TC-K6/K6B

TC-K6 (Panel: Silver)
AEP Model
E Model
US Model
Canadian Model
TC-K6B (Panel: Black)
AEP Model

TC-K6 (AEP, E model)

STEREO CASSETTE DECK

SPECIFICATIONS

GENERAL

Power Requirements: 120V ac, 60Hz (US, Canadian model)
110, 120, 220, 240V ac, 50/60Hz (AEP, E model)

Power Consumption: 17W ac (US, Canadian model)
19W ac (AEP, E model)

Dimensions: (US, Canadian model)
Approx. 460 (w) x 170 (h) x 310 (d) mm
18 1/8 (w) x 6 3/4 (h) x 12 1/4 (d) inches
(AEP, E model)
Approx. 430 (w) x 170 (h) x 310 (d) mm
17 (w) x 6 3/4 (h) x 12 1/4 (d) inches
including projecting parts and controls

Weight: 9.5 kg, 20 lb 15 oz (US, Canadian model)
8.5 kg, 18 lb 12 oz (AEP, E model)

TAPE RECORDER SECTION

Track: 4-track 2-channel stereo

Fast Forward Rewind Time: Approx. 90 seconds with Sony cassette C-60

Frequency Response: DOLBY NR OFF
With Ferri-Chrome cassette
20—18,000Hz (NAB)
30—16,000Hz ±3dB (NAB)
30—16,000Hz (DIN)
With chromium dioxide cassette
20—17,000Hz (NAB)
30—15,000Hz ±3dB (NAB)
30—15,000Hz (DIN)
With standard cassette
20—15,000Hz (NAB)
30—15,000Hz (DIN)

Wow and Flutter: 0.05% WRMS (NAB)
±0.14% (DIN)

SN Ratio: DOLBY NR OFF
With Ferri-Chrome cassette
59dB at peak level (NAB)
57dB (DIN, 1975 rev.)
With chromium dioxide cassette
55dB at peak level (NAB)
DOLBY NR ON
Improved by 5dB at 1kHz,
10dB above 5kHz

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

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.

— Continued on page 2 —

SONY
SERVICE MANUAL

Total Harmonic Distortion: 1.3%

Record Bias Frequency: 105 kHz

Inputs:
MIC (phone jacks) 2
sensitivity 0.25 mV (-70 dB)
for a low-impedance microphone
LINE IN (phono jacks) 2
sensitivity 77.5 mV (-20 dB)
input impedance 100 kΩ

Outputs:
VARIABLE LINE OUTPUT
(phono jacks) 2
output level 0.775 V (0 dB)
at load impedance 100 kΩ
with LINE OUT level control at "10"
suitable load impedance more than 10 kΩ
FIXED LINE OUTPUT (phono jacks) . 2
output level 0.435 V (-5 dB)
at load impedance 100 kΩ
suitable load impedance more than 10 kΩ
HEADPHONES 1
output level -20 to -50 dB
at load impedance 8 Ω

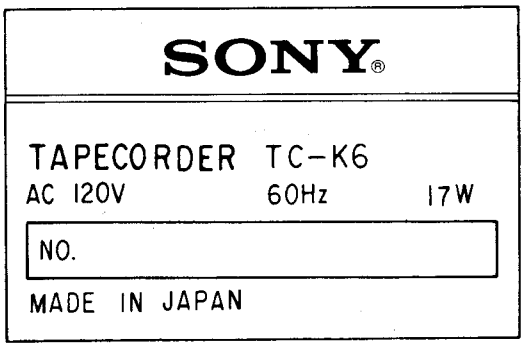
REC/PB Jack (DIN):
Input impedance less than 10 kΩ
Output impedance less than 10 kΩ

0 dB = 0.775 V

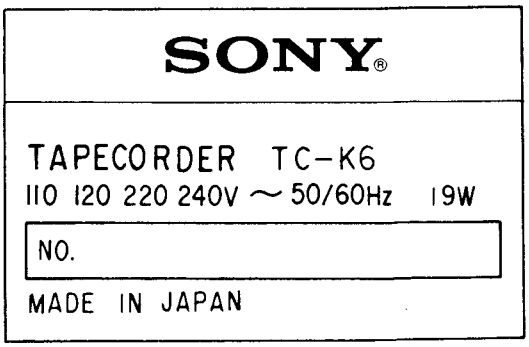
MODEL IDENTIFICATIONS

Specification Label

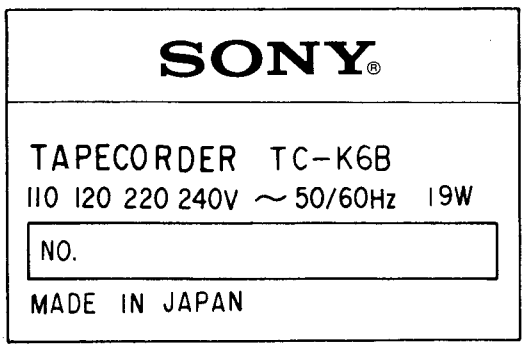
TC-K6: US, Canadian model



TC-K6: AEP, E model

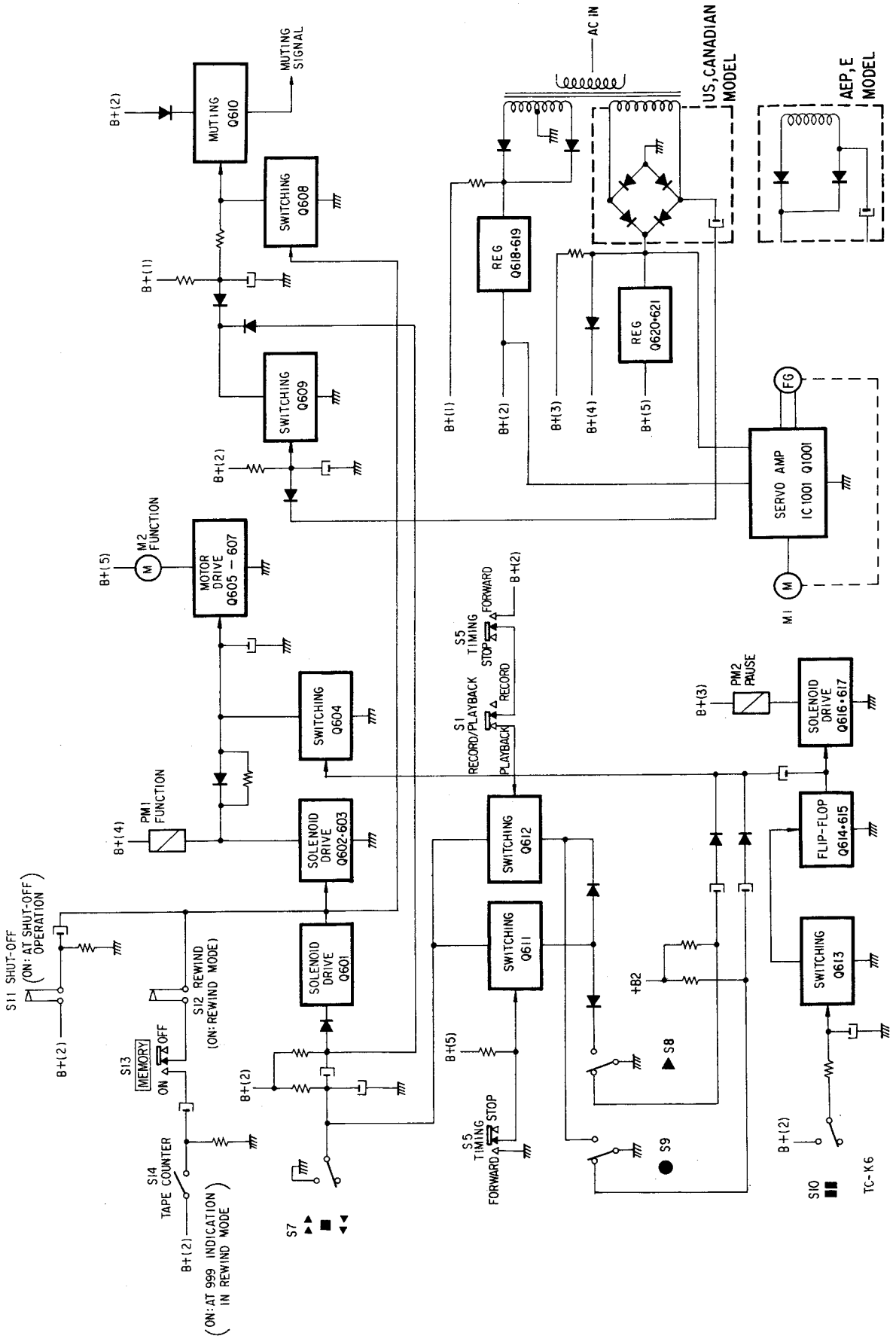


TC-K6B: AEP model

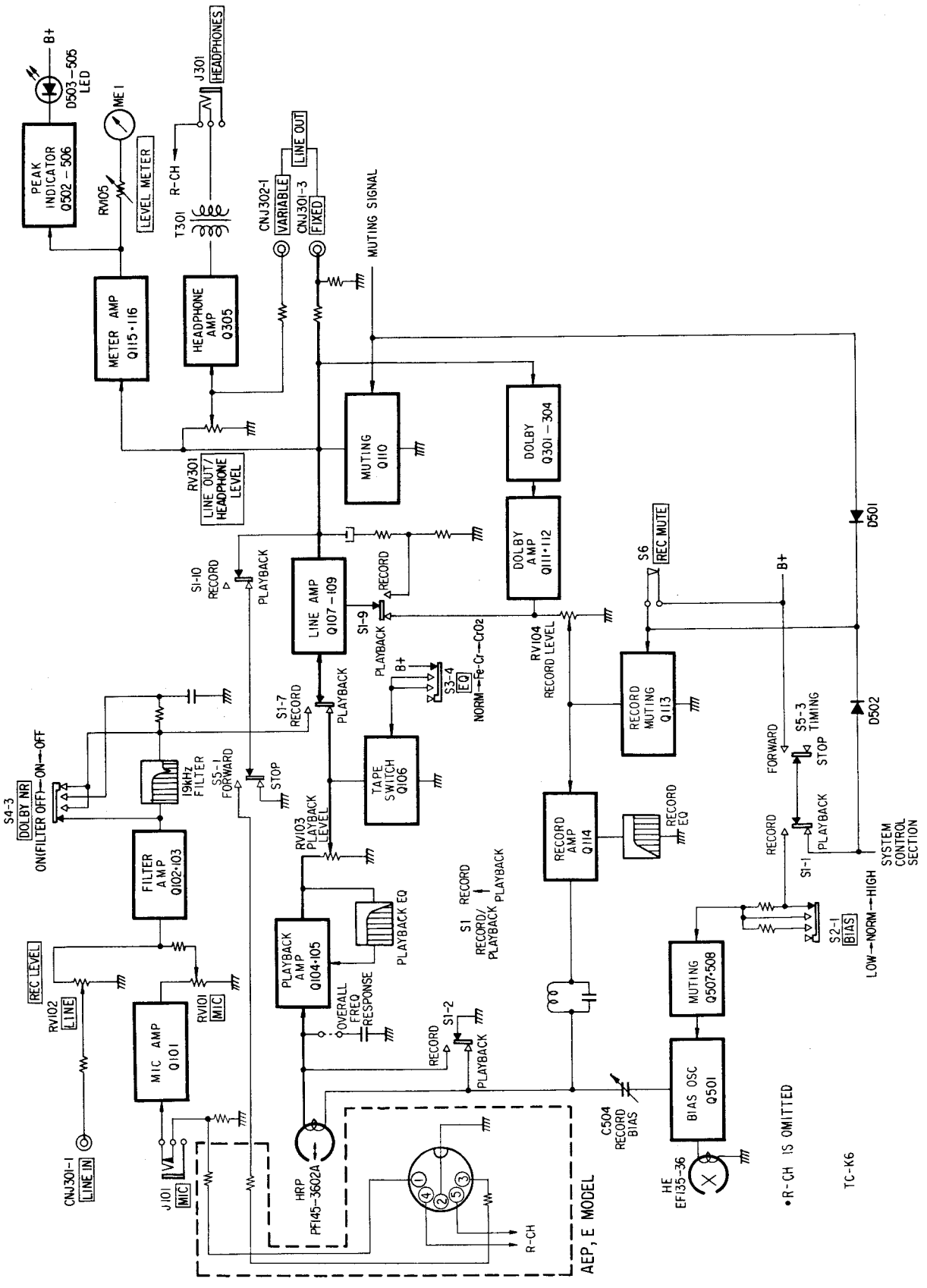


SECTION 1
BLOCK DIAGRAMS

1-1. SYSTEM CONTROL SECTION



1-2. AMP SECTION

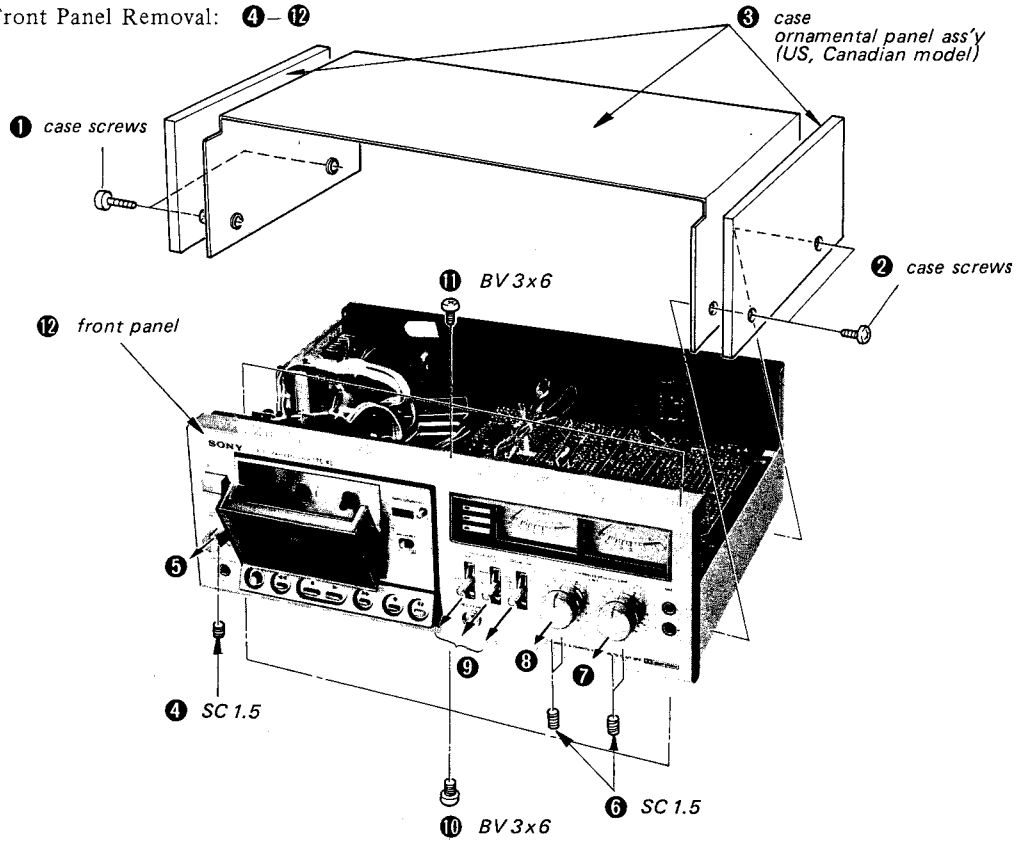


SECTION 2
DISASSEMBLY

Note: Remove the parts in the numerical order.

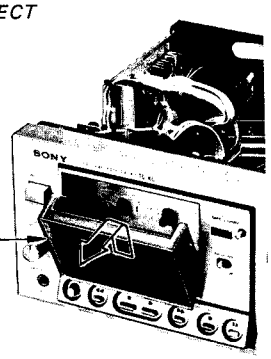
CASE AND FRONT PANEL REMOVAL

Case Removal: ❶–❸
Front Panel Removal: ❹–⓬

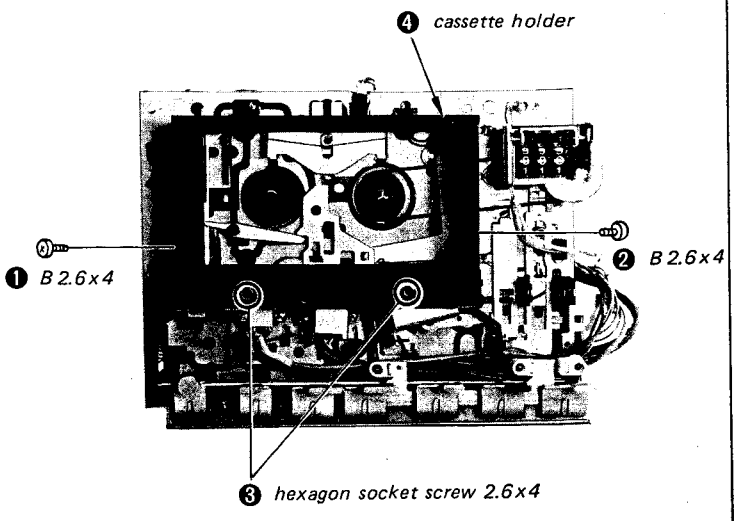


CASSETTE WINDOW REMOVAL

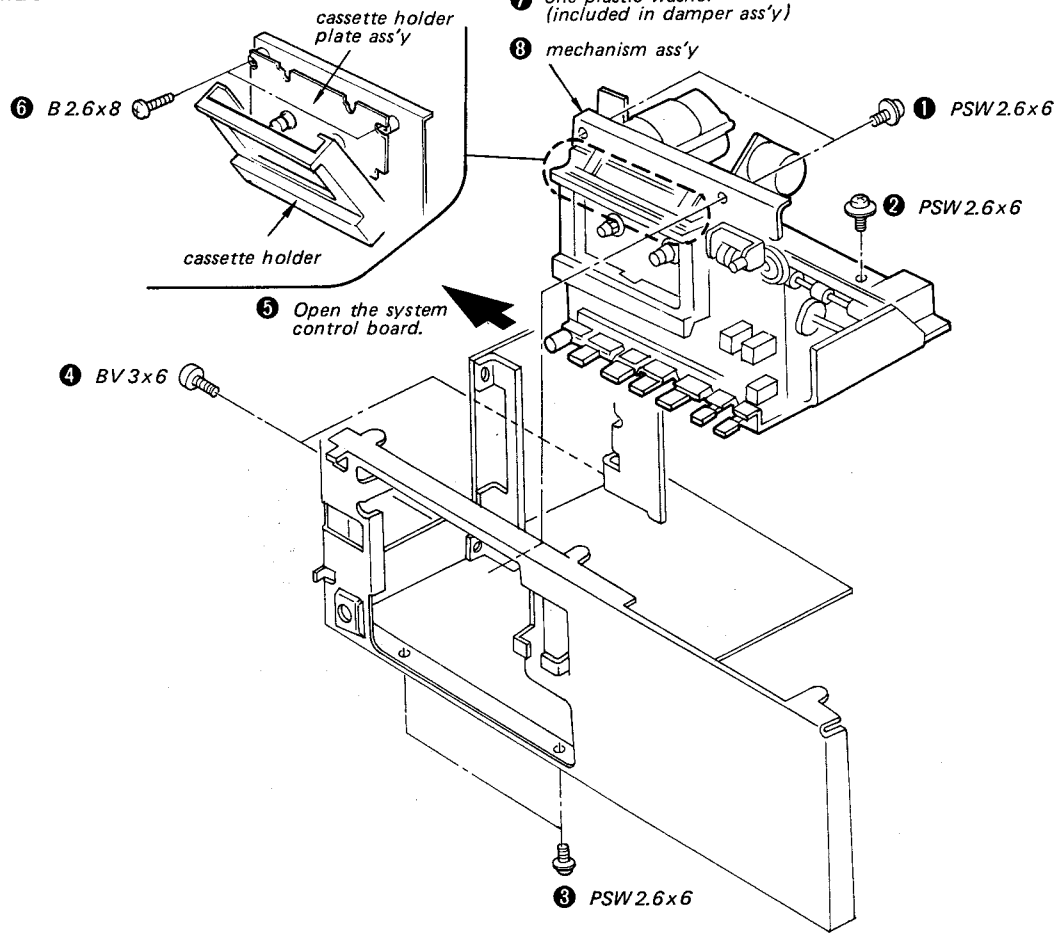
❶ Push the EJECT button.



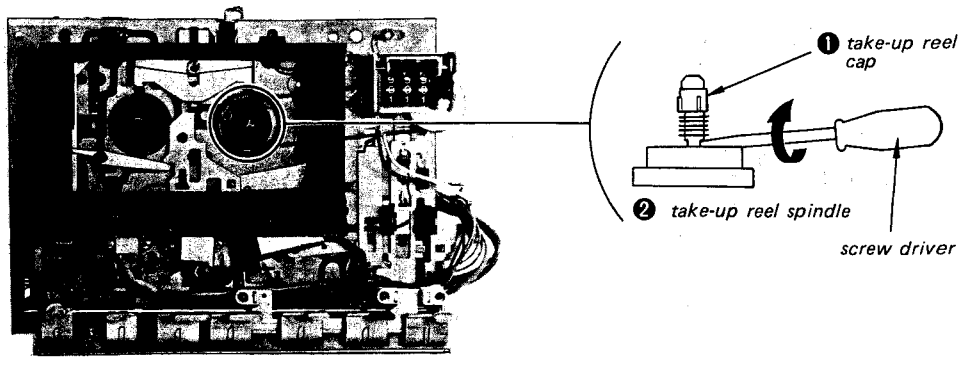
CASSETTE HOLDER REMOVAL



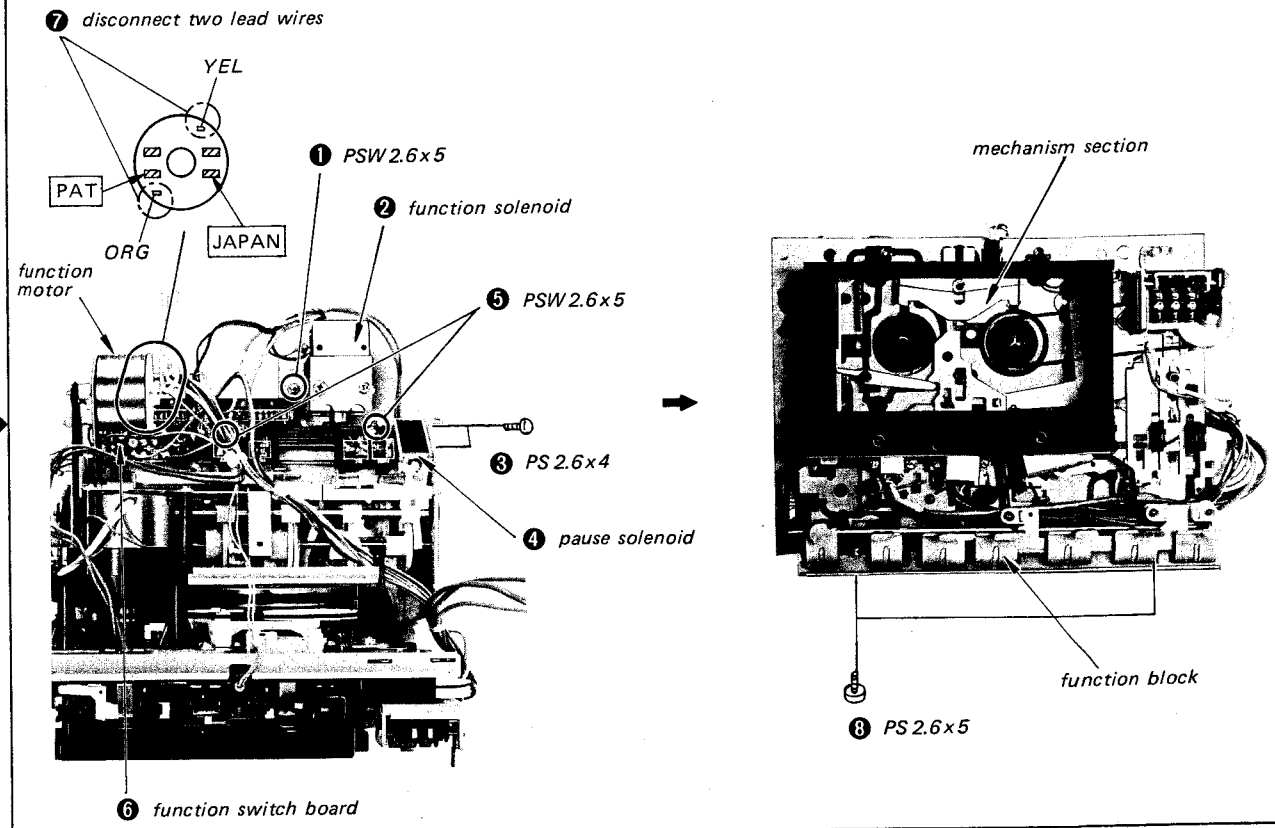
MECHANISM ASSEMBLY REMOVAL



TAKE-UP REEL SPINDLE REMOVAL

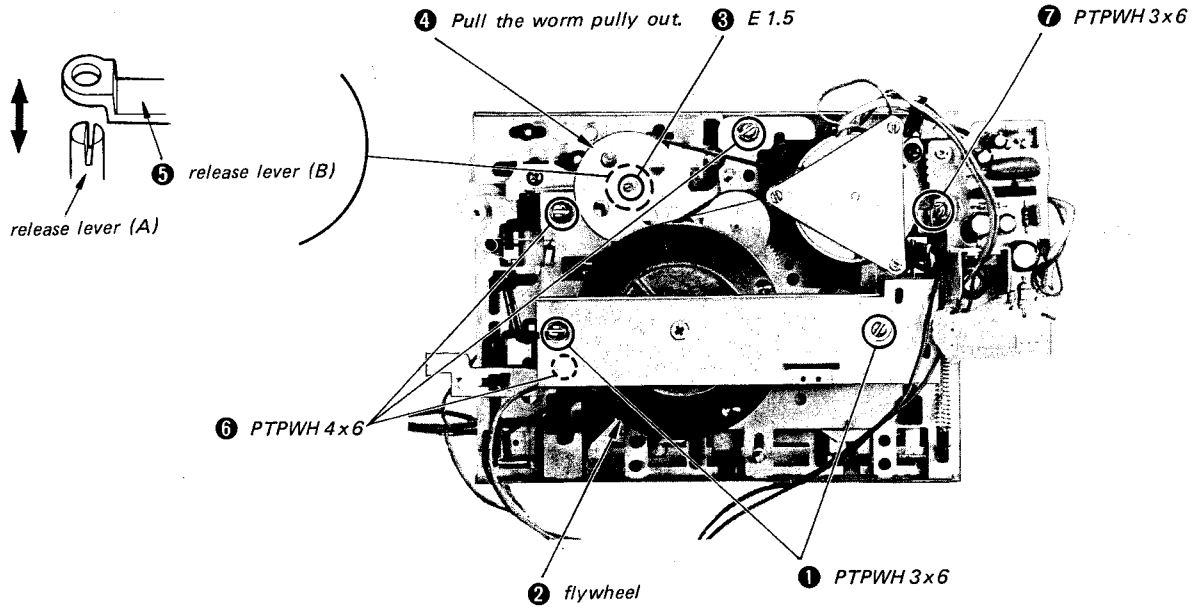


SEPARATION OF MECHANISM SECTION AND FUNCTION BLOCK



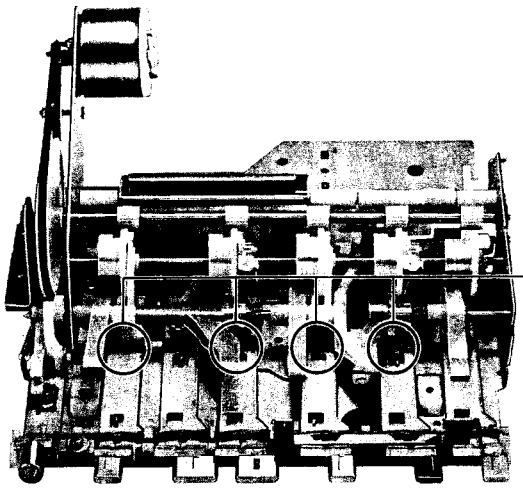
MECHANISM SECTION REMOVAL

Perform steps ❶ to ❼, then separate the reel spindle plate ass'y and the chassis.

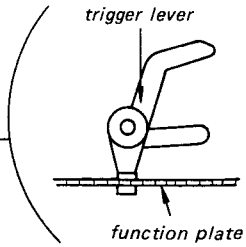


FUNCTION BLOCK REMOVAL

Refer to the exploded views on page 9.

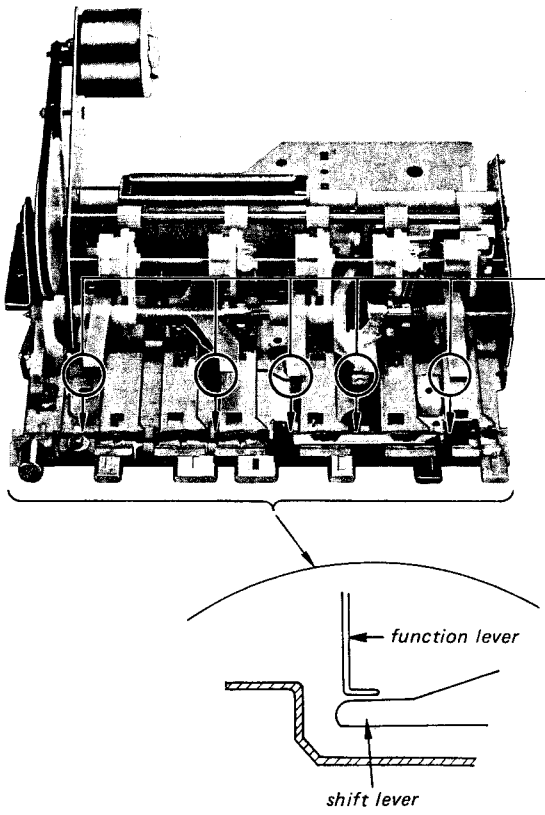


NOTE ON THE FUNCTION BLOCK INSTALLATION



1. *The tip of each trigger lever should be in the hole of each function plate.*
2. *Each gear and lever should be properly installed.*

INSTALLATION OF MECHANISM SECTION AND FUNCTION BLOCK

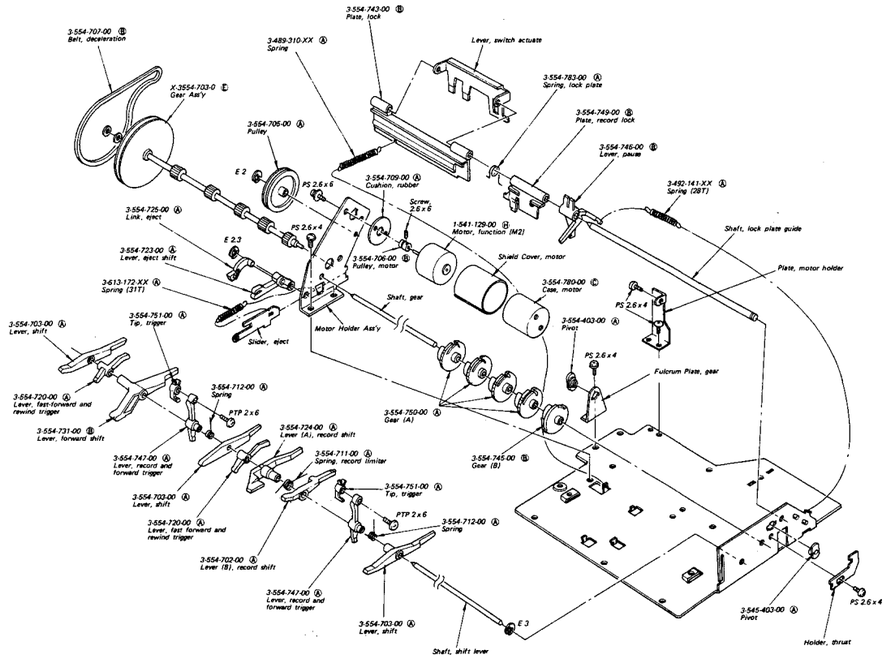


2. *Set the shift lever under the function lever.*
3. *Install the mechanism section and the function block.*

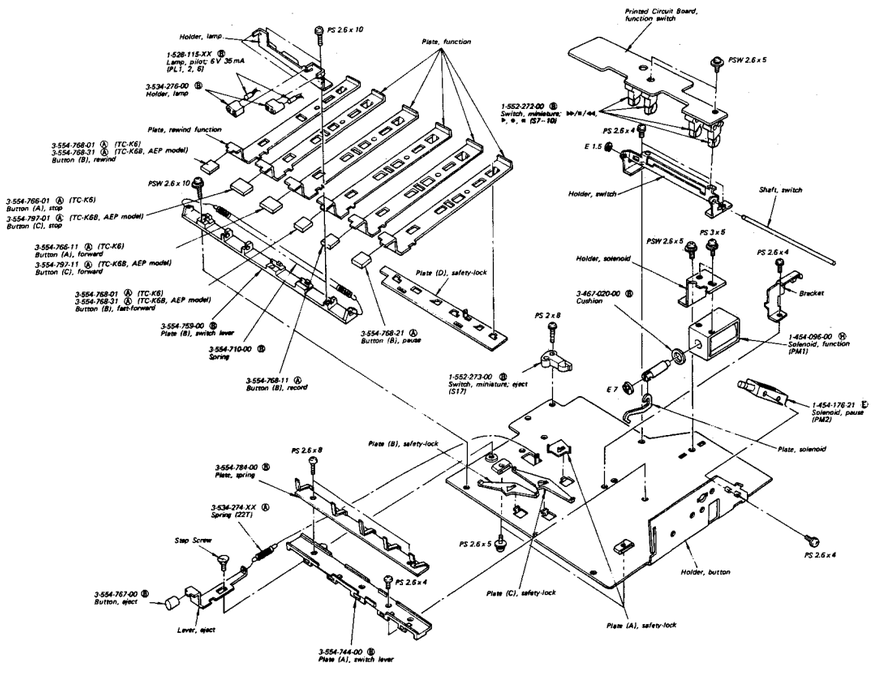
EXPLODED VIEWS OF FUNCTION BLOCK

(Same as exploded views on pages 39 and 40.)

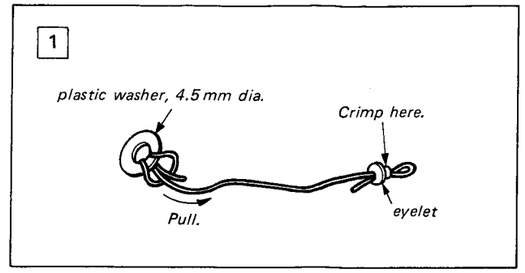
(1)

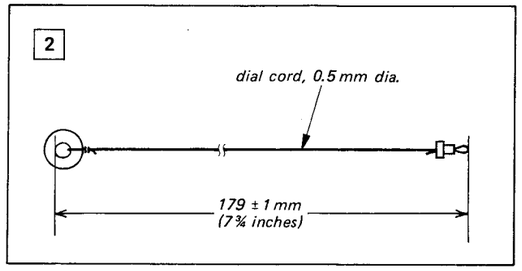


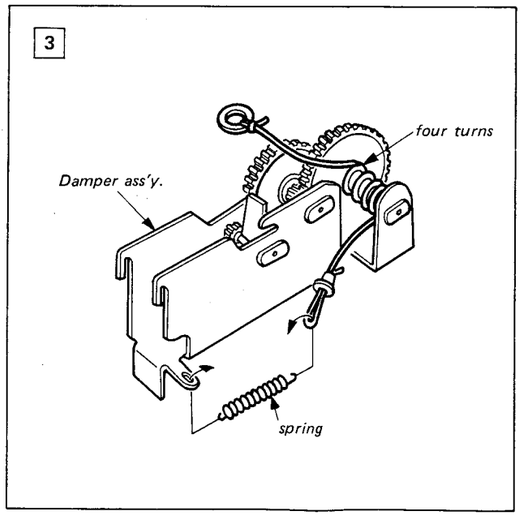
(2)



CORD STRINGING OF DAMPER ASS'Y







SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

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

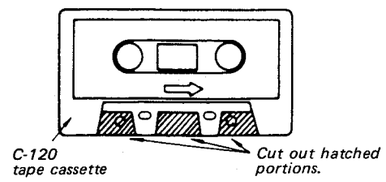
record/playback head	pinch roller
erase head	rubber belts
capstan	idlers

2. Demagnetize the record/playback head with a head demagnetizer.
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.

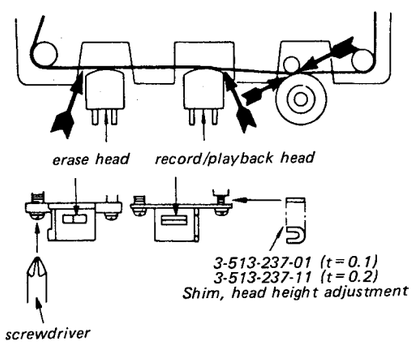
Tape Path Adjustment

– Playback Mode –

1. Make an adjustment cassette as shown below.



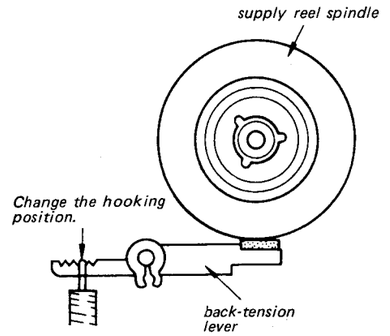
2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at arrowed portions.



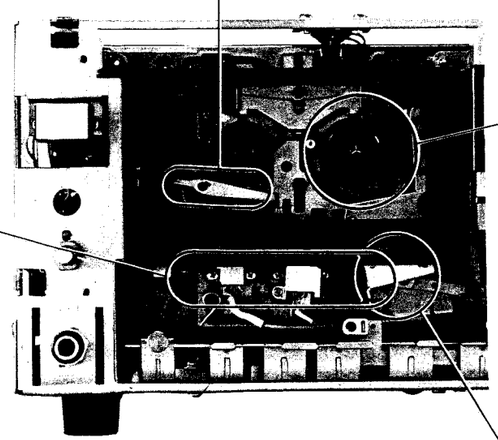
Playback Tension Torque Adjustment

– Playback Mode –

Use the type CQ-102A cassette torque meter.



Specification: 2–4.5 g·cm (0.03–0.06 oz·inch)

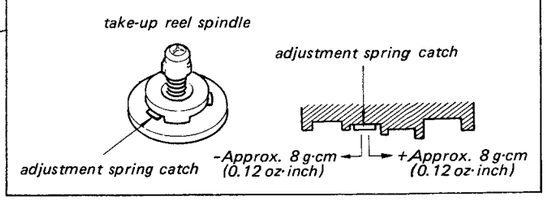


Forward Torque Adjustment

– Playback Mode –

1. Place the type CQ-102A cassette torque meter in the set.
2. Change the position of the adjustment spring catch.

Specification: 28–55 g·cm (0.39–0.77 oz·inch)

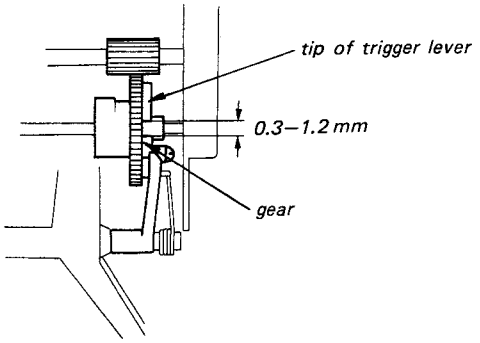


Reference Data

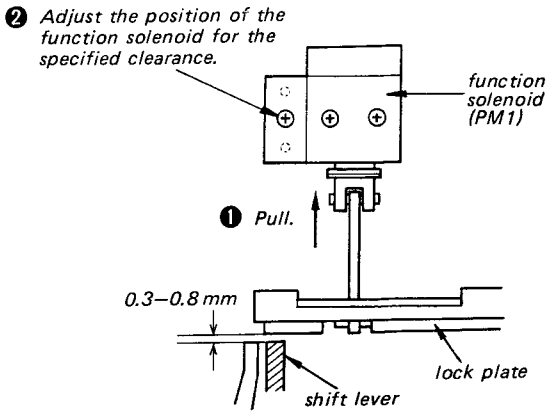
Pinch Roller Pressure: 310–390 g (11—14 oz)

Function Switch Board Position Adjustment

1. Push the forward button (▶) with the gear held, and confirm that the condition of the gear and the tip of trigger lever is as shown below.
2. Adjust the position of the function switch board so that the motor rotates.

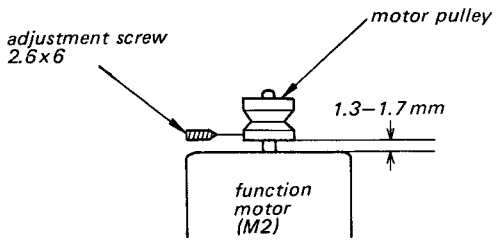


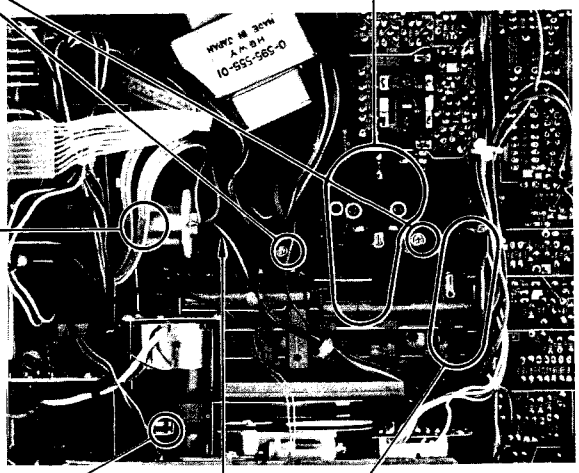
Function Solenoid (PM1) Position Adjustment



Function Motor Pulley Height Adjustment

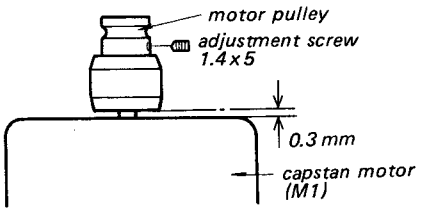
Adjust the position of the motor pulley for the specified clearance.





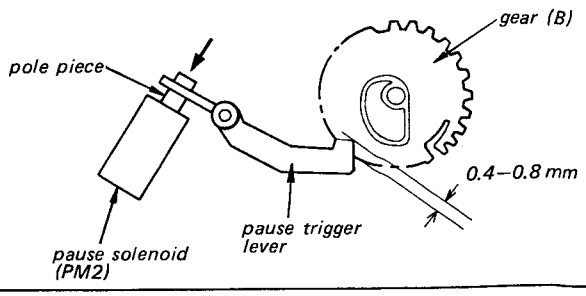
Capstan Motor Pulley Height Adjustment

Adjust the position of the motor pulley for the specified clearance.



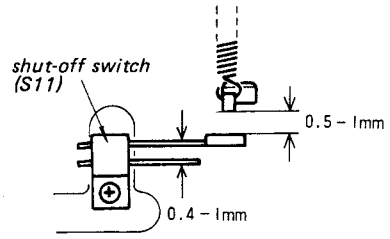
Pause Solenoid (PM2) Position Adjustment

1. Push the pole piece.
2. Adjust the position of the pause solenoid for the specified clearance.



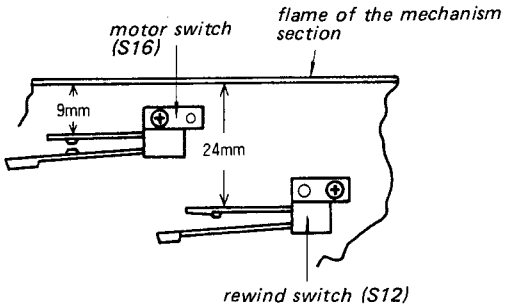
Shut-off Switch (S11) Position Adjustment

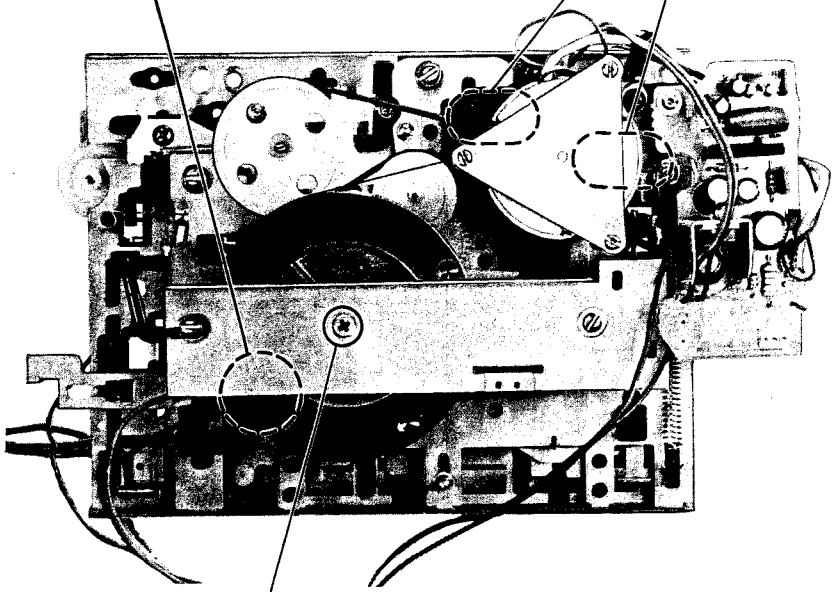
Adjust the position of the shut-off switch (S11).



Motor Switch (S16) and Rewind Switch (S12) Position Adjustment

Adjust the positions of switches.





Thrust Play Adjustment

– Playback Mode –

1. Loosen the thrust screw.
2. Carefully turn the thrust screw clockwise until current suddenly increases. Then loosen the thrust screw ¼ turn.
3. Secure the thrust screw with a suitable locking compound.

3-2. ELECTRICAL ADJUSTMENTS

Note: The adjustment should be performed in the order given in this service manual. The adjustments should be performed for both L-CH and R-CH.

BIAS and EQ switch settings in accordance with tape used are as follows.

Tape	BIAS switch	EQ switch
CS-10	NORMAL	NORMAL
CS-20	HIGH	CrO_2
CS-30	NORMAL	Fe-Cr

Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch:	OFF
LINE OUT/HEADPHONE LEVEL control:	MAX
EQ switch:	NORMAL
BIAS switch:	NORMAL
MEMORY switch:	OFF
REC MUTE switch:	OFF

Standard Record:

Deliver the standard input signal level to the input jack and set the MIC REC VOL and LINE REC VOL controls to obtain the standard output signal level.

Standard Input Level

	MIC	LINE IN	REC/PB (AEP and E model)
source impedance	300Ω	10kΩ	100kΩ
input level	0.77mV (-60dB)	0.25V (-10dB)	17mV (-33dB)

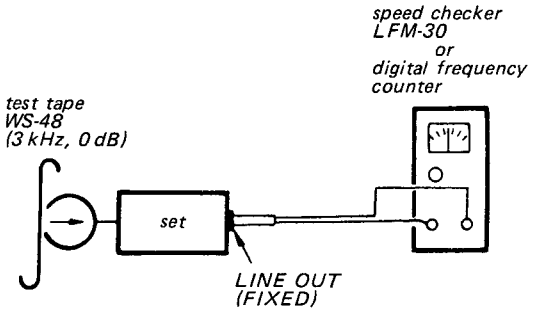
Standard Output Level

	VARIABLE LINE OUT	FIXED LINE OUT	HEAD-PHONES	REC/PB (AEP and E model)
load impedance	100kΩ	100kΩ	8Ω	50kΩ
output level	0.775V (0dB)	0.44V (-5dB)	95mV (-18dB)	0.775V (0dB)

Tape Speed Adjustment

Procedure:

Mode: Playback

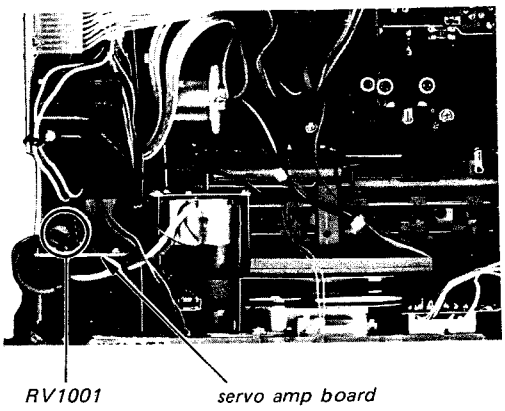


Specification:

Speed checker	Digital frequency counter
-0.7–+0.7%	2,980–3,020Hz

Frequency difference between beginning and end of tape should be within 0.7% (20Hz).

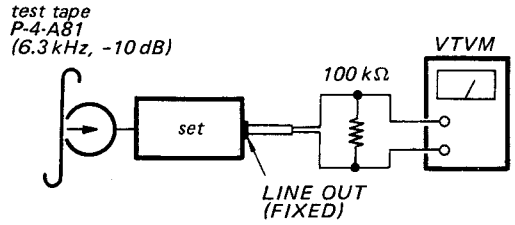
Adjustment Location:



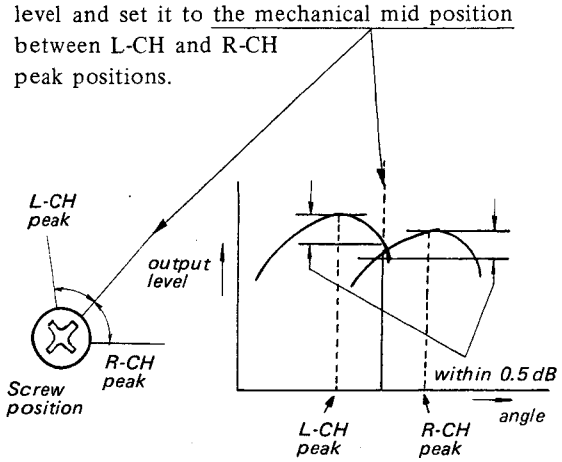
Record/playback Head Azimuth Adjustment

Procedure:

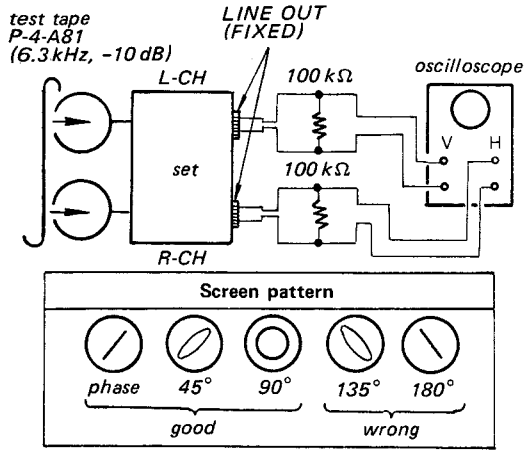
1. Mode: Playback



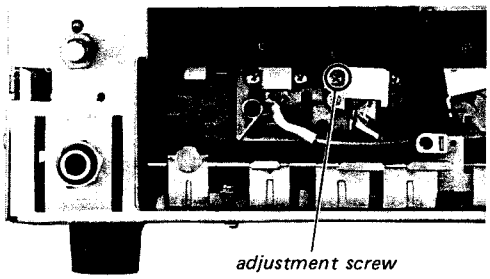
2. Turn the adjustment screw for the maximum level and set it to the mechanical mid position between L-CH and R-CH peak positions.



3. Mode: Playback

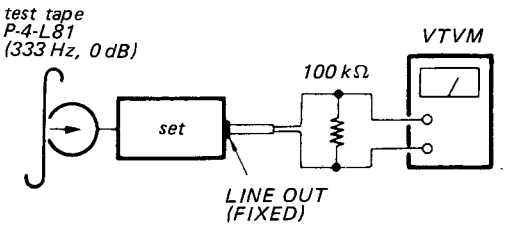


Adjustment Location:



Playback Level Adjustment

Procedure:

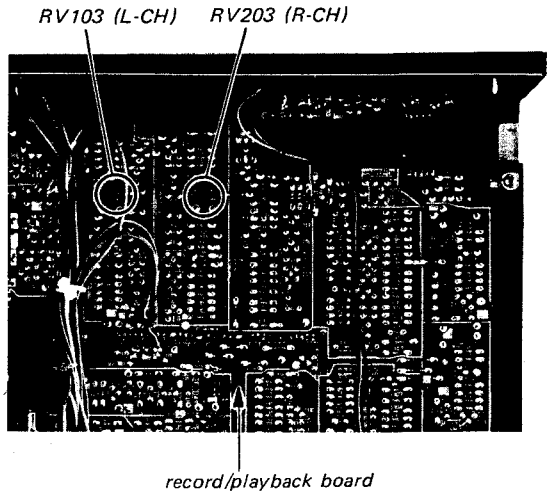


Specification:

LINE OUT level: 0.52–0.58 V (–3.5 – –2.5 dB)

Check that LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

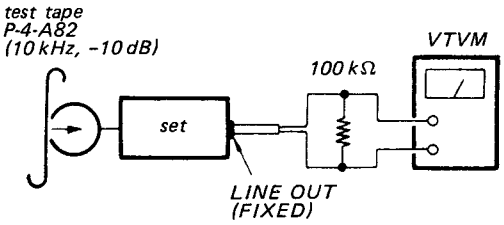
Adjustment Location:



Playback Equalizer Adjustment

Procedure:

Mode: Playback

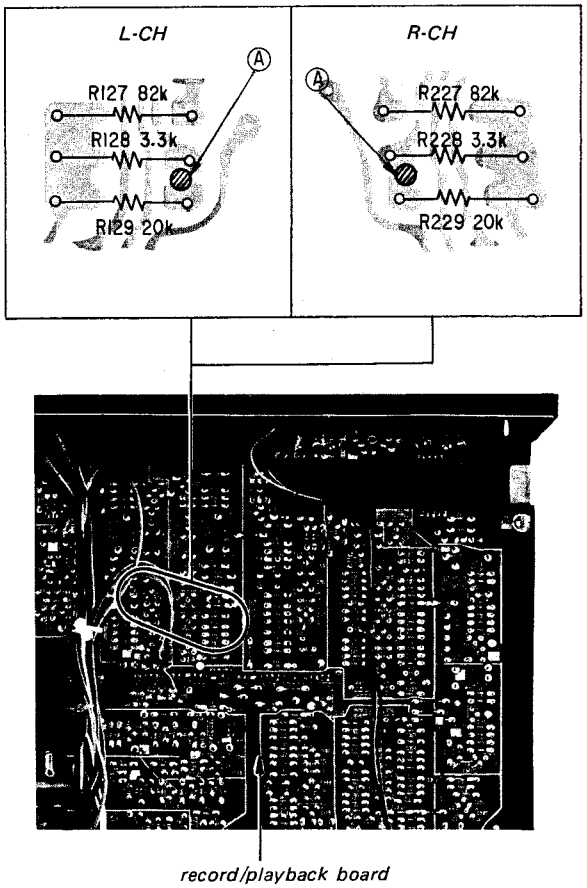


Specification:

EQ switch	LINE OUT (FIXED) level
NORMAL	0.26 – 0.37V (-9.5 – -6.5 dB)
Fe-Cr or Cr-O_2	0.16 – 0.22V (-14 – -11 dB)

Adjustment Location:

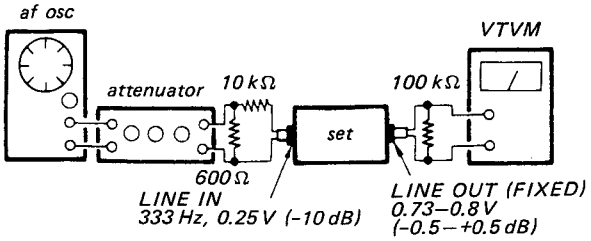
Bridge patterns	High frequency level
(open)	↑ up
Ⓐ	↓ down



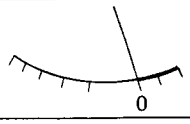
VU Meter Adjustment

Procedure:

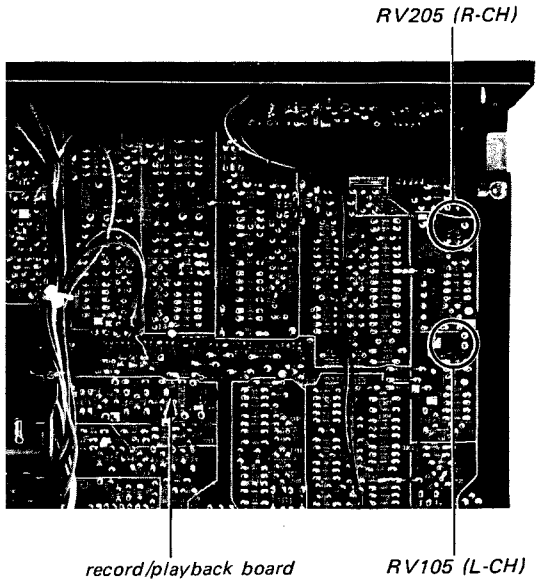
1. Mode: Standard record (See page 15.)



2.

Adjust	VU meter reading: 0VU
RV105 (L-CH) RV205 (R-CH)	

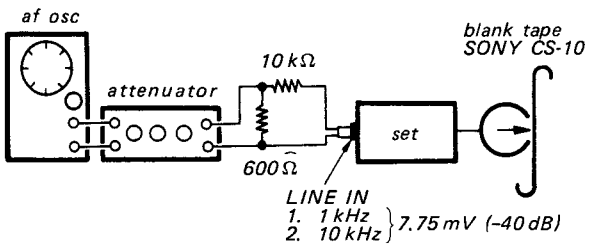
Adjustment Location:



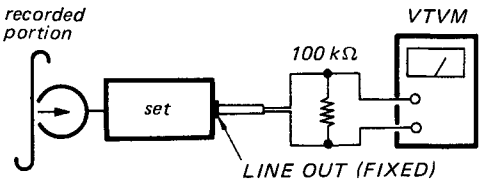
Record Bias Adjustment

Procedure:

1. Mode: Standard record (See page 15.)



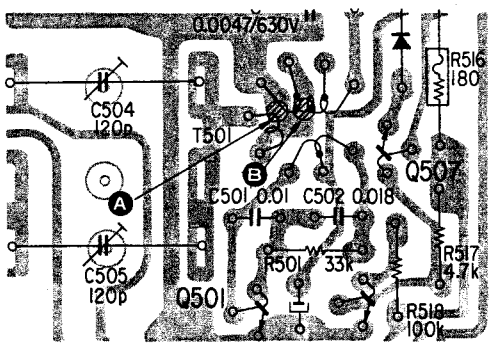
2. Mode: Playback

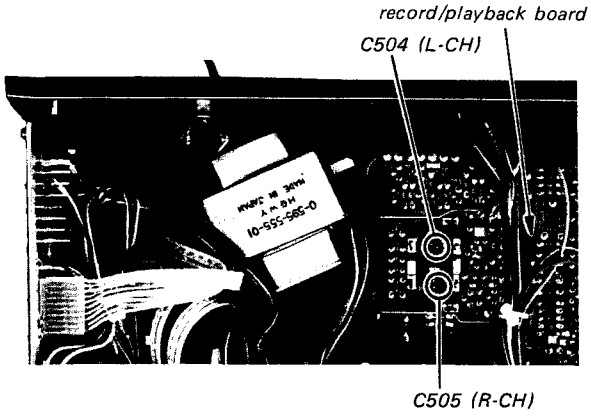


Adjust C504 (L-CH) and C505 (R-CH) to make 10 kHz and 1 kHz signal output levels equal.

Adjustment Location:

Note: Normally, patterns at Ⓐ are bridged. If adjustment is not made with trimmers fully tightened, unsolder the bridged patterns at Ⓐ and at Ⓑ, then repeat the adjustment.

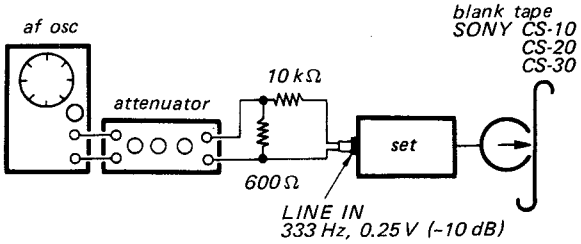




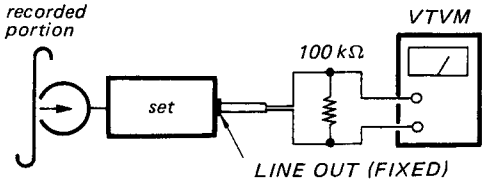
Record Level Adjustment

Procedure:

1. Mode: Standard record (See page 15.)



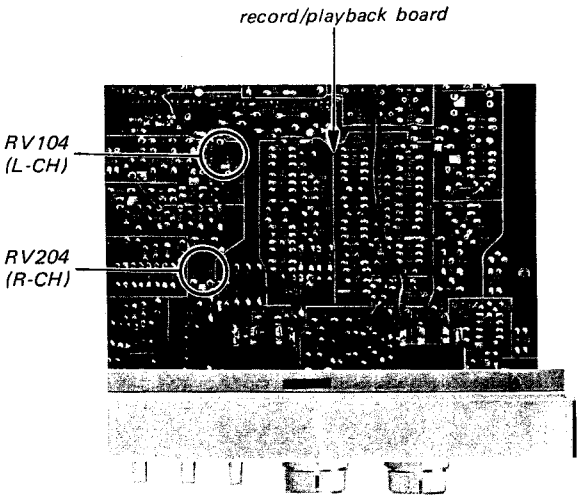
2. Mode: Playback



Specification:

SONY tape	LINE OUT level
CS-10	0.73 – 0.8 V (–0.5 – +0.5 dB)
CS-20	0.55 – 0.73 V (–0.5 – –3 dB)
CS-30	0.65 – 0.9 V (–1.5 – +1.5 dB)

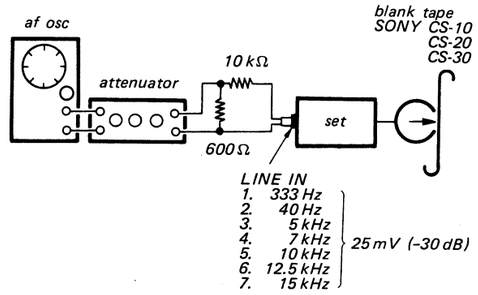
Adjustment Location:



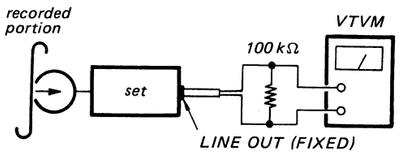
Overall Frequency Response Adjustment

Procedure:

1. Mode: Standard record (See page 15.)



2. Mode: Playback

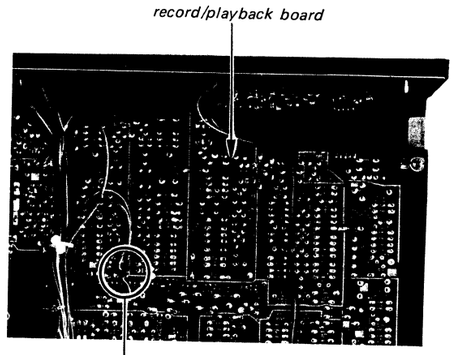


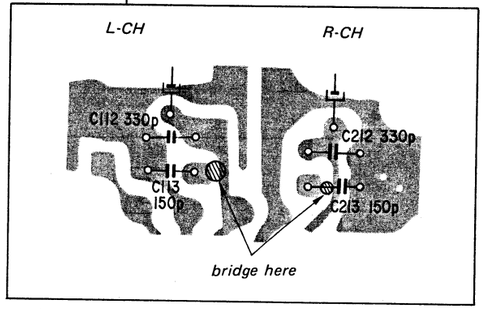
3. Measure LINE OUT level with 333Hz output level as reference.

Tape / freq.	CS-10	CS-20	CS-30
40 Hz	$^{+2}_{-1}$ dB	$^{+2}_{-1}$ dB	$^{+2}_{-1}$ dB
5 kHz	±2 dB	$^{+3}_{-2}$ dB	±2 dB
7 kHz			
10 kHz		$^{+4}_{-1}$ dB	
12.5 kHz	±3 dB	$^{+4}_{-2}$ dB	±3 dB
15 kHz			

If the 15 kHz level is out of the specification, adjust by bridging patterns.
The 10 kHz level will go up (about +1.3 dB), and the 15 kHz level will go up (about +2 dB).

Adjustment Location:



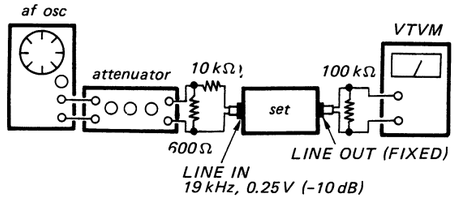


19 kHz Filter Adjustment

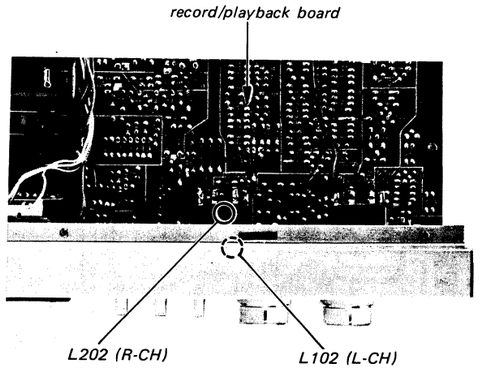
Procedure:

1. Mode: Standard record (See page 15.)
2. DOLBY NR switch: ON (FILTER ON)

   Adjust L102 (L-CH) and L202 (R-CH) for minimum VTVM reading.



Adjustment Location:

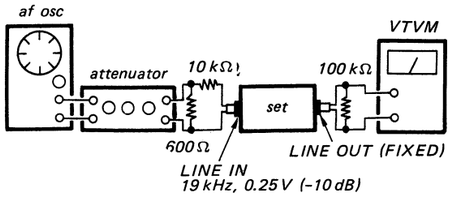


19 kHz Filter Adjustment

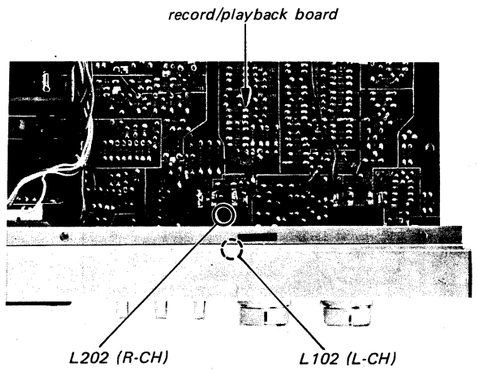
Procedure:

1. Mode: Standard record (See page 15.)
2. DOLBY NR switch: ON (FILTER ON)

   Adjust L102 (L-CH) and L202 (R-CH) for minimum VTVM reading.



Adjustment Location:

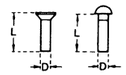


1/4 WATT CARBON RESISTORS

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-244-601-11	10	1-244-625-11	100	1-244-649-11	1.0k	1-244-673-11	10 k	1-244-697-11	100k	1-244-721-11	1.0M	1-244-745-11
1.1	1-244-602-11	11	1-244-626-11	110	1-244-650-11	1.1k	1-244-674-11	11 k	1-244-698-11	110k	1-244-722-11	1.1M	1-244-746-11
1.2	1-244-603-11	12	1-244-627-11	120	1-244-651-11	1.2k	1-244-675-11	12 k	1-244-699-11	120k	1-244-723-11	1.2M	1-244-747-11
1.3	1-244-604-11	13	1-244-628-11	130	1-244-652-11	1.3k	1-244-676-11	13 k	1-244-700-11	130k	1-244-724-11	1.3M	1-244-748-11
1.5	1-244-605-11	15	1-244-629-11	150	1-244-653-11	1.5k	1-244-677-11	15 k	1-244-701-11	150k	1-244-725-11	1.5M	1-244-749-11
1.6	1-244-606-11	16	1-244-630-11	160	1-244-654-11	1.6k	1-244-678-11	16 k	1-244-702-11	160k	1-244-726-11	1.6M	1-244-750-11
1.8	1-244-607-11	18	1-244-631-11	180	1-244-655-11	1.8k	1-244-679-11	18 k	1-244-703-11	180k	1-244-737-11	1.8M	1-244-751-11
2.0	1-244-608-11	20	1-244-632-11	200	1-244-656-11	2.0k	1-244-680-11	20 k	1-244-704-11	200k	1-244-728-11	2.0M	1-244-752-11
2.2	1-244-609-11	22	1-244-633-11	220	1-244-657-11	2.2k	1-244-681-11	22 k	1-244-705-11	220k	1-244-729-11	2.2M	1-244-753-11
2.4	1-244-610-11	24	1-244-634-11	240	1-244-658-11	2.4k	1-244-682-11	24 k	1-244-706-11	240k	1-244-730-11	2.4M	1-244-754-11
2.7	1-244-611-11	27	1-244-635-11	270	1-244-659-11	2.7k	1-244-683-11	27 k	1-244-707-11	270k	1-244-731-11	2.7M	1-244-755-11
3.0	1-244-612-11	30	1-244-636-11	300	1-244-660-11	3.0k	1-244-684-11	30 k	1-244-708-11	300k	1-244-732-11	3.0M	1-244-756-11
3.3	1-244-613-11	33	1-244-637-11	330	1-244-661-11	3.3k	1-244-685-11	33 k	1-244-709-11	330k	1-244-733-11	3.3M	1-244-757-11
3.6	1-244-614-11	36	1-244-638-11	360	1-244-662-11	3.6k	1-244-686-11	36 k	1-244-710-11	360k	1-244-734-11	3.6M	1-244-758-11
3.9	1-244-615-11	39	1-244-639-11	390	1-244-663-11	3.9k	1-244-687-11	39 k	1-244-711-11	390k	1-244-735-11	3.9M	1-244-759-11
4.3	1-244-616-11	43	1-244-640-11	430	1-244-664-11	4.3k	1-244-688-11	43 k	1-244-712-11	430k	1-244-736-11	4.3M	1-244-760-11
4.7	1-244-617-11	47	1-244-641-11	470	1-244-665-11	4.7k	1-244-689-11	47 k	1-244-713-11	470k	1-244-737-11	4.7M	1-244-761-11
5.1	1-244-618-11	51	1-244-642-11	510	1-244-666-11	5.1k	1-244-690-11	51 k	1-244-714-11	510k	1-244-738-11	5.1M	1-244-762-11
5.6	1-244-619-11	56	1-244-643-11	560	1-244-667-11	5.6k	1-244-691-11	56 k	1-244-715-11	560k	1-244-739-11		
6.2	1-244-620-11	62	1-244-644-11	620	1-244-668-11	6.2k	1-244-692-11	62 k	1-244-716-11	620k	1-244-740-11		
6.8	1-244-621-11	68	1-244-645-11	680	1-244-669-11	6.8k	1-244-693-11	68 k	1-244-717-11	680k	1-244-741-11		
7.5	1-244-622-11	75	1-244-646-11	750	1-244-670-11	7.5k	1-244-694-11	75 k	1-244-718-11	750k	1-244-742-11		
8.2	1-244-623-11	82	1-244-647-11	820	1-244-671-11	8.2k	1-244-695-11	82 k	1-244-719-11	820k	1-244-743-11		
9.1	1-244-624-11	91	1-244-648-11	910	1-244-672-11	9.1k	1-244-696-11	91 k	1-244-720-11	910k	1-244-744-11		

HARDWARE NOMENCLATURE

Screw: — P 3 x 10
- *L: Length in mm*
- *D: Diameter in mm*
- *Type of head*
- *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	

SECTION 4 DIAGRAMS

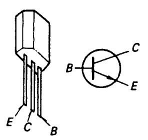
4-1. MOUNTING DIAGRAM – System Control Section –

– Conductor Side –

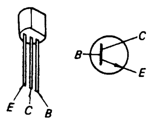
Replacement Semiconductors

For replacement, use semiconductors except in ( ).

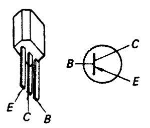
Q601, 602, 604–606
Q608, 609, 611–616 : 2SC634A
Q618, 621



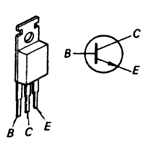
Q603, 607, 617: 2SC1475



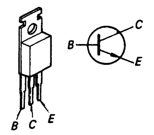
Q610: 2SA678



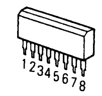
Q619, 620: 2SC1173



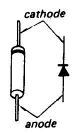
Q1001: 2SC1061 (2SC1419)



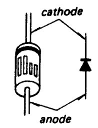
IC1001: CX065A (CX065)



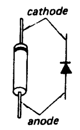
D601–616, 620
D621, 630, 631 : 1S1555 (1T40)



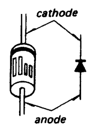
D617: EQB01-12 (EQA01-12R)
D622: EQB01-08 (EQA01-08R)



D618, 619
D623–629
(US, Canadian model) : 10E2
D623, 625, 627, 629
(AEP, E model)

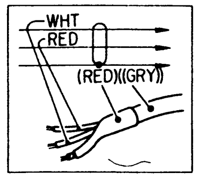


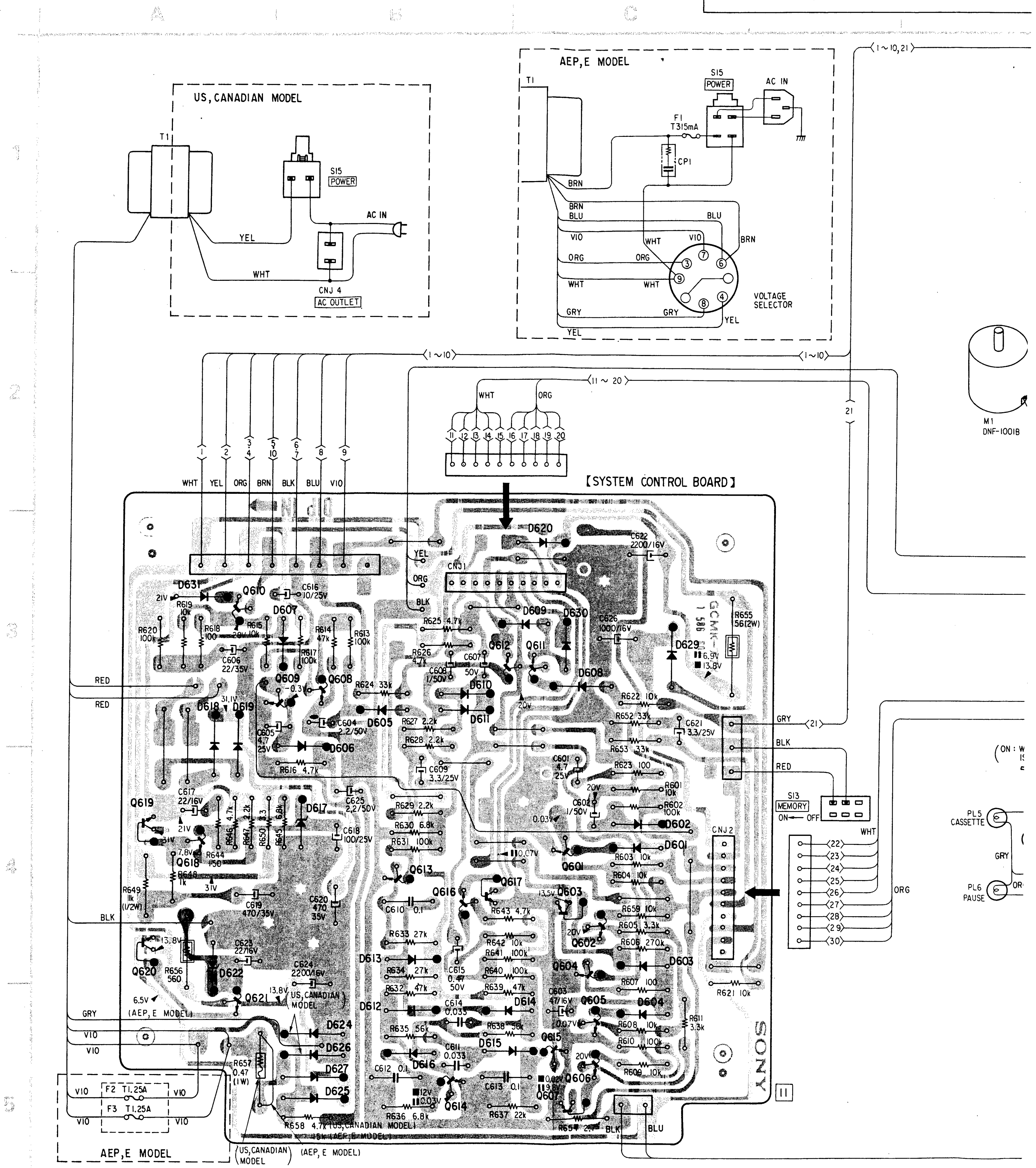
(SIB01-02)



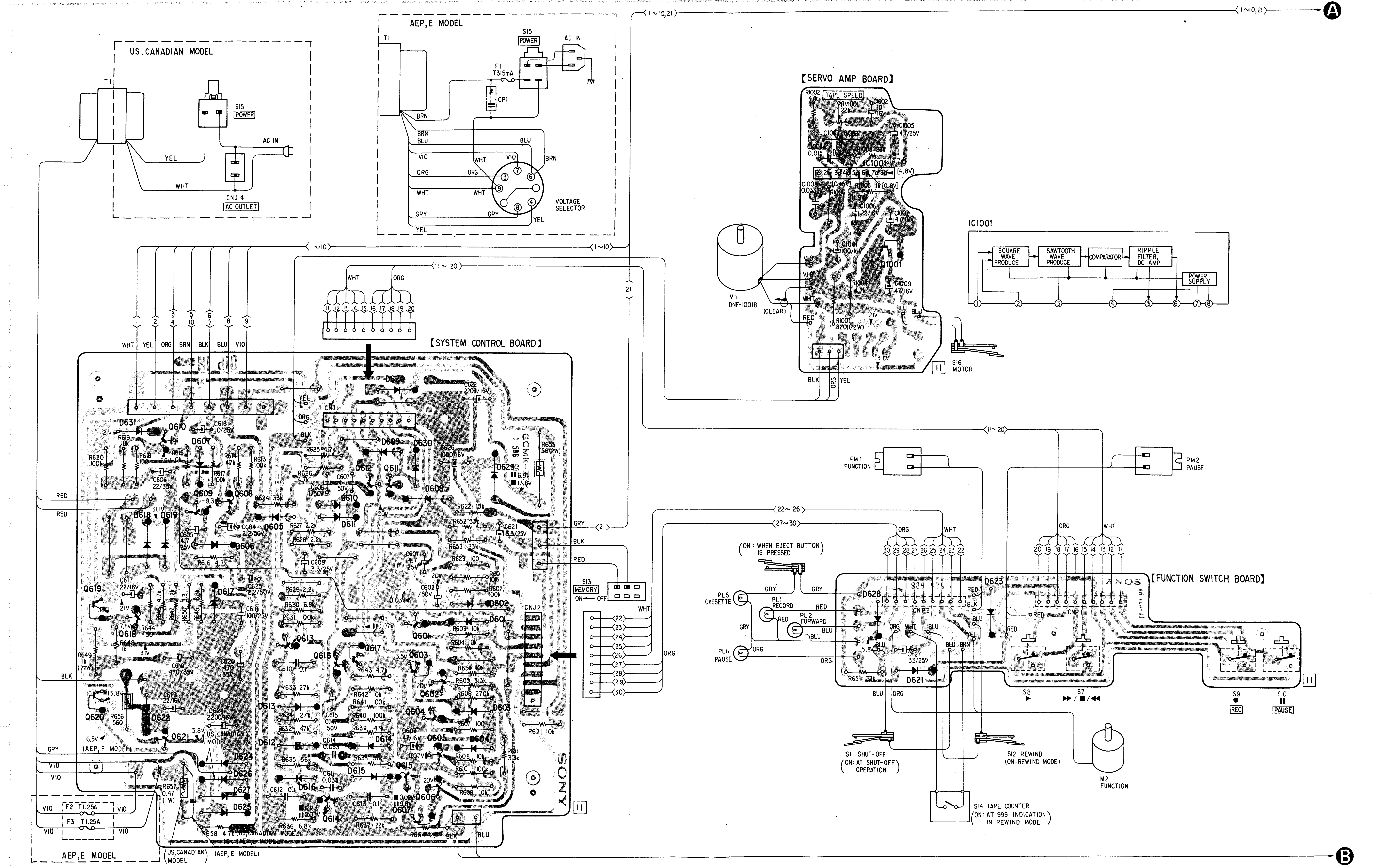
Note:

- ▒ : B+ pattern.
- [ ]: FORWARD
  ■ : STOP
  ıı : PAUSE
- Color code of sleeving over the end of the jacket.





Q · IC	619 620	618	610 621	609	608		613	616 614	617	612	611	615	601 603 607	602 604 605 606					
D		631 622	618	619	607	606 617	624 626 627 625	605	613 612 616	610 611	614 615	609	620 630	608	602 601 603 604	629			

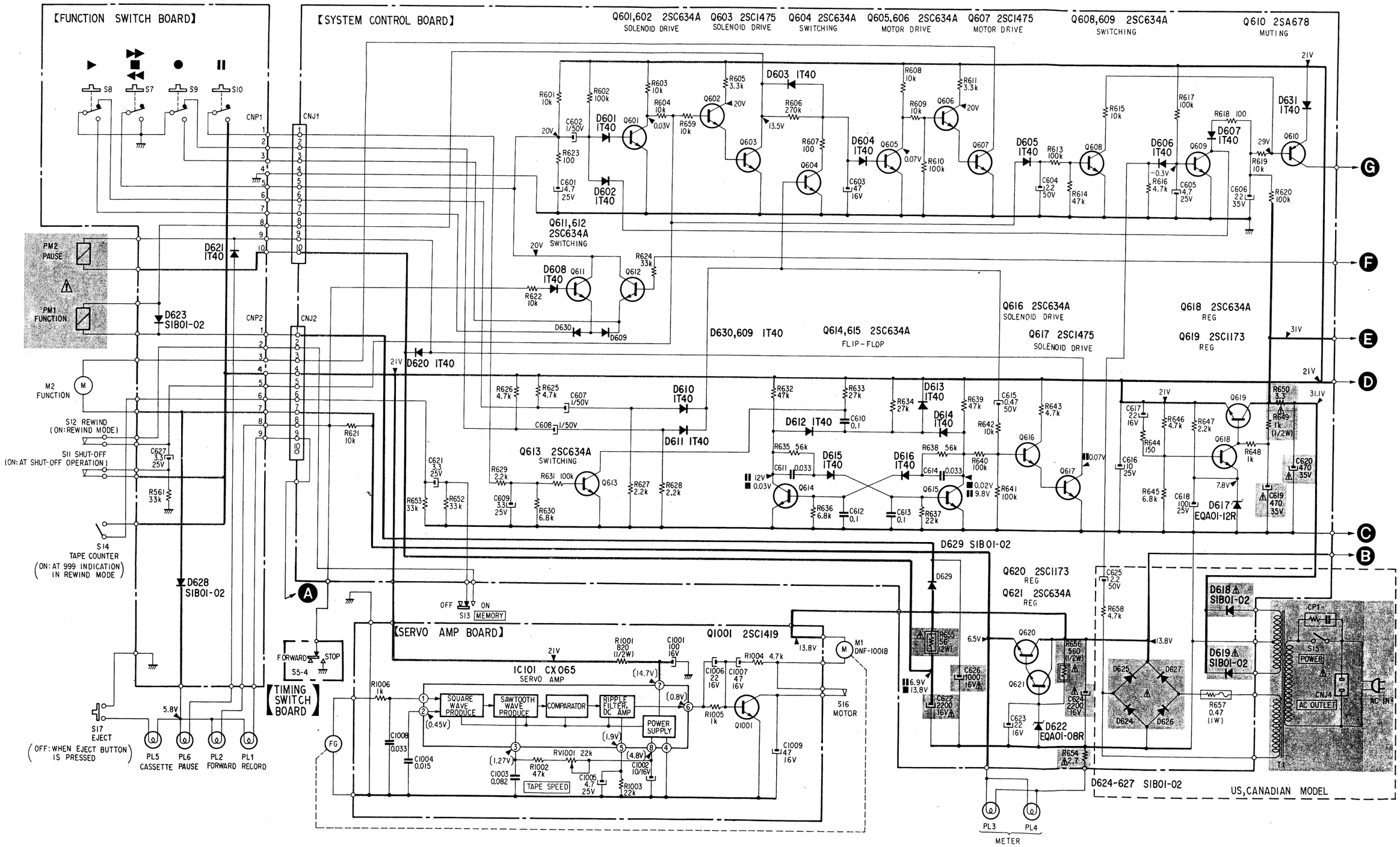


Q · IC	619 620	618	610 621	609	608	613	616 614	617	612	611	615	601 603 607	602 604 605 606	IC1001	1001		Q · IC
D	631	618 622	619	607 617	606	624 626 627 625	605	613 612 616	610 611	614 615	609	620 630	608	602 601 603 604	629	628 621 623	D

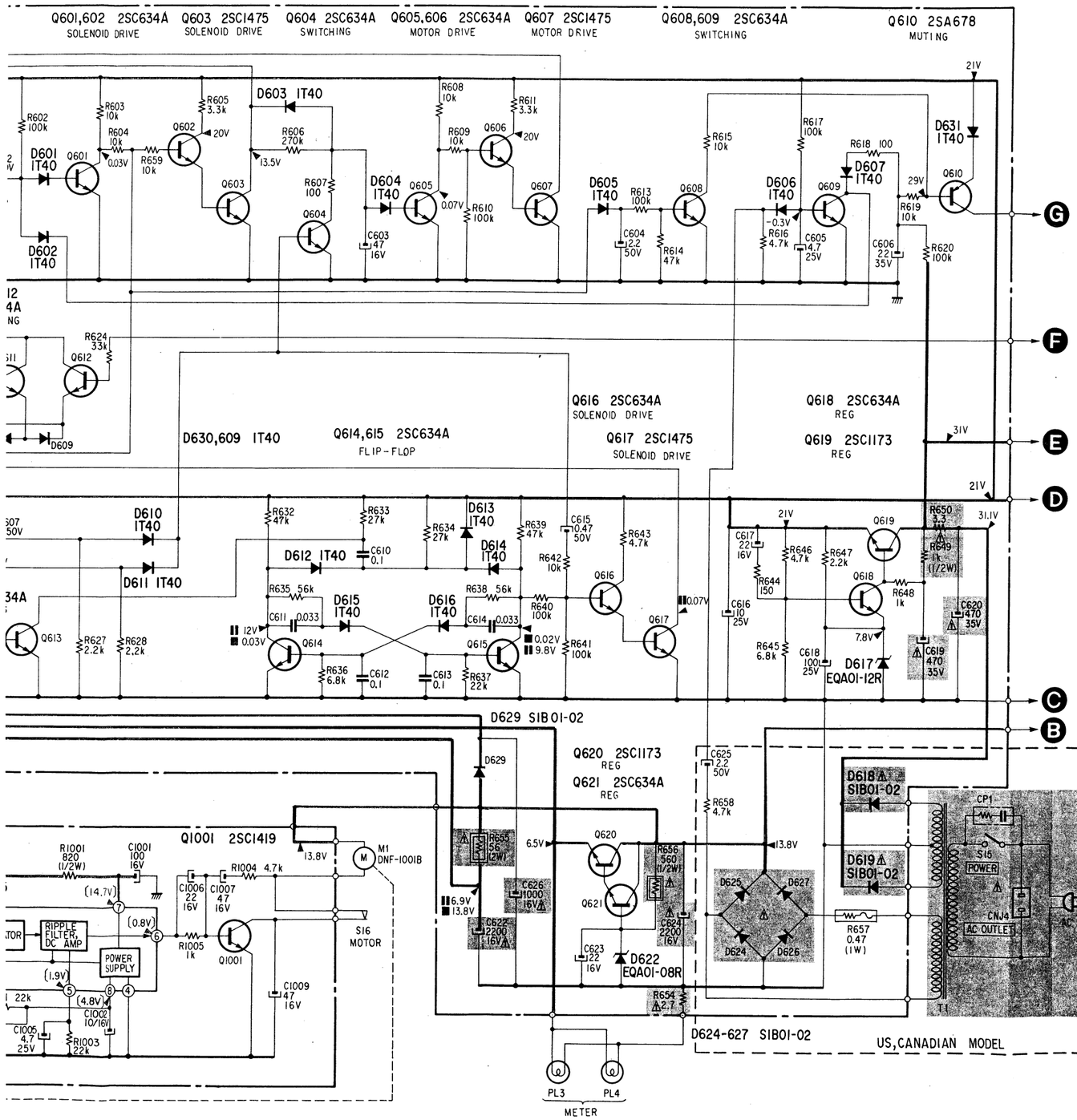
4-2. SCHEMATIC DIAGRAM — System Control Section —

— System Control Section —

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



⚠ mark
art number



Note:

- All capacitors are in μF unless otherwise noted. pF = μμF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, ¼W unless otherwise noted. kΩ = 1000Ω, MΩ = 1000kΩ
- : nonflammable resistor.
- : fusible resistor.
- : 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 (20kΩ/V).
  [ ]: FORWARD
  ■: STOP
  ▮▮: PAUSE
- Voltage variations may be noted due to normal production tolerances.
- Switch

Ref. No.	Switch	Position
S7	STOP, REWIND, FAST FORWARD	OFF
S8	FORWARD	OFF
S9	REC	OFF
S10	PAUSE	OFF
S11	SHUT-OFF	OFF
S12	REWIND	OFF
S13	MEMORY	OFF
S14	TAPE COUNTER	OFF
S15	POWER	OFF
S16	MOTOR	OFF
S17	EJECT	OFF

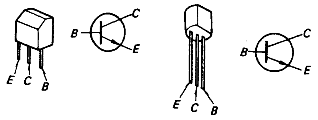
4-3. MOUNTING DIAGRAM

— Amp Section —

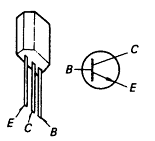
— Conductor Side —

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

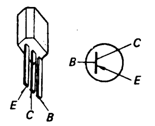
Q101–105, 107, 111 / Q201–205, 207, 211: 2SC1345



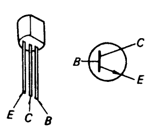
Q106, 108–110, 113 / Q206, 208–210, 213 / Q114–116, 224–226 / Q301–305, 502–508 / Q401–405: 2SC634A (2SC633A)



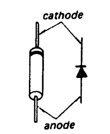
Q112, 212: 2SA678 (2SA677)



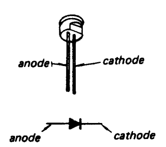
Q501: 2SC1475 (2SC1318)

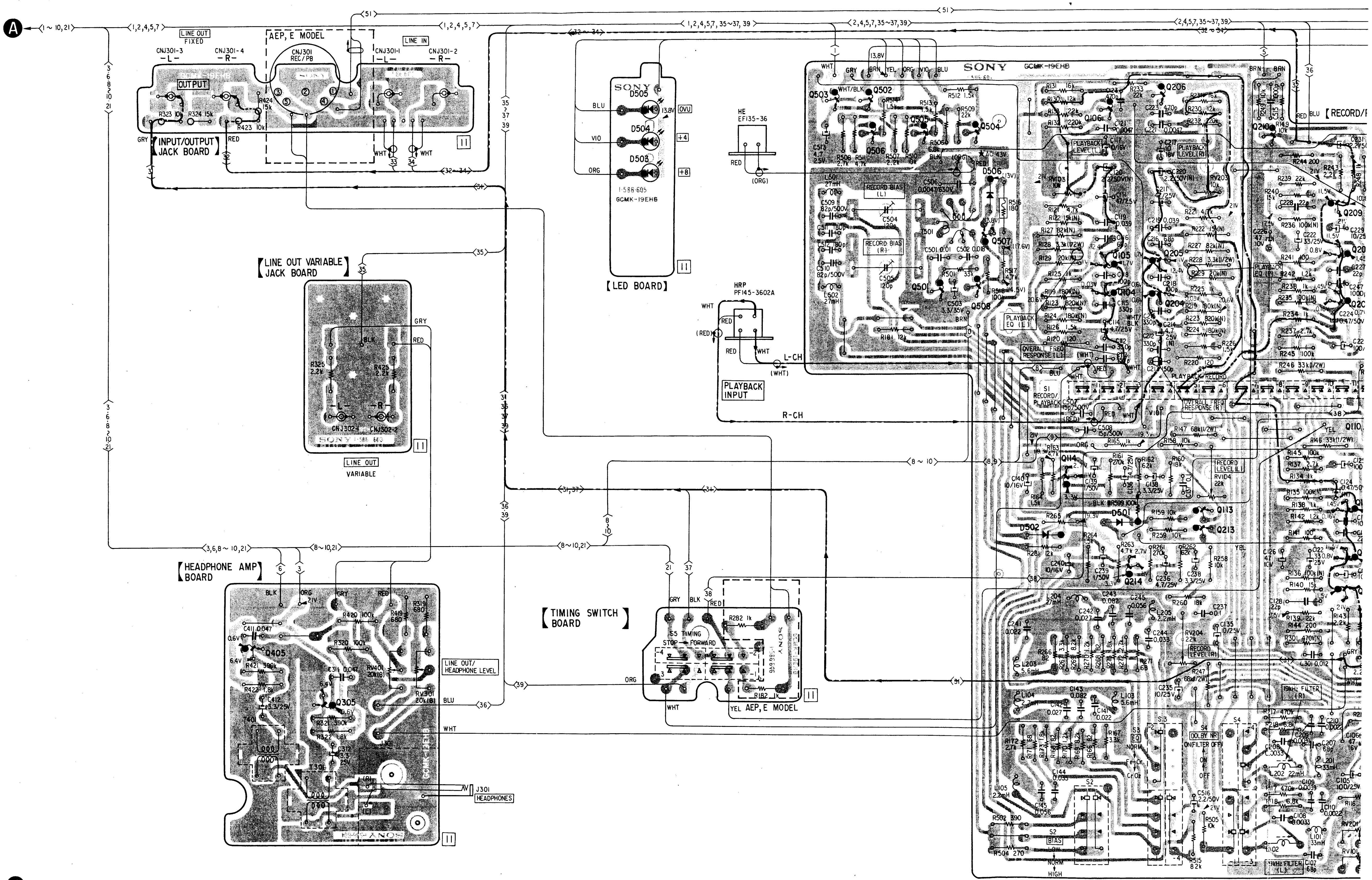


D301, 302 / D401, 402: 1S1555
D303, 403: 1T22A
D304, 404 / D501, 502, 506: 1S1555 (1T40)



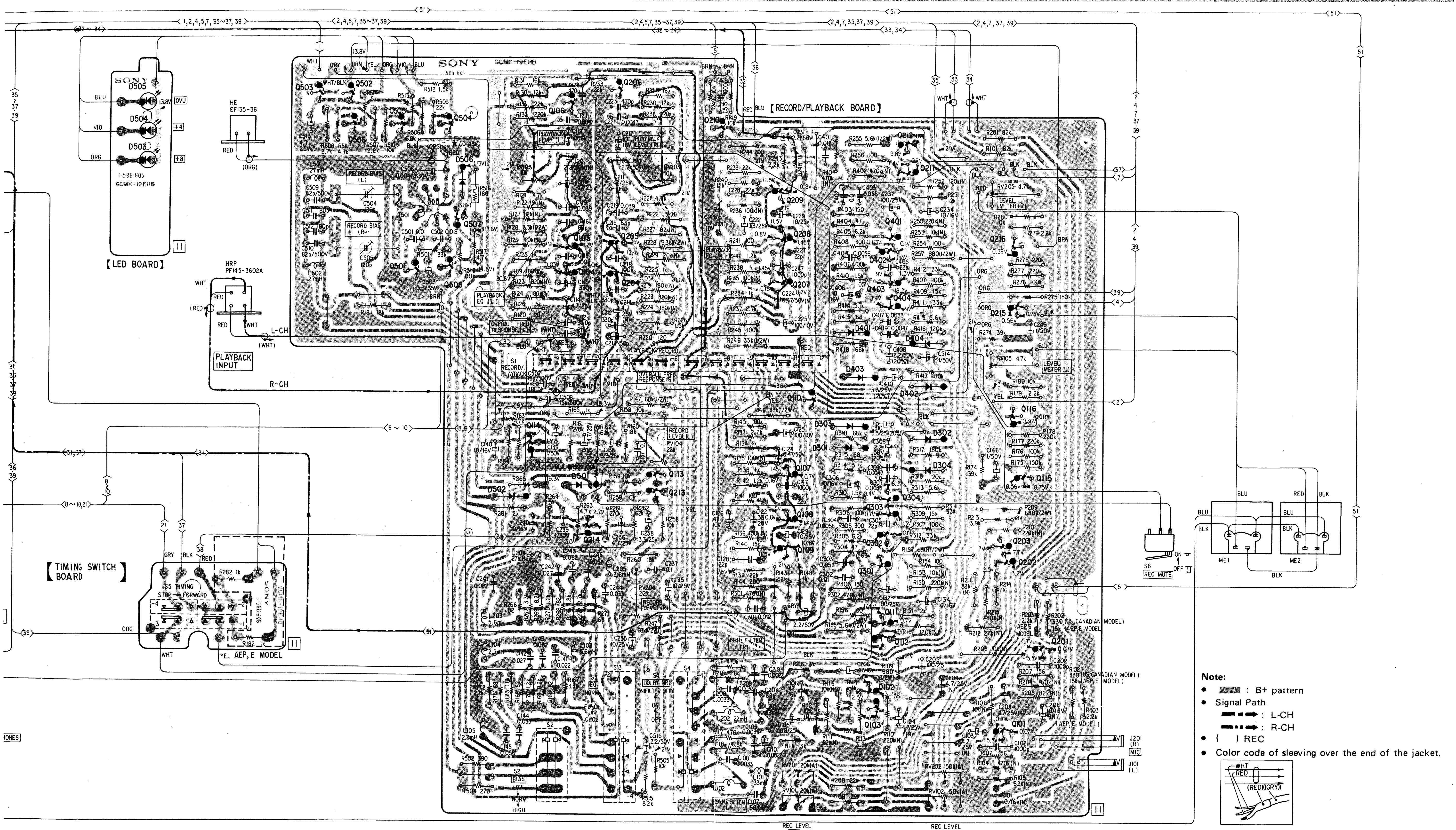
D503–505: SLP24B





Q	405 305 503 502 506 505 501 504 508 507 114 106 105 104 214 206 205 204 113 213 210 209 208 207 107 108 109
D	505 504 503 506 502 501

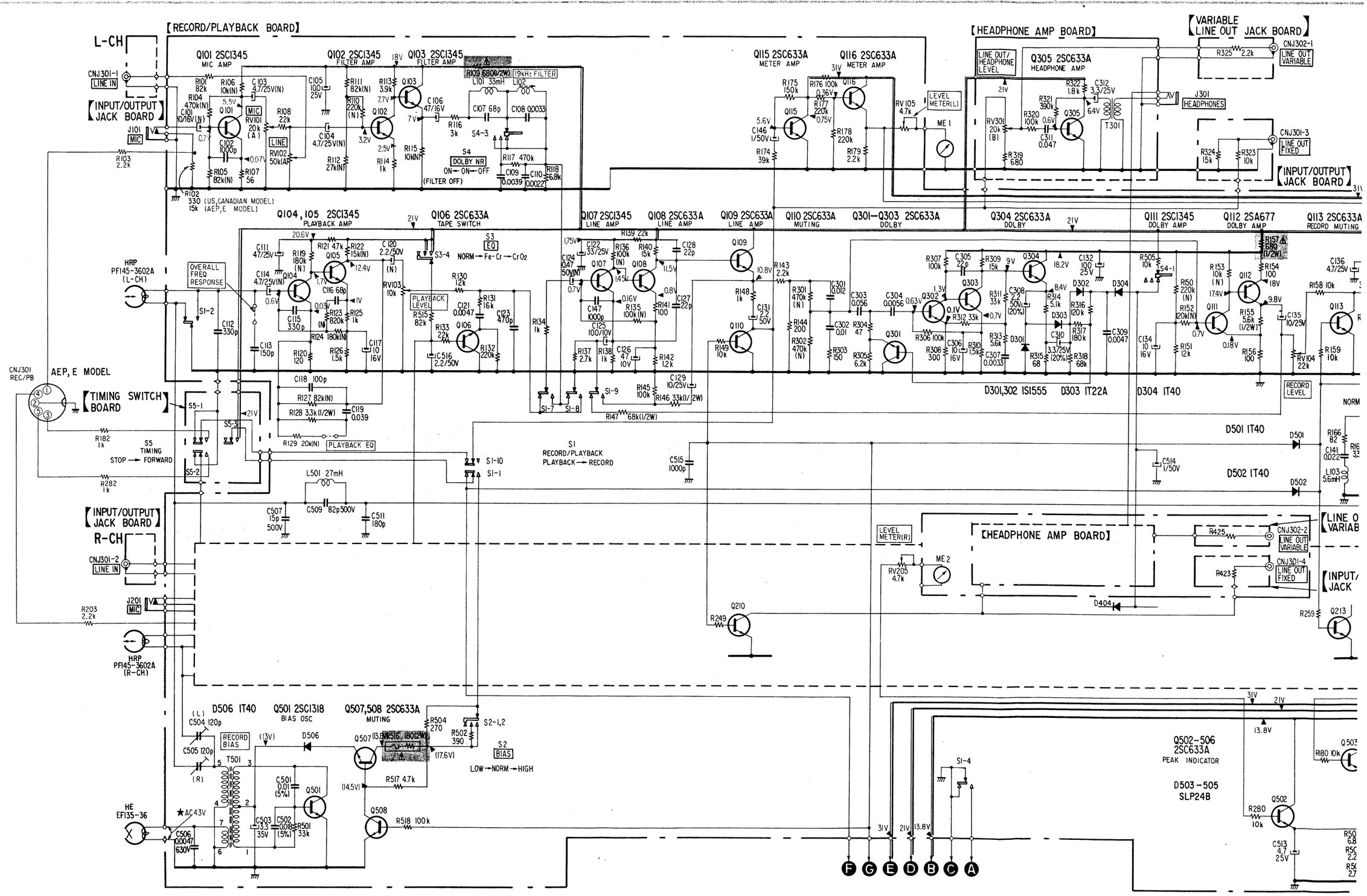
 TC-K6/K6B

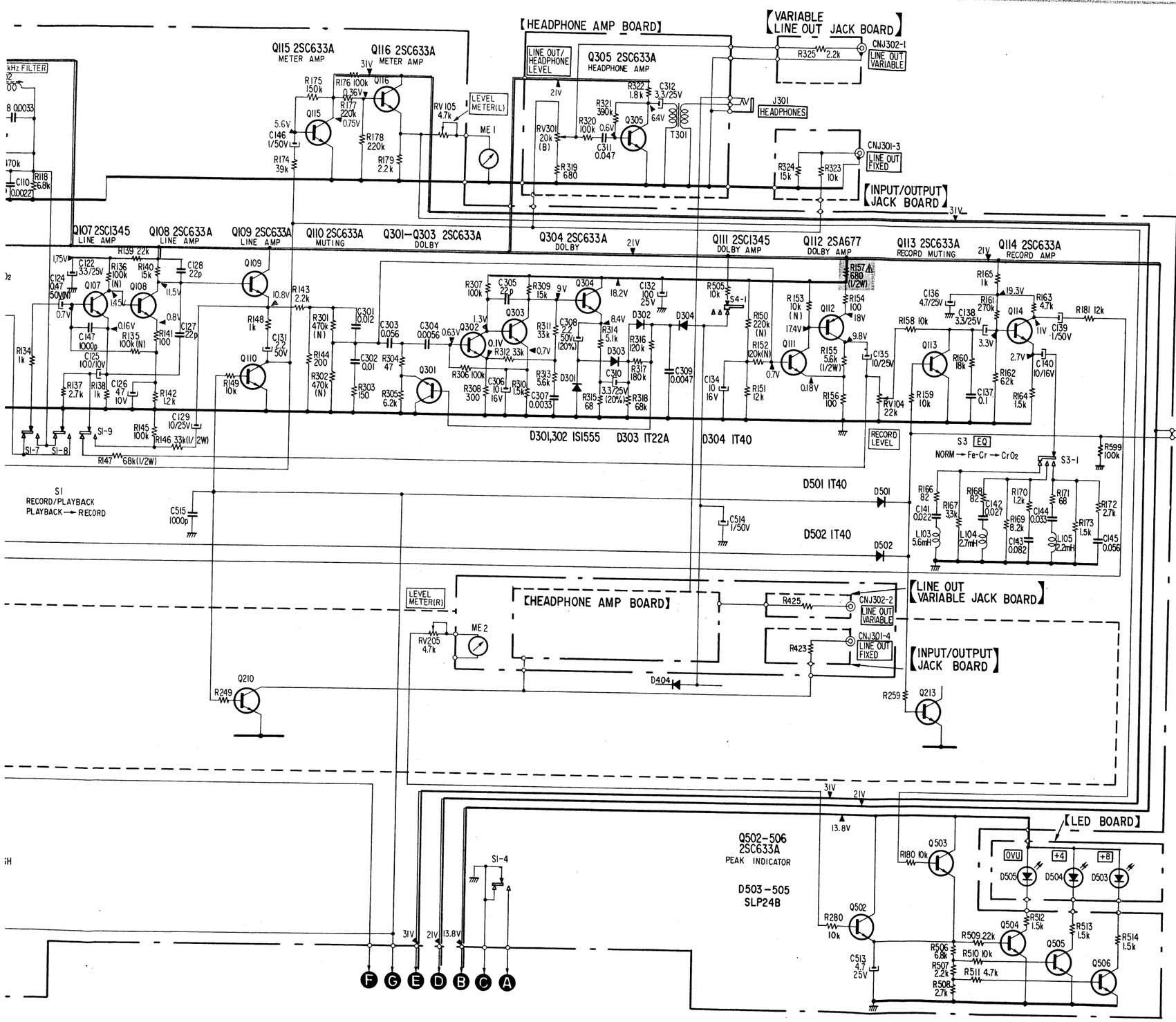


Note:

- ▨ : B+ pattern
- Signal Path
  - ➡ : L-CH
  - ➡ : R-CH
- (   ) REC
- Color code of sleeving over the end of the jacket.

503, 502 506, 505, 501, 504 508 507, 114, 106 105 104, 214, 206 205 204, 113 213, 210, 209 208 207, 107 108 109, 110, 301 102 103, 401 402 403, 111,304,212 112,303,211 302,404 301, 203 202 101,116, 216 215, 115, 201	Q
505 504 503, 506, 502, 501, 401 303 301, 403, 404 402 302 304	D


【RECORD/PLAYBACK BOARD】
L-CH
CNJ301-1 LINE IN
【INPUT/OUTPUT JACK BOARD】
J101 MIC
Q101 2SC1345 MIC AMP
Q102 2SC1345 FILTER AMP
Q103 2SC1345 FILTER AMP
R109 680Ω(2W) 19kHz FILTER
L101 33mH L102
C107 68p C108 0.0033
S4 DOLBY NR ON→ON→OFF (FILTER OFF)
R102 330 (US,CANADIAN MODEL) 15k (AEP,E MODEL)
Q104,105 2SC1345 PLAYBACK AMP
Q106 2SC633A TAPE SWITCH
S3 EQ NORM→Fe-Cr→CrO2
HRP PF145-3602A (L-CH)
OVERALL FREQ RESPONSE
S1-2
PLAYBACK LEVEL
PLAYBACK EQ
AEP, E MODEL
CNJ301 REC/PB
【TIMING SWITCH BOARD】
S5-1
S5-3
S5-2
S5 TIMING STOP→FORWARD
L501 27mH
C507 15p 500V
C509 82p 500V
C511 180p
S1-10
S1-1
S1 RECORD/PLAYBACK PLAYBACK→RECORD
C515 1000p
【INPUT/OUTPUT JACK BOARD】
R-CH
CNJ301-2 LINE IN
J201 MIC
R203 2.2k
HRP PF145-3602A (R-CH)
HE EF135-36
★AC 43V
C506 0.0047 630V
D506 IT40
Q501 2SC1318 BIAS OSC
Q507,508 2SC633A MUTING
RECORD BIAS
C504 120p (L)
C505 120p (R)
T501
C501 0.01 (5%)
C503 13 35V
C502 0.018 (5%)
R501 33k
R504 270
R502 390
S2-1,2
S2 BIAS LOW→NORM→HIGH
R517 4.7k
R518 100k
Q115 2SC633A METER AMP
Q116 2SC633A METER AMP
LEVEL METER(L)
RV105 4.7k
ME1
【HEADPHONE AMP BOARD】
LINE OUT/HEADPHONE LEVEL
Q305 2SC633A HEADPHONE AMP
【VARIABLE LINE OUT JACK BOARD】
CNJ302-1 LINE OUT VARIABLE
J301 HEADPHONES
CNJ301-3 LINE OUT FIXED
【INPUT/OUTPUT JACK BOARD】
Q107 2SC1345 LINE AMP
Q108 2SC633A LINE AMP
Q109 2SC633A LINE AMP
Q110 2SC633A MUTING
Q301–Q303 2SC633A DOLBY
Q304 2SC633A DOLBY
Q111 2SC1345 DOLBY AMP
Q112 2SA677 DOLBY AMP
Q113 2SC633A RECORD MUTING
D301,302 1S1555 D303 1T22A
D304 1T40
D501 1T40
D502 1T40
RECORD LEVEL
S1-7 S1-8 S1-9
R147 68k(1/2W)
【HEADPHONE AMP BOARD】
LEVEL METER(R)
ME2
RV205 4.7k
D404
CNJ302-2 LINE OUT VARIABLE
CNJ301-4 LINE OUT FIXED
Q210
R249
Q213
Q502–506 2SC633A PEAK INDICATOR
D503–505 SLP24B
S1-4
Q502
Q503
F G E D B C A



Note:

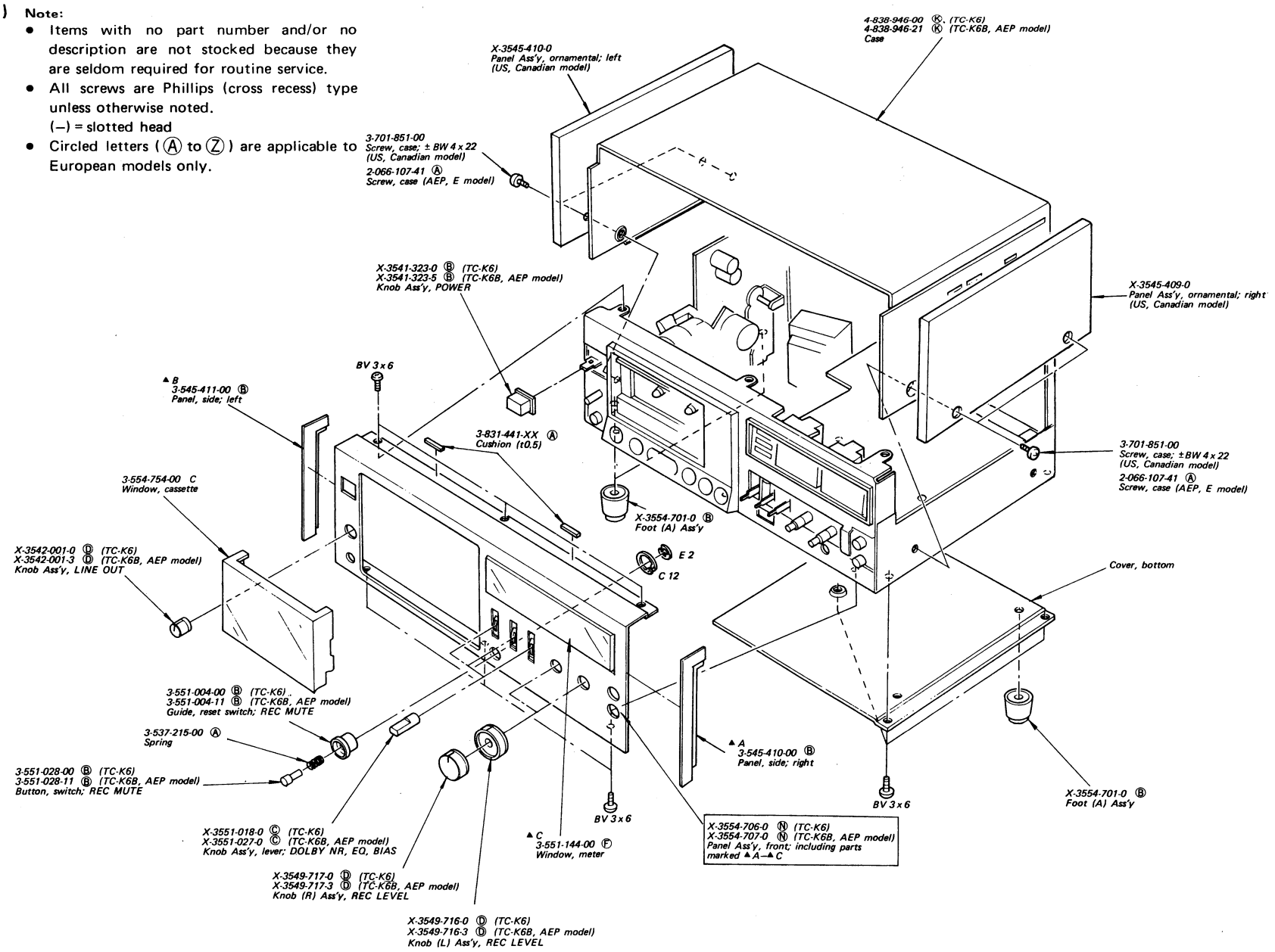
- All capacitors are in μF unless otherwise noted. pF = μμF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, ¼W unless otherwise noted. kΩ = 1000Ω, MΩ = 1000kΩ
- : fusible resistor.
- (N) : low-noise resistor and capacitor.
- 0% indicates component tolerance.
- : 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 (20kΩ/V).
  ( ) : RECORD
- AC voltage readings indicated by ★ in the bias oscillator circuit are taken with a VTVM.
- Voltage variations may be noted due to normal production tolerances.
- Switch

Ref. No.	Switch	Position
S1-1 to S1-12	RECORD/PLAYBACK	PLAYBACK
S2	BIAS	LOW
S3-1, S3-2, S3-4	EQ	NORM
S4-1, S4-2, S4-4	DOLBY NR	OFF
S5-1 to S5-4	TIMING	STOP
S6	REC MUTE	OFF

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

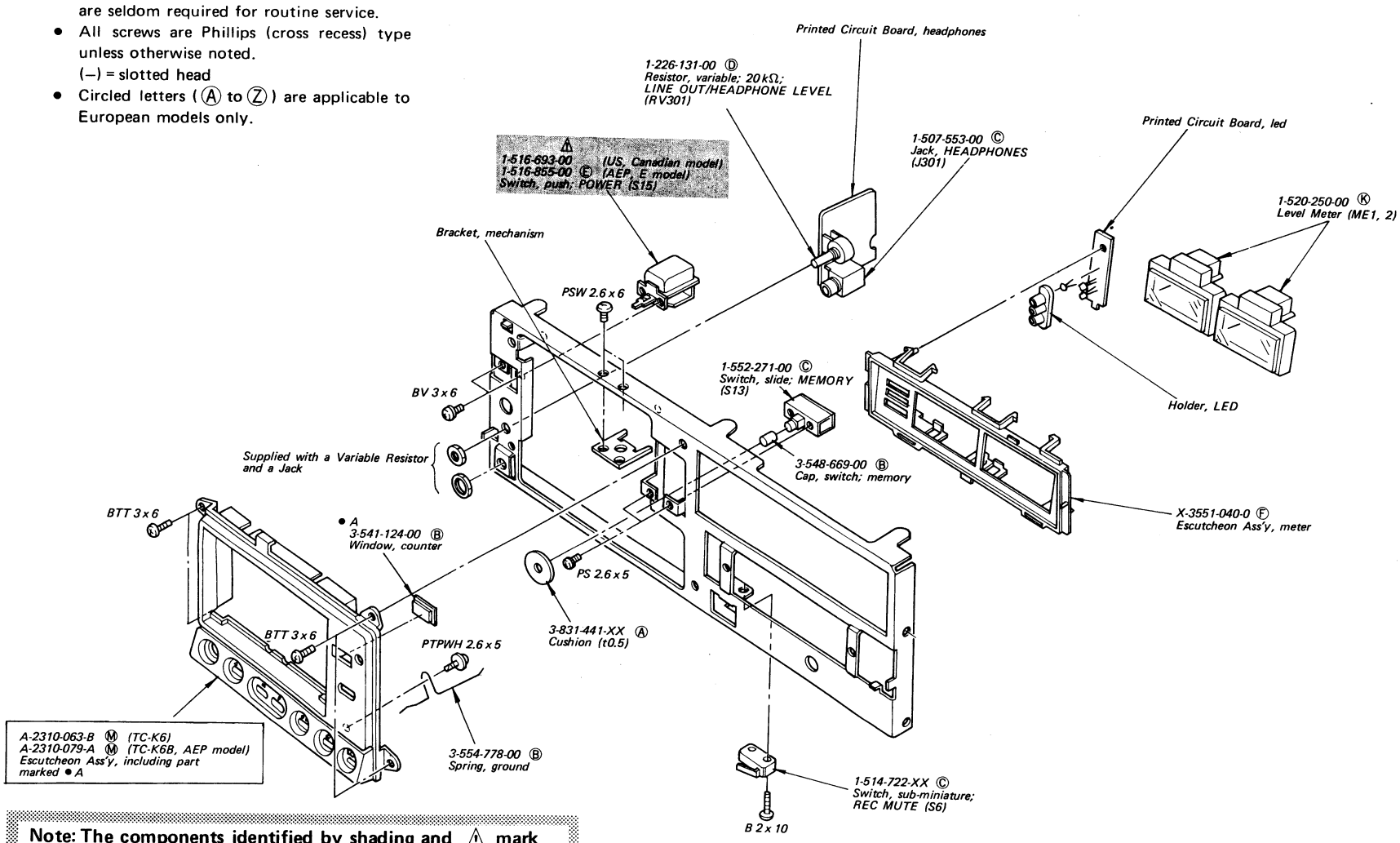
(1) **Note:**

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



(2) **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 (Ⓐ to Ⓩ) are applicable to European models only.



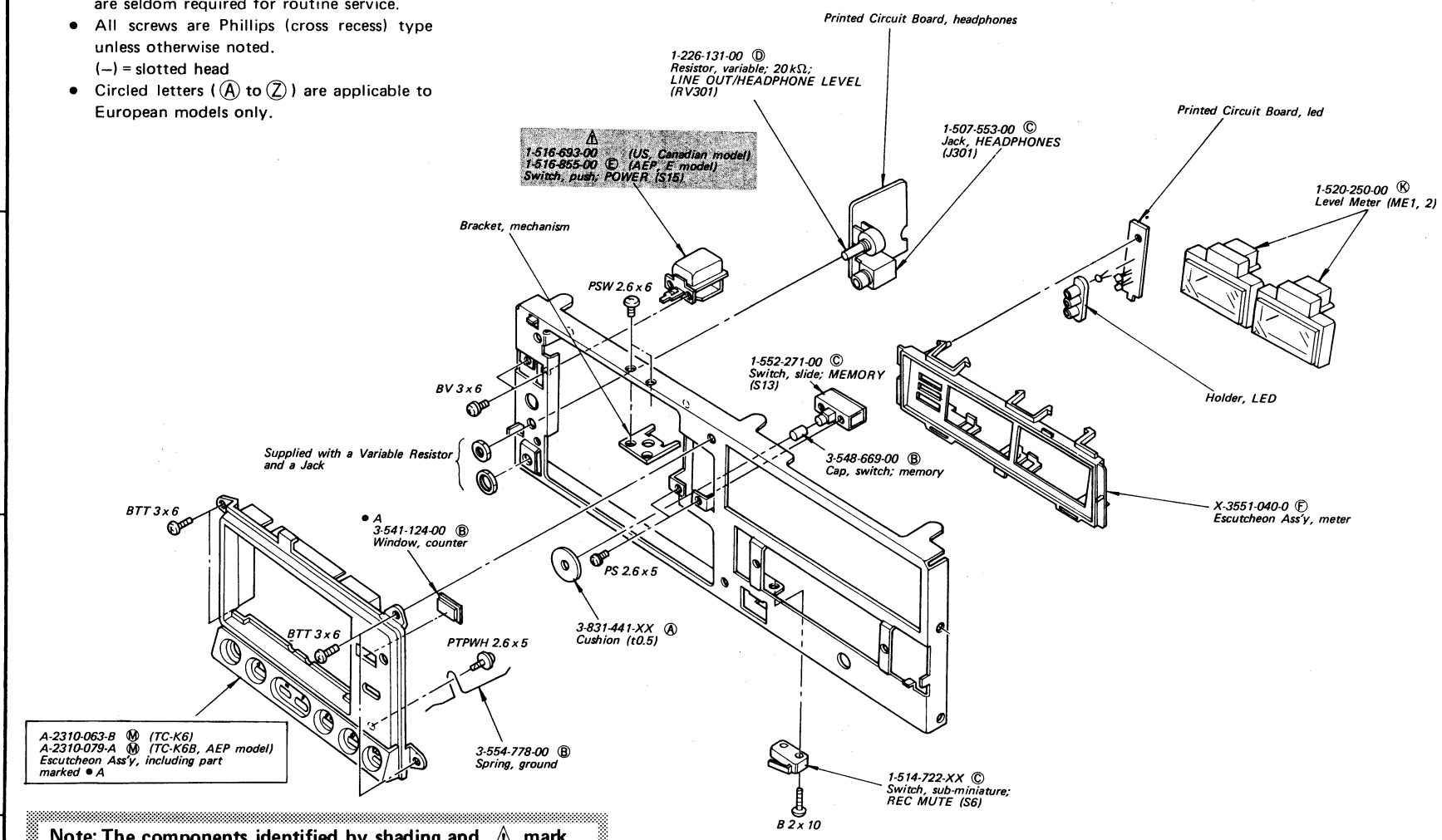
Note: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

(3)

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

(2) **Note:**

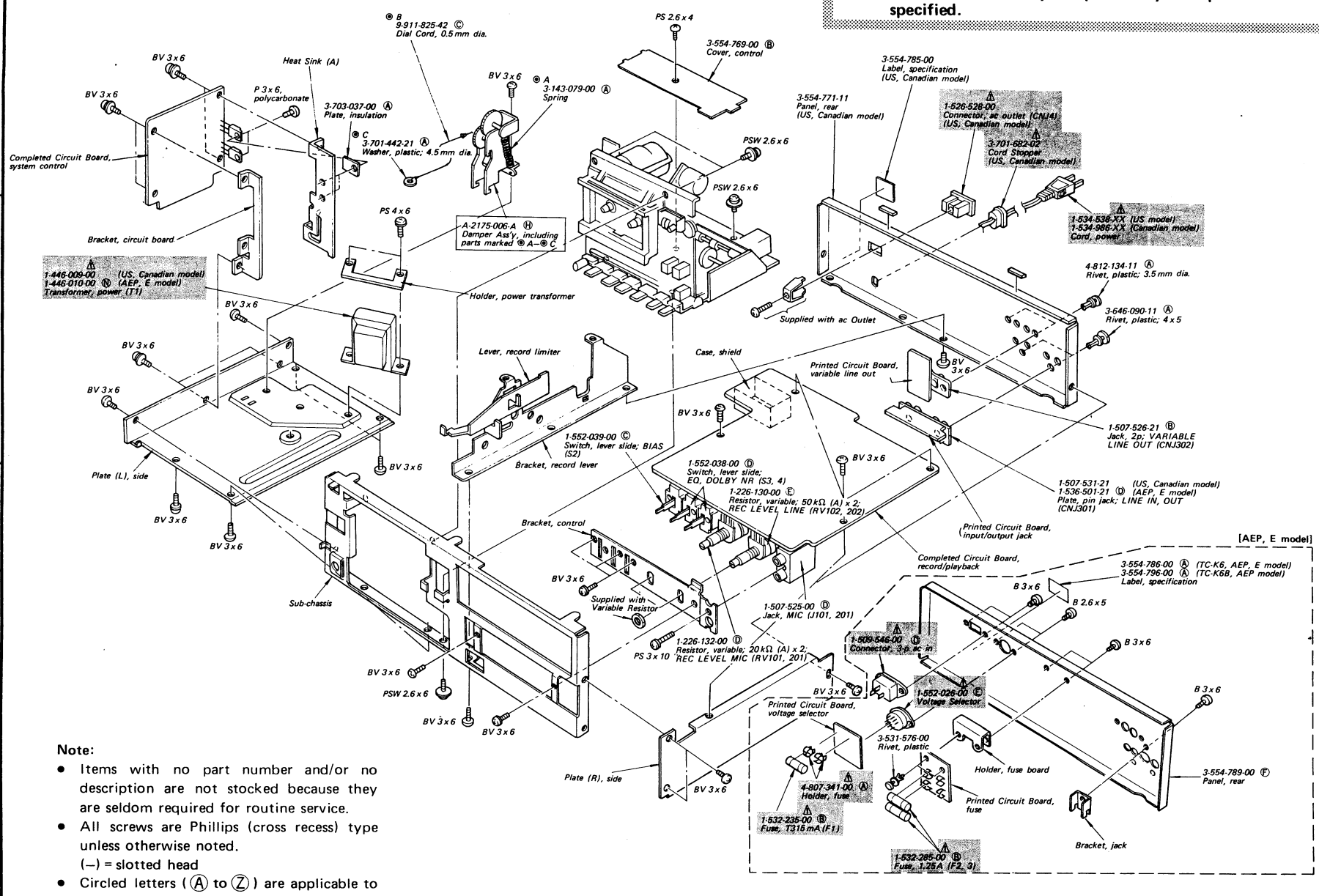
- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
  (–) = slotted head
- Circled letters (Ⓐ to Ⓩ) are applicable to European models only.



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

(3)

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

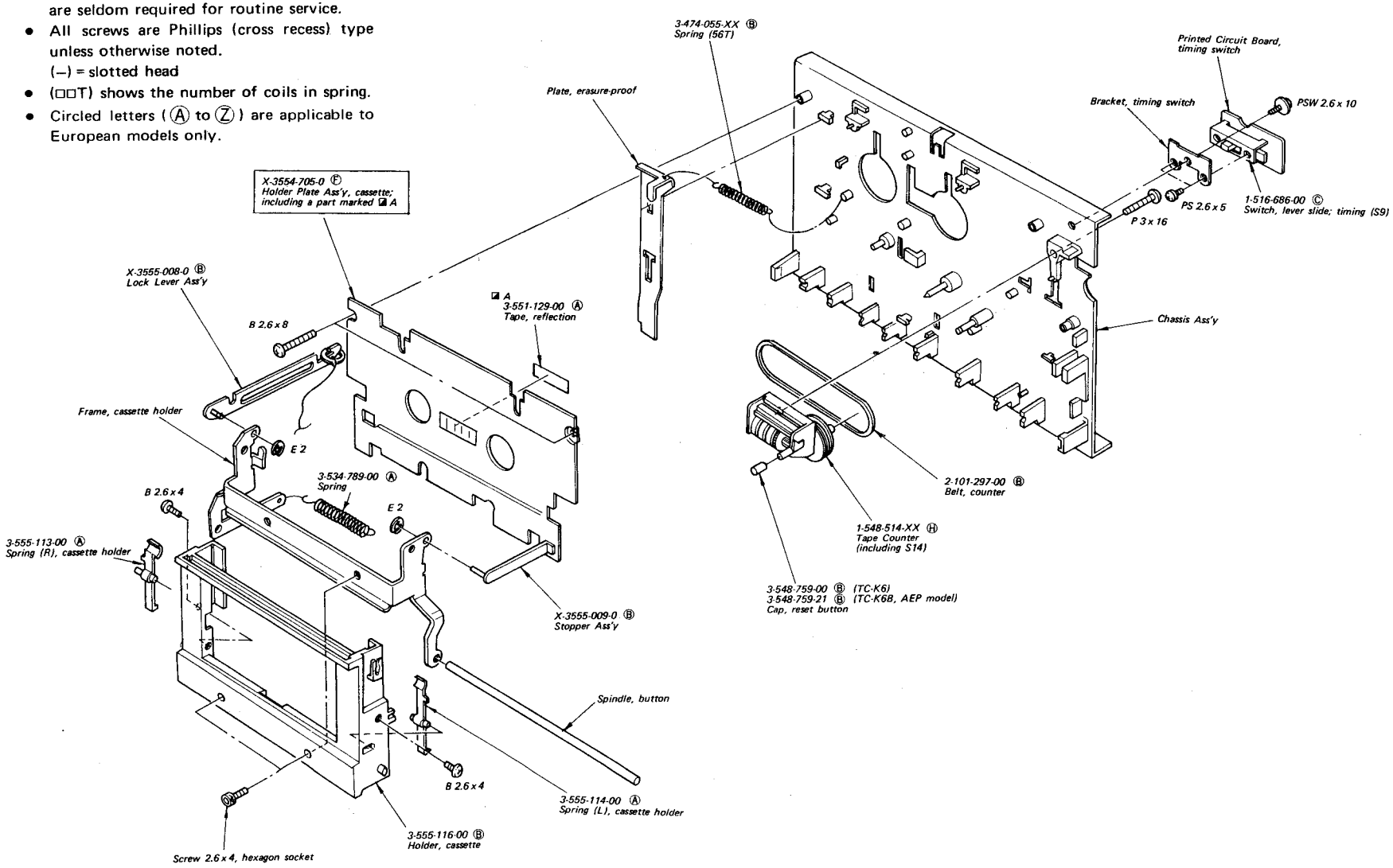


Note:

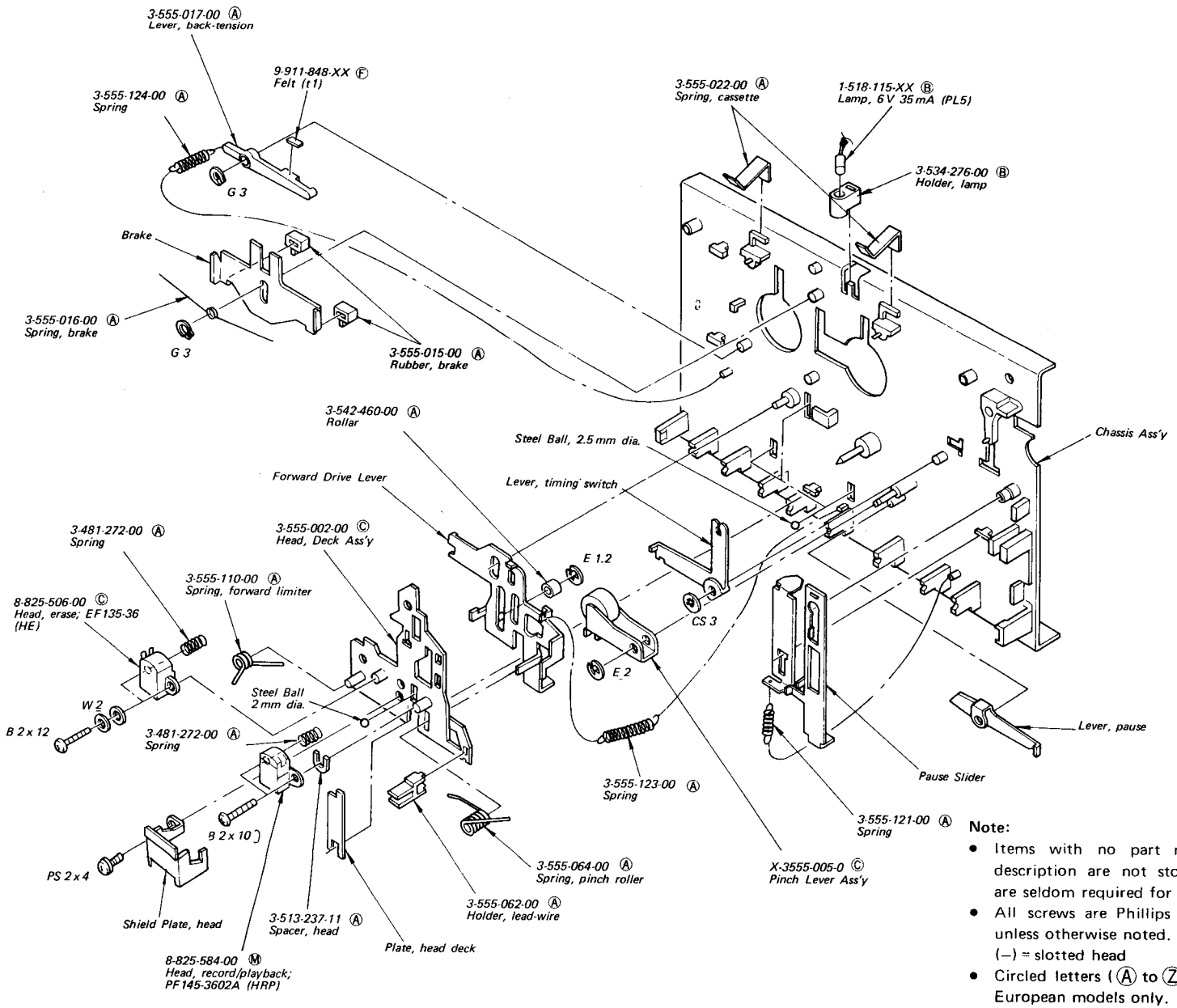
- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
  (–) = slotted head
- Circled letters (Ⓐ to Ⓩ) are applicable to European models only.

(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
- (□□T) shows the number of coils in spring.
- Circled letters (Ⓐ to Ⓩ) are applicable to European models only.



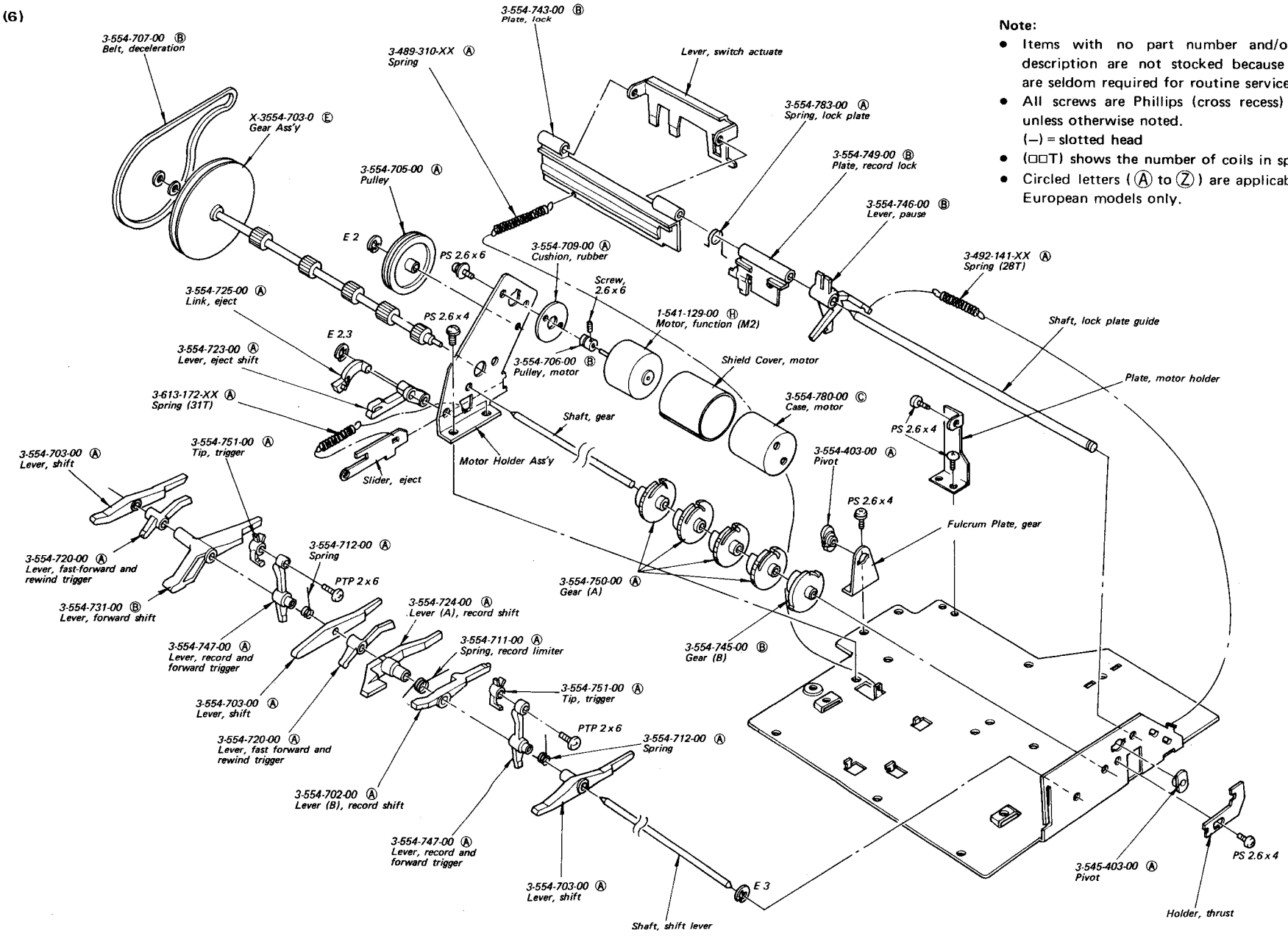
(5)



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

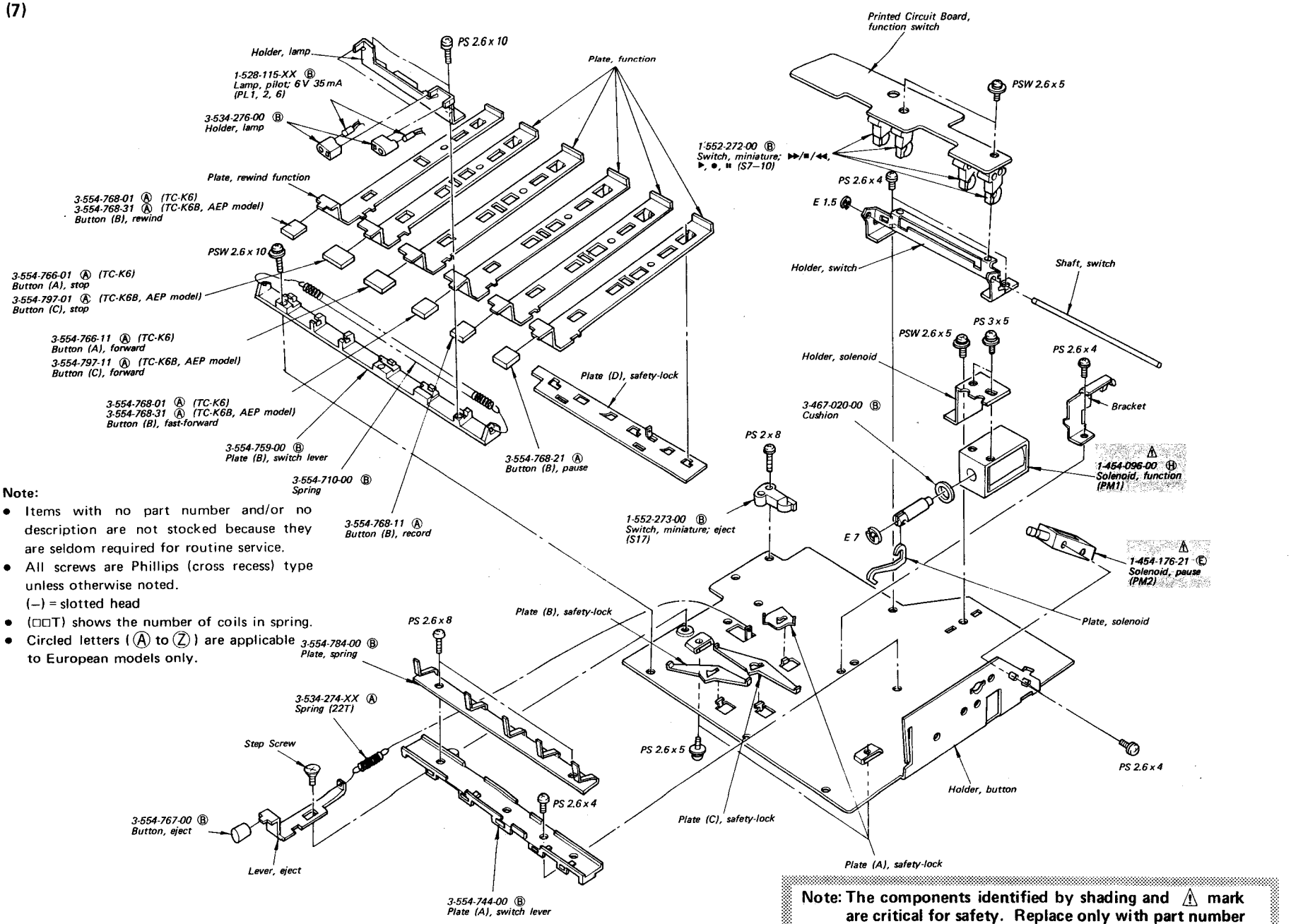
(6)



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 (Ⓐ to Ⓩ) are applicable to European models only.

(7)



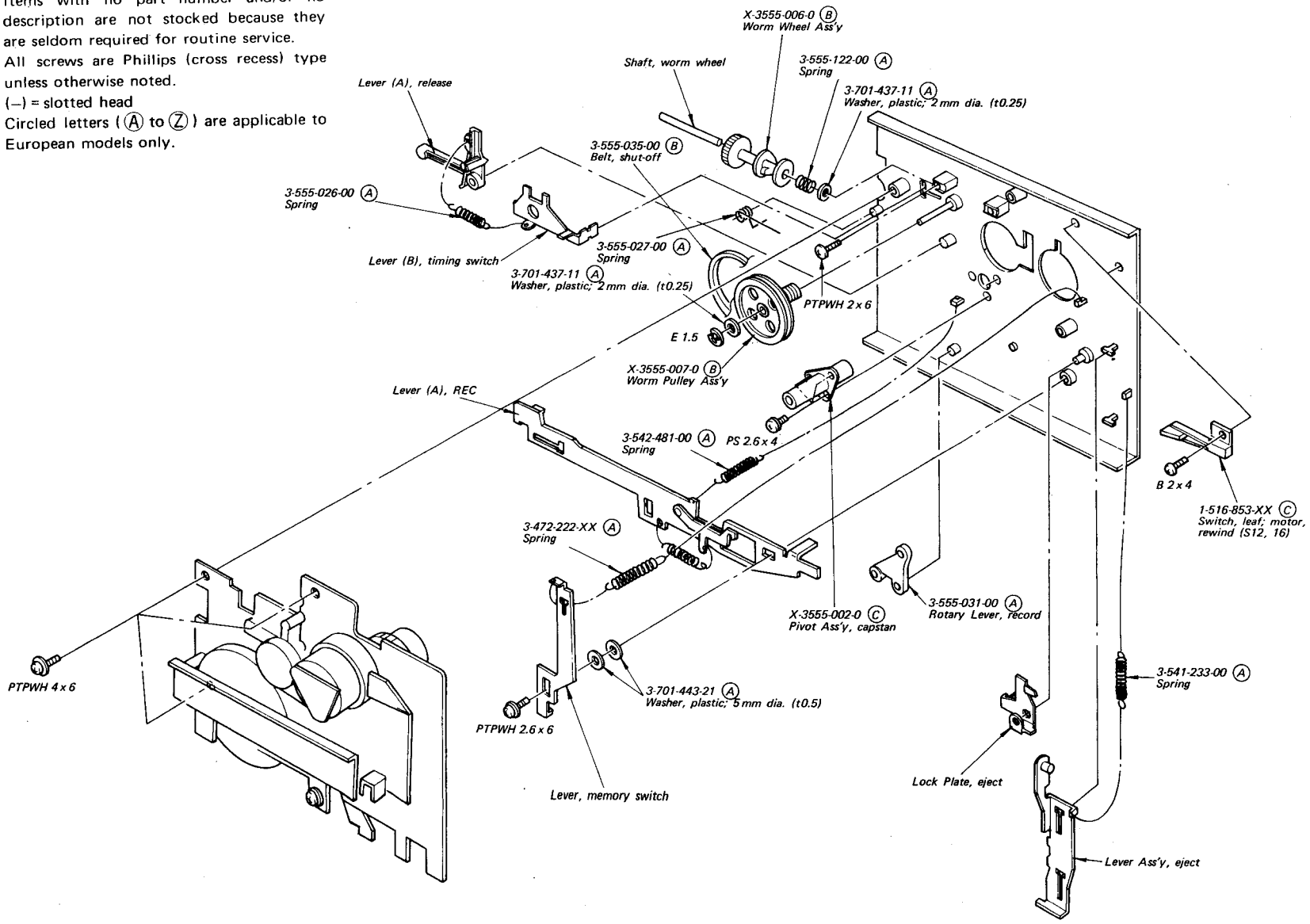
Note:

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

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

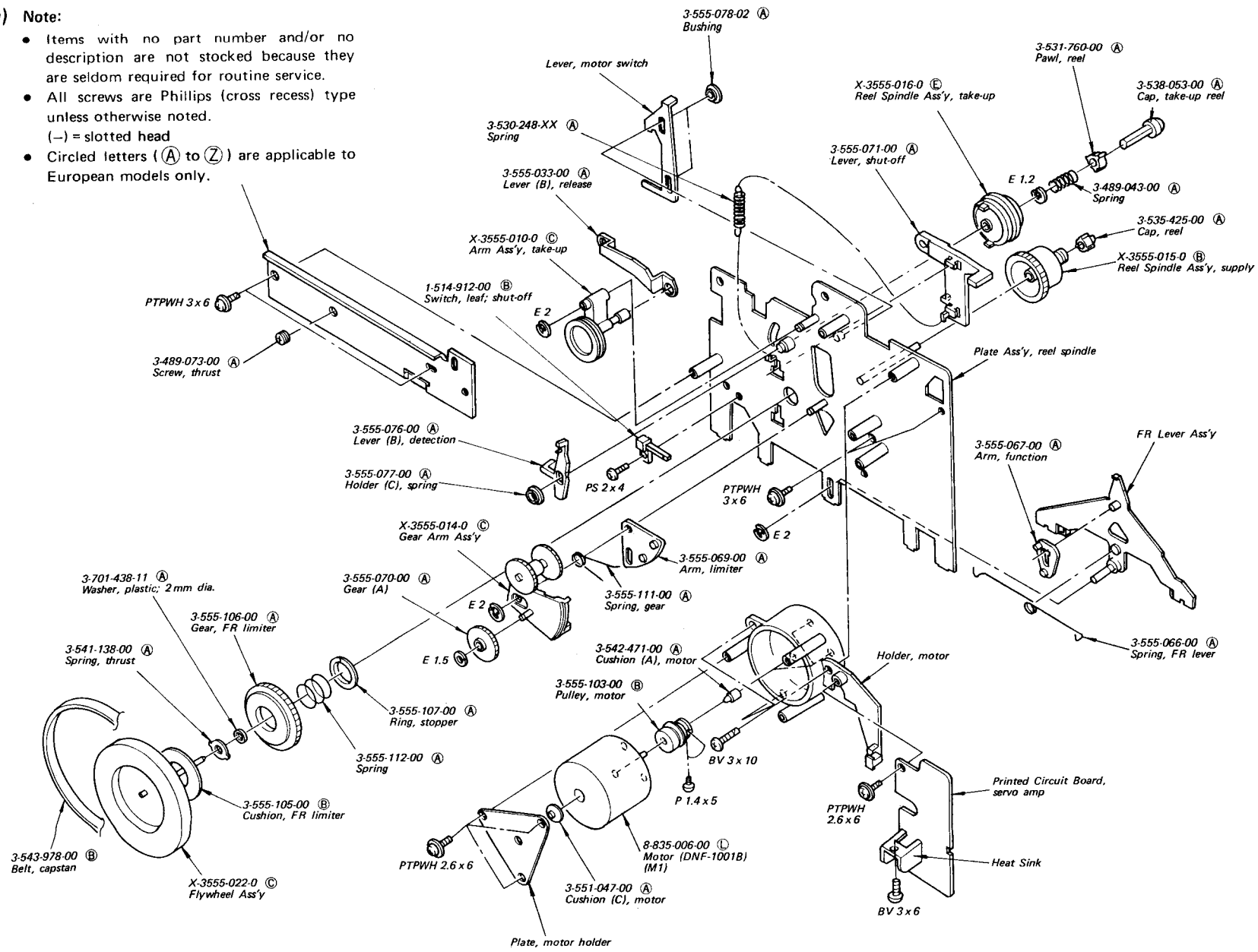
(8) Note:

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



(9) 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 (Ⓐ to Ⓩ) are applicable to European models only.



SECTION 6
ELECTRICAL PARTS LIST

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

Ref. No.	Part No.	Description
		SEMICONDUCTORS
		Transistors
Q101–105		Ⓑ 2SC1345
⇒ Q106		Ⓑ 2SC634A
Q107		Ⓑ 2SC1345
⇒ Q108–110		Ⓑ 2SC634A
Q111		Ⓑ 2SC1345
⇒ Q112		Ⓒ 2SA678
⇒ Q113–116		Ⓑ 2SC634A
Q201–205		Ⓑ 2SC1345
⇒ Q206		Ⓑ 2SC634A
Q207		Ⓑ 2SC1345
⇒ Q208–210		Ⓑ 2SC634A
Q211		Ⓑ 2SC1345
⇒ Q212		Ⓒ 2SA678
⇒ Q213		Ⓑ 2SC634A
⇒ Q224–226		Ⓑ 2SC634A
⇒ Q301–305		Ⓑ 2SC634A
⇒ Q401–405		Ⓑ 2SC634A
⇒ Q501		Ⓒ 2SC1475
⇒ Q502–508		Ⓑ 2SC634A
Q601,602		Ⓑ 2SC634A
Q603		Ⓒ 2SC1475
Q604–606		Ⓑ 2SC634A
Q607		Ⓒ 2SC1475
Q608,609		Ⓑ 2SC634A
Q610		Ⓒ 2SA678
Q611–616		Ⓑ 2SC634A
Q617		Ⓒ 2SC1475
Q618		Ⓑ 2SC634A
Q619,620		Ⓒ 2SC1173
Q621		Ⓑ 2SC634A
⇒ Q1001		Ⓓ 2SC1061
		IC
⇒ IC1001		Ⓕ CX065A
		Diodes
D301,302		Ⓑ 1S1555
D303		Ⓑ 1T22AM
⇒ D304		Ⓑ 1S1555
D401,402		Ⓑ 1S1555
D403		Ⓑ 1T22AM
⇒ D404		Ⓑ 1S1555
⇒ D501,502		Ⓑ 1S1555
D503–505		Ⓒ SLP24B
⇒ D506		Ⓑ 1S1555
⇒ D601–616		Ⓑ 1S1555
⇒ D617		Ⓑ EQB01-12Z
⇒ D618,619	⚠	Ⓑ 10E2
⇒ D620,621		Ⓑ 1S1555
⇒ D622		Ⓑ EQB01-08
⇒ D623		Ⓑ 10E2
⇒ D624,626	⚠	10E2 (US, Canadian model)
⇒ D625,627	⚠	Ⓑ 10E2
⇒ D628,629		Ⓑ 10E2
⇒ D630,631		Ⓑ 1S1555
		COILS
		All coils are microinductors unless otherwise noted.
L101,201	1-407-212-XX	Ⓑ 33μH
L102,202	1-407-240-00	Ⓑ Inductor, variable; 19 kHz FILTER
L103,203	1-407-203-XX	Ⓑ 5.6 mH
L104,204	1-407-199-XX	Ⓑ 2.7 mH
L105,205	1-407-198-XX	Ⓑ 2.2 mH
L501,502	1-407-211-XX	Ⓑ 27μH

⇒: 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.

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

Ref. No.	Part No.	Description
		TRANSFORMERS
T1	⚠ 1-446-009-00	Power (US, Canadian model)
T1	⚠ 1-446-010-00	Ⓝ Power (AEP, E model)
T301,401	1-427-424-00	Ⓒ Output
T501	1-433-132-00	Ⓒ OSC
		CAPACITORS
		All capacitors are in μF and ceramic unless otherwise noted. 50WV or less are not indicated except for electrolytics. pF = μμF, elect = electrolytic
C101,201	1-121-916-11	Ⓑ 10 16V elect
C102,202	1-102-074-11	Ⓐ 0.001
C103,203, C104,204	1-121-915-11	Ⓐ 4.7 25V elect
C105,205	1-121-416-11	Ⓑ 100 25V elect
C106,206	1-121-409-11	Ⓐ 47 16V elect
C107,207	1-101-888-11	Ⓐ 68p
C108,208	1-108-567-12	Ⓐ 0.0033 mylar
C109,209	1-108-569-12	Ⓑ 0.0039 mylar
C110,210	1-108-563-11	Ⓑ 0.0022 mylar
C111,211	1-121-410-11	Ⓑ 47 25V elect
C112,212	1-102-820-11	Ⓐ 330p
C113,213	1-102-108-11	Ⓐ 150p
C114,214	1-121-915-11	Ⓐ 4.7 25V elect
C115,215	1-102-820-11	Ⓐ 330p
C116,216	1-101-888-11	Ⓐ 68p
C117,217	1-121-651-11	Ⓐ 10 16V elect
C118,218	1-102-106-11	Ⓐ 100p
C119,219	1-108-593-12	Ⓑ 0.039 mylar
C120,220	1-123-050-11	Ⓑ 2.2 50V elect
C121,221	1-108-571-12	Ⓐ 0.0047 mylar
C122,222	1-121-404-11	Ⓐ 33 25V elect
C123,223	1-102-114-11	Ⓐ 470p
C124,224	1-121-911-11	Ⓑ 0.47 50V elect
C125,225	1-121-414-11	Ⓐ 100 10V elect
C126,226	1-121-352-11	Ⓐ 47 10V elect
C127,227	1-102-959-11	Ⓐ 22p
C128,228	1-102-959-11	Ⓐ 22p
C129,229	1-121-398-11	Ⓐ 10 25V elect
C131,231	1-121-450-11	Ⓐ 2.2 50V elect
C132, 232	1-121-416-11	Ⓑ 100 25V elect
C134,234	1-121-651-11	Ⓐ 10 16V elect
C135,235	1-121-398-11	Ⓐ 10 25V elect
C136,236	1-121-395-11	Ⓐ 4.7 25V elect
C137,237	1-108-251-12	Ⓑ 0.1 mylar
C138,238	1-121-392-11	Ⓐ 3.3 25V elect
C139,239	1-121-391-11	Ⓐ 1 50V elect
C140,240	1-121-651-11	Ⓐ 10 16V elect
C141,241	1-108-587-12	Ⓐ 0.022 mylar
C142,242	1-108-589-12	Ⓑ 0.027 mylar
C143,243	1-108-362-12	Ⓑ 0.082 mylar
C144,244	1-108-591-12	Ⓑ 0.033 mylar
C145,245	1-108-361-12	Ⓐ 0.056 mylar
C146,246	1-121-391-11	Ⓐ 1 50V elect
C147,247	1-102-074-11	Ⓐ 0.001
C301,401	1-108-581-12	Ⓑ 0.012 mylar
C302,402	1-108-579-12	Ⓐ 0.01 mylar
C303,403	1-108-597-12	Ⓑ 0.0056 mylar
C304,404	1-108-573-12	Ⓐ 0.0056 mylar
C305,405	1-102-959-11	Ⓐ 22p
C306,406	1-121-651-11	Ⓐ 10 16V elect
C307,407	1-108-567-12	Ⓐ 0.0033 mylar
C308,408	1-121-986-11	Ⓐ 2.2 50V elect
C309,409	1-108-234-12	Ⓐ 0.0047 mylar
C310,410	1-121-960-11	Ⓐ 3.3 25V elect
C311,411	1-108-246-12	Ⓐ 0.047 mylar
C312,412	1-121-392-11	Ⓐ 3.3 25V elect
C501	1-108-579-12	Ⓐ 0.01 mylar
C502	1-108-585-12	Ⓑ 0.018 mylar
C503	1-131-218-11	Ⓑ 3.3 35V tantalum
C504,505	1-141-010-XX	Ⓑ Trimmer
C506	1-129-710-11	Ⓐ 0.0047 630V film
C507,508	1-107-206-11	Ⓐ 15p 500V silvered mica
C509,510	1-107-037-11	Ⓐ 82p 500V silvered mica
C511,512	1-107-091-11	Ⓐ 180p silvered mica

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

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

Ref. No.	Part No.		Description		
C513	1-121-395-11	Ⓐ	4.7	25V	elect
C514	1-121-391-11	Ⓐ	1	50V	elect
C515	1-102-074-11	Ⓐ	0.001		
C516	1-121-450-11	Ⓐ	2.2	50V	elect
C601	1-121-395-11	Ⓐ	4.7	25V	elect
C602	1-121-391-11	Ⓐ	1	50V	elect
C603	1-121-409-11	Ⓐ	47	16V	elect
C604	1-121-450-11	Ⓐ	2.2	50V	elect
C605	1-121-395-11	Ⓐ	4.7	25V	elect
C606	1-121-662-11	Ⓐ	22	35V	elect
C607,608	1-121-391-11	Ⓐ	1	50V	elect
C609	1-121-392-11	Ⓐ	3.3	25V	elect
C610	1-161-025-11	Ⓑ	0.1		(boundary layer)
C611	1-161-019-11	Ⓐ	0.033		(boundary layer)
C612,613	1-161-025-11	Ⓑ	0.1		(boundary layer)
C614	1-161-019-11	Ⓐ	0.033		(boundary layer)
C615	1-121-726-11	Ⓐ	0.47	50V	elect
C616	1-121-398-11	Ⓐ	10	25V	elect
C617	1-121-479-11	Ⓐ	22	16V	elect
C618	1-121-416-11	Ⓑ	100	25V	elect
C619	1-121-361-11	Ⓑ	470	35V	elect
C620	1-121-361-11	Ⓑ	470	35V	elect
C621	1-121-392-11	Ⓐ	3.3	25V	elect
C622	1-121-660-11	Ⓑ	2200	16V	elect
C623	1-121-479-11	Ⓐ	22	16V	elect
C624	1-121-245-11	Ⓑ	1000	16V	elect
C625	1-121-398-11	Ⓐ	10	25V	elect
C626	1-121-245-11	Ⓑ	1000	16V	elect
C627	1-121-392-11	Ⓐ	3.3	25V	elect
C1003	1-130-134-11	Ⓑ	0.08	100V	film

RESISTORS

All resistors are in ohms. Common ¼W carbon resistors are omitted.
Refer to the list on page 21 for their part numbers.

Ref. No.	Part No.				
R109,209 R157,257	⚠ 1-244-869-11	Ⓐ	680	½W	carbon
R516	⚠ 1-217-402-11	Ⓑ	180	¼W	fusible
R649	⚠ 1-244-873-11	Ⓐ	1k	½W	carbon
R650	⚠ 1-246-413-11	Ⓐ	3.3	¼W	carbon
R654	⚠ 1-246-411-11	Ⓐ	2.7	¼W	carbon
R655	⚠ 1-206-481-11	Ⓐ	56	2W	metal oxide
R656	1-244-867-11	Ⓐ	560	½W	carbon
R657	1-217-418-11	Ⓐ	0.47	½W	fusible
RV101,201	1-226-132-00	Ⓓ	20k (A), variable; REC LEVEL MIC		
RV102,202	1-226-130-00	Ⓔ	50k (A), variable; REC LEVEL LINE		
RV103,203	1-224-645-XX	Ⓑ	10k, adjustable; playback level		
RV104,204	1-224-646-XX	Ⓑ	22k, adjustable; record level		
RV105,205	1-224-644-XX	Ⓑ	4.7, adjustable; level meter (L), (R)		
RV301	1-226-131-00	Ⓓ	20k, variable; LINE OUT/ HEADPHONE LEVEL		
RV1001	1-224-491-00	Ⓑ	22k, adjustable; tape speed		

SWITCHES

S1	1-516-263-00	Ⓓ	Slide, record/playback
S2	1-552-039-00	Ⓒ	Lever Slide, BIAS
S3,4	1-552-038-00	Ⓓ	Lever Slide (S3: EQ, S4: DOLBY NR)
S5	1-516-686-00	Ⓒ	Lever Slide, timing
S6	1-514-722-XX	Ⓒ	Sub-miniature, REC MUTE
S7–10	1-552-272-00	Ⓑ	Miniature, ▶▶/■/◀◀, ▶, ●, ▮▮
S11	1-514-912-00	Ⓑ	Leaf, shut-off
S12	1-516-853-XX	Ⓒ	Leaf, rewind
S13	1-552-271-00	Ⓒ	Slide, MEMORY
S15	⚠ 1-516-693-00		Push, POWER (US, Canadian model)
S15	⚠ 1-516-855-00	Ⓔ	Push, POWER (AEP, E model)
S16	1-516-853-XX	Ⓒ	Leaf, motor
S17	1-552-273-00	Ⓑ	Miniature, eject

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

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

Ref. No.	*Part No.*	*Description*
		JACKS AND CONNECTORS
J101,201	1-507-525-00 Ⓓ	Jack, MIC
J301	1-507-553-00 Ⓒ	Jack, HEADPHONES
CNJ4	**⚠1-526-528-00**	**Socket, ac outlet (US, Canadian model)**
CNJ301	1-507-531-21	Plate, pin jack; LINE IN, OUT (US, Canadian model)
CNJ301	1-536-501-21 Ⓓ	Plate, pin jack; LINE IN, OUT, REC/PB (AEP, E model)
CNJ302	1-507-526-21 Ⓑ	Jack, 2p; VARIABLE LINE OUT
		MISCELLANEOUS
CP1	**⚠1-231-057-31 Ⓑ**	**CR Encapsulated Component (AEP, E model)**
CP1	**⚠1-231-326-11**	**CR Encapsulated Component (US model)**
CP1	**⚠1-231-341-21**	**CR Encapsulated Component (Canadian model)**
F1	**⚠1-532-235-00 Ⓑ**	**Fuse, T315 mA (AEP, E model)**
F2,3	**⚠1-532-285-00 Ⓑ**	**Fuse, T1.25A (AEP, E model)**
HE	8-825-506-00 Ⓒ	Head, erase EF135-36
HRP	8-825-584-00 Ⓜ	Head, record/playback; PF145-3602A
M1	8-835-006-00 Ⓛ	Motor, capstan; DNF-1001B
M2	1-541-129-00 Ⓗ	Motor, function
ME1,2	1-520-250-00 Ⓚ	Level Meter
PL1,2,5,6	1-518-115-XX Ⓑ	Lamp, pilot 6V 35 mA
PM1	**⚠1-454-096-00 Ⓗ**	**Solenoid, function**
PM2	**⚠1-454-176-21 Ⓔ**	**Solenoid, pause**
	⚠1-509-546-00 Ⓓ	**Connector, 3-p ac in (AEP, E model)**
	⚠1-534-538-XX	**Cord, power (US model)**
	⚠1-534-986-XX	**Cord, power (Canadian model)**
	1-548-514-XX Ⓗ	Tape Counter
	⚠1-552-026-00 Ⓔ	**Voltage Selector (AEP, E model)**

ACCESSORIES & PACKING MATERIALS

Part No.	*Description*
X-3549-745-0 Ⓒ	Cushion Ass'y
X-3701-105-0 Ⓐ	Tips Ass'y, head cleaning
1-534-049-31 Ⓕ	Cord, connector; RK-74H
1-534-754-00 ⚠Ⓔ	**Cord, power; parallel-blade plug (E model)**
1-551-216-11 ⚠Ⓗ	**Cord, power; euro-plug (E model)**
3-429-126-00 Ⓑ	Bag, plastic
3-554-790-00 Ⓕ	Carton (TC-K6B, AEP model)
3-554-791-00	Carton (US, Canadian model)
3-554-792-00 Ⓕ	Carton (AEP, E model)
3-701-630-00 Ⓐ	Bag, plastic
3-770-365-11 Ⓕ	Manual, instruction (AEP, E model)
3-770-365-21	Manual, instruction (US model)
3-770-365-21 3-794-172-31)	Manual, instruction (Canadian model)
3-793-956-31	Warranty Card (Canadian model)
3-794-060-11 Ⓑ	Leaflet (AEP, E model)
4-837-003-00 Ⓒ	Bag, plastic (TC-K6B, AEP model)

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

Sony Corporation