

ADDITIONAL

 **PIONEER**

Service Manual

FM Quartz Locked
STEREO RECEIVER

SX-3800 S/G, S

- The basic performance of the S/G and S types are the same as the KU type. This additional service manual is applicable to the S/G and S types. Please refer to the KU type service manual with exception of this supplements.

1. SPECIFICATIONS

The specifications for S/G and S types are the same as the KU type except for following sections.

Power Requirements

KU type AC 120V, 60Hz
S/G and S types AC 110V, 120V, 220V and 240V,
50/60Hz

Power Consumption


KU type 200W (UL)
S/G and S types 200W

Weight (without package)

KU type 16.2kg (35lb 12oz)
S/G and S types 16.7kg (36lb 13oz)

2. CONTRAST OF MISCELLANEOUS PARTS







NOTES:

- Parts without part number cannot be supplied.
- The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

ASSEMBLY

Symbol	Description	Part No.		Remarks
		KU type	S/G, S types	
	Switch assembly	AWS-146	AWS-148	DE-EMPHASIS

ELECTRO-PARTS

Symbol	Description	Part No.		Remarks
		KU type	S/G, S types	
 T1	Power transformer	ATT-677	ATT-683	
 S14	Lever switch (POWER)	ASK-507	ASK-508	
 S15	Line voltage selector	AKR-031	
 R1	Resistor 2.2M	ACN-029	
	Fuse holder	AKR-032	
	AC power cord	ADG-023	ADG-046	
 FU1	Fuse	AEK-109	AEK-109 (S/G) AEK-101 (S)	

PACKING AND FURNISHED PARTS

Symbol	Description	Part No.		Remarks
		KU type	S/G, S types	
	Operating instructions	ARB-355	ARB-357	
	Fuse	AEK-101 (S/G) (AEK-107 (S)	
	Packing case	AHD-755	AHD-758 (S/G) AHD-755 (S)	
	Spacer	AHB-104 (S/G)	

3. SCHEMATIC DIAGRAM, P.C. BOARD PATTERNS AND I

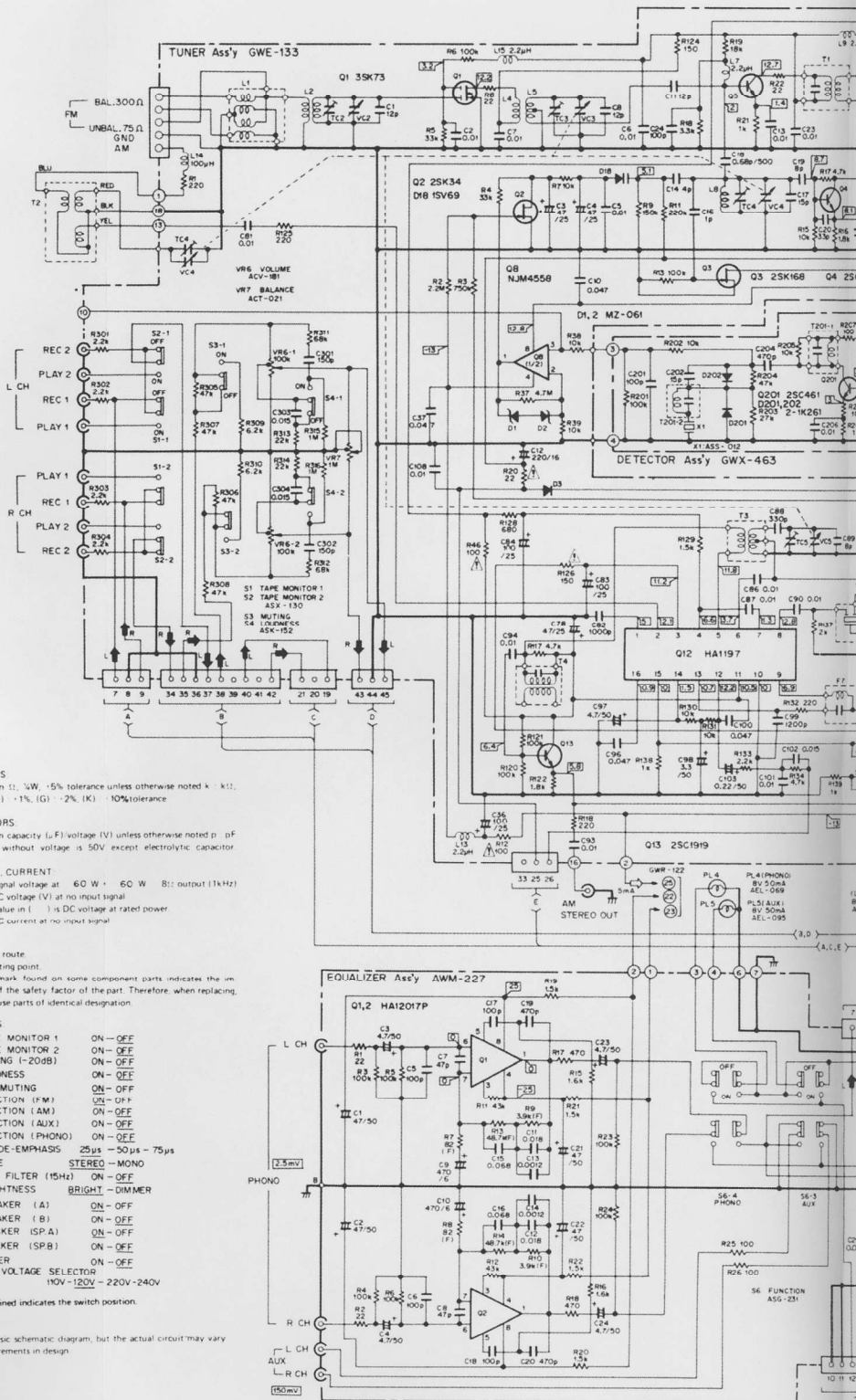
3.1 SCHEMATIC DIAGRAM

A

B

C

D



1. RESISTORS

Indicated in Ω, μ , k , M , M : (F) -1%, (G) -2%, (K) -10% tolerance

2. CAPACITORS

Indicated in capacity (μ F), voltage (V) unless otherwise noted, pF
 Indication without voltage is 50V except electrolytic capacitor

3. VOLTAGE, CURRENT

∇ Signal voltage at 60 W + 60 W 8 Ω output (1k Hz)
 \square DC voltage (V) at no input signal
 Value in | | | : DC voltage at rated power
 ∇ mA DC current at no input signal

4. OTHERS

\rightarrow Signal route
 \otimes Adjusting point
 The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

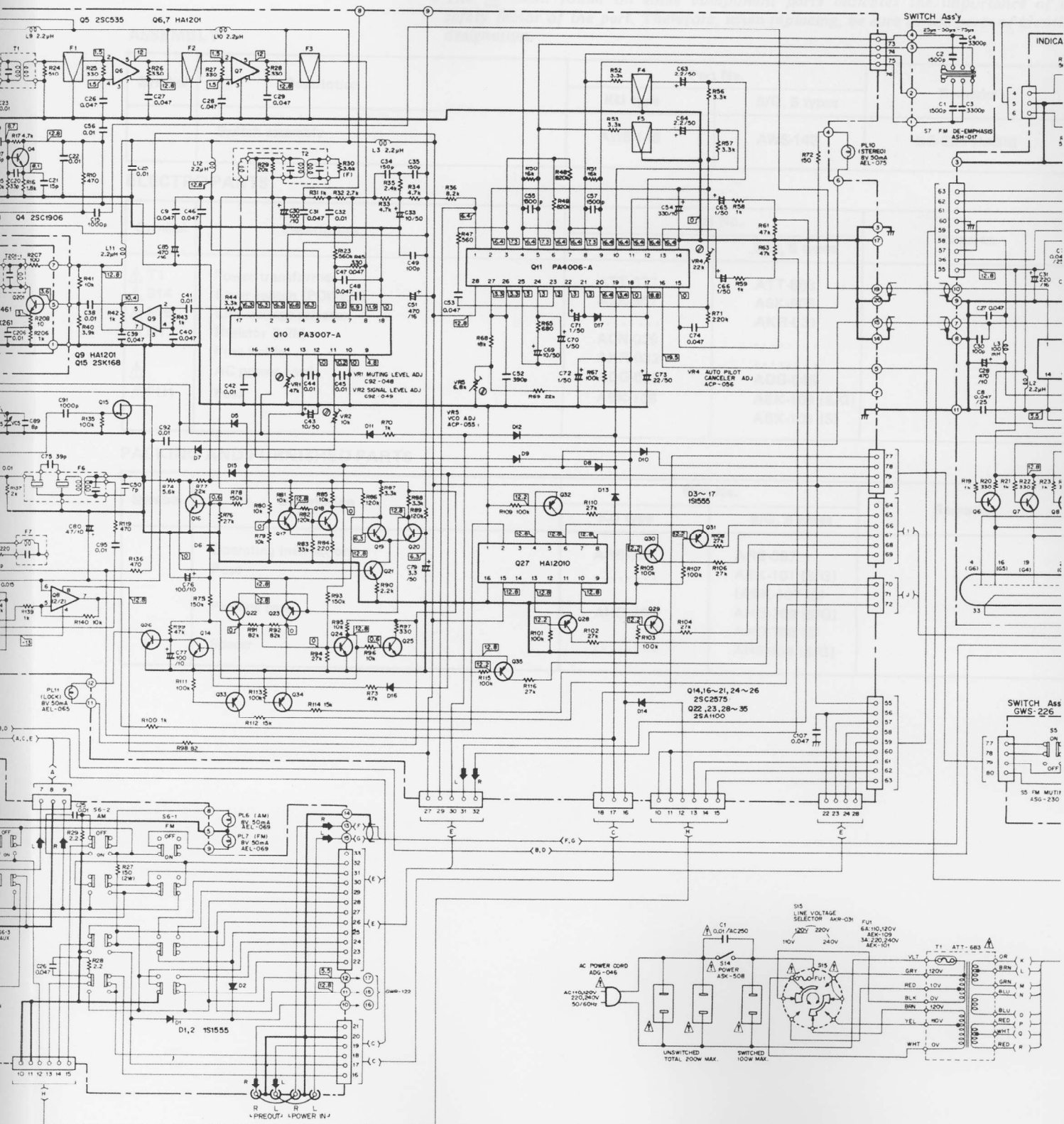
SWITCHES

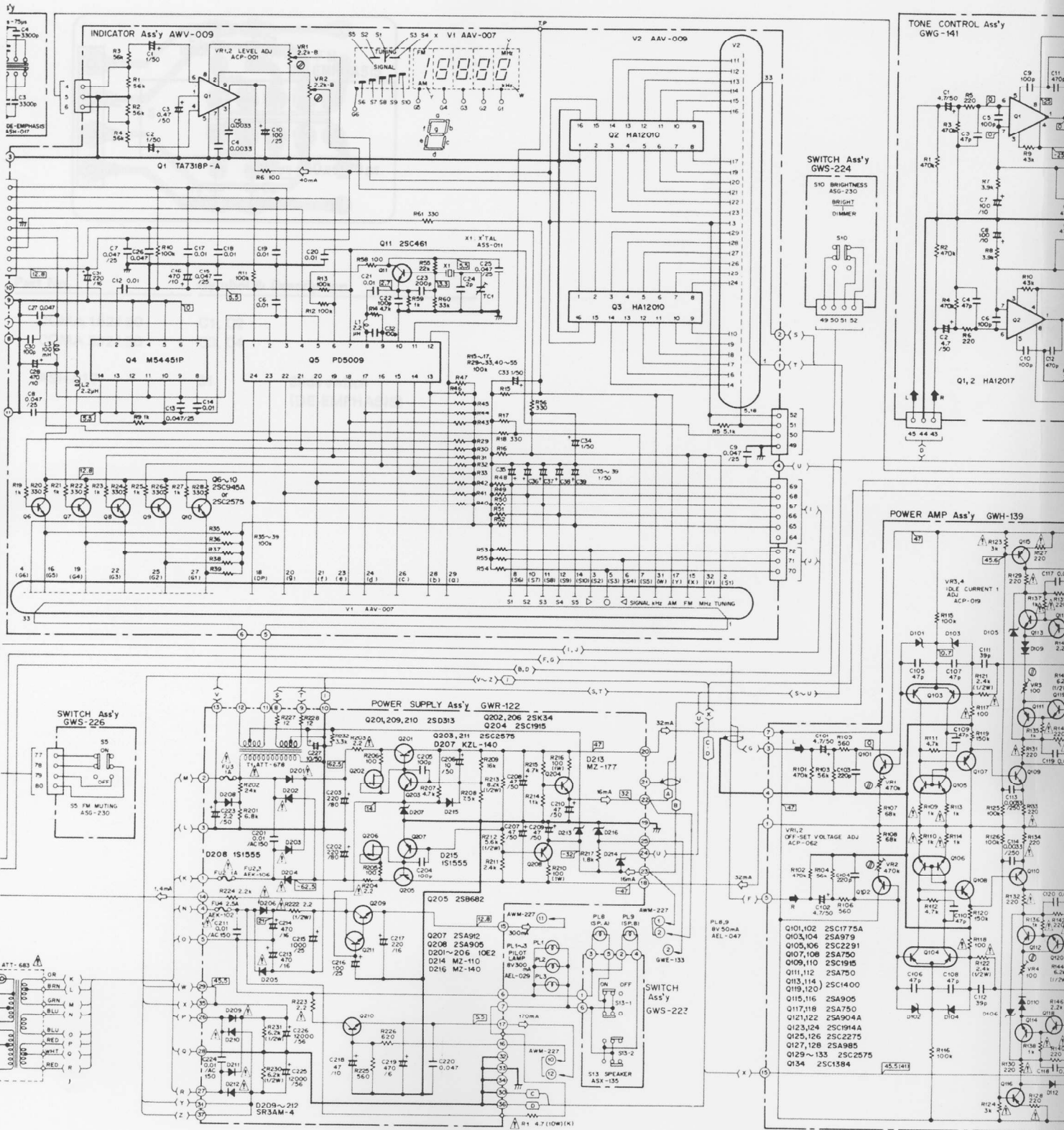
- S1: TAPE MONITOR 1 ON - OFF
- S2: TAPE MONITOR 2 ON - OFF
- S3: MUTING (-20dB) ON - OFF
- S4: LOUDNESS ON - OFF
- S5: FM MUTING ON - OFF
- S6-1: FUNCTION (FM) ON - OFF
- S6-2: FUNCTION (AM) ON - OFF
- S6-3: FUNCTION (AUX) ON - OFF
- S6-4: FUNCTION (PHONO) ON - OFF
- S7: FM DE-EMPHASIS 25 μ s - 50 μ s - 75 μ s
- S8: MODE STEREO - MONO
- S9: LOW FILTER (15Hz) ON - OFF
- S10: BRIGHTNESS BRIGHT - DIMMER
- S11: SPEAKER (A) ON - OFF
- S12: SPEAKER (B) ON - OFF
- S13-1: SPEAKER (SP.A) ON - OFF
- S13-2: SPEAKER (SP.B) ON - OFF
- S14: POWER ON - OFF
- S15: LINE VOLTAGE SELECTOR 110V - 120V - 220V - 240V

The underlined indicates the switch position.

This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

D PARTS LIST





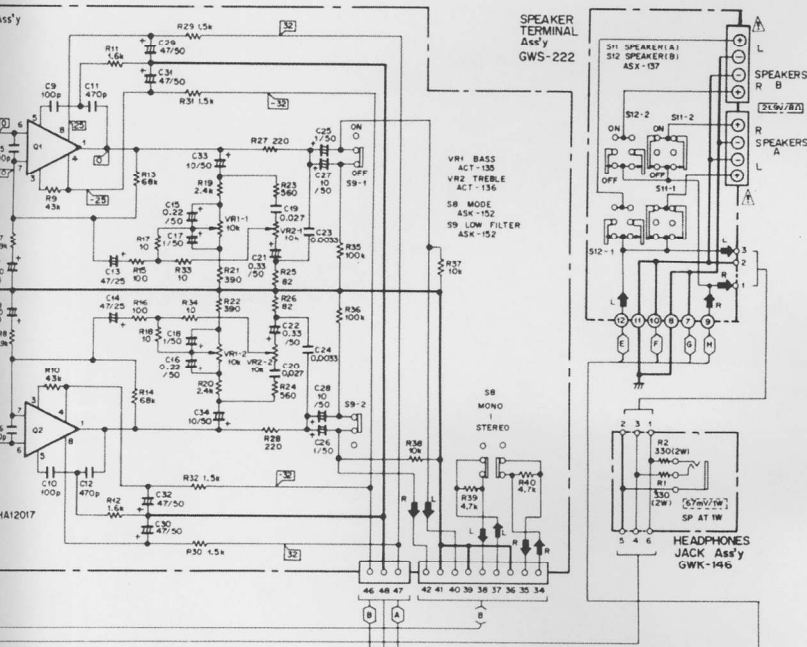
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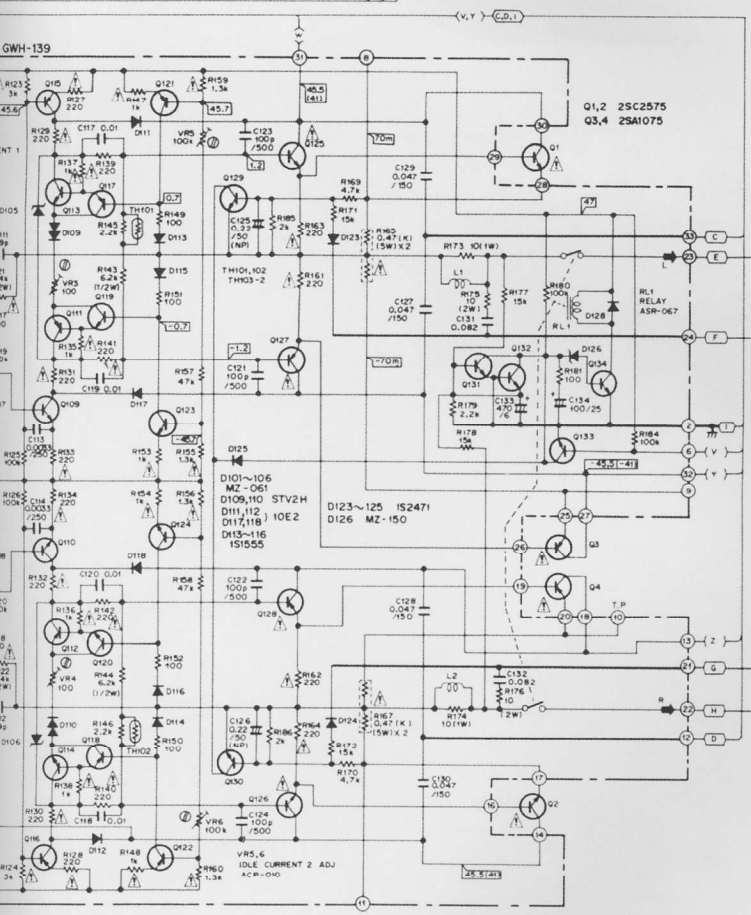
NOTE:

The indicated semiconductors are representative ones only. Other alternative semiconductors may be used and are listed in the parts list.



A

B



C

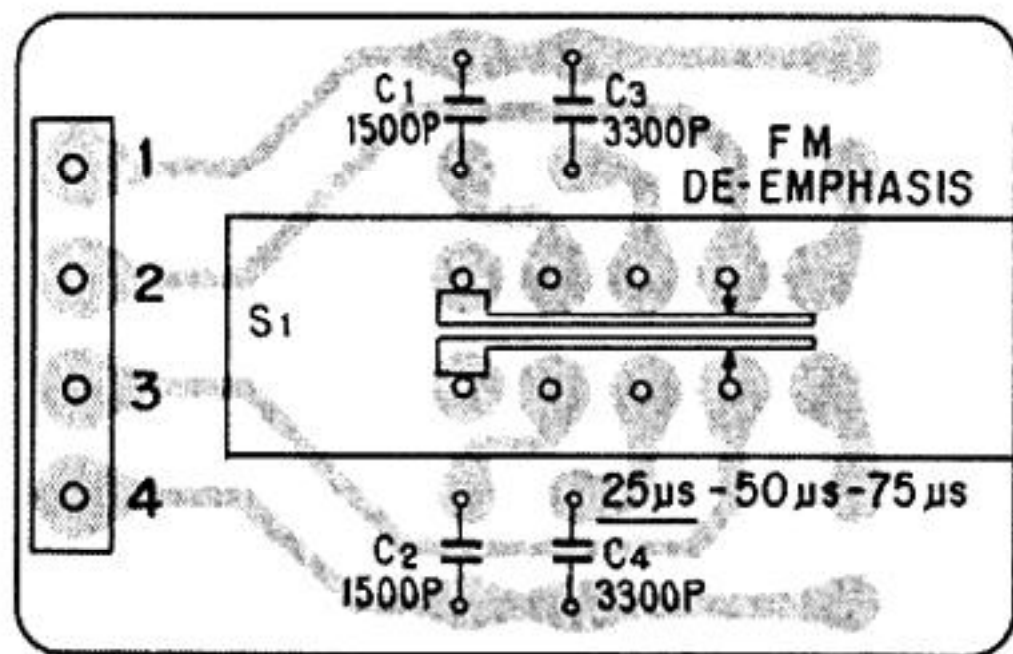
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3.2 SWITCH ASSEMBLY (AWS-148)



Part No.	Symbol & Description
CQMA 152J 50	C1, C2
CQMA 332J 50	C3, C4
ASH-017	S1 Slide switch (DE-EMPHASIS)