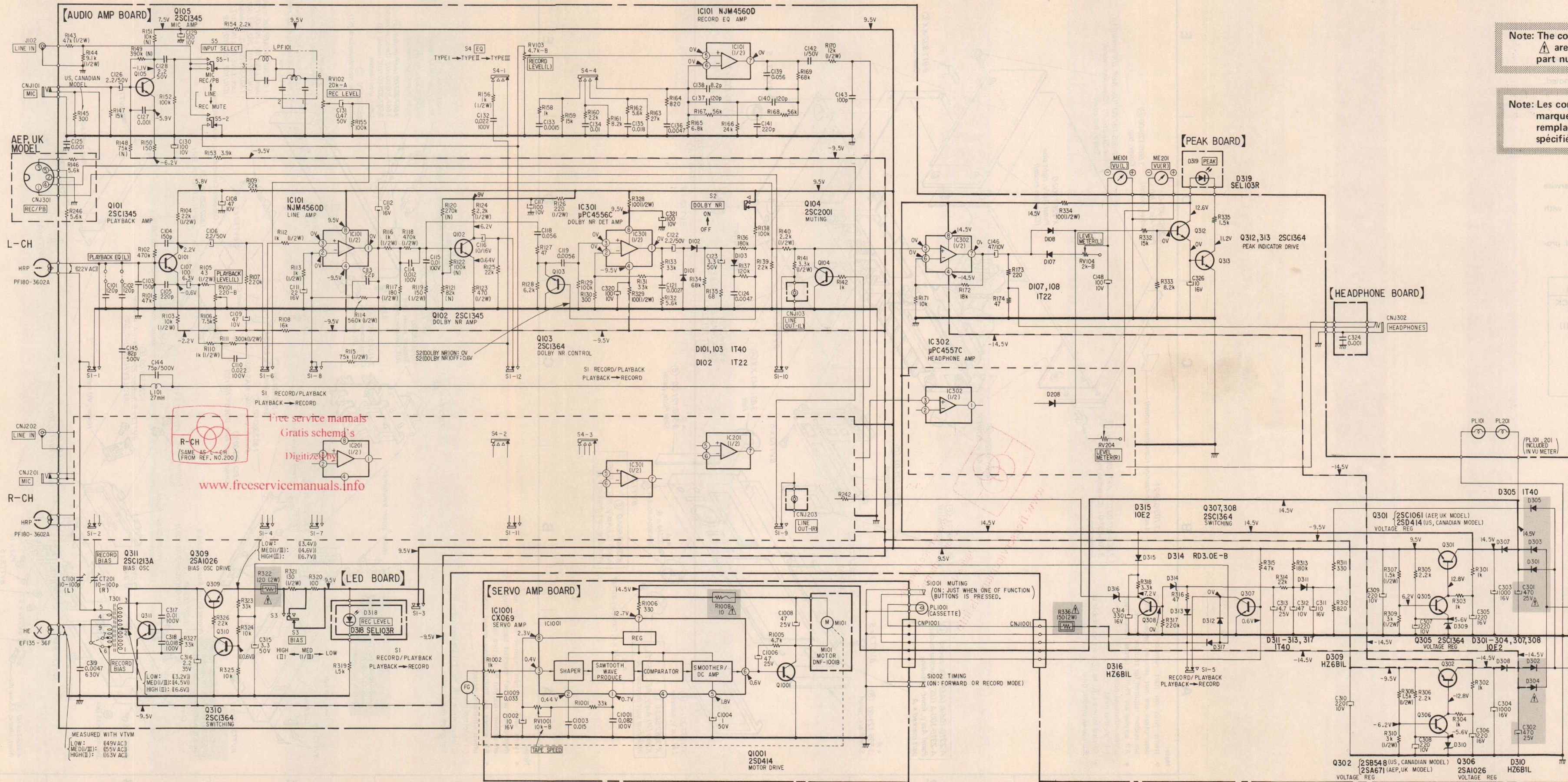


- — : parts extracted from the component side.
- — : parts extracted from the conductor side.

US, CANADIAN MODEL**AEP, UK MODEL**

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www.freesevicemanuals.info**[HEADPHONE BOARD]****[LED BOARD]**

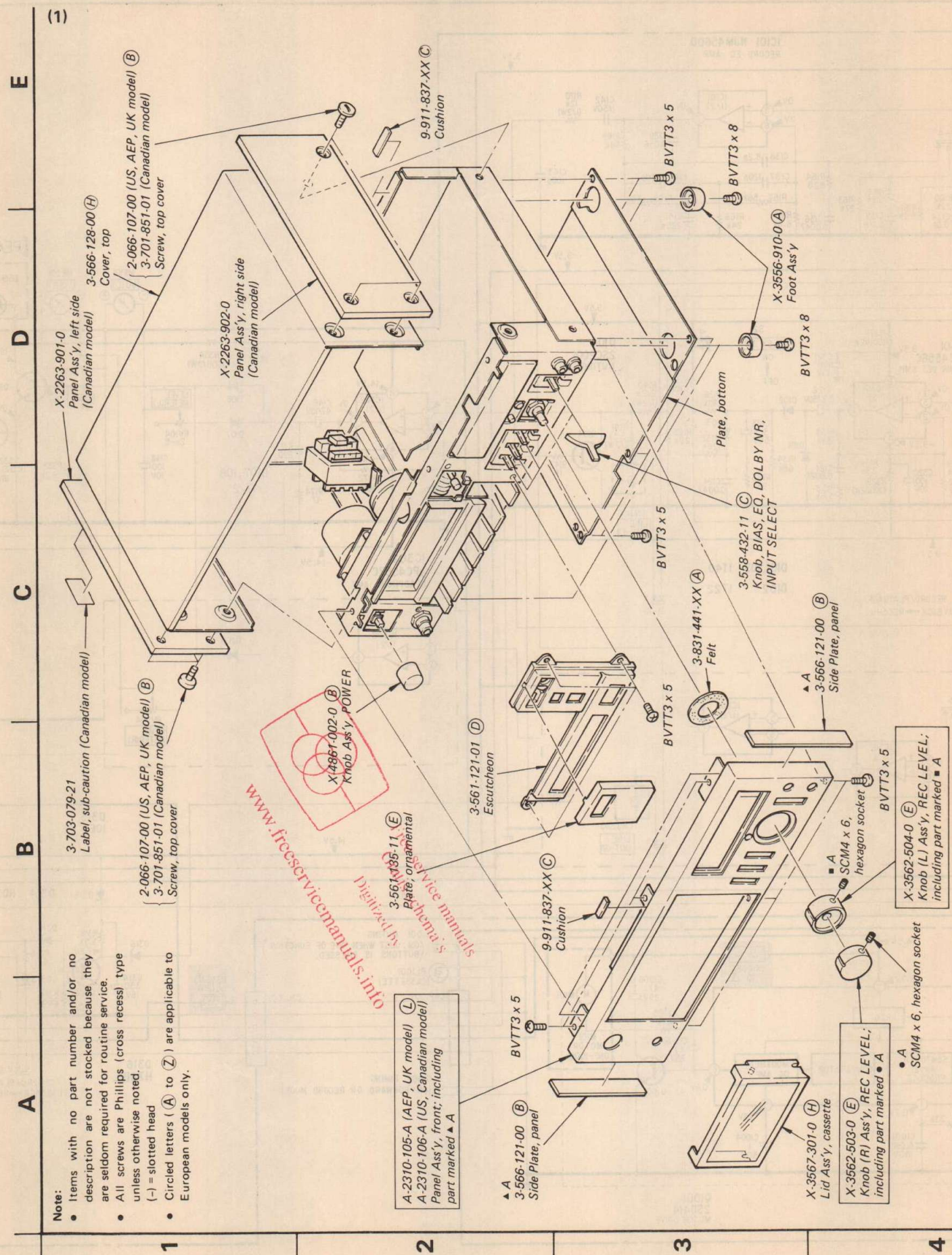


Note:

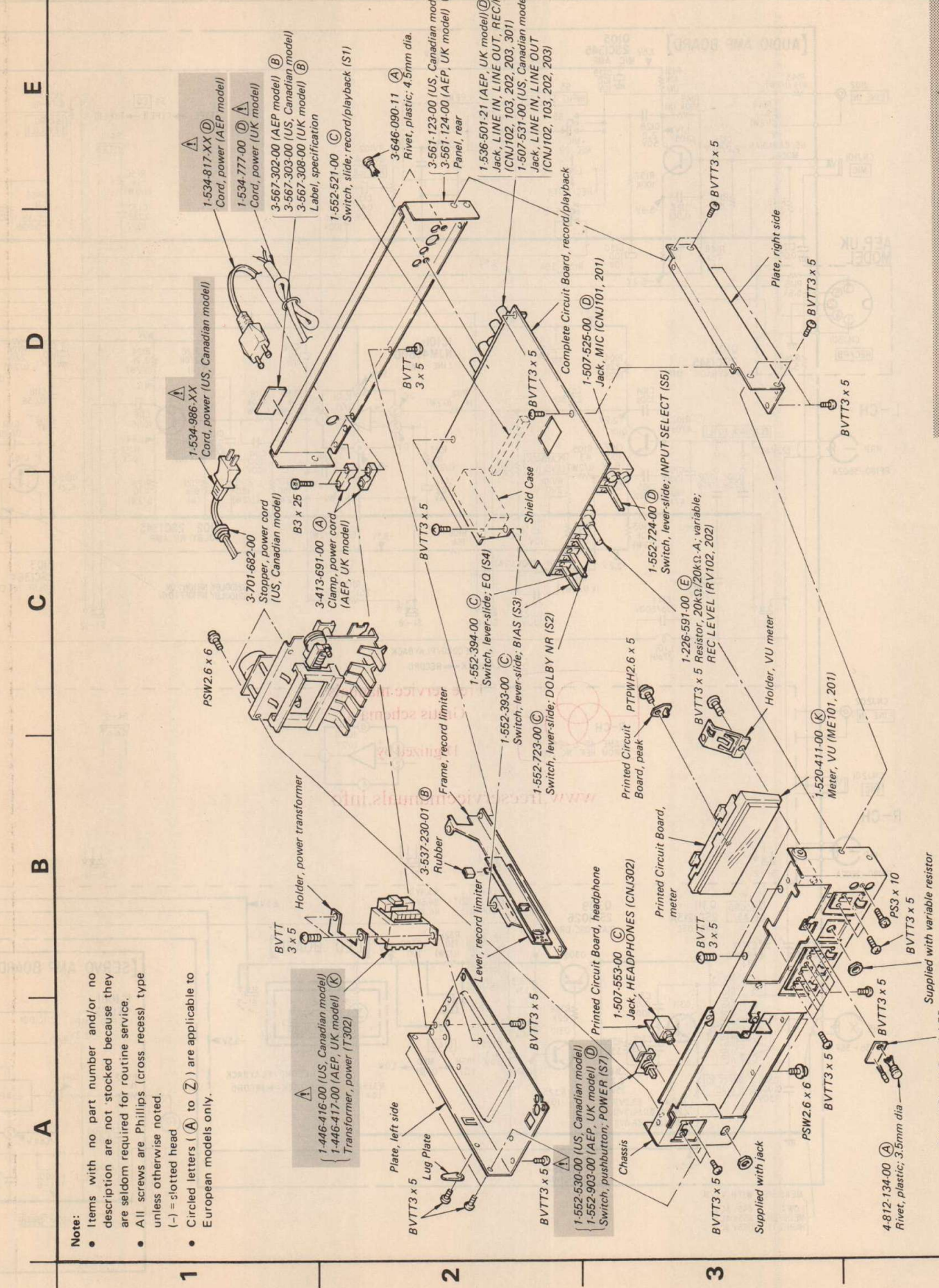
- Components for right channel have same values as for left channel. Reference numbers are coded from 200.
- All capacitors are in μF unless otherwise noted. $\text{pF} = \mu\text{F}$ 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega : 1000\Omega$, $\text{M}\Omega : 1000\text{k}\Omega$
- : nonflammable resistor.
- : fusible resistor.
- (N) : low-noise resistor.
- — : B+ bus.
- - - - : B- bus.
- : panel designation.
- : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no signal conditions with a VOM (20k Ω /V).
- (()) : RECORD
- Voltage variations may be noted due to normal production tolerances.
- Switch

Ref. No.	Switch	Position
S1-1 to 1-12	RECORD/PLAYBACK	PLAYBACK
S2-1, 2	DOLBY NR	OFF
S3	BIAS	MED (I/III)
S4-1 to 4-4	EQ	TYPE I
S5-1 to 5-4	INPUT SELECT	LINE
S7	POWER	OFF
S1001	MUTING	OFF
S1002	TIMING JNTER	OFF

4. EXPLODED VIEWS



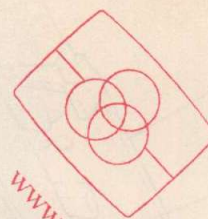
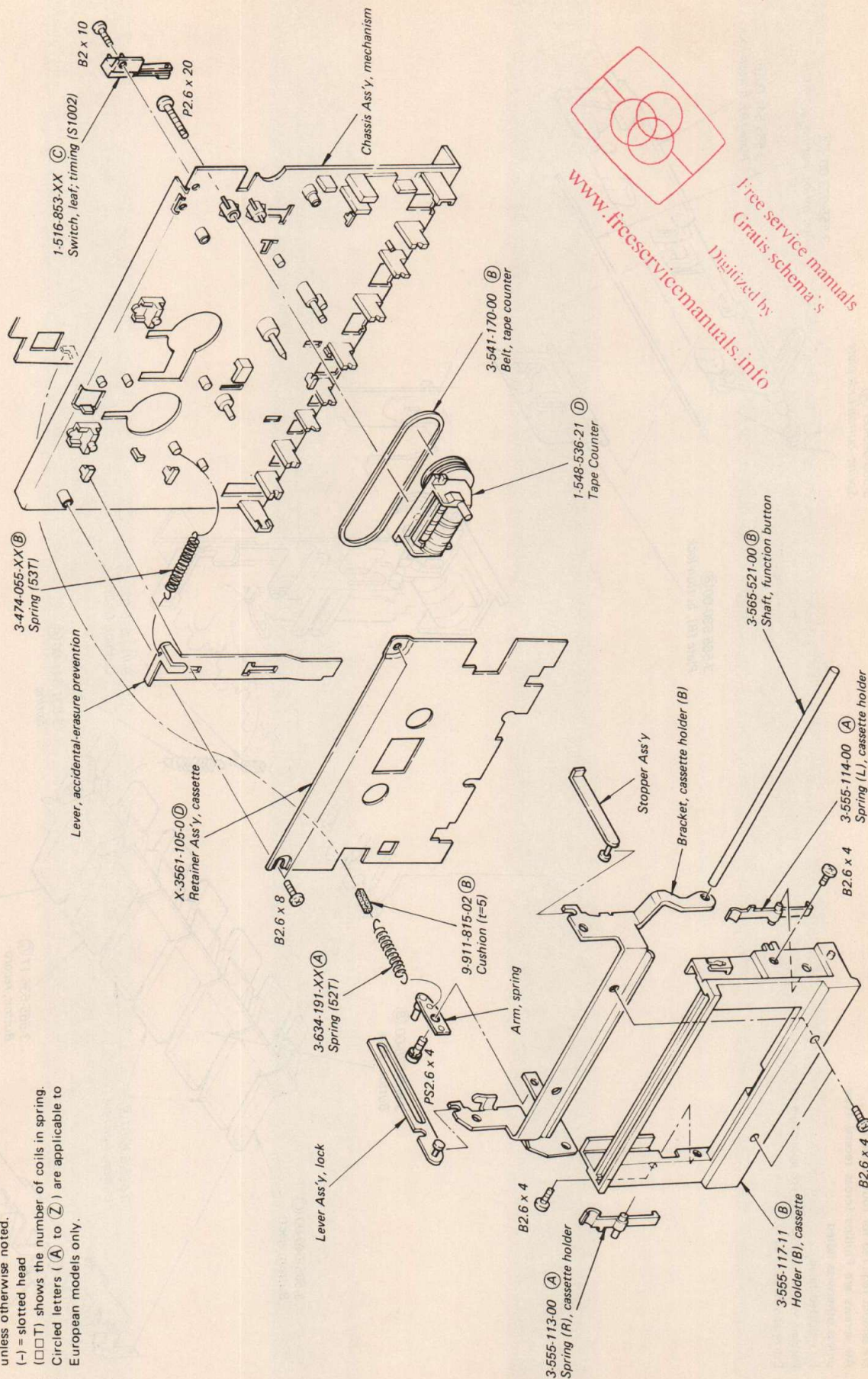
(2)



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 spécifique.

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

(3)



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A

B

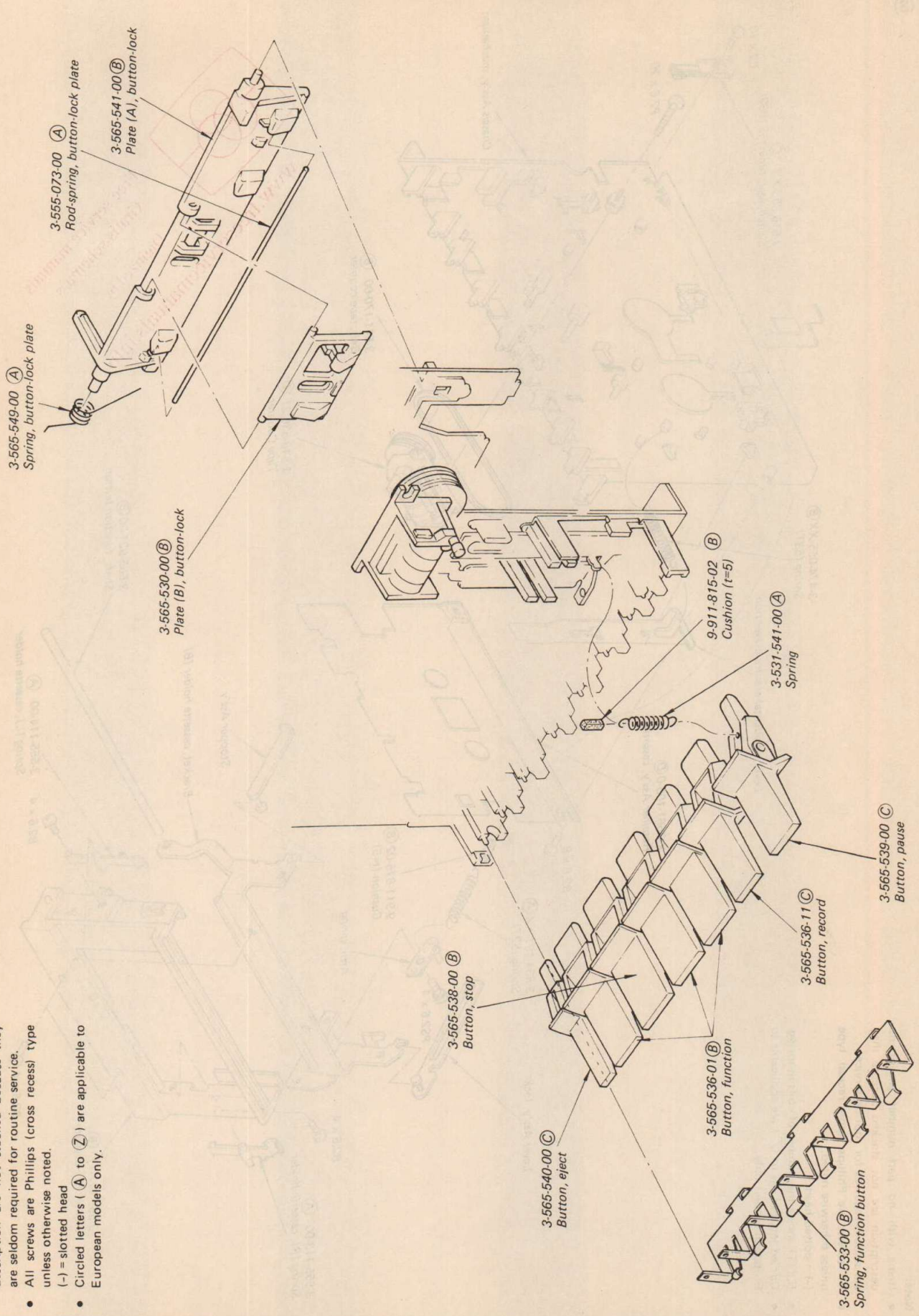
C

D

E

(4)

- Note:
- 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

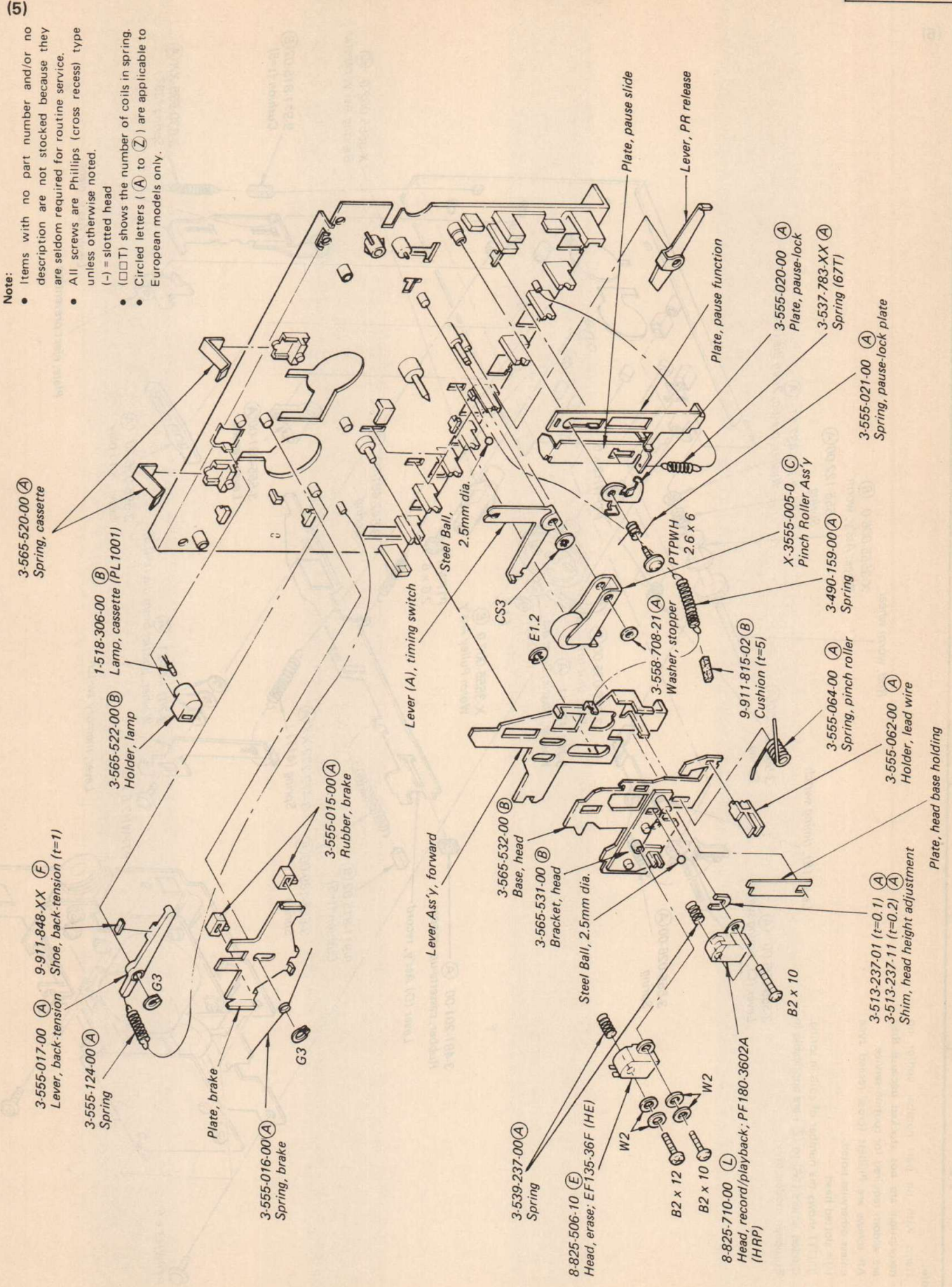
C

D

E

(5)

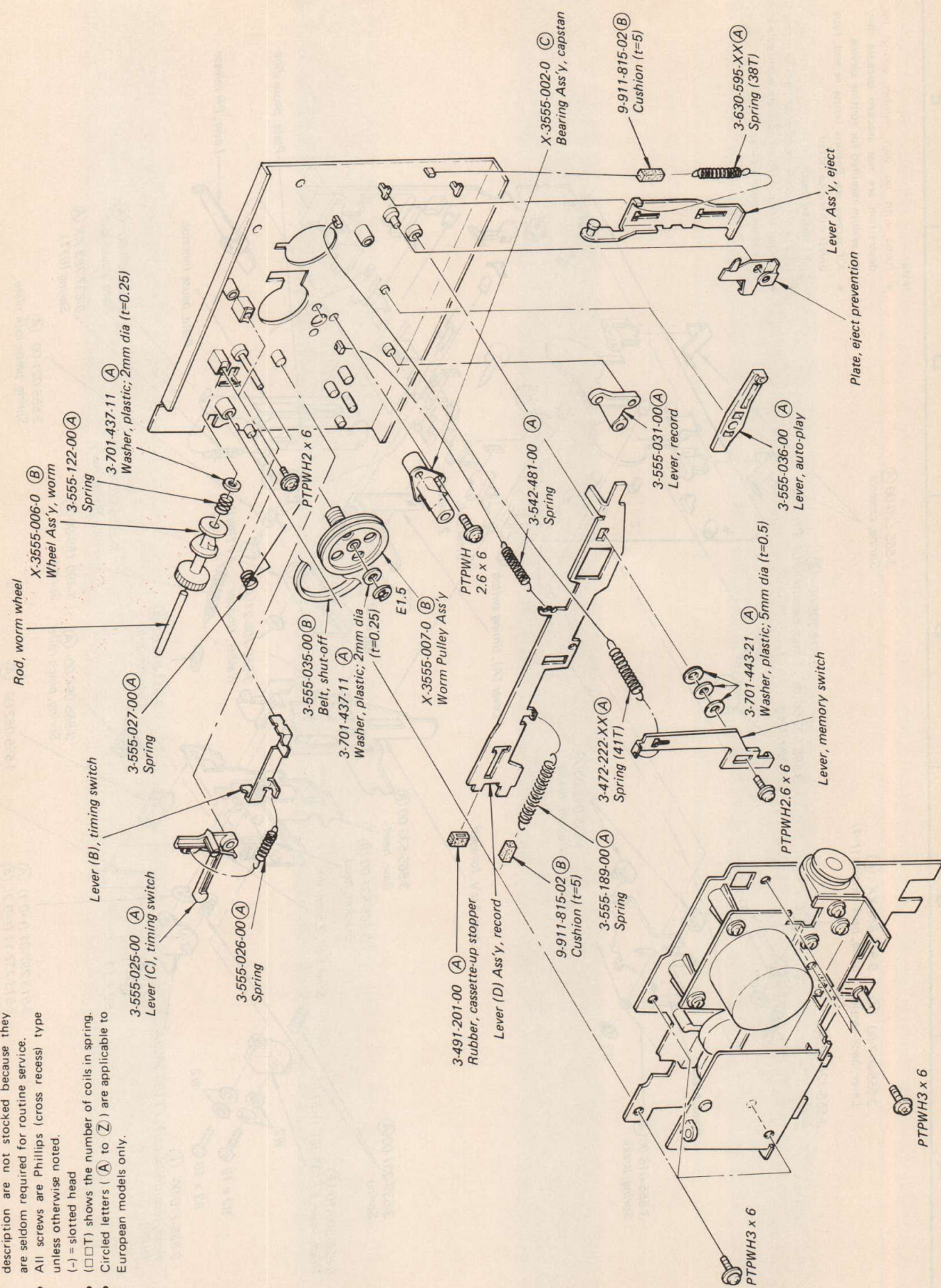
- Note:
- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
 - All screws are Phillips (cross recess) type unless otherwise noted.
 - (-) = slotted head
 - (□□T) shows the number of coils in spring.
 - Circled letters (A) to (Z) are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



(6)

Note:

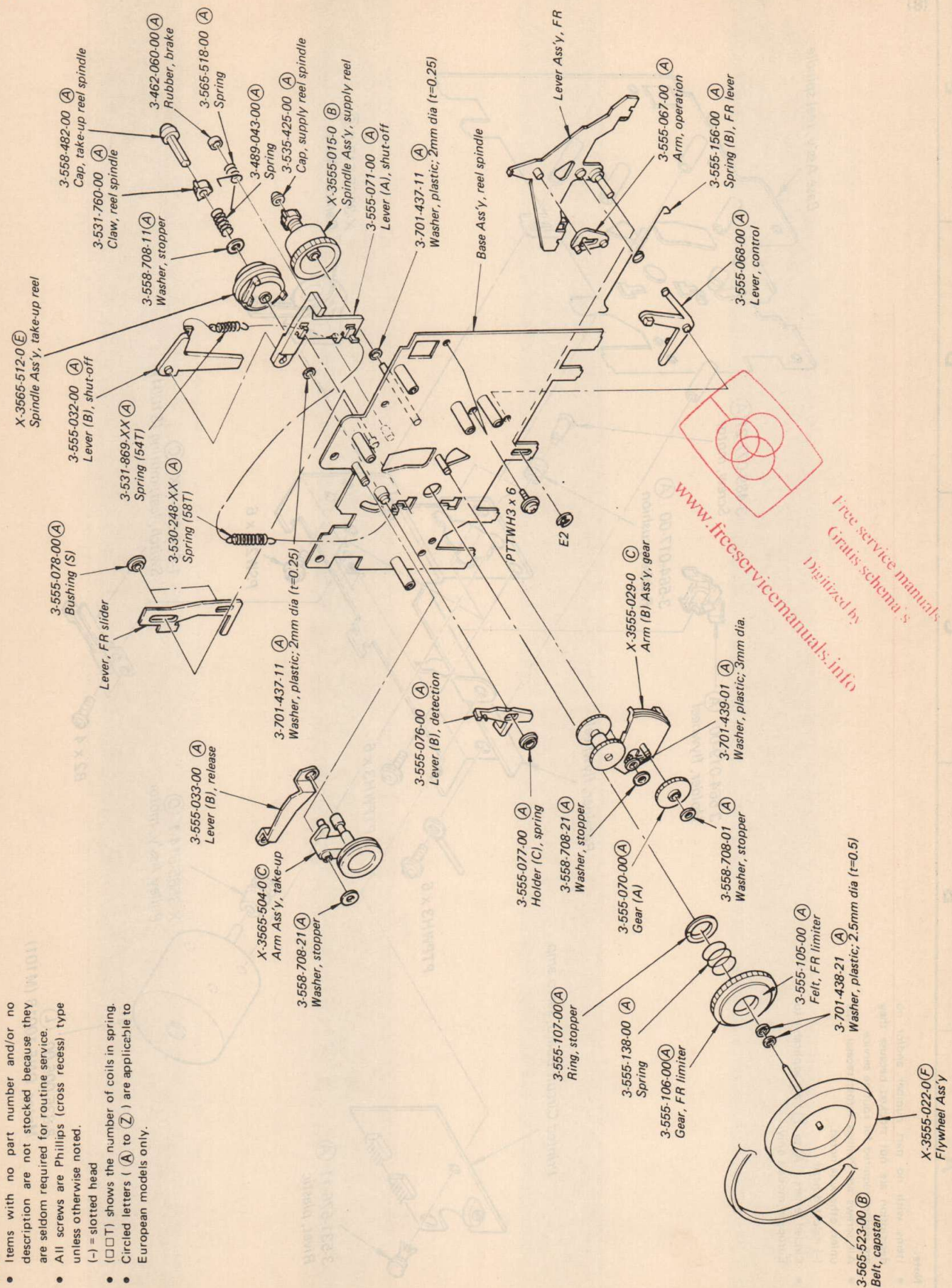
- **Note:**
- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
- (-) = slotted head
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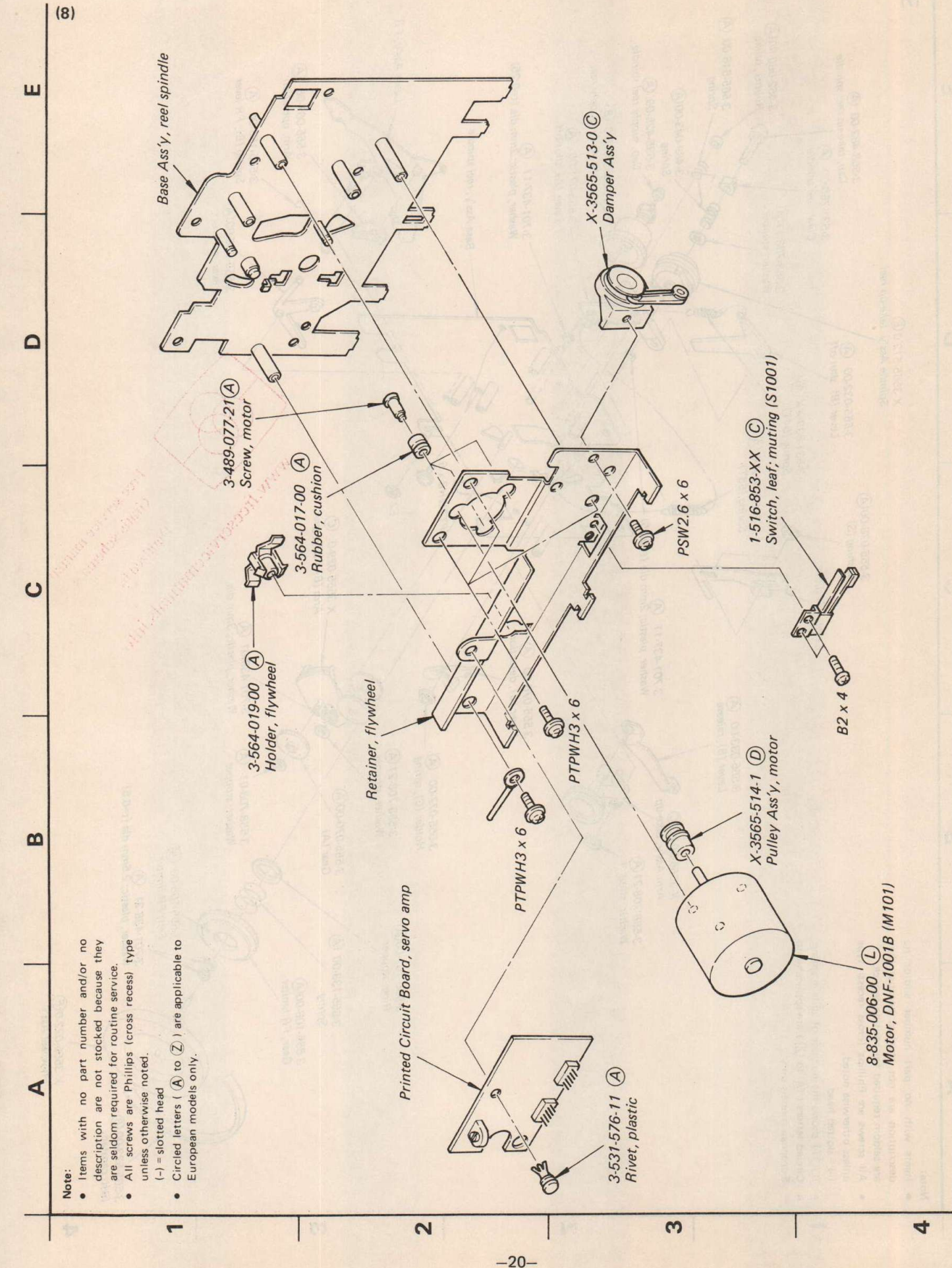


(7)

Note:

- 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
- □ T shows the number of coils in spring.
- Circled letters ($\text{\textcircled{A}}$ to $\text{\textcircled{Z}}$) are applicable to European models only.





Note:

- 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.

6. ELECTRICAL PARTS LIST

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

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
SEMICONDUCTORS					
Transistors					
Q101, 201	8-729-334-58	(B) 2SC1345	⇒ D309, 310	8-719-910-65	(B) HZ6B2L
Q102, 202			⇒ D311-313	8-719-815-55	(B) 1S1555
Q103, 203	8-729-663-47	(C) 2SC1364	⇒ D314	8-719-130-07	(B) RD3.0E
Q104, 204	8-729-100-13	(B) 2SC2001	D315	8-719-200-02	(B) 10E2
Q105, 205	8-729-334-58	(B) 2SC1345	⇒ D316	8-719-910-65	(B) HZ6B2L
			⇒ D317	8-719-815-55	(B) 1S1555
			D318, 319	8-719-301-03	(B) SEL103R
COILS					
Q301	8-729-141-43	2SD414 (US, Canadian model)	L101, 201	1-408-262-00	(B) 27mH, microinductor
	8-729-316-12	(D) 2SC1061 (AEP, UK model)			
Q302	8-729-154-83	2SB548 (US, Canadian model)			
	8-729-317-12	(E) 2SA671 (AEP, UK model)			
Q305	8-729-663-47	(C) 2SC1364			
TRANSFORMERS					
⇒ Q306	8-729-612-77	(B) 2SA1027R	T301	1-433-132-11	(B) Osc
Q307, 308	8-729-663-47	(C) 2SC1364	T302	1-446-416-00	Power (US, Canadian model)
⇒ Q309	8-729-612-77	(B) 2SA1027R		1-446-417-00	(K) Power (AEP, UK model)
Q310	8-729-663-47	(C) 2SC1364			
⇒ Q311	8-760-413-10	(B) 2SC1475			
Q312, 313	8-729-663-47	(C) 2SC1364			
Q1001	8-729-141-43	(B) 2SD414			
ICs					
IC101, 201	8-759-745-60	(B) NJM4560D			
IC301	8-759-100-06	(D) μPC4556C			
IC302	8-759-145-57	(D) μPC4557C			
IC1001	8-750-690-00	(D) CX069			
Diodes					
⇒ D101, 201	8-719-815-55	(B) 1S1555	C101, 102	1-161-272-00	(A) 120p
⇒ D102, 202	8-719-422-21	(B) 1T22AM	C201, 202		
⇒ D103, 203	8-719-815-55	(B) 1S1555	C103, 104	1-161-313-00	(A) 150p
⇒ D107, 207	8-719-422-21	(B) 1T22AM	C203, 204		
⇒ D108, 208	8-719-815-55	(B) 1S1555	C105, 205	1-161-315-00	(A) 220p
D301-304	8-719-200-02	(B) 10E2	C106, 206	1-123-353-00	(B) 2.2 50V elect
⇒ D305	8-719-815-55	(B) 1S1555	C107, 207	1-123-295-00	(B) 100 6.3V elect
D307, 308	8-719-200-02	(B) 10E2	C108, 109	1-123-306-00	(B) 47 10V elect
			C208, 209		
			C110, 210	1-129-776-00	(B) 0.022 100V polyethylene
			C111, 211	1-121-479-00	(B) 22 16V elect
			C112, 212	1-123-316-00	(B) 10 16V elect
			C113, 213	1-161-263-00	(A) 22p
			C114, 214	1-129-896-00	(A) 0.012 100V polyethylene
			C115, 215	1-129-701-00	(A) 0.01 100V polyethylene
			C116, 216	1-123-316-00	(B) 10 16V elect
			C117, 217	1-123-307-00	(B) 100 10V elect
			C118, 218	1-108-597-00	(B) 0.056 mylar

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

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.

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

Ref. No.	Part No.	Description
C119, 219	1-108-573-00	(B) 0.0056 mylar
C121, 221	1-108-565-00	(B) 0.0027 mylar
C122, 222	1-123-353-00	(B) 2.2 50V elect
C123, 223	1-123-354-00	(B) 3.3 50V elect
C124, 224	1-161-383-00	(A) 0.0047
C125, 225	1-161-323-00	(A) 0.001
C126, 226	1-123-353-00	(B) 2.2 50V elect
C127, 227	1-161-323-00	(A) 0.001
C128, 228	1-123-230-00	(B) 2.2 50V elect (nonpolarized)
C129, 130, C229, 230	1-123-307-00	(B) 100 10V elect
C131, 231	1-123-351-00	(B) 0.47 50V elect
C132, 232	1-129-776-00	(B) 0.022 100V polyethylene
C133, 233	1-108-559-00	(B) 0.0015 mylar
C134, 234	1-108-579-00	(B) 0.01 mylar
C135, 235	1-108-585-00	(B) 0.018 mylar
C136, 236	1-161-383-00	(A) 0.0047
C137, 237	1-161-272-00	(A) 120p
C138, 238	1-161-258-00	(A) 8.2p
C139, 239	1-108-597-00	(B) 0.056 mylar
C140, 240	1-161-272-00	(A) 120p
C141, 241	1-161-315-00	(A) 220p
C142, 242	1-123-228-00	(B) 1 50V elect (nonpolarized)
C143, 243	1-161-271-00	(A) 100p
C144, 244	1-107-167-00	(B) 75p 500V mica
C145, 245	1-107-037-00	(B) 47p 500V silvered mica
C146, 246	1-123-306-00	(B) 47 10V elect
C148, 248	1-123-307-00	(B) 100 10V elect
C301, 302	A1-121-733-00	(A) 470 25V elect
C303, 304	1-121-245-00	(A) 1000 16V elect
C305, 306	1-123-321-00	(B) 220 16V elect
C307-310	1-123-308-00	(B) 220 10V elect
C311	1-123-316-00	(B) 10 16V elect
C312	1-123-306-00	(B) 47 10V elect
C313	1-123-328-00	(B) 4.7 25V elect

Ref. No.	Part No.	Description
C314	1-123-322-00	(B) 330 16V elect
C315	1-123-354-00	(B) 3.3 50V elect
C316	1-131-217-00	(B) 2.2 35V tantalum
C317	1-129-701-00	(B) 0.01 100V polyethylene
C318	1-130-189-00	(B) 0.018 100V polyethylene
C319	1-129-710-00	(B) 0.0047 630V polyethylene
C320, 321	1-121-414-00	(B) 100 10V elect
C324	1-161-323-00	(A) 0.001
C326	1-123-316-00	(B) 10 16V elect
C1001	1-130-134-00	(B) 0.082 100V plastic
C1002	1-123-316-00	(B) 10 16V elect
C1003	1-108-583-00	(B) 0.015 mylar
C1004	1-123-352-00	(B) 1 50V elect
C1006, C1008	1-123-332-00	(B) 47 25V elect
C1009	1-108-244-00	(A) 0.033 mylar
CT101, 201	1-141-225-00	(C) Trimmer

RESISTORS

All resistors are in ohms. Common 1/4W carbon resistors are omitted. Refer to the list on page 4 for their part numbers.

R103, 203	1-244-897-00	(A) 10k 1/4W carbon
R104, 204	1-244-905-00	(A) 22k 1/4W carbon
R105, 205	1-244-840-00	(A) 43 1/4W carbon
R110, 210	1-244-873-00	(A) 1k 1/4W carbon
R111, 211	1-244-932-00	(A) 300k 1/4W carbon
R112, 113, R212, 213	1-244-873-00	(A) 1k 1/4W carbon
R114, 214	1-244-939-00	(A) 560k 1/4W carbon
R115, 215	1-244-918-00	(A) 75k 1/4W carbon
R116, 216	1-244-873-00	(A) 1k 1/4W carbon
R117, 217	1-244-855-00	(A) 180 1/4W carbon
R118, 218	1-244-937-00	(A) 470k 1/4W carbon
R119, 219	1-244-853-00	(A) 150 1/4W carbon
R123, 223	1-244-865-00	(A) 470 1/4W carbon
R124, 224	1-244-881-00	(A) 2.2k 1/4W carbon
R126, 226	1-244-857-00	(A) 220 1/4W carbon
R140, 240	1-244-881-00	(A) 2.2k 1/4W carbon
R141, 241	1-244-885-00	(A) 3.3k 1/4W carbon
R143, 243	1-244-913-00	(A) 47k 1/4W carbon

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

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

Ref. No.	Part No.	Description
R144, 244	1-244-896-00	(A) 9.1k 1/4W carbon
R156, 256	1-244-873-00	(A) 1k 1/4W carbon
R170, 270	1-244-899-00	(A) 12k 1/4W carbon
R307, 308	1-244-877-00	(A) 1.5k 1/4W carbon
R309, 310	1-244-884-00	(A) 3k 1/4W carbon
R321	1-244-852-00	(A) 130 1/4W carbon
R322	A1-206-642-00	(B) 120 2W metal oxide (nonflammable)
R334	1-244-849-00	(A) 100 1/4W carbon
R336	A1-206-644-00	(B) 150 2W metal oxide (nonflammable)
R1001	1-214-765-00	(A) 33k 1/4W metal oxide
R1008	A1-217-523-00	(B) 10 1/4W fusible
RV101, 201	1-224-550-21	(B) 220-B, adjustable; playback level
RV102, 202	1-226-591-00	(E) 20k/20k-A, variable; REC LEVEL
RV103, 203	1-224-644-XX	(B) 4.7k-B, adjustable; record level
RV104, 204	1-226-234-00	(B) 2k-B, adjustable; meter
RV1001	1-226-431-00	(B) 10k-B, adjustable; tape speed

SWITCHES

S1	1-552-521-00	(C) Slide, record/playback
S2	1-552-723-00	(C) Lever-slide, DOLBY NR
S3	1-552-393-00	(C) Lever-slide, BIAS
S4	1-552-394-00	(C) Lever-slide, EQ
S5	1-552-724-00	(D) Lever-slide, INPUT SELECT
S7	A1-552-530-00	Pushbutton, POWER (US, Canadian model)
	1-552-903-00	(D) Pushbutton, POWER (AEP, UK model)

S1001, 1002 1-516-853-XX (C) Leaf, muting, timing

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

Ref. No.	Part No.	Description
JACKS		
CNJ101, 201	1-507-525-00	(D) MIC
CNJ102, 103	1-507-531-00	LINE IN, LINE OUT (US, Canadian model)
CNJ202, 203	1-536-501-21	(D) LINE IN, LINE OUT, REC/PB (AEP, UK model)
CNJ301		
CNJ302	1-507-553-00	(C) HEADPHONES
MISCELLANEOUS		
LPF101, 201	1-231-372-00	(D) Filter, low-pass
HE	8-825-506-10	(E) Head, erase; EF135-36F
HRP	8-825-710-00	(L) Head, record/playback; PF180-3602A
CP301	A1-130-267-00	(C) Capacitor, 0.022μF 250V; film (AEP, UK model)
	1-231-326-11	Encapsulated Component (US, Canadian model)
ME101, 201	1-520-411-00	(K) Meter, VU
PL101, 201	1-518-351-00	(C) Lamp, VU meter
PL1001	1-518-306-00	(B) Lamp, cassette
M101	8-835-006-00	(L) Motor, DNF-1001B

A1-534-817-XX (D) Cord, power (AEP model)
A1-534-777-00 (D) Cord, power (UK model)
A1-534-986-XX Cord, power (US, Canadian model)



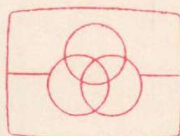
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Note: The components identified by shading and mark A are critical for safety. Replace only with part number specified.

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ACCESSORIES AND PACKING MATERIALS

<u>Part No.</u>	<u>Description</u>
X-3701-105-0	(A) Tip Ass'y, head cleaning
1-551-734-11	(D) Cord, connection; RK-74A
3-429-126-00	(B) Bag, plastic (Canadian model)
3-561-142-00	Cushion, upper-front (Canadian model)
3-561-143-00	Cushion, upper-rear (Canadian model)
3-561-144-00	Cushion, bottom-right (Canadian model)
3-561-145-00	Cushion, bottom-left (Canadian model)
3-567-306-00	Carton (Canadian model)
3-701-630-00	(A) Bag, plastic
3-770-882-11	(E) Manual, instruction (AEP, UK model)
3-770-882-21	Manual, instruction (US model)
3-770-882-21	Manual, instruction (Canadian model)
3-794-491-31	
3-793-828-11	(A) Caution Card, cassette
3-794-233-21	Separate Sheet, consumer products (US model)



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