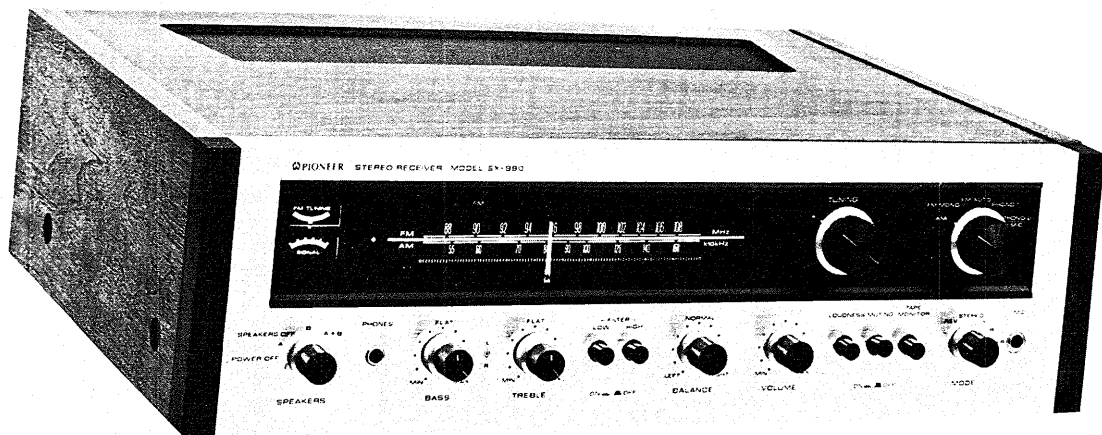
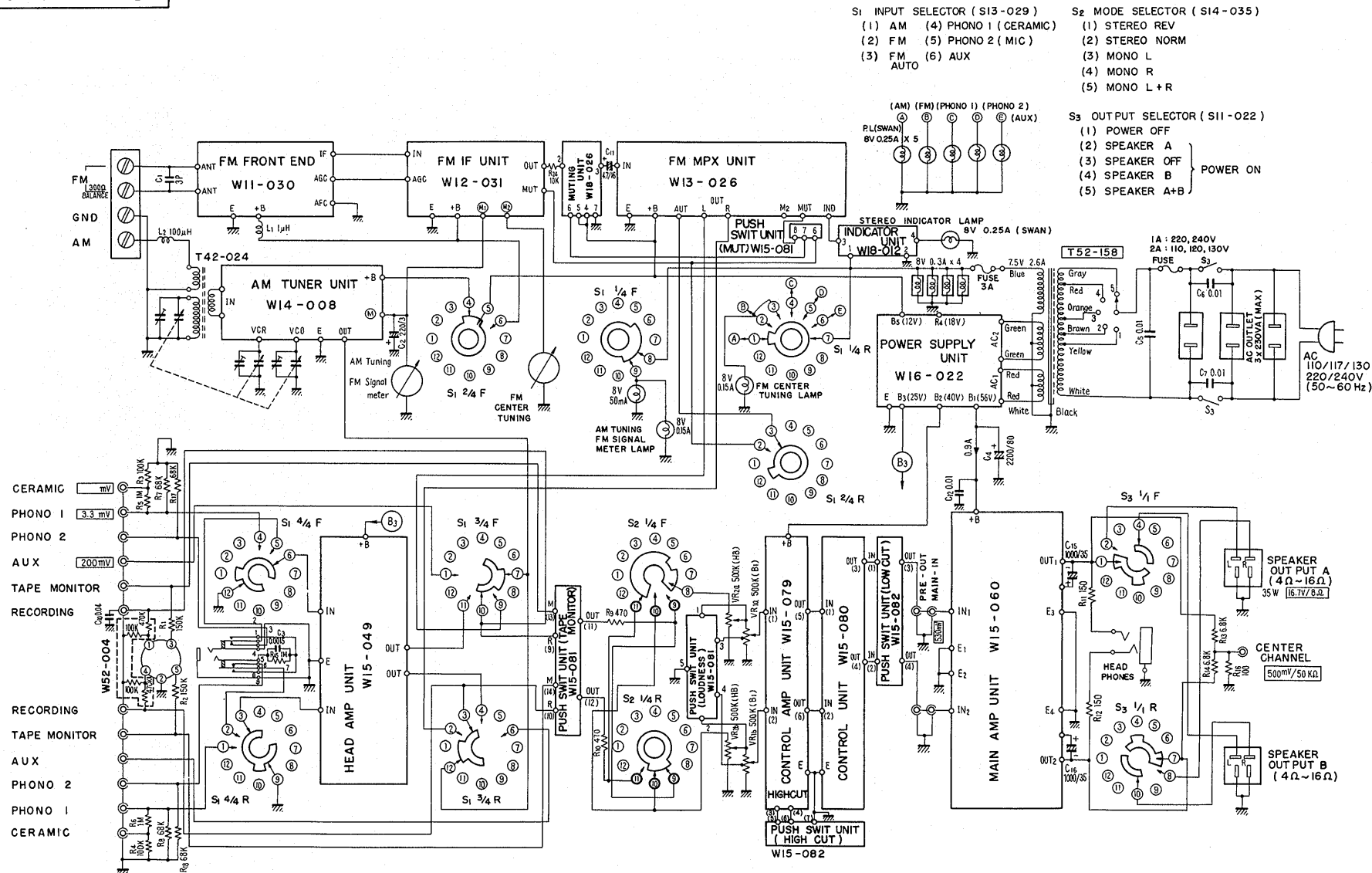


AM/FM STEREO RECEIVER

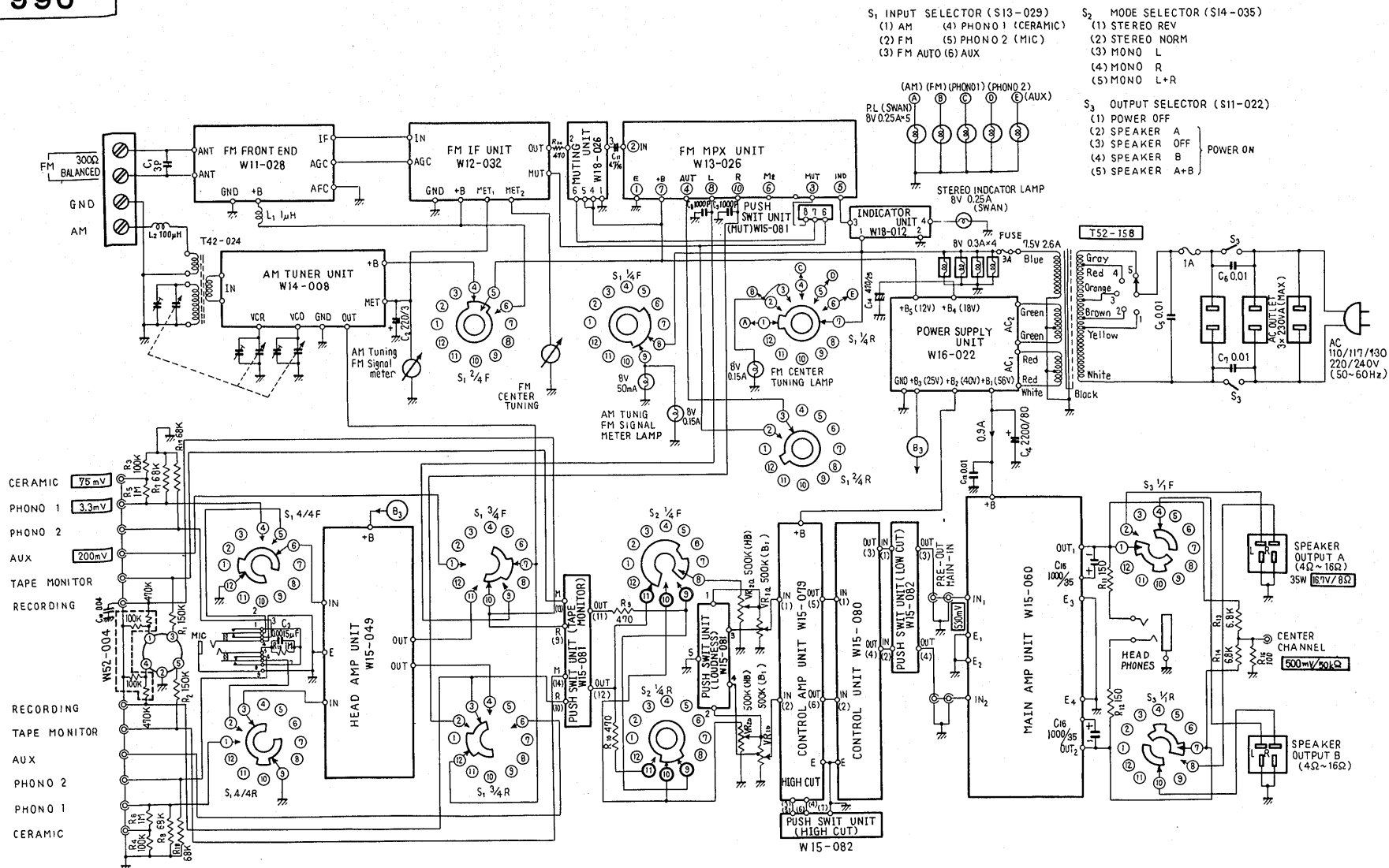
SX-990

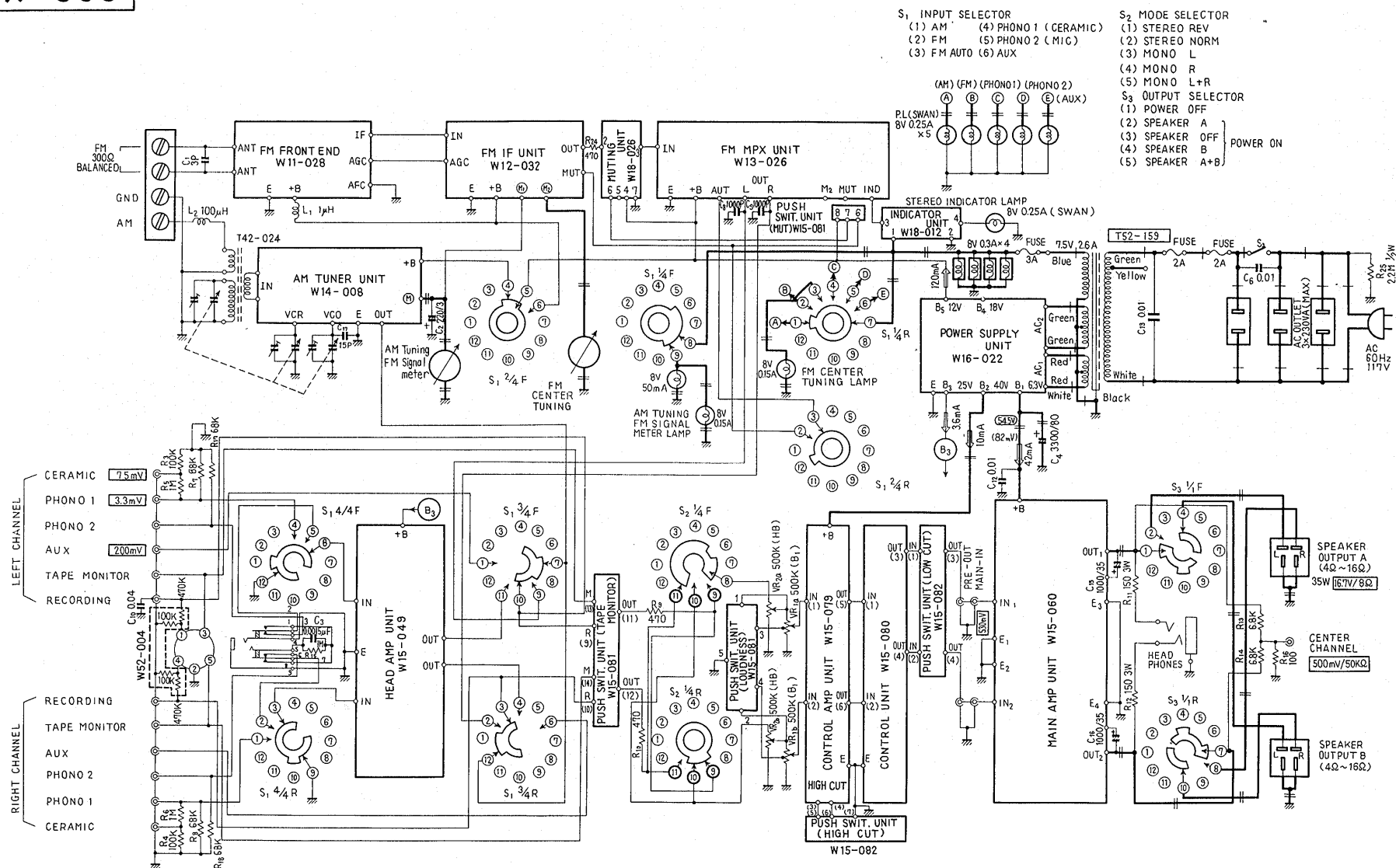
ROUND LABEL UNIT	FSAW	FVW	FVZW	KCW	KUW	NBW
TUNER UNIT						
FM FRONT END	W11-030	W11-028	AWB-001	W11-028	W11-028	W11-028
FM IF UNIT	W12-031	W12-032	W12-032	W12-032	W12-032	W12-032
MPX UNIT	W13-026	W13-026	W13-026	W13-026	W13-026	W13-026
AM TUNER UNIT	W14-008	W14-008	W14-008	W14-008	W14-008	W14-015
MUTING UNIT	W18-026	W18-026	W18-026	W18-026	W18-026	W18-026
HEAD AMP UNIT	W15-049	W15-049	W15-049	W15-049	W15-049	W15-049
CONTROL AMP UNIT	W15-079	W15-079	W15-079	W15-079	W15-079	W15-079
MAIN AMP UNIT	W15-060	W15-060	W15-060	W15-060	W15-060	W23-006
POWER SUPPLY UNIT	W16-022	W16-022	W16-022	W16-022	W16-022	W16-065
SWITCH UNIT	W15-081	W15-081	W15-081	W15-081	W15-081	W15-081
SWITCH UNIT	W15-082	W15-082	W15-082	W15-082	W15-082	W15-082
SWITCH UNIT						
TONE COLOR UNIT						
CONTROL UNIT	W15-080	W15-080	W15-080	W15-080	W15-080	W15-080
MIC AMP UNIT						
REVERBE AMP UNIT						
REVERBE UNIT						
INDICATOR UNIT	W18-012	W18-012	W18-012	W18-012	W18-012	W18-012





ITEM NO.	VACANT
R1 ~ R24	R19 ~ R23
C1 ~ C12	C8 ~ C9





(NOTE)

POTENTIOMETERS
 VR, MAIN VOLUME CONTROL (C85-054)
 VR₂, BALANCE VOLUME CONTROL (C85-048)
 RESISTORS
 NON MARK: OHM K: KILOHM W: WATT
 M: MEGOHM

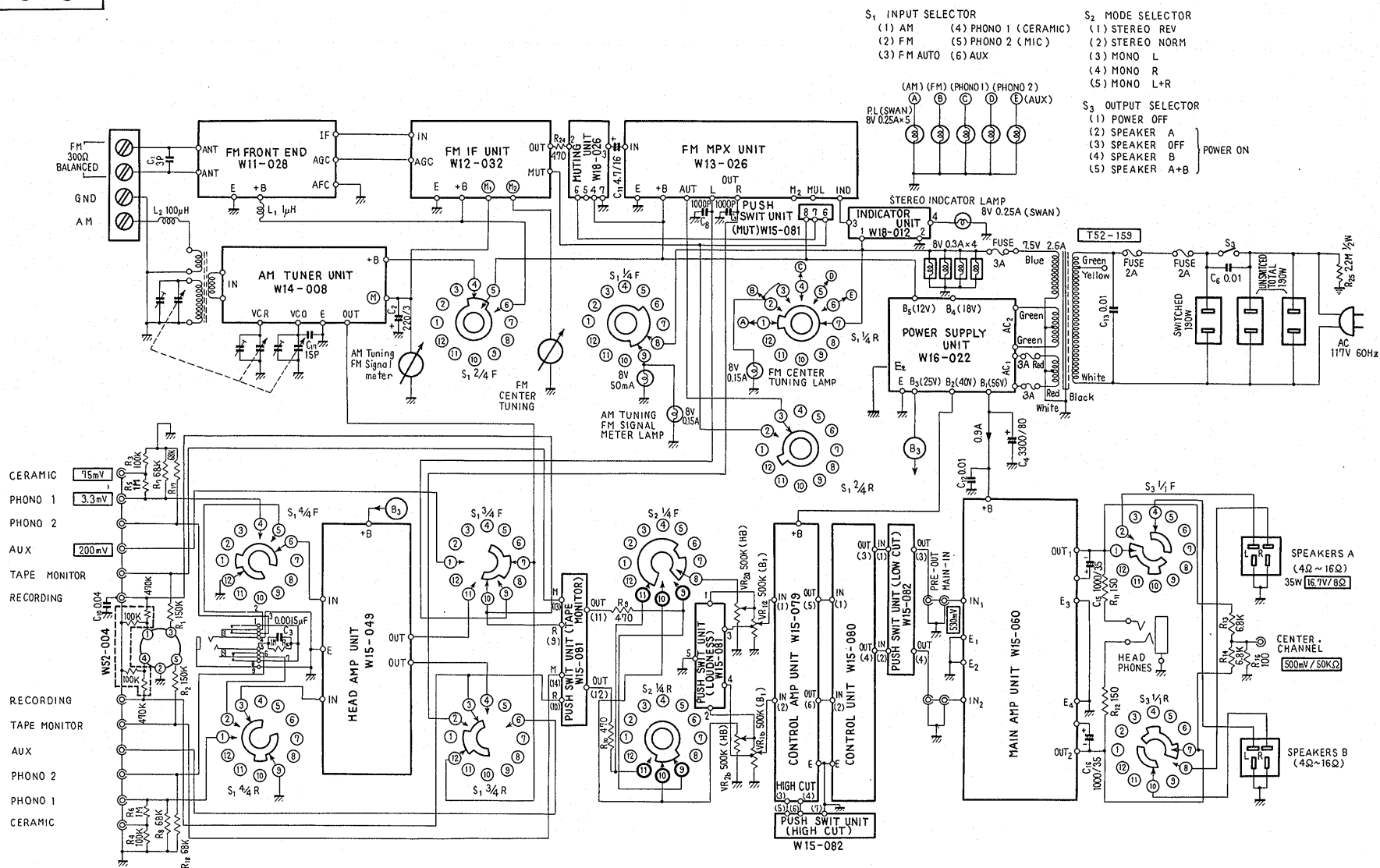
CAPACITORS
 NON MARK: μF
 P: pμF

CURRENT AND VOLTAGES
 ↑: NO INPUT SIGNAL DC CURRENT
 V: NO INPUT SIGNAL DC VOLTAGE
 ○: MAX INPUT SIGNAL DC VOLTAGE (ONE CHANNEL)
 □: SIGNAL VOLTAGE AT 35W/8Ω (SPEAKER OUTPUT)
 ALL VOLTAGE MEASURED WITH V.T.V.M.

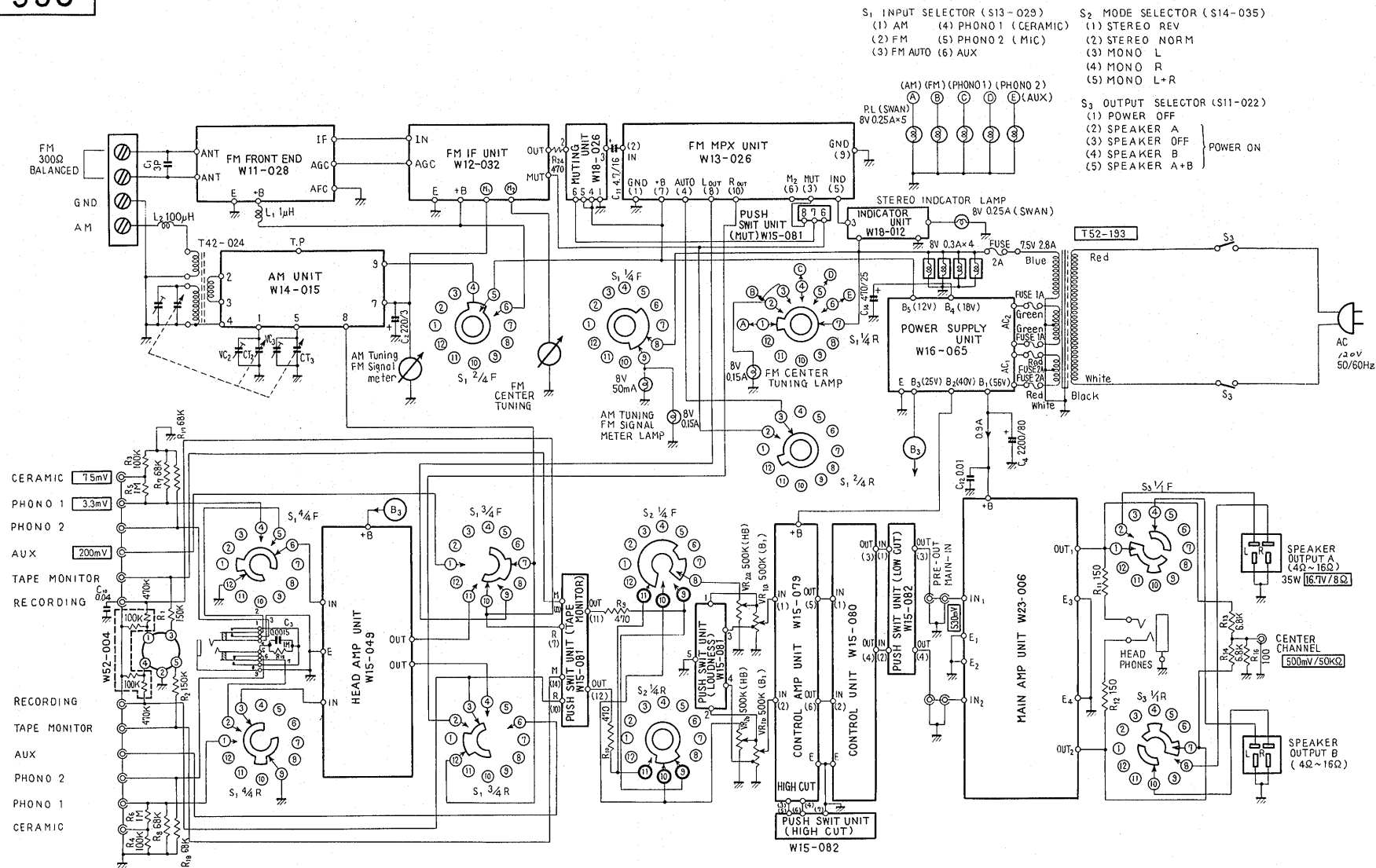
CSA APPROVED WIRE

TR-64
 TR-32

SECTION	ITEM NO	VACANT
1	R ₁ ~ R ₂₅	R ₁₅ ~ R ₂₃
2	C ₁ ~ C ₁₄	C ₅ , C ₇



ITEM No	VACANT
R ₁ ~ R ₂₅	R ₁₉ ~ R ₂₈
C ₁ ~ C ₁₉	C ₅ , C ₁₃

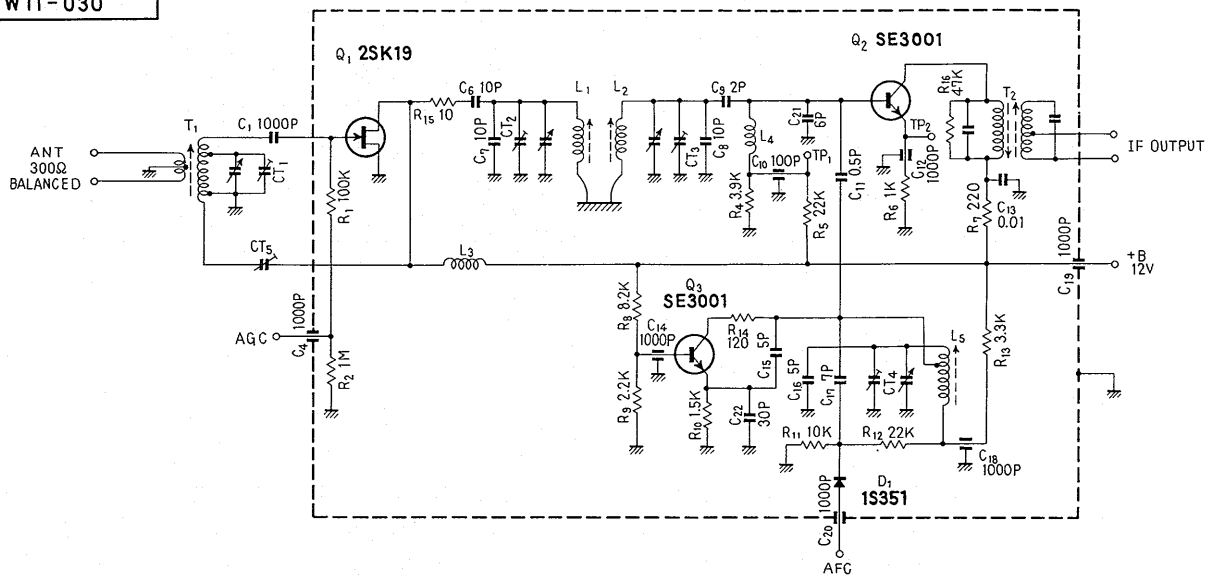


CERAMIC 75mV
PHONO 1 3.3mV
PHONO 2
AUX 200mV
TAPE MONITOR
RECORDING
RECORDING
TAPE MONITOR
AUX
PHONO 2
PHONO 1
CERAMIC

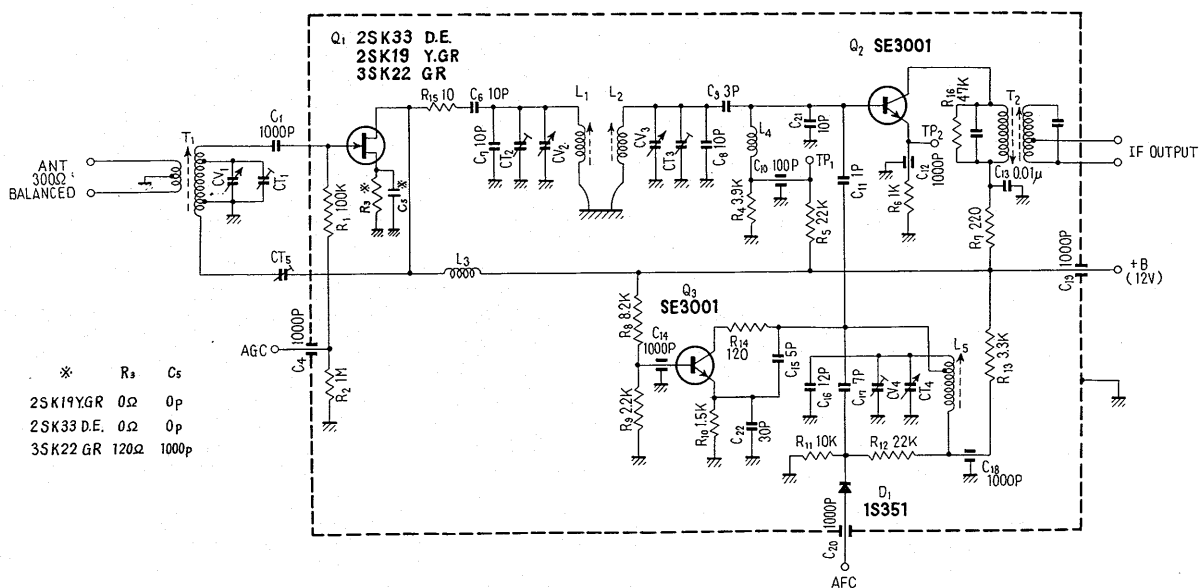
- S₁ INPUT SELECTOR (S13-029)
(1) AM (4) PHONO 1 (CERAMIC)
(2) FM (5) PHONO 2 (MIC)
(3) FM AUTO (6) AUX
- S₂ MODE SELECTOR (S14-035)
(1) STEREO REV
(2) STEREO NORM
(3) MONO L
(4) MONO R
(5) MONO L+R
- S₃ OUTPUT SELECTOR (S11-022)
(1) POWER OFF
(2) SPEAKER A
(3) SPEAKER OFF
(4) SPEAKER B
(5) SPEAKER A+B } POWER ON

ITEM No.	VACANT
R ₁ ~ R ₂₄	R ₁₉ ~ R ₂₃
C ₁ ~ C ₁₄	C ₈ , C ₉ , C ₁₀

W 11 - 030



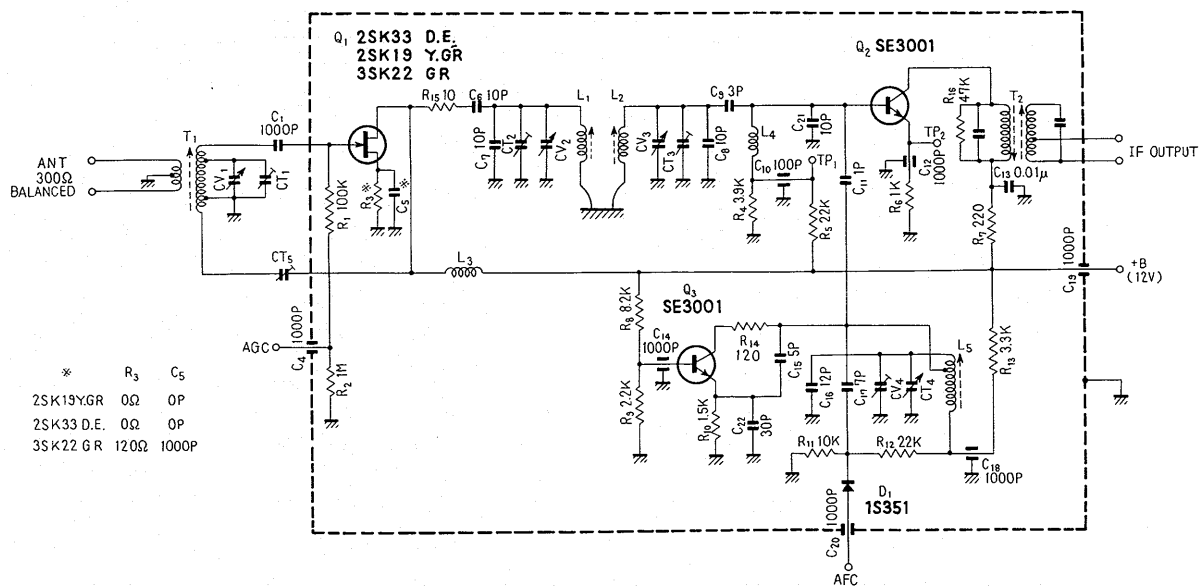
W11-028



FM FRONT END for FVZW model

FM FRONT END

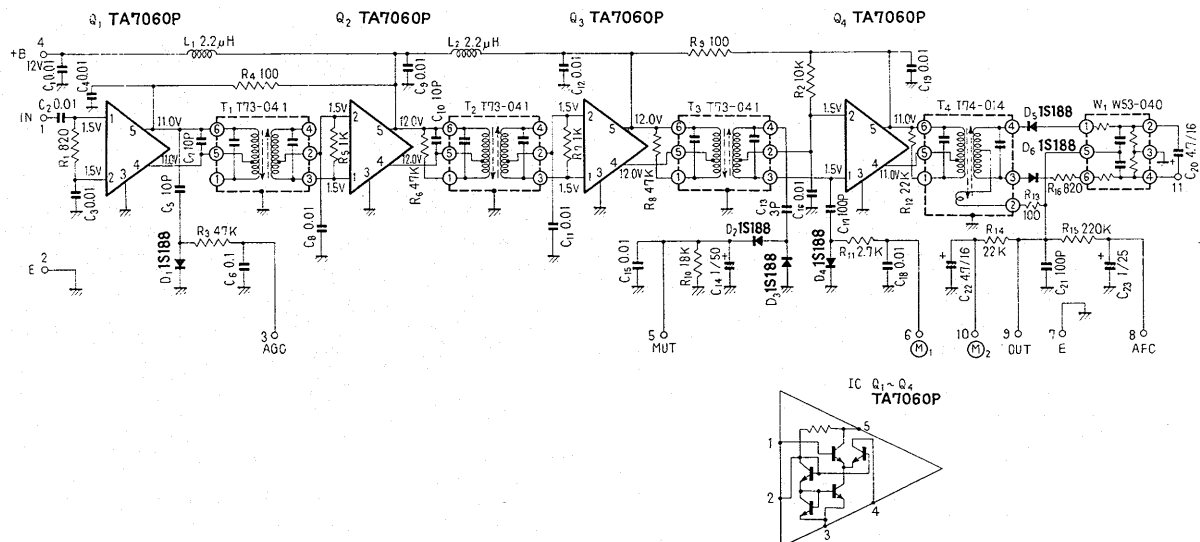
AWB-001



FM IF UNIT

FM IF UNIT

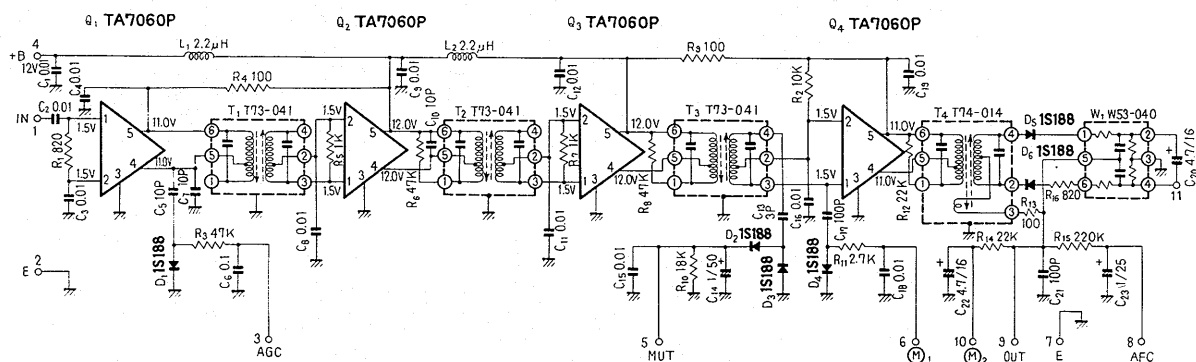
W12-031



FM IF UNIT for FVW, FVZW, KCW, KUW, NBW model

FM IF UNIT

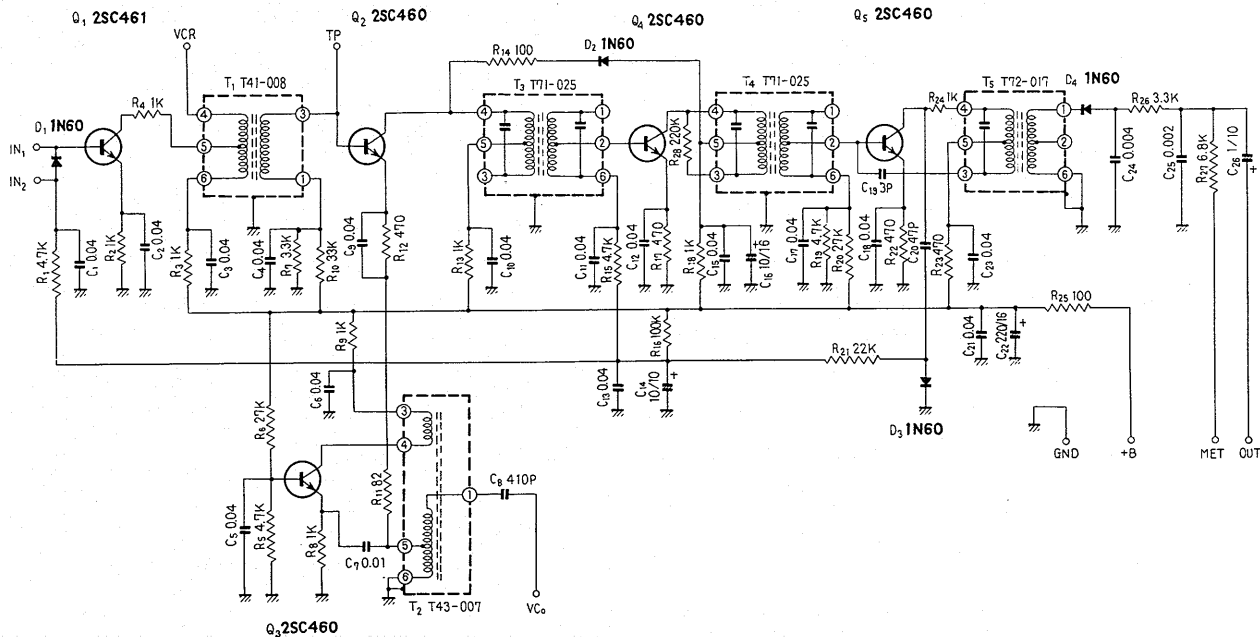
W12-032



AM TUNER UNIT

AM TUNER UNIT

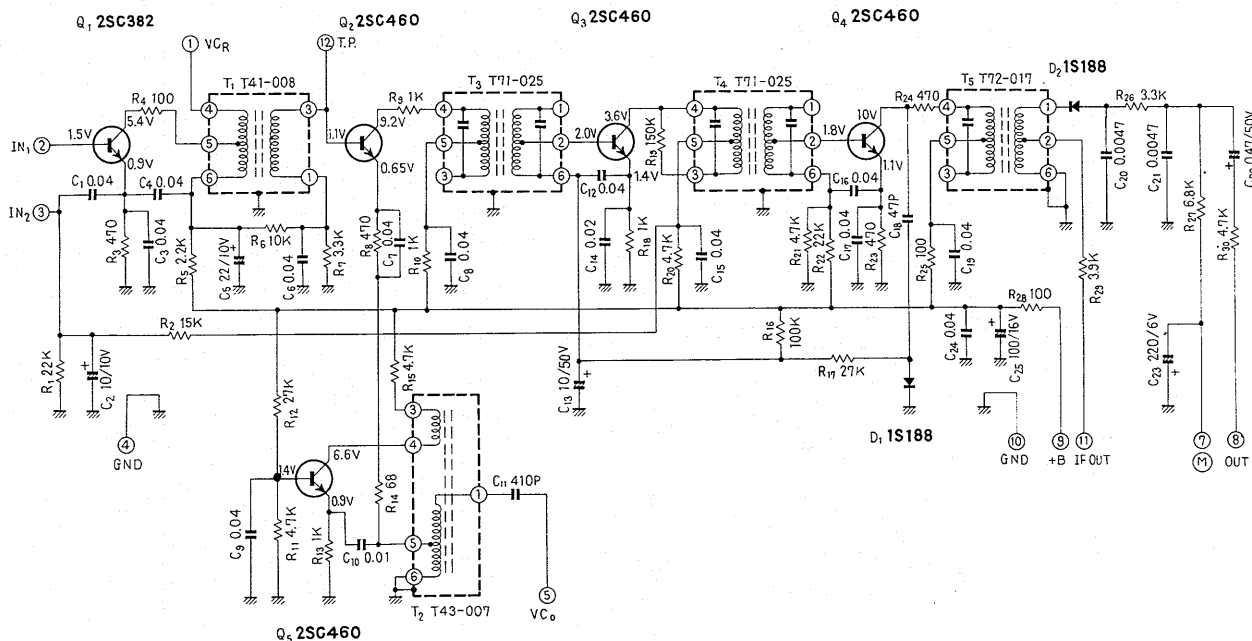
W14-008



AM TUNER UNIT for NBW model

AM TUNER UNIT

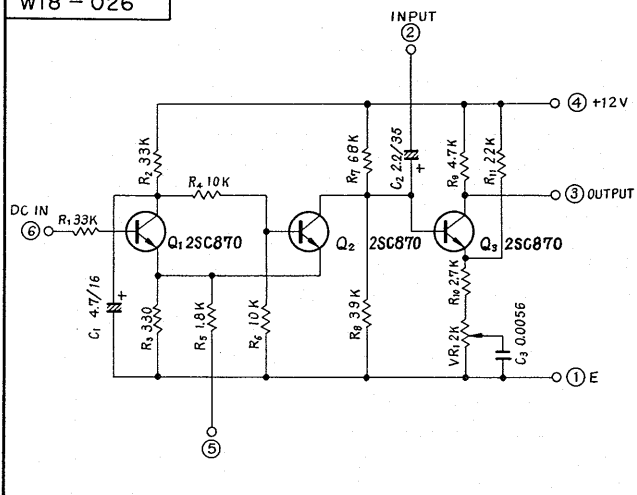
W14-015



MUTING UNIT

MUTING UNIT

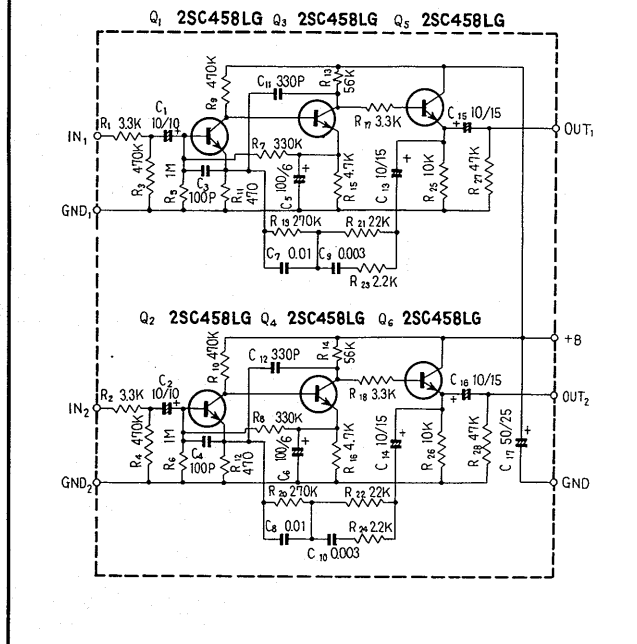
W18 - 026



HEAD AMP UNIT

HEAD AMP UNIT

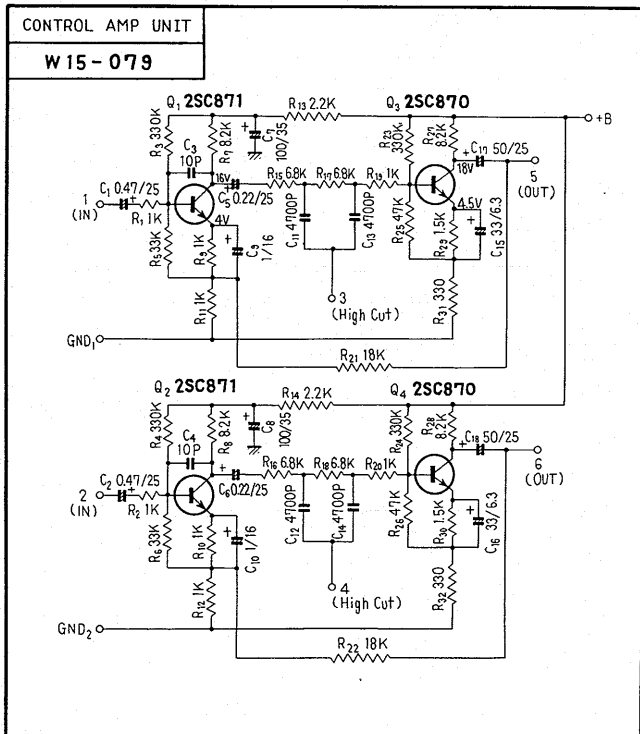
W15 - 049



CONTROL AMP UNIT

CONTROL AMP UNIT

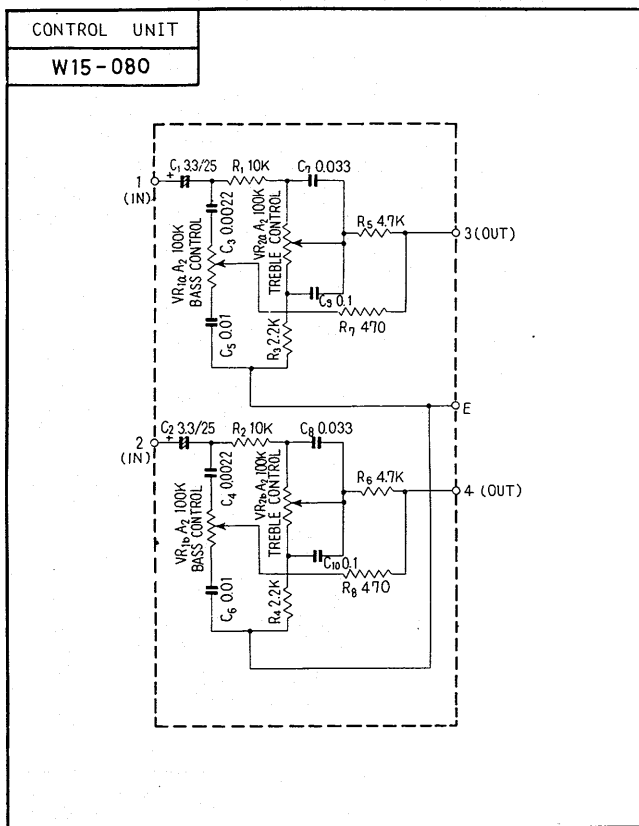
W 15 - 079



CONTROL UNIT

CONTROL UNIT

W15-080



[illegible]

MAIN AMP UNIT

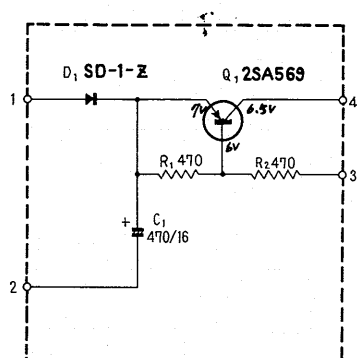
W23-006

The diagram illustrates a dual-channel audio amplifier circuit, Model W23-006. It features two identical channels, one for input IN1 and one for input IN2. Each channel begins with an input stage (Q1, 2SC732) and a phase inverter (Q2, 2SC497). The signal then passes through a push-pull output stage (Q3, 2SC497 and Q4, 2SC793) and a final output stage (Q5, 2SC793). The circuit includes various resistors (R1-R11, R14-R18), capacitors (C1-C6, C8-C11), and a 2A fuse. The output is taken from OUT1 and OUT2, with GND1 and GND2 as common grounds.

INDICATOR UNIT

INDICATOR UNIT

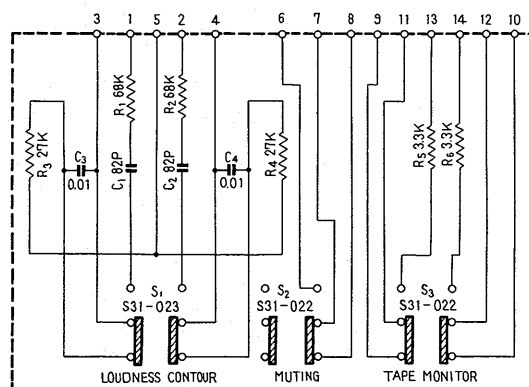
W18 - 012



PUSH SWITCH UNIT

PUSH SWITCH UNIT

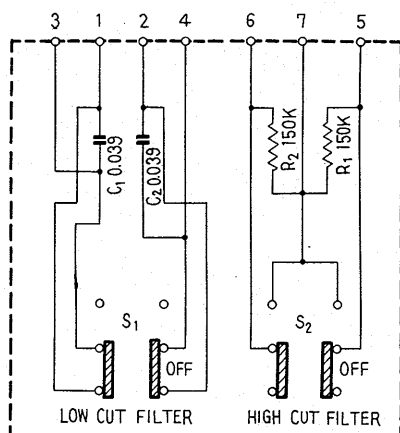
W15 - 081



PUSH SWITCH UNIT

PUSH SWITCH UNIT

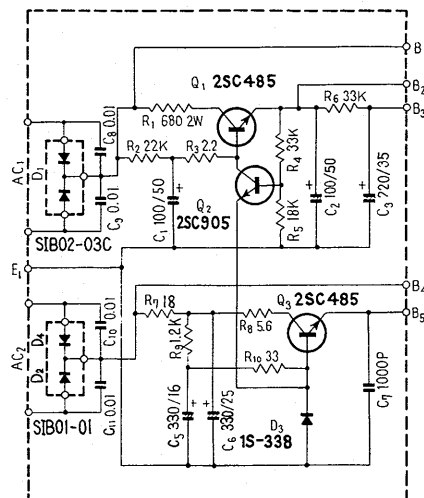
W15 - 082



POWER SUPPLY UNIT

POWER SUPPLY UNIT

W16 - 022



POWER SUPPLY UNIT for NBW model

POWER SUPPLY UNIT

W16 - 065

