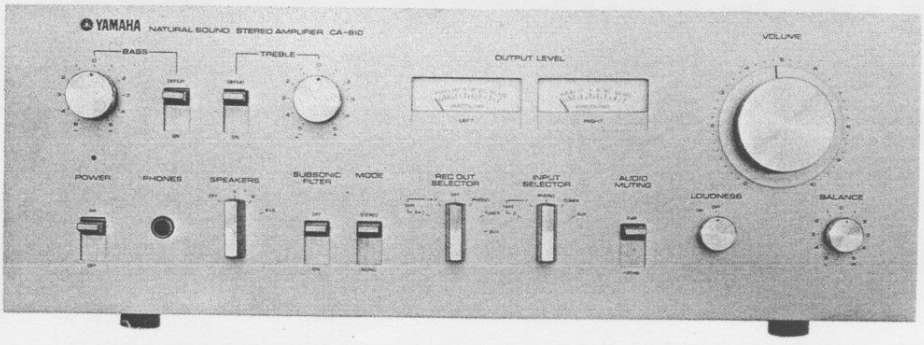
SERVICE MANUAL

CA-610

PRE-MAIN AMPLIFIER



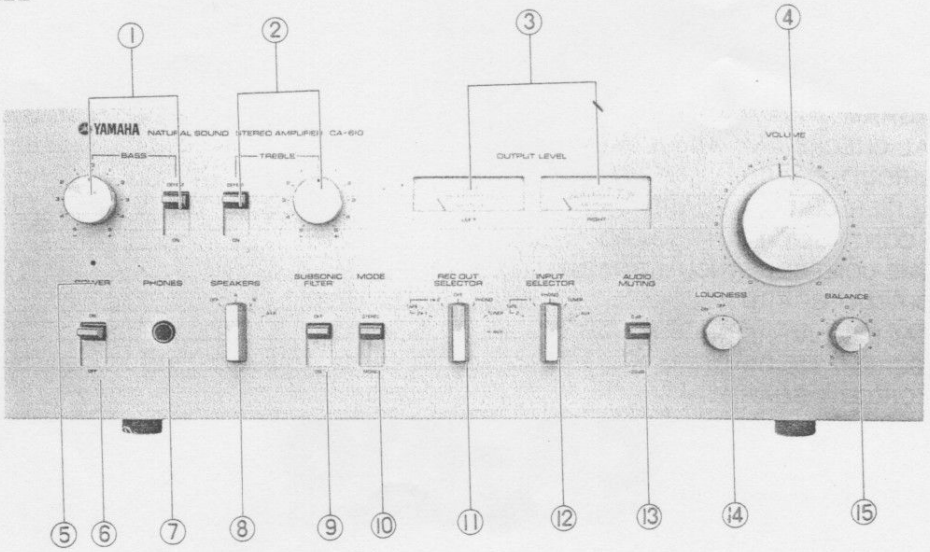
SINCE 1887 YAMAHA

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

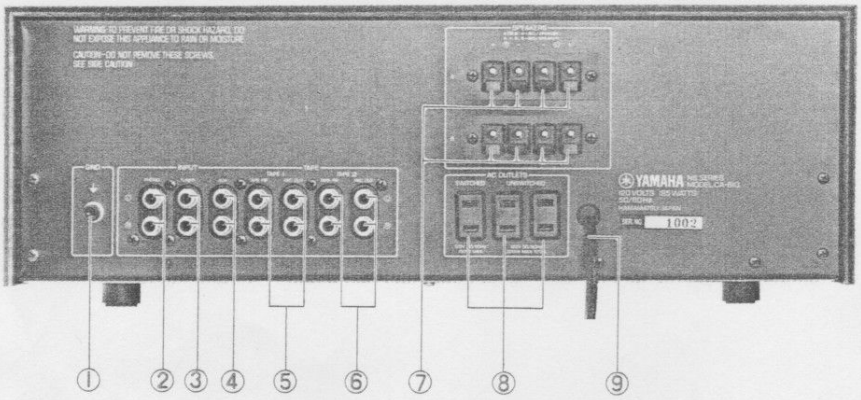
15 ℗ Printed in Japan 10

EXTERNAL VIEW

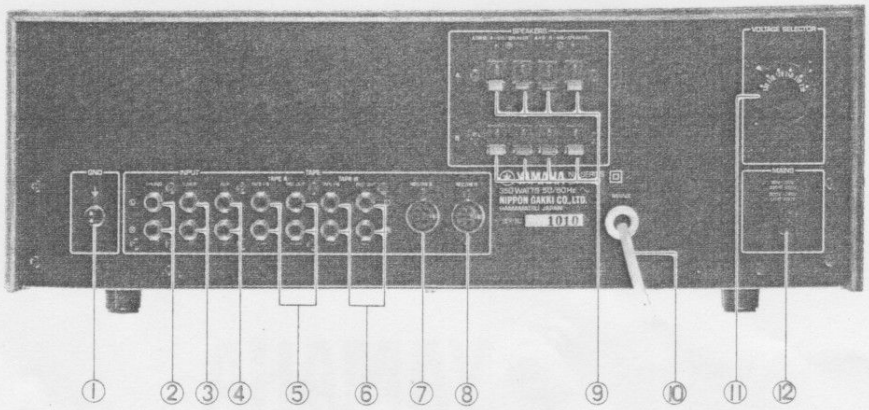
FRONT PANEL



REAR PANEL(GENRAL MODEL)



REAR PANEL(EUROPEAN MODEL)



CONTENTS

SPECIFICATIONS

DYNAMIC POWER (IHF, 8Ω 1kHz) 125W
CONTINUOUS RMS POWER
(20Hz~20kHz both channels driven) 8Ω ..... 40W+40W
4Ω ..... 50W+50W
(1kHz both channels driven) 8Ω ..... 45W+45W
4Ω ..... 62W+62W
POWER BANDWIDTH (IHF, 0.05%) ..... 10Hz~50kHz
TOTAL HARMONIC DISTORTION (8Ω) ..... Less than 0.05%
(8Ω, 20W, 1kHz) ..... Less than 0.005%
INTERMODULATION DISTORTION (8Ω) ..... Less than 0.05%
DAMPING FACTOR (8Ω, 1kHz) 50
FREQUENCY RESPONSE (AUX → SP OUT)
..... 20Hz~20kHz $^{+0}_{-0.3}$ dB
INPUT (SENSITIVITY/IMPEDANCE)
- PHONO 2.5mV, 50kΩ
- TUNER, AUX 150mV, 50kΩ
- TAPE PB 1, 2 ..... 150mV, 50kΩ
- MAXIMUM INPUT CAPACITY (PHONO)
..... 150mV at 1kHz, 0.05% T.H.D.

OUTPUT (LEVEL/IMPEDANCE)
- TAPE REC OUT A.B. ..... 150mV, 1kΩ (DIN 30mV)

TONE CONTROLS
- BASS ..... 50Hz, ±12dB
- TREBLE ..... 10kHz, ±10dB

AUDIO MUTING ..... −20dB
FILTER ..... −30dB at 25Hz (12dB/oct)
LOUDNESS ..... −30dB, VOL down +9dB at 50Hz
+5dB at 10Hz
S/N RATIO (IHF A NETWORK)
- PHONO → SP OUT 75dB
- AUX → SP OUT 90dB

RESIDUAL NOISE 0.4mV
AUXILIARY CIRCUITS
- OUTPUT LEVEL METER, REC OUT SELECTOR, SPEAKER PROTECTION CIRCUIT, PC LIMITER

OTHERS
- SEMICONDUCTORS USED ..... Transistor 35
IC 4
Diode 22
Zener Diode 3

GENERAL
- POWER SOURCE ..... AC110V~240V, 50/60Hz
- POWER CONSUMPTION ..... 350W: European, British, Australian models
195W: US & Canadian models
- DIMENSIONS ..... 435(W) x 150(H) x 298(D) mm
(110.7" x 38.2" x 75.9")
- WEIGHT ..... 8.9kg (4.058 lbs)

— Specifications subject to change without notice. —

FRONT PANEL

1. BASS TONE CONTROL & DEFEAT SWITCH
2. TREBLE TONE CONTROL & DEFEAT SWITCH
3. OUTPUT LEVEL METER
4. VOLUME CONTROL
5. POWER INDICATOR LAMP
6. POWER SWITCH
7. HEADPHONE JACK
8. SPEAKERS SELECTOR
9. SUBSONIC FILTER SWITCH
10. MODE SWITCH
11. REC OUT SELECTOR
12. INPUT SELECTOR
13. AUDIO MUTING SWITCH
14. LOUDNESS SWITCH
15. BALANCE CONTROL

REAR PANEL(GENERAL MODEL)

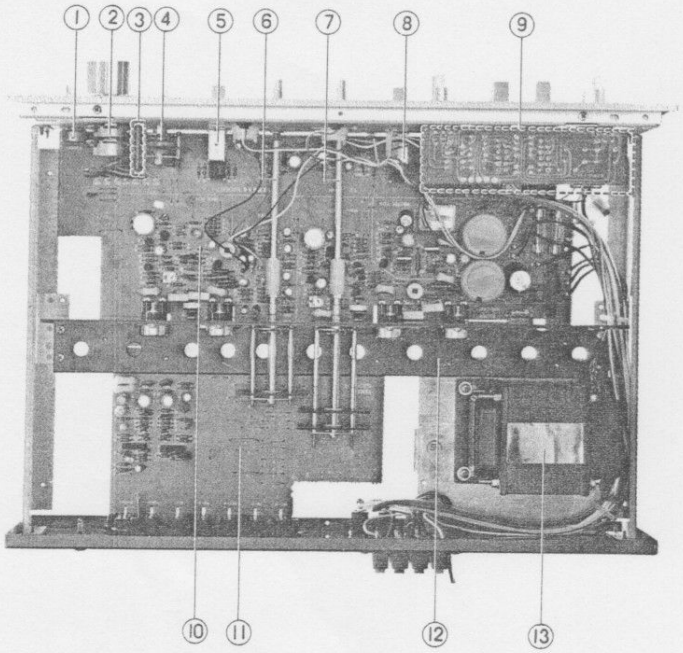
1. GROUND TERMINAL
2. PHONO INPUT JACKS
3. TUNER INPUT JACKS
4. AUX INPUT JACKS
5. TAPE 1 PB/REC OUT JACKS
6. TAPE 2 PB/REC OUT JACKS
7. SPEAKER TERMINALS
8. AC OUTLETS
9. AC CORD

REAR PANEL (EUROPEAN MODEL)

1. GROUND TERMINAL
2. PHONO INPUT JACKS
3. TUNER INPUT JACKS
4. AUX INPUT JACKS
5. TAPE A PB/REC OUT JACKS
6. TAPE B PB/REC OUT JACKS
7. TAPE A REC/PB DIN CONNECTOR
8. TAPE B REC/PB DIN CONNECTOR
9. SPEAKER TERMINALS
10. AC CORD
11. VOLTAGE SELECTOR
12. PRIMARY FUSE

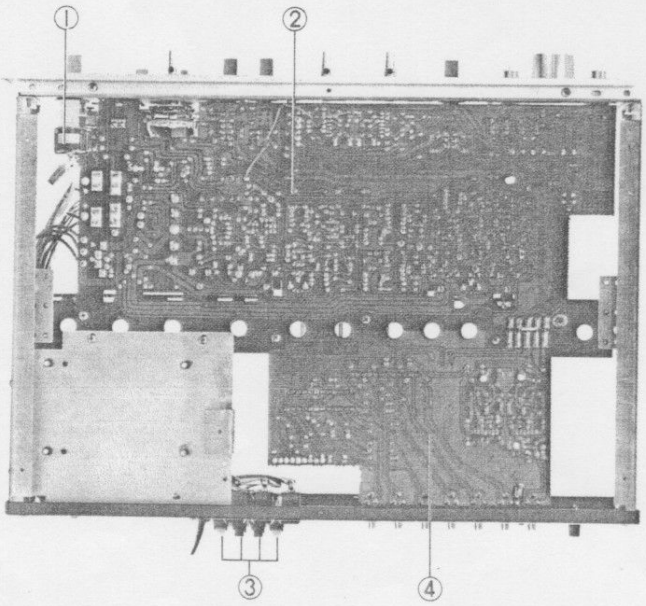
INTERNAL VIEW

TOP VIEW



1. BALANCE CONTROL
2. VOLUME CONTROL
3. VOLUME CONTROL CIRCUIT BOARD(NA06809)
4. LOUDNESS SWITCH
5. AUDIO MUTING SWITCH
6. INPUT SELECTOR
7. REC OUT SELECTOR
8. MODE SWITCH
9. TONE CONTROL CIRCUIT BOARD (NA06809)
10. MAIN CIRCUIT BOARD (NA06809)
11. EQUALIZER AMP CIRCUIT BOARD (NA06759, NA06804)
12. HEAT SINK
13. POWER TRANSFORMER

BOTTOM VIEW



1. POWER SWITCH
2. MAIN CIRCUIT BOARD (NA06809)
3. SPEAKER TERMINALS
4. EQUALIZER AMP CIRCUIT BOARD (NA06759, NA06804)

PARTIAL DISASSEMBLY

1. TOP COVER REMOVAL

a) Unscrew o marked 4 retaining screws holding both sides of the unit as in Photo 1.

b) Pull out then the cover backward of the unit under servicing.

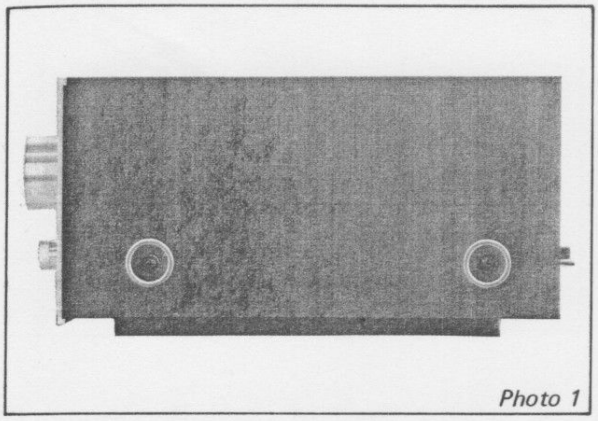


Photo 1

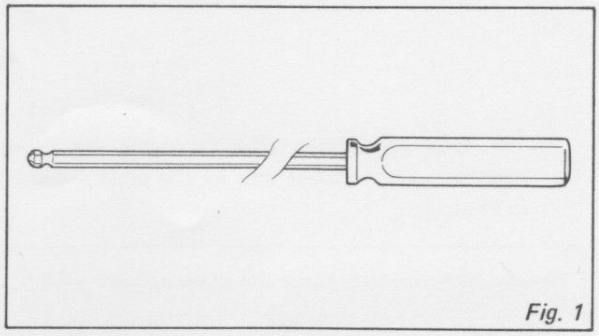


Fig. 1

c) Remove each screw of (1), (2) of Photo-3, and (3), (4) of Photo-4 before gently drawing off the Front operating panel toward you.

Note: In doing the job pay special attention not to apply any damage or scratches to the portion of an output level meter and an L.E.D. indicator light.
For the level meters initially, take out the adhesive tape holding acrylic cover of the Front panel to separate them from the meters themselves. Unplug the power LED indicator connector then, for an easy job prior to the panel removal.

2. BOTTOM PANEL REMOVAL

a) In Photo 2, remove the bottom panel with unscrewing 7 retaining screws of (1) to (6) as shown.

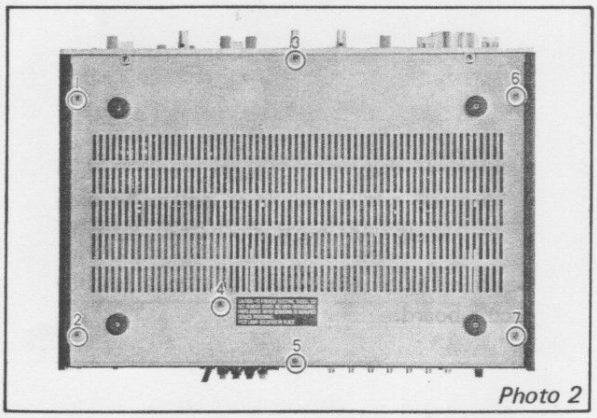


Photo 2

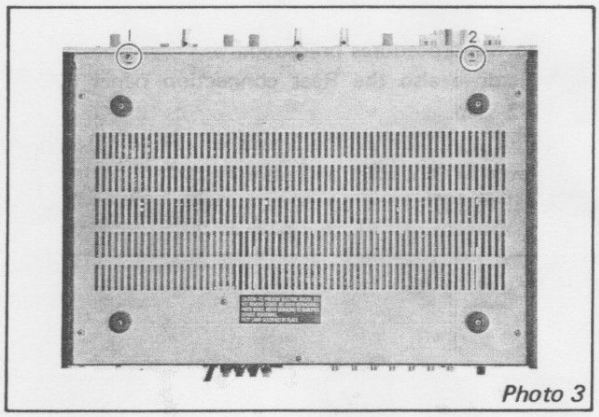


Photo 3

3. FRONT PANEL REMOVAL

a) According to the 1-a) Instruction, remove the top cover for the first of all procedures required.

b) Take all the knobs off such that of function switches, volume, tones, balance and loudness controls, and selectors.

Note: A master volume control knob must be then removed with unscrewing two set screws by a long arm countersunk screw driver (Fig. 1) inserted between the front pamel and mother chassis.

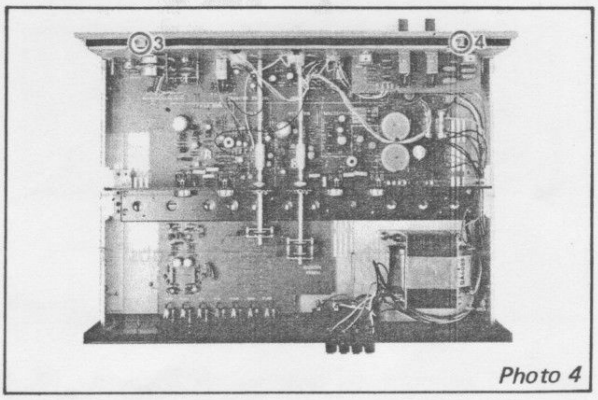


Photo 4

d) The final appearance after removing the Front operating panel should thus be the same as shown in Photo-5.

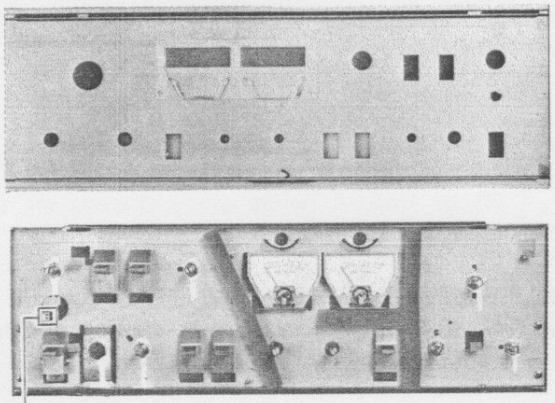


Photo 5

4. MAIN CIRCUIT BOARD & EQUALIZER CIRCUIT BOARD REMOVAL

a) Remove the front operating panel first according to the procedures preceded.

b) Remove also the Rear connection panel by the #2 step.

c) Pull and take all the knobs of (1) to (3) of the lever switches out, and remove shaft fastening nuts (4) to (9) of the controls.

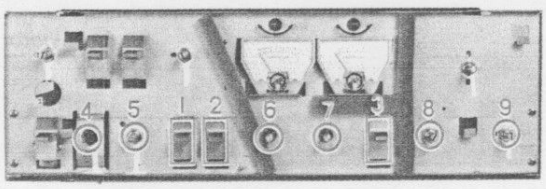


Photo 6

Note: To remount the lever switch knobs the Fig. 2 should be referred to do quick jobs.

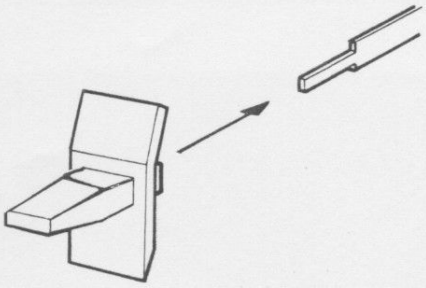


Fig. 2

d) Screws of numbered (1) to (4) shown in the Photo-7 must then be removed, and try to prepare then, to move joints of extension shafts for INPUT SELECTOR & REC OUT SELECTOR out.

e) Unsolder wirings of each circuit board.

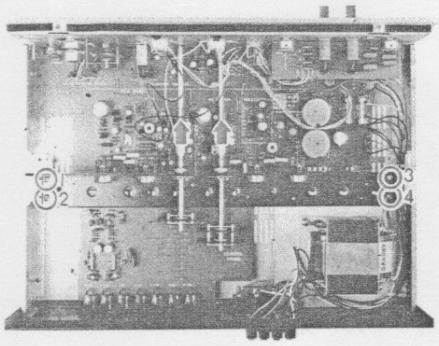


Photo 7

f) Remove (1) to (4) retaining screws holding the circuit board.

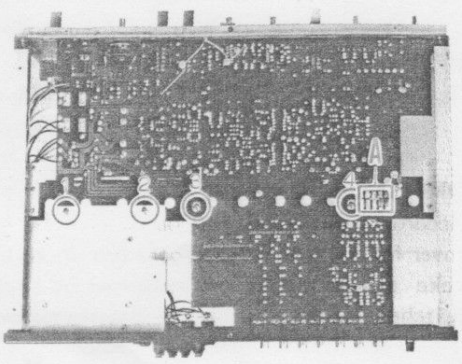


Photo 8

g) Remove also (1) to (8) retaining screws located on the Rear connection panel.

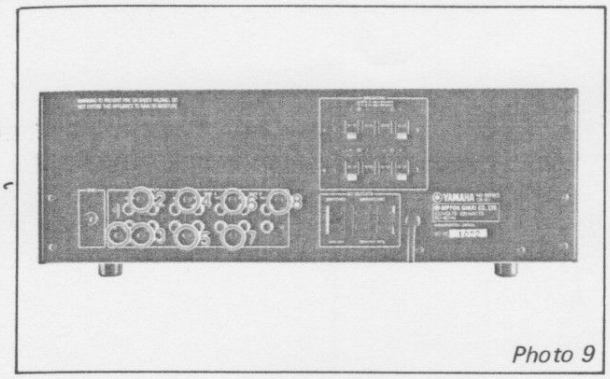


Photo 9

h) Unsolder each lead wire from the portion "A" that connected between the Main circuit board and Equalizer circuit board.

** At the same time remove also ground lead wires from each circuit board to the chassis ground.

i) Gently take the equalizer circuit board first, next the main circuit board out.

5. TONE CIRCUIT BOARD REMOVAL

a) Conduct the procedures always after the instruction of #3; Front operating panel removal procedures.

b) With removing nuts and knobs (1) to (4) of the lever switch as shown in the Photo-10, take the circuit board off from the chassis.

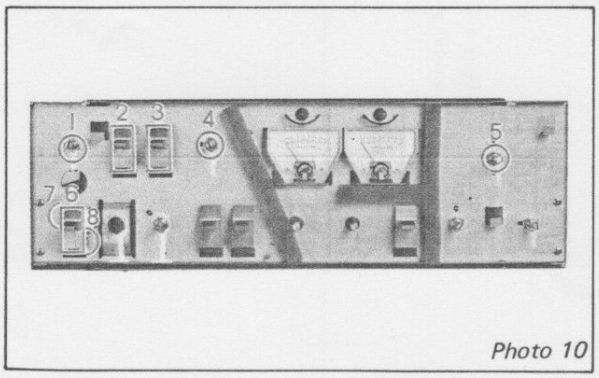


Photo 10

6. VOLUME CONTROL CIRCUIT BOARD

a) The procedure should follow after the #3 Instruction.

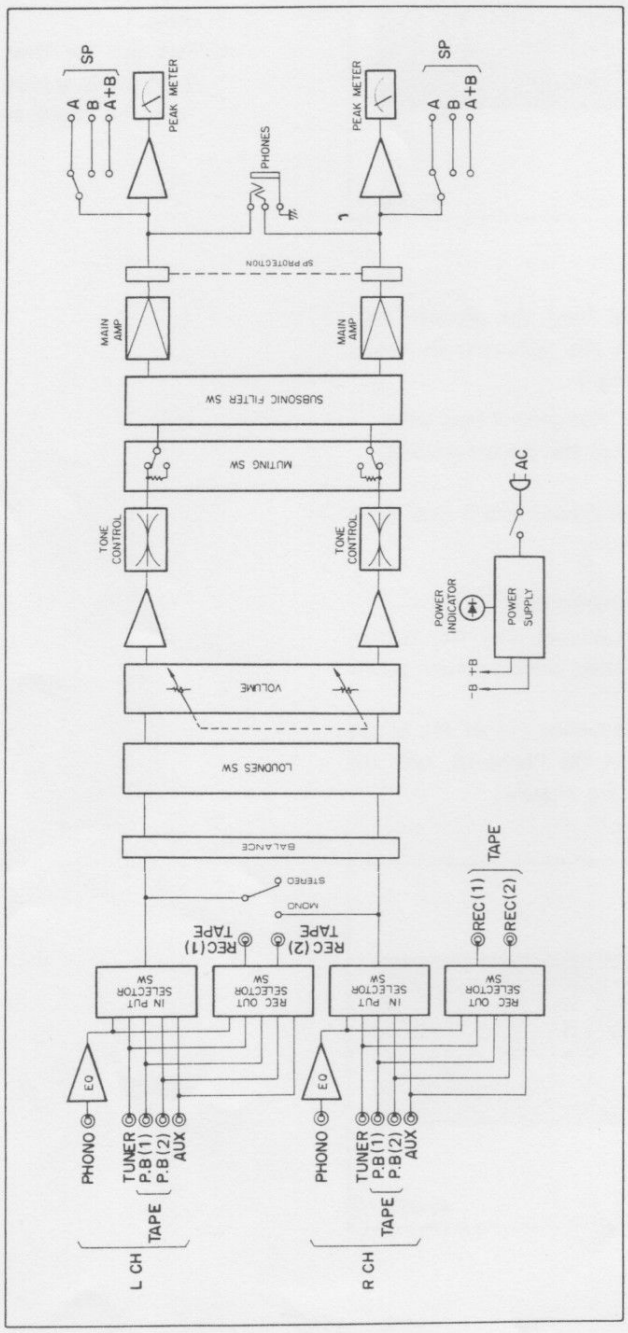
b) Remove the circuit board with previously taking out the nut (5) as shown in the Photo-10.

7. POWER SWITCH REMOVAL

a) Before proceeding the power switch removal, the #3 step for the Front panel removal should be done.

b) Pull out the lever switch knob (6), and unscrew 2 retaining screws (7) and (8) then, remove carefully the power switch out from the Main chassis.

BLOCK DIAGRAM



ELECTRICAL CHECKS AND ADJUSTMENTS

BEFORE ADJUSTMENTS

- Basically, all the adjustments required should always be performed after the unit became steady condition at least 3 to 4 minutes warm up time run.
- At the SP terminals (speaker output), do not connect any resistances as a dummy load but remain opened during adjustment.
- To prevent the unit under test from any damages possible set always the Main (master) volume controls to the minimum position.

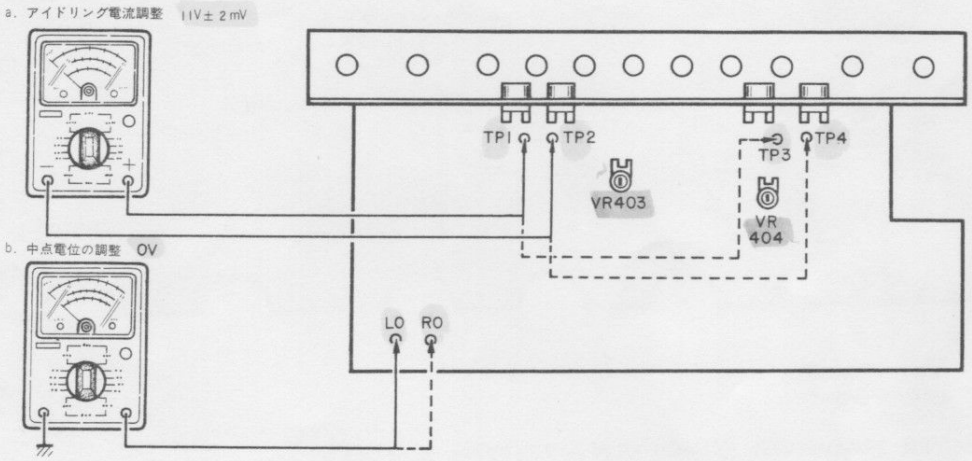
IDLING CURRENT ADJUSTMENT

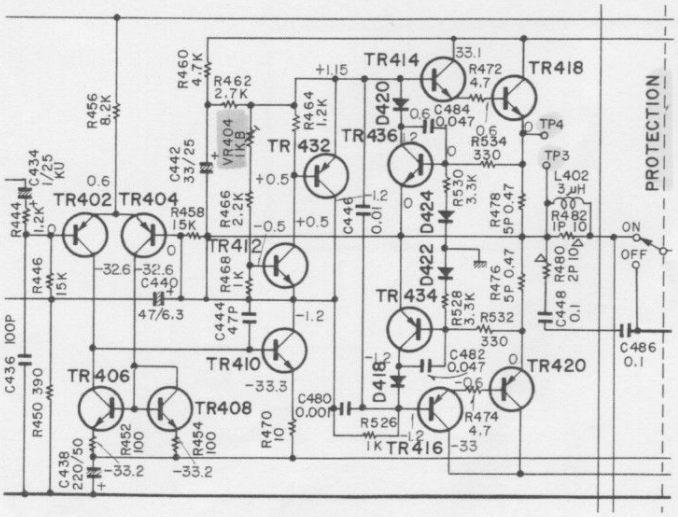
1. Adjust VR403 so that obtaining a standard reference DC 11mV ±2mV across to TP1 and TP2 on the Main circuit board.
   In this adjustment, connect a (+) lead of the VAOM tester to TP1, a (−) lead to TP2.
2. Adjust this time then, VR404 for getting a DC 11mV ±2mV specified on between TP3 and TP4.
   Make connections in this adjustment, that a (+) lead to TP3 and a (−) lead to TP4 with the tester set.
3. Repeat those adjustment steps described for until obtaining specified values desired.

- Adjustable controls (i.e., VR403 and VR404) should then be turned gently and smoothly for not to miss the correct test values desired.
- Correct polarity of test connections to the test points specified must always be paid by special attentions in doing these adjustments.

CHECKING ZERO POTENTIAL JUNCTION POINT

Check and confirm to see that voltage of 0V ±0.1V at the junction points specified can be obtained, between the LO and E, RO and E located on the Main circuit board.

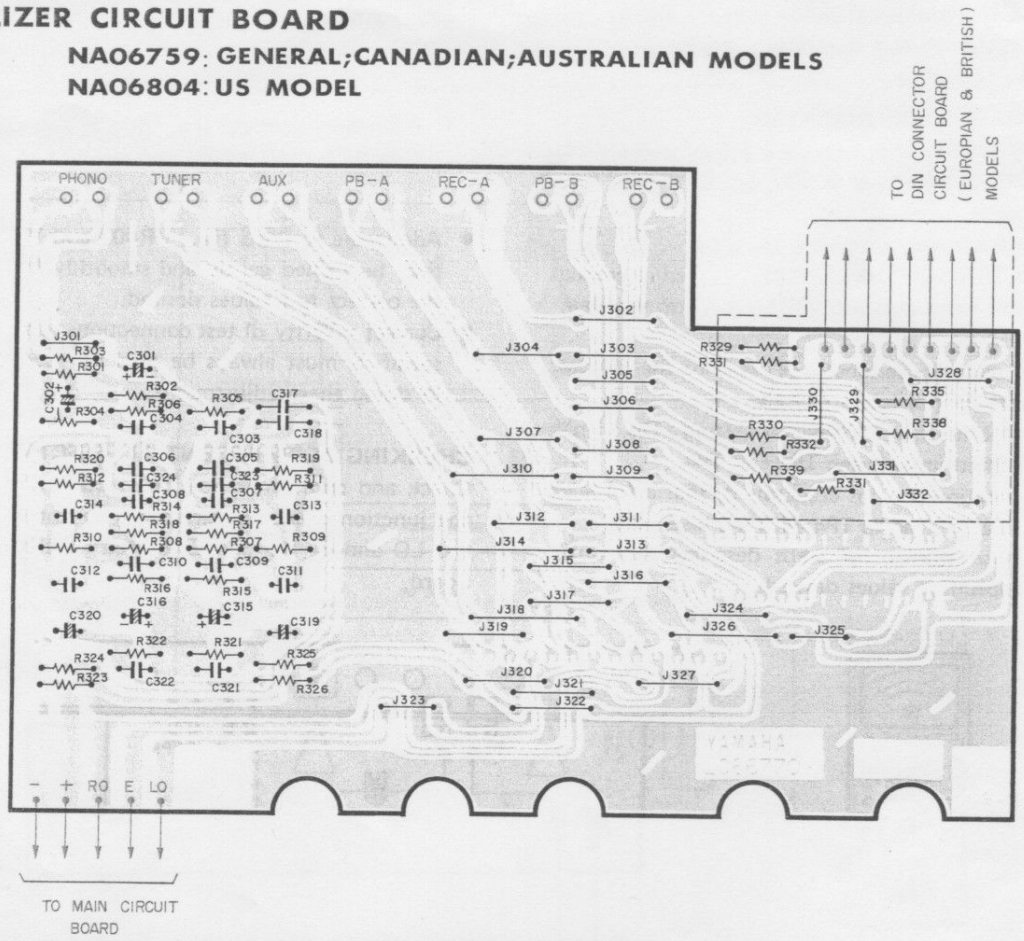




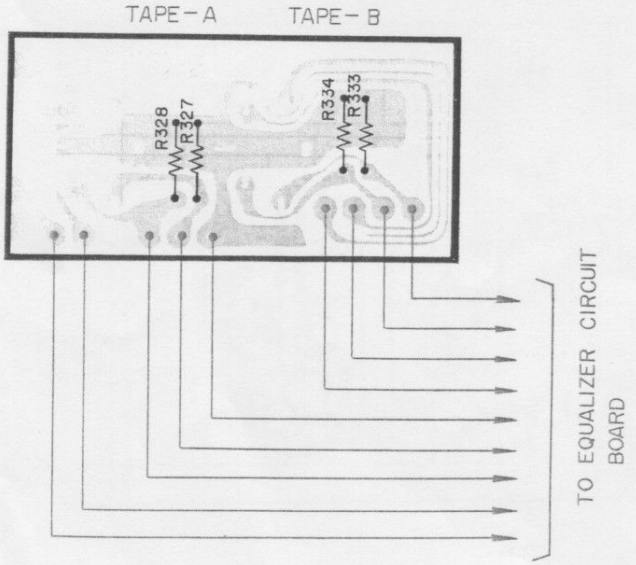
PRINTED CIRCUIT BOARD

EQUALIZER CIRCUIT BOARD

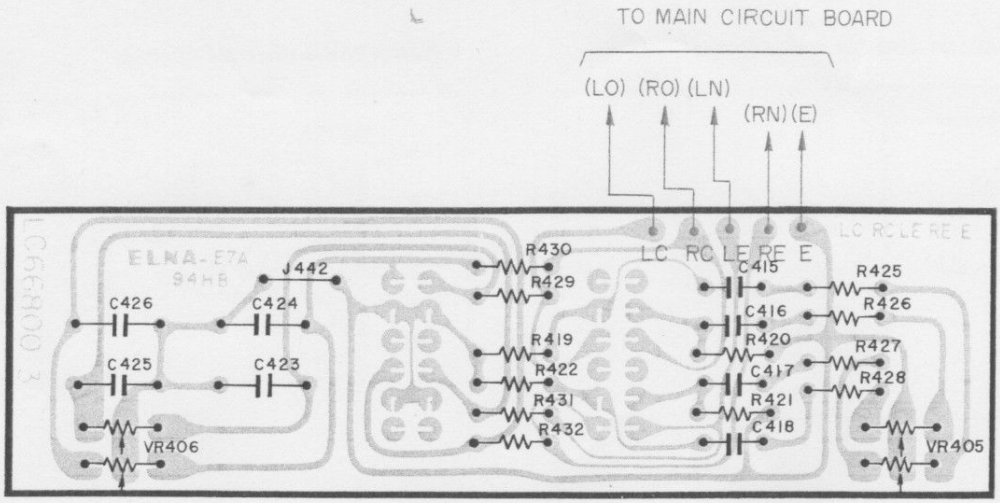
NA06759: GENERAL;CANADIAN;AUSTRALIAN MODELS
NA06804: US MODEL



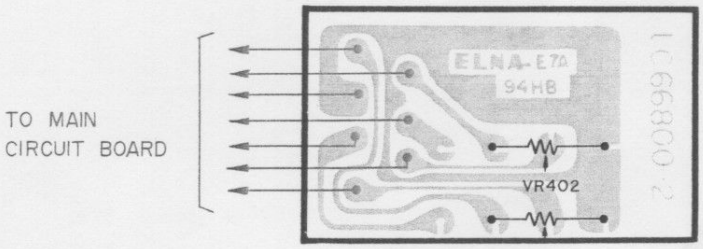
DIN CONECTER NA06805: EUROPIAN & BRITISH MODELS



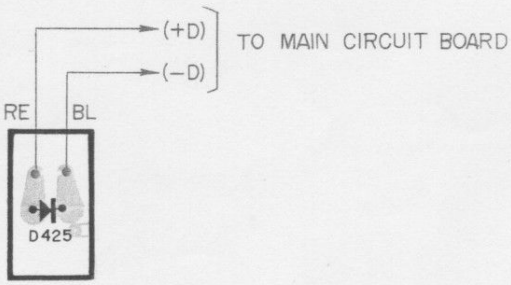
TONECONTROL CIRCUIT BORD



VOLUMECONTROL CIRCUIT BOARD

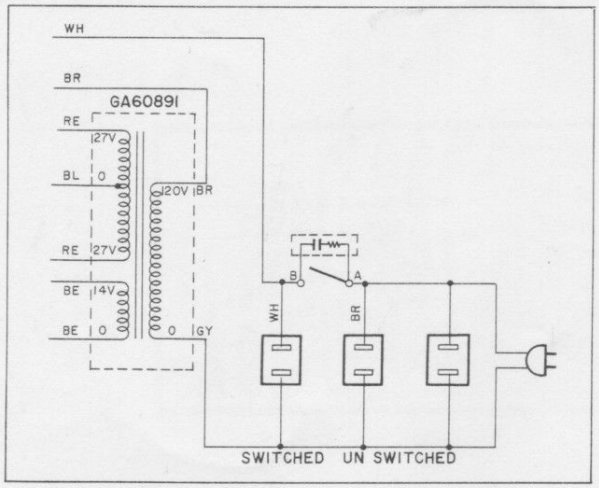


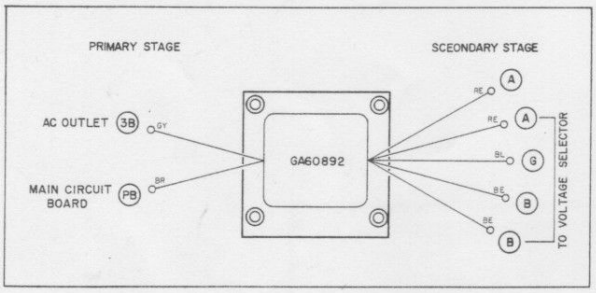
LED CIRCUIT BOARD



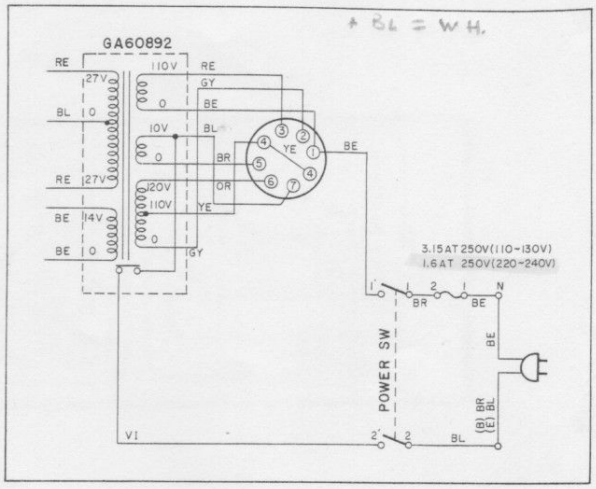
LINE VOLTAGE CONVERSION

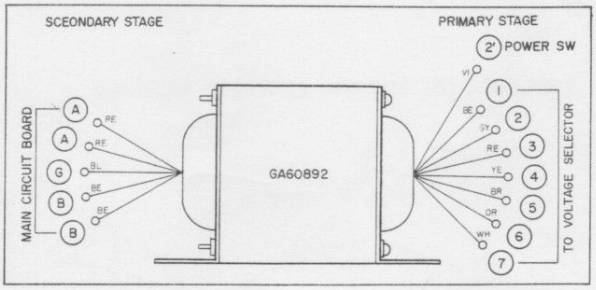
▼ U.S. & CANADIAN MODELS



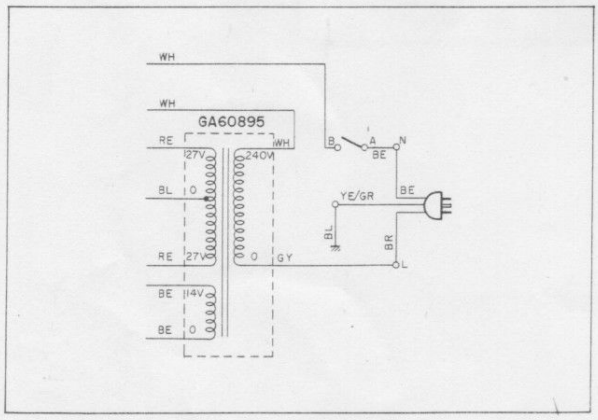


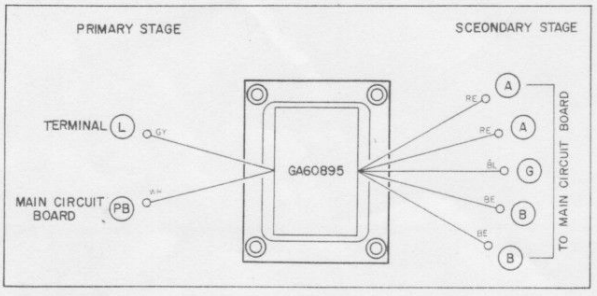
▼ EUROPEAN & BRITISH MODELS





▼ AUSTRALIAN MODEL





110 V → BE = GY
RE = YE = WH. } 110 // 110

120 V → BE = GY
RE = YE = BR
OR = WH } 110 + 10

130 V → BE = GY.
RE = YE
OR = BR } 110 + 10

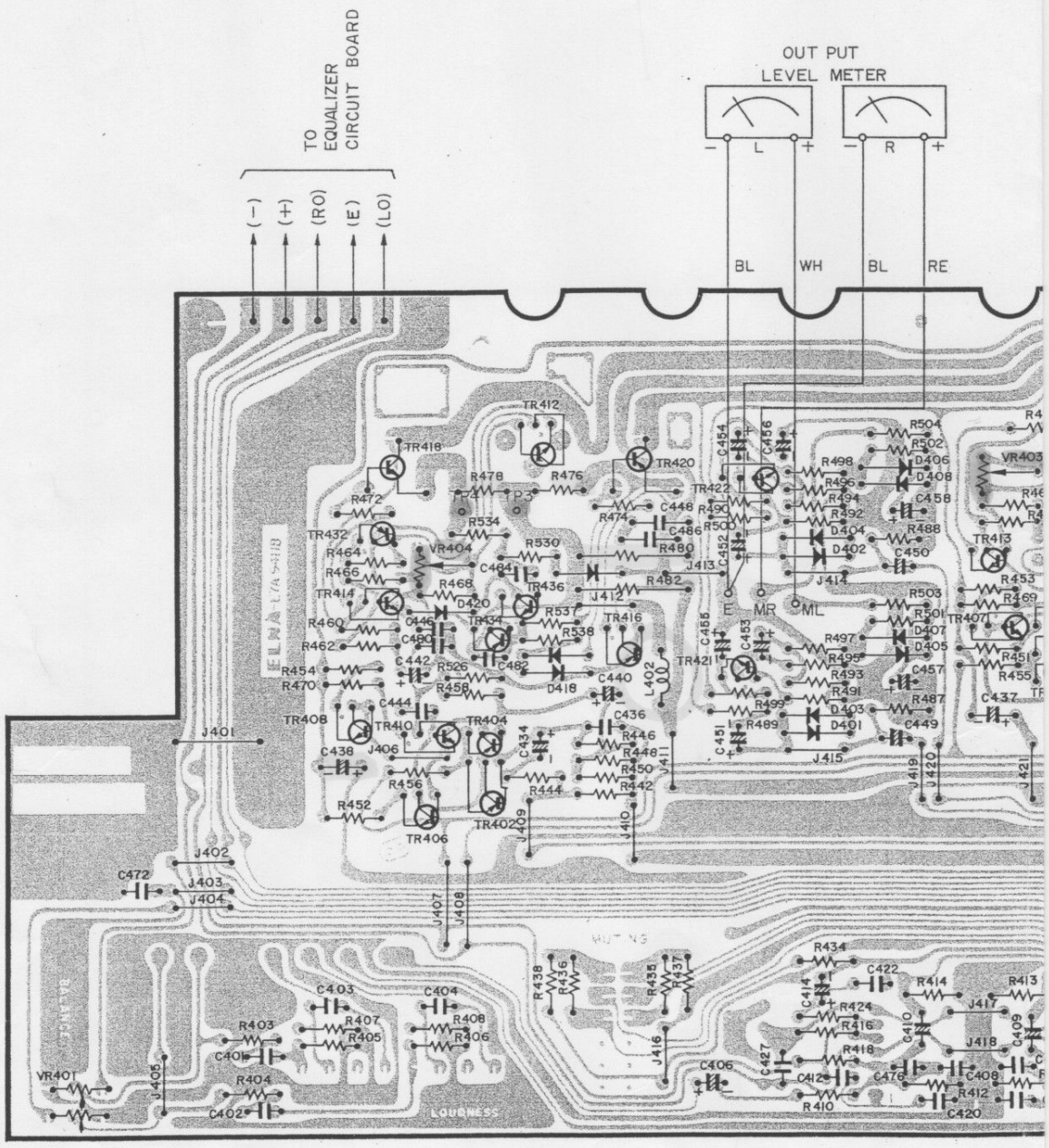
220 V → RE = GY
WH = YE } 110 + 110.

230 V → RE = GY
OR = WH. } 110 + 110
BR = YE } # 10 // 10

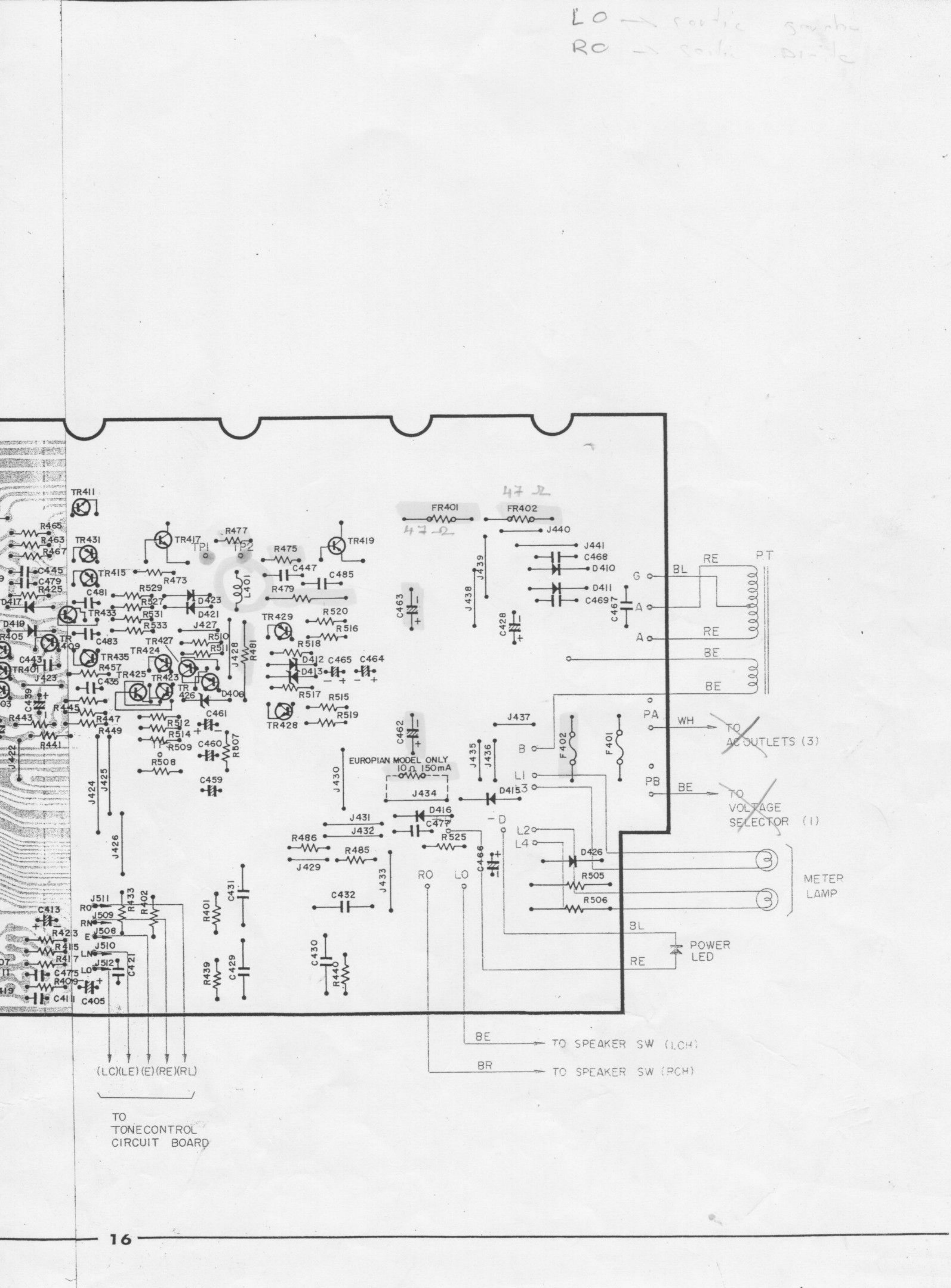
240 V → RE = GY
OR = BR. } 110 + 120 + 10.

MAIN CIRCUIT BOARD NA06809

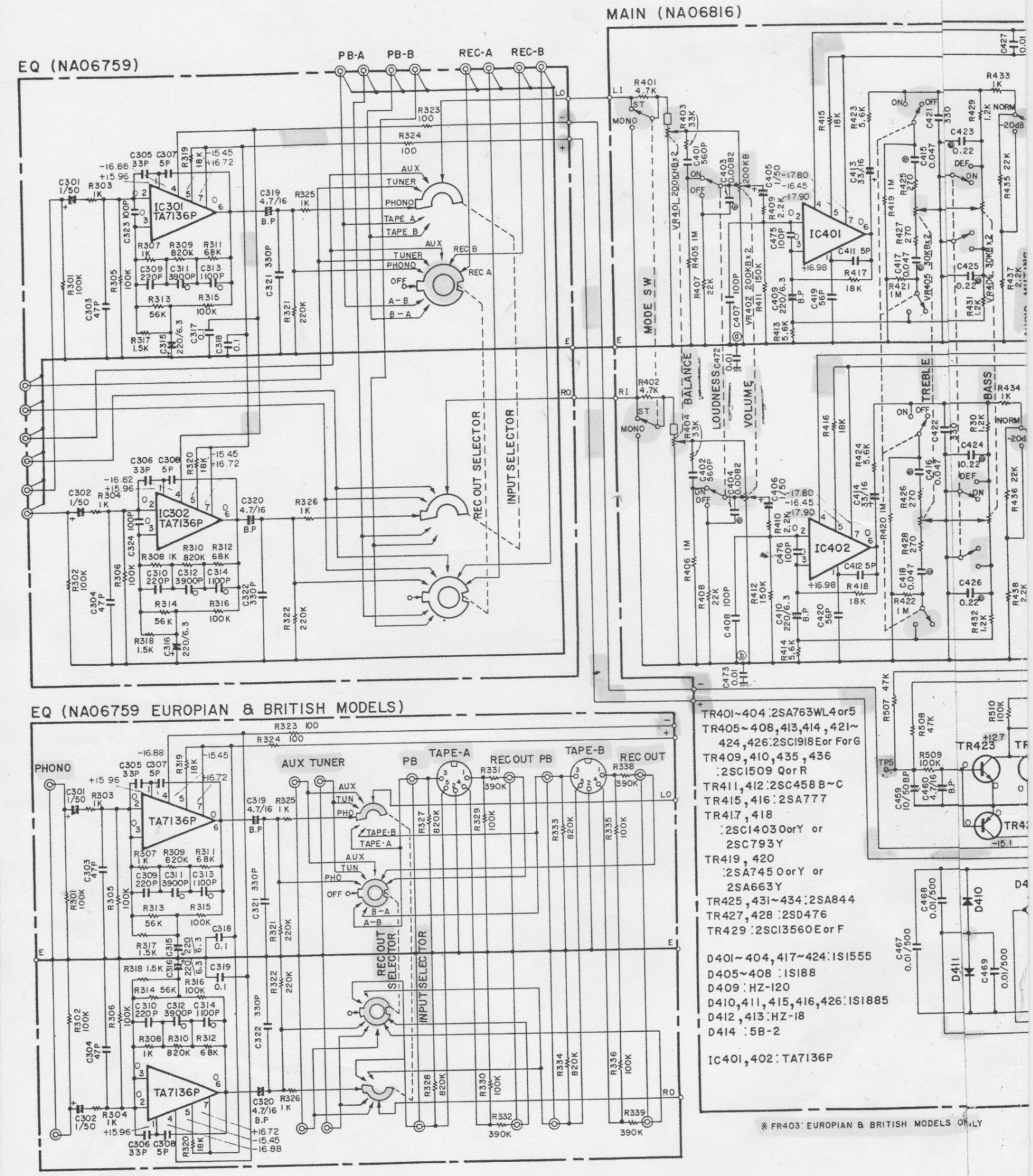
(rate CI)

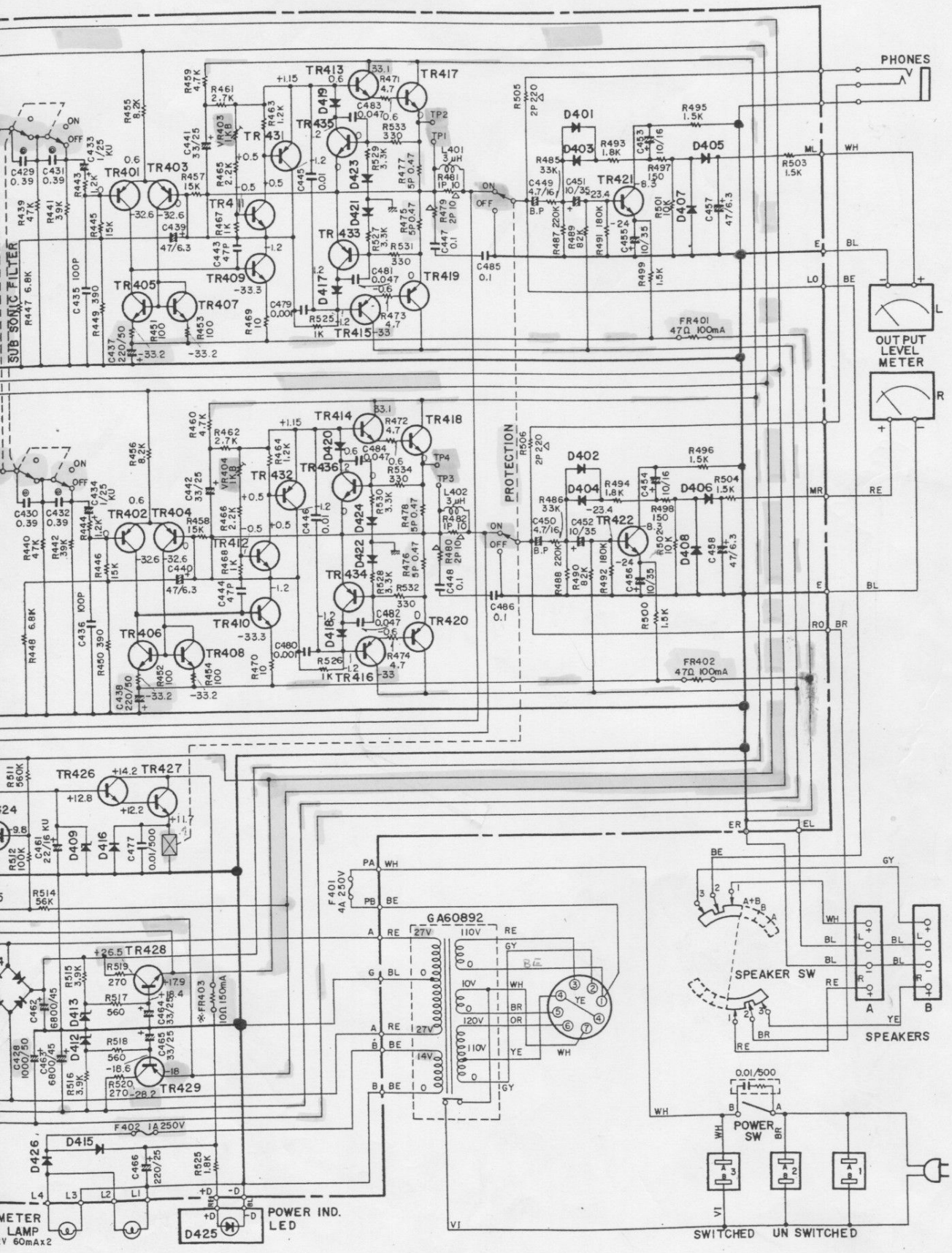


	F401	F402
US & CANADIAN MODELS	UL SS-2 4A 250V	UL SS-2 1A250V
GENERAL, AUSTRARIAN MODELS	2AT 250V	1AT 125V
EUROPIAN MODEL	———	S TIME LUG 630mAT 250V



LO → sortie gauche
RO → sortie droite
TR411
TR431
TR415
TR417
TR419
TR429
TR428
TR433
TR435
TR424
TR425
TR423
TR427
TP1
TP2
L401
FR401
FR402
47 Ω
J440
J441
C468
D410
D411
C469
C467
PT
G
A
BL
RE
BE
PA
PB
WH
TO AC OUTLETS (3)
TO VOLTAGE SELECTOR (1)
EUROPIAN MODEL ONLY
10 Ω 150mA
J434
D415
D416
C477
R525
L1
L2
L3
L4
D426
R505
R506
METER LAMP
POWER LED
RO
LO
F401
F402
TO SPEAKER SW (LCH)
BR
TO SPEAKER SW (RCH)
(LC)(LE)(E)(RE)(RL)
TO TONECONTROL CIRCUIT BOARD


MAIN (NA06816)
EQ (NA06759)
PB-A
PB-B
REC-A
REC-B
IC301 TA7136P
IC302 TA7136P
IC401
IC402
MODE SW
REC OUT SELECTOR
INPUT SELECTOR
BALANCE
LOUDNESS
VOLUME
TREBLE
BASS
EQ (NA06759 EUROPIAN & BRITISH MODELS)
PHONO
AUX TUNER
PB
TAPE-A
REC OUT PB
TAPE-B
REC OUT
TR401~404 :2SA763WL4 or5
TR405~408,413,414,421~424,426:2SC1918E or F or G
TR409,410,435,436 :2SC1509 Q or R
TR411,412 :2SC458 B~C
TR415,416 :2SA777
TR417,418 :2SC1403 O or Y or 2SC793Y
TR419,420 :2SA745 O or Y or 2SA663Y
TR425,431~434 :2SA844
TR427,428 :2SD476
TR429 :2SC1360 E or F
D401~404,417~424 :1S1555
D405~408 :1S188
D409 :HZ-120
D410,411,415,416,426 :1S1885
D412,413 :HZ-18
D414 :5B-2
IC401,402 :TA7136P
* FR403 :EUROPIAN & BRITISH MODELS ONLY
SCEONDARY STAGE
PRIMARY STAGE
38 AC OUTLET
CIRCUIT BOARD
GA60892
CIRCUIT BOARD

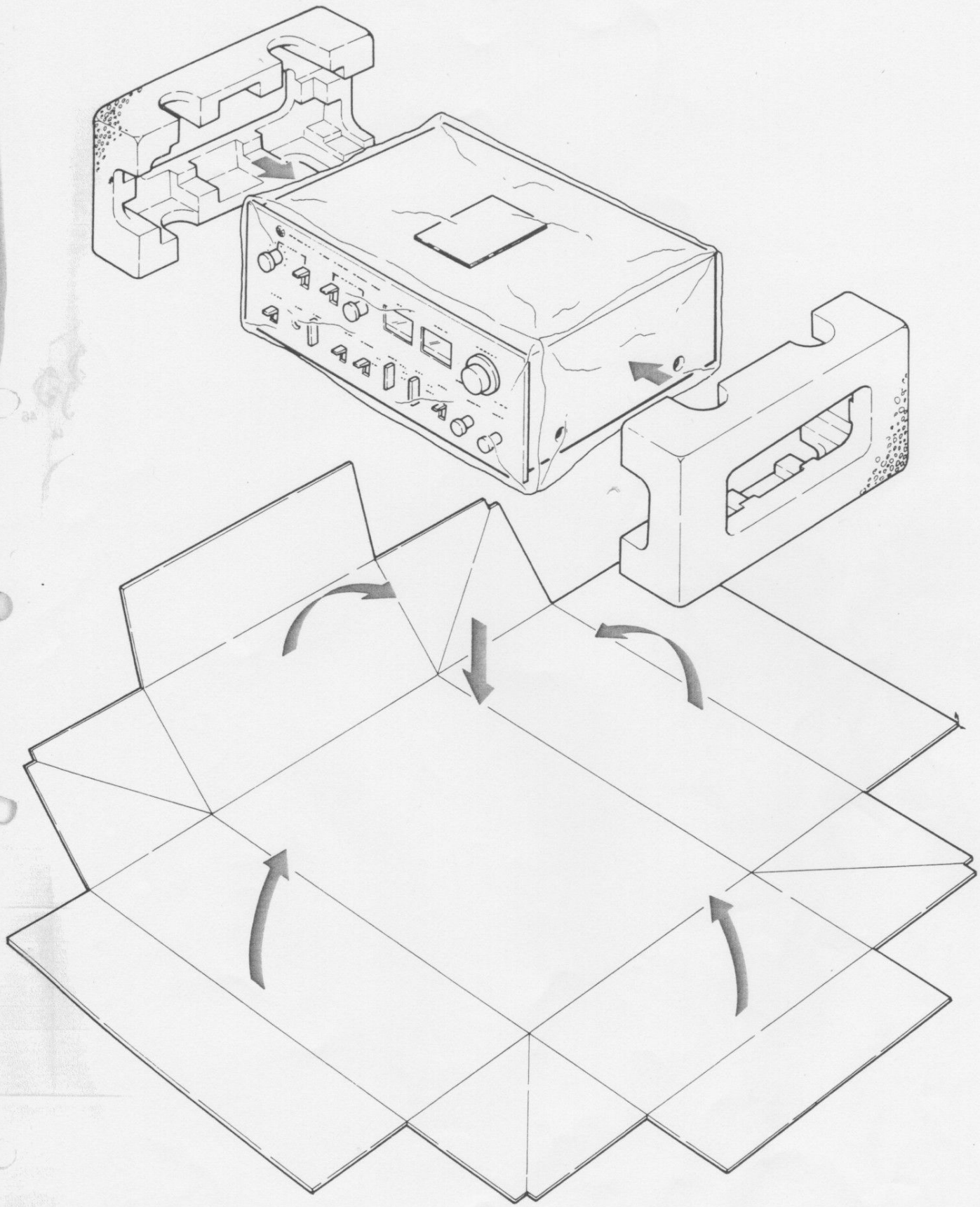


WIRE COLOR ABBREVIATIONS

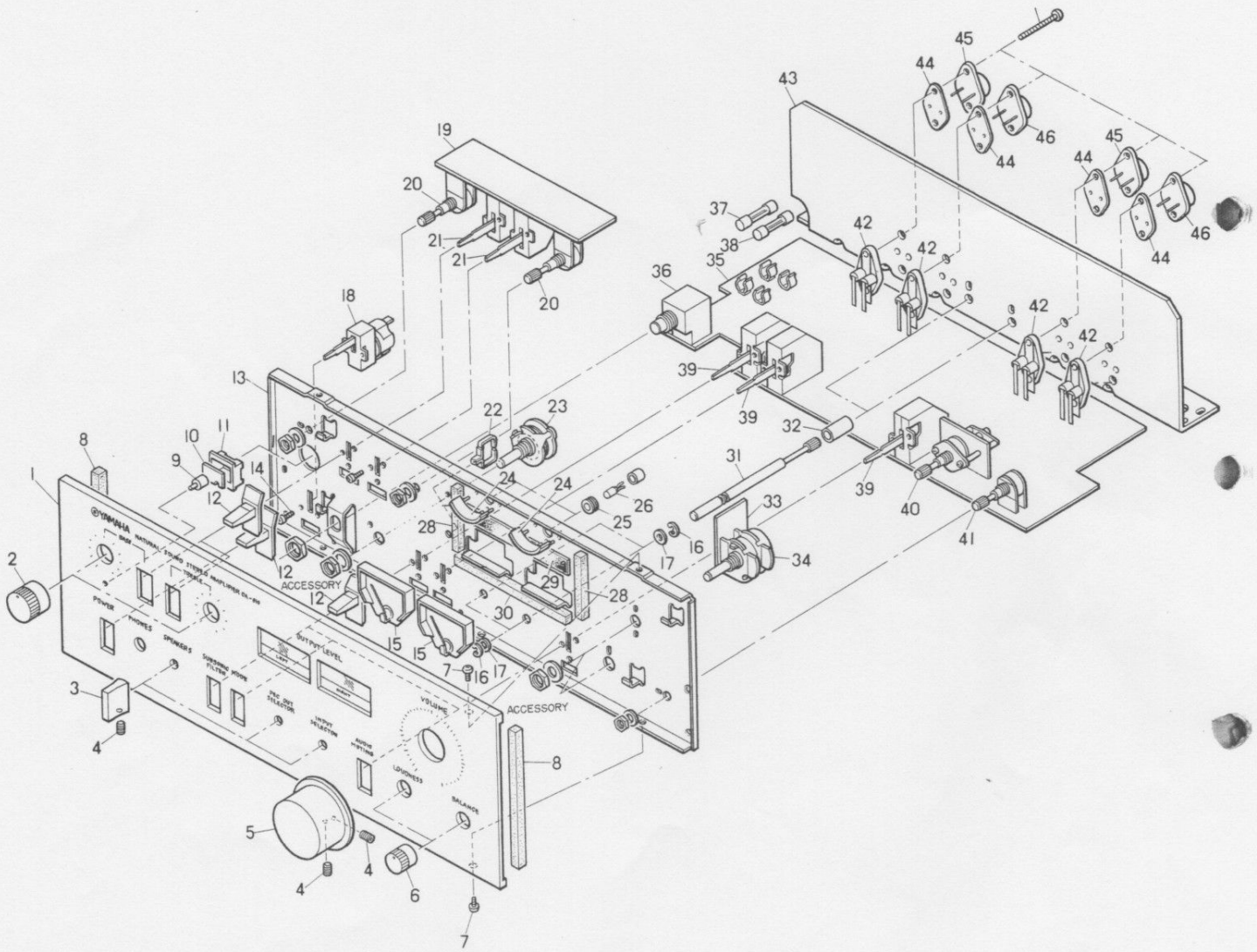
BL ▶ Black	VI ▶ Violet
BR ▶ Brown	GY ▶ Gray
RE ▶ Red	WH ▶ White
OR ▶ Orange	GG ▶ Light Green
YE ▶ Yellow	SB ▶ Light Blue
GR ▶ Green	PK ▶ Pink

SYMBOL	PARTS NAME
⟿	FUSE RESISTOR
△	METAL OXIDE RESISTOR
□	CEMENT RESISTOR
NO MARK	CARBON RESISTOR
⊠	CEMENT MOLDED RESISTOR
▲	METALIZED FILM RESISTOR

SYMBOL	PARTS NAME
◎	MYLAR CAPACITOR
NO MARK	CERAMIC CAPACITOR
○	POLYSTYRENE CAPACITOR
NO MARK	(BI-POLAR) ELECTROLYTIC CAPACITOR
●	LOW-NOISE ELECTROLYTIC CAPACITOR

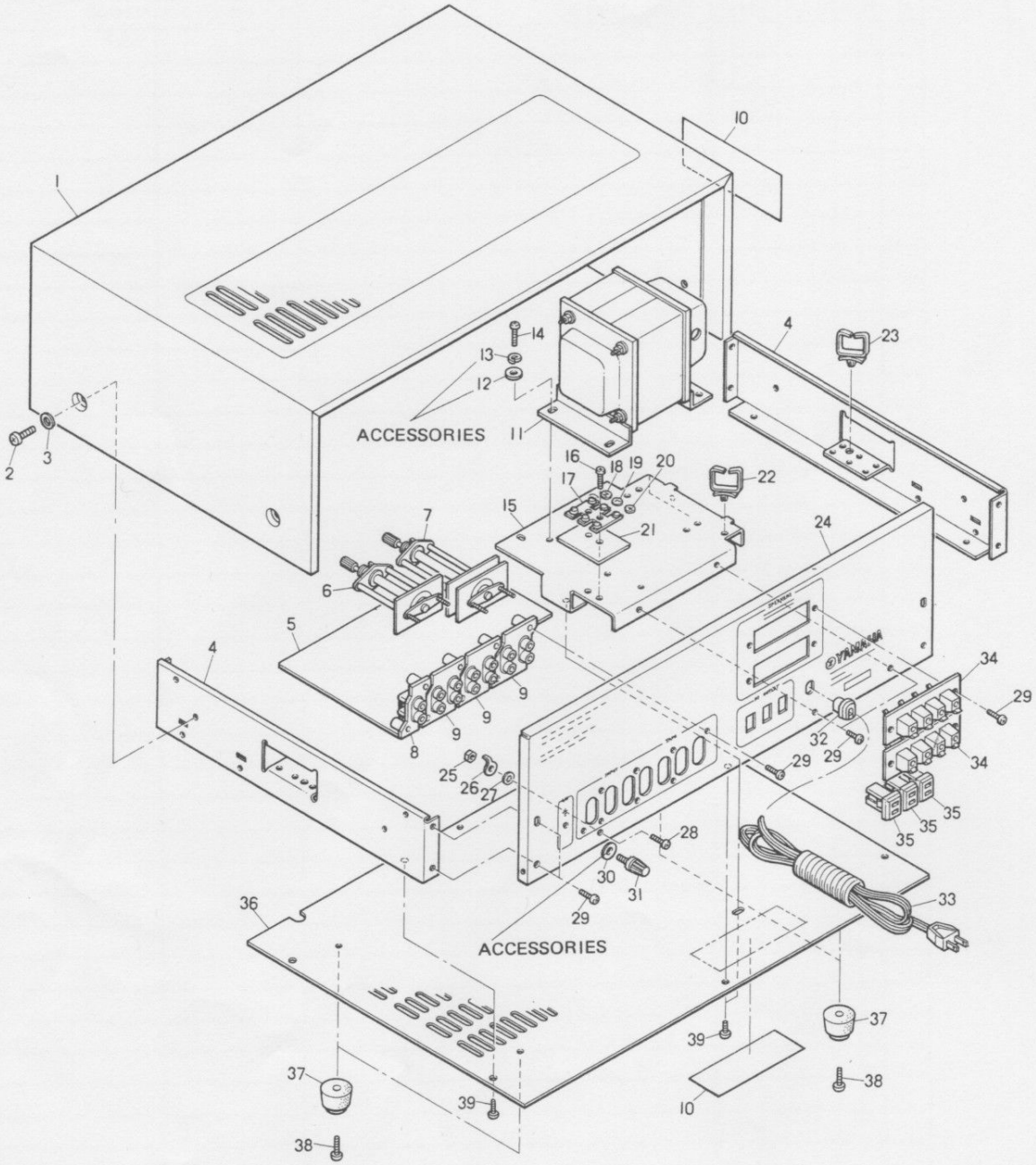


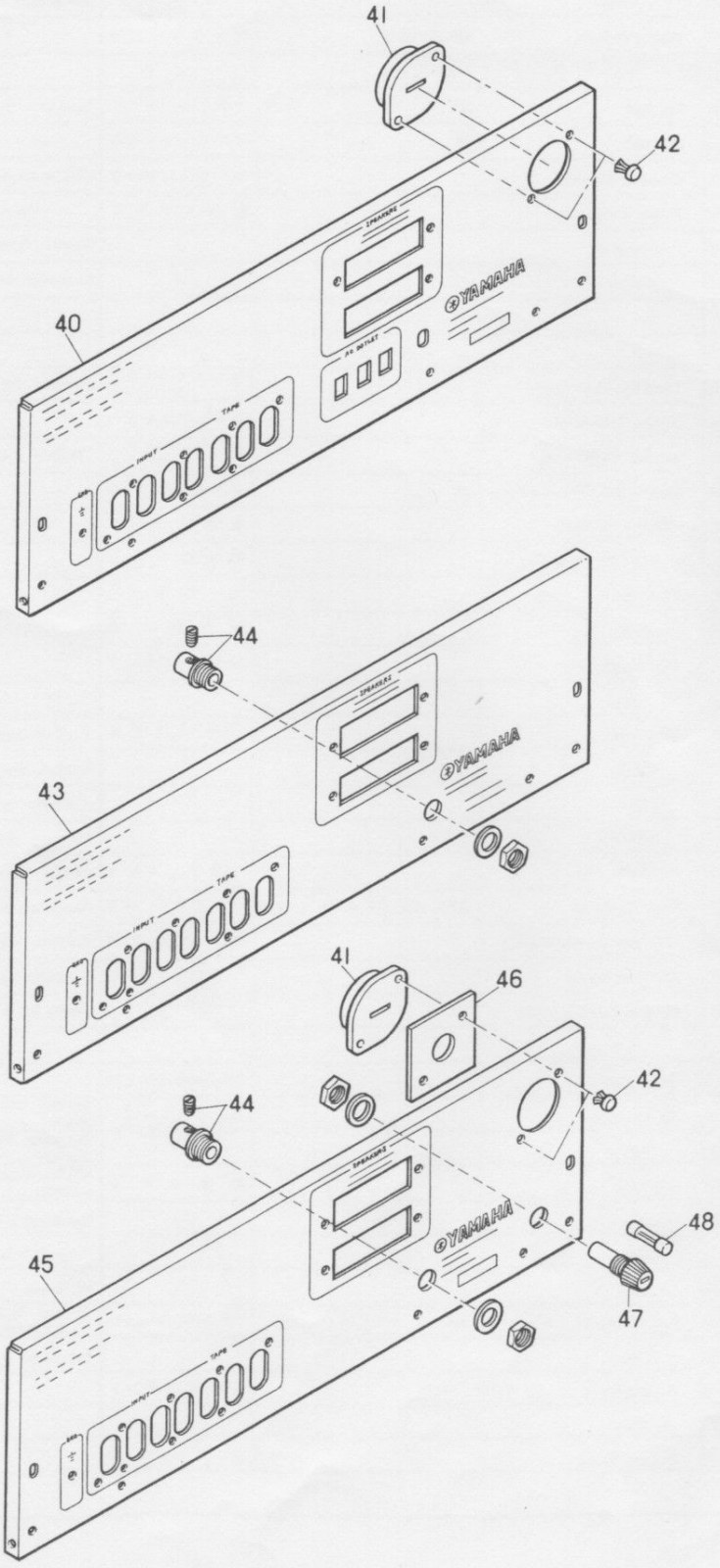
PARTS LIST


ACCESSORY
ACCESSORY
VOLUME
BALANCE
LOUDNESS
POWER
PHONES
SPEAKERS

Ref. No.	Parts No.	Description			Remarks	Common Models	
1	32 00 00 BA 06 87 30	Front Panel		フロントパネル			
2	32 00 00 BA 06 76 30	Knob Tone		ノブトーン			
3	32 00 00 BA 06 76 50	Knob Switch		ノブSW			
4	32 00 00 EZ 00 01 90	Screw Knob Holder		6角ソケットスクリュー			
5	32 00 00 BA 06 76 20	Knob Volume		ノブボリューム			
6	32 00 00 BA 06 76 40	Knob Balance		ノブバランス			
7	42 00 00 EI 03 00 80	Binding Tapping Screw		バインドタッピングネジ M3×8	ZMC2-Y 3×8		
8	42 00 00 CB 07 80 30	Tape		シャコウテープ			
9	42 00 00 IF 00 06 80	LED	SLP-132B	LED			
10	32 00 00 JB 00 04 00	Pilot Lamp	12V 60MA	パイロットランプ			
11	32 00 00 CB 07 78 00	LED Holder		LEDホルダー			
12	32 00 00 CB 07 58 00	Knob Lever		レバーツマミ			
13	42 00 00 CB 08 30 70	Sub Chassis		サブシャーツ			
14	42 00 00 ED 03 00 60	Binding Head Screw		バインド小ネジ M3 6	ZMC2-Y 3×6		
15	42 00 00 JI 00 03 80	Peak Level Meter	A3A	レベルメーター			
16	42 00 00 EV 50 15 00	Ring E		E リング	5M		
17	42 00 00 CB 06 09 50	Washer		ワッシャー			
18	42 00 00 KA 20 04 60	Power Switch		パワー右SW	US, General, Australian models		
	42 00 00 KA 20 03 40	–do.–		〃	Canadian model		
	42 00 00 KA 20 04 70	–do.–		〃	European & BS models		
19		T.C Circuit Board is included in the MAIN Circuit Board					
20	42 00 00 HS 31 00 80	Variable Resistor	G30K 2	ソリッドボリュム			
21	42 00 00 KA 20 03 10	Lever Switch	SX-15	レバーSW	Australian model		
22	42 00 00 CB 06 91 20	Wire Supporter		ワイヤークリップ			
23	42 00 00 KA 50 06 60	Rotary Switch	SR-321	ロータリーSW			
24	32 00 00 CB 07 58 60	Collor Plate		カラープレート			
25	32 00 00 CB 07 58 70	Gum Bush		ゴムブッシュ			
26	42 00 00 JB 00 04 00	Pilot Lamp	12V 60MA	パイロットランプ			
28	42 00 00 CB 07 60 40	Tape	No. 217	テープ			
29	42 00 00 CB 07 55 80	Meter Holder		メーター押込			
30	42 00 00 CB 07 66 30	Tape		シャコウテープ			
31	32 00 00 BA 06 76 60	Extention Bar		延長シャフト			
32	32 00 00 CB 07 13 80	Joint	1=25	ジョイント			
33		Volume Circuit Board is included in the MAIN Circuit Board					
34	42 00 00 HS 32 03 50	Variable Resistor	B200K x 2	ボリューム	VOL		
35	42 00 00 NA 06 81 60	MAIN Circuit Board		MAシート	General & Australian models		
	42 00 00 NA 06 81 70	–do.–		〃	US model		
	42 00 00 NA 06 81 00	–do.–		〃	European & BS models		
	42 00 00 NA 06 80 90	–do.–		〃	Canadian model		
36	42 00 00 LB 30 03 90	Phone Jack		フォーンジャック	Australian model		
37	42 00 00 KB 00 03 50	Fuse	250V 2AT	ヒューズ	General & Australian models		
	42 00 00 KB 00 07 50	–do.–		〃	European & BS models		
	42 00 00 KB 00 10 50	–do.–	250V 1AT	〃	US & Canadian models		
38	42 00 00 KB 00 02 10	–do.–	125V 1AT	〃	General & Australian models		
	42 00 00 KB 00 06 70	–do.– Miniature Type	250V 630MA	〃	European & BS models		
	42 00 00 KB 00 10 20	–do.–	250V 1AT	〃	US, Canadian models		
39	42 00 00 KA 20 03 10	Lever Switch	SX-15	レバーSW	Australian model		
40	42 00 00 KA 50 06 90	Rotary Switch	SR-263	ロータリー			

Ref. No.	Parts No.	Description		Remarks	Common Models	
41	42 00 00 HS 31 00 70	Variable Resistor	BH200K x 2	ボリューム	Australian model Balance	
42	42 00 00 LB 30 04 00	Transistor Socket		TRソケット		
43	32 00 00 BA 06 76 70	Heat Sink		放熱板		
44	42 00 00 IL 00 02 30	Mica Base		マイカベース		
45	42 00 00 IA 07 45 50	Transistor	2SA 745	トランジスタ		
46	42 00 00 IC 14 03 00	–do.–	2SC 1403	〃		
47	42 00 00 EA 13 01 60	Pan Head Screw		ナベ小ネジ 3 × 16	FNM3-3G	


ACCESSORIES
ACCESSORIES


41
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YAMAHA
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YAMAHA
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YAMAHA

Ref. No.	Parts No.	Description		Remarks	Common Models	
1	32 00 47 23 61 44 10	Cabinet	外装			
2	32 00 47 ED 35 01 00	Binding Head Screw	バインド小ネジ M5×10	FCM-BL 5 x 10		
3	32 00 47 CB 07 59 60	Mylar Washer	マイラーワッシャー	AU Common		
4	32 00 00 AA 08 30 70	Side Frame	サイドフレーム			
5	32 00 00 NA 06 75 90	EQ Circuit Board	イコライザーシート	General, Australian & Canadian models		
	32 00 00 NA 06 80 40	– do.–	〃	US model		
	32 00 00 NA 06 80 50	– do.–	〃	European & BS models		
6	32 00 00 KA 00 02 10	Rotary Switch, SR-26 1-2-5	ロータリーSW			
7	32 00 00 KA 00 02 60	→ Replace par KA50660 – do.– SR-26 2-2-6	〃			
8	32 00 00 LB 20 08 90	Pin Jack 2P	2Pピンジャック	Australian model		
9	32 00 00 LB 40 02 80	Pin Jack 4P	4Pピンジャック	– do.–		
10	42 00 00 CB 07 16 70	Courtion Sticker	コーションマーク	US/Canadian models		
11	42 00 00 GA 60 89 10	Power Transformer	電源トランス	– do.–		
	42 00 00 GA 60 89 20	– do.–	〃	General, European & BS models		
	42 00 00 GA 60 89 50	– do.–	〃	Australian model		
14	42 00 00 EH 04 00 80	Sems Pan Head Screw	セムスナベ小ネジ M4×8S	ZMC2-Y 4 x 8s		
15	32 00 00 AA 08 11 60	Holder Transformer	トランスホルダー			
16	42 00 00 ED 03 01 60	Binding Head Screw	バインド小ネジ M3×16	ZMC2-Y 3 x 16		
17	42 00 00 LA 00 10 40	Connection Terminal Plate 3P	3P中継端子台ボイボ			
18	42 00 00 CA 06 06 70	Center Line Mark	中立線マーク			
19	42 00 00 CA 06 06 80	Charge Line Mark	充電線マーク			
20	42 00 00 CA 06 09 60	Earth Mark	アースマーク			
21	32 00 00 CB 07 34 90	Isolation	絶縁板			
22	32 00 00 CB 06 94 80	Wire Supporter	ワイヤークリップ			
23	32 00 00 CB 06 94 70	– do.–	〃			
24	32 00 00 AA 08 30 80	Rear Panel	リヤーパネル	General model		
	32 00 00 AA 08 30 90	– do.–	〃	US/Canadian models		
	32 00 00 AA 08 31 00	– do.–	〃	Australian model		
	32 00 00 AA 08 31 10	– do.–	〃	European & BS models		
25	42 00 00 EV 10 03 00	Hexagonal Nut	6角ナットM3	ZMC2-Y 3.0		
26	42 00 00 LA 00 16 00	Earth Terminal 3.5M 36L T=0.5 N1	アースラグ M3	Australian model		
27	42 00 00 EV 41 00 30	Theethed Looked Washer	歯付座金3S	ZMC2-Y A3S		
28	42 00 00 EA 30 50 80	Pan Head Screw	ナベFTネジ M3PO5×8	FCM-BL 5 x 8		
29	42 00 00 EI 33 00 80	Binding Tapping Screw	バインドタッピングネジ M3×8	ZMC2-BL 3 x 8		
31	42 00 00 LA 00 10 70	Earth Terminal	アース端子ツマミ式			
32	42 00 00 CB 06 86 30	Cord Stopper	コードストッパー	General, US/Canadian models		
	42 00 00 CB 07 06 90	– do.–	〃	European, BS & Australian models		
33	42 00 00 MG 00 03 40	AC Cord	電源コード	US/Canadian & General models		
	42 00 00 MG 00 02 90	– do.–	〃	European model		
	42 00 00 MG 00 05 00	– do.–	〃	Australian model		
	42 00 00 MZ 06 78 40	– do.–	〃	BS model		
34	42 00 00 LA 00 15 60	Push Terminal 4P	4Pプッシュターミナル	General, Australian, European, BS & Canadian models		
	42 00 00 LA 00 18 30	– do.–	〃	US model		
35	42 00 00 LB 20 09 10	AC Socket	ACコンセント			
	42 00 00 LB 20 07 10	– do.–	〃			
36	32 00 00 AA 08 11 30	Bottom Board	底板			

Ref. No.	Parts No.	Description		Remarks	Common Models	
37	42 00 00 CB 07 59 00	Leg	脚			
38	42 00 00 EI 03 01 50	Binding Tapping Screw	バインドタッピングネジ 3×15	ZMC2-Y 3 x 15		
39	42 00 00 EI 03 00 80	– do.–	〃 3×8	ZMC2-Y 3 x 8		
40	32 00 00 AA 08 30 80	Rear Panel	リヤパネル	General model		
41	42 00 00 LB 20 02 60	Voltage Selector	電源圧口容器	Australian model		
42	32 00 00 CB 06 88 80	Plastic Rivet	プラスチックリベット			
43	32 00 00 AA 08 31 00	Rear Panel	リアパネル	Australian model		
44	42 00 00 CB 07 06 90	Cord Stopper EA-5	コードストッパー			
45	32 00 00 AA 08 31 10	Rear Panel	リヤーパネル	European & BS models		
46	32 00 00 CB 07 65 60	V.S. Insulator	VS絶縁体			
47	42 00 00 LB 20 05 90	Fuse Holder FEB 031	ヒューズホルダー			
48	42 00 00 KB 00 07 40	Miniature Fuse 250V 1.6AT	ヒューズタイムラグ			