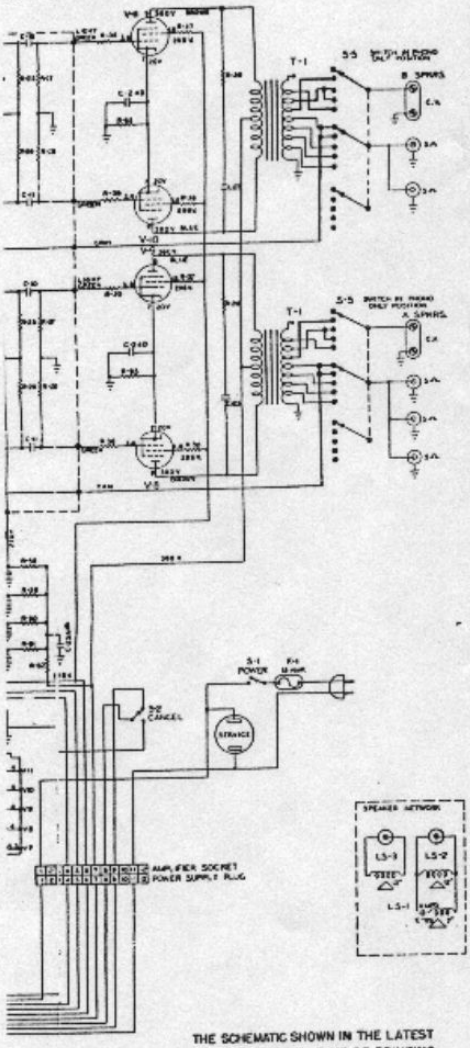
34 AMPLIFIER – STEREO



THE SCHEMATIC SHOWN IN THE LATEST
CONFORMS WITH THE TIME OF PRINTING

ITEM	PART NO.	VALUE	REMARKS
R-1	72284-32	47K	2W ±10%
R-2	72210-32	270	2W ±10%
R-3	72289-32	1 MEG	2W ±10%
R-4	72183-32	1.8 K	2W ±10%
R-5	72238-32	82 K	2W ±10%
R-6	72218-32	680	2W ±10%
R-7	72236-32	360 K	2W ±10%
R-8	72281-32	750 K	2W ±10%
R-9	72294-32	1 MEG	2W ±10%
R-10	72197-32	1 K	2W ±10%
R-11	72210-32	270	2W ±10%
R-12	72232-32	150K	2W ±10%
R-13	72294-32	1 MEG	2W ±10%
R-14	72268-32	100K	2W ±10%
R-15	72184-32	2 K	2W ±10%
R-16	72219-32	470	2W ±10%
R-17	72237-32	91K	2W ±10%
R-18	72294-32	1 MEG	2W ±10%
R-19	72290-32	82 K	2W ±10%
R-20	72197-32	1 K	2W ±10%
R-21	72268-32	100K	2W ±10%
R-22	72249-32	220K	2W ±10%
R-23	72268-32	100K	2W ±10%
R-24	72249-32	220K	2W ±10%
R-25	72268-32	100K	2W ±10%
R-26	72210-32	270	2W ±10%
R-27	72238-32	360K	2W ±10%
R-28	72234-32	470K	2W ±10%
R-29	72250-32	68K	2W ±10%
R-30	72274-32	2.7 MEG	2W ±10%
R-31	72184-32	2 K	2W ±10%
R-32	72210-32	270	2W ±10%
R-33	72273-32	2.2 K	2W ±10%
R-34	64582	500K	BASS CONTROL
R-35	72192-32	1 K	2W ±10%
R-36	72192-32	1 K	2W ±10%
R-37	72220-32	47 K	2W ±10%
R-38	72210-32	270	2W ±10%
R-39	72208-32	22 K	2W ±10%
R-40	72268-32	100K	2W ±10%
R-41	72268-32	100K	2W ±10%
R-42	72268-32	100K	2W ±10%
R-43	72268-32	100K	2W ±10%
R-44	72250-32	680 K	2W ±10%
R-45	72208-32	47 K	2W ±10%
R-46	72268-32	100 K	2W ±10%
R-47	72284-32	1 MEG	2W ±10%
R-48	72268-32	1.5 MEG	2W ±10%
RC-3601	114284	36K	LOUDNESS CONTROL
R-3601			
R-51	72284-32	470 K	2W ±10%
R-52	72282-32	1 K	2W ±10%
R-53	72240-32	120K	2W ±10%
R-54	72268-32	100 K	2W ±10%
R-55	72294-32	1 MEG	2W ±10%
R-56	72294-32	1 MEG	2W ±10%
R-57	72282-32	47 K	2W ±10%
R-58	64583	500K	BALANCE
R-59	72282-32	47 K	2W ±10%
R-60	72282-32	47 K	2W ±10%
R-61	72282-32	47 K	2W ±10%
R-62	72292-32	4700 Ω	1 WATT
R-63	72188-32	39 K	2W ±10%
R-64	72188-32	39 K	2W ±10%
R-65	72188-32	39 K	2W ±10%
R-66	72290-2	820 Ω	1 WATT
R-67	72248-32	180K	2W ±10%
R-68	72284-2	82 K	10 WATT
R-69	72287	8.2	10 WATT
R-70	72268-32	220 K	2W ±10%
R-71	72228-32	33 K	2W ±10%

ITEM	PART NO.	VALUE	REMARKS
C-1	72186-34	270 MMFD	CERAMIC
C-2	73264-31	22 MFD	25V ELECT
C-3	70148	.01	CERAMIC
C-4	73264-31	25 MFD	25 V. ELECT
C-5	71247-18	1 MFD	200 VOLT
C-6	71317-16	.001 MFD	CERAMIC
C-7	71324-44	.002 MFD	CERAMIC
C-8	71317-14	.01 MFD	400 VOLT
C-9	72231-340	470 MMFD	CERAMIC
C-10	71324-4	.047 MFD	400 VOLT
C-11	71324-4	.047 MFD	400 VOLT
C-12	71324-14	.047 MFD	400 VOLT
C-13A	73262-31	25 MFD	25 V. ELECT
C-13B	73262-31	25 MFD	25 V. ELECT
C-14	70148	.01 MFD	CERAMIC
C-15	71247-14	1 MFD	200 VOLT
C-16	72231-340	470 MMFD	CERAMIC
C-17	71317-16	.001 MFD	CERAMIC
C-18	71317-10	.02 MFD	200 VOLT
C-19	71320-11	.05 MFD	200 VOLT
C-20	71317-11	.05 MFD	200 VOLT
C-21	71317-14	.01 MFD	CERAMIC
C-22	71317-14	.01 MFD	CERAMIC
C-23	73002-46	.0002 MFD	1600 VOLT
C-24A	73475	20 MFD	300 V. ELECT
C-24B		20 MFD	300 V. ELECT
C-24C		20 MFD	400 V. ELECT
C-25A	73475	20 MFD	300 V. ELECT
C-25B		20 MFD	300 V. ELECT
C-25C		20 MFD	400 V. ELECT
C-26A	73475	20 MFD	300 V. ELECT
C-26B		20 MFD	300 V. ELECT
C-26C		20 MFD	400 V. ELECT
C-27	71183-14	.1 MFD	400 VOLT
C-28		.1 MFD	25 V. NON PEDESTAL
C-29	71648-84	.0047 MFD	CERAMIC
C-30	71830-84	.0047 MFD	CERAMIC
S-1			POWER SW.
S-2			CANCEL SW.
S-3			TAPE REC. SW.
S-4	84803	4 POS.	SWITCHING
S-5	84804	4 POS.	SWITCHING
S-6			TAPE SW.
T-1	114233		OUTPUT TRANS.
T-2	114228		POWER TRANS.
T-3	114229		INPUT BOX TRANS.
T-4	114284	3.5 OHM	7 IN. SPEAKER
T-5	114284	3.5 OHM	12 IN. SPEAKER
T-6	114284	3.5 OHM	12 IN. SPEAKER
F-1	52198	15 AMP	250V FUSE
F-2	52196	8 AMP	1/8
F-3	52195	4 AMP	1/8 3AG SLOW
F-4	52323	2 AMP	1/8 3AG SLOW
RC	112231		TUBE TONE
RS	84809	24 V	REL. RECT
RY-1	50321	24 V.	DC RELAY

A.C. SIGNAL CHART

USE BALLANTINE AC-VTVM OR HEATHKIT VOLTMETER AV-2
APPLY 0 MILLIVOLT AT 1000 CPS SIGNAL TO INPUT JACKS A & B
VOLUME CONTROL, BASS & TREBLE CONTROLS FULL CLOCKWISE
BALANCE CONTROL SET IN MIDDLE. USE 5Ω 20 W RESISTOR AS
OUTPUT LOAD FOR EACH CHANNEL.

TUBE		FUNCTION	PIN NO. 1	2	3	4	5	6	7	8	9
V1	7025	VA-CF	.35	.004					.07	.1	
V2	7025	VA-CF		.07	.1			.35	.004		
V3,V4	12AU7	R-VA	.07					.45	.04	.01	
V5,V6	12AX7	B	2.0	.18	.19			2.3	.045		
V7	12AX7	VA-RECT	2					2	.035	.09	
V8,V9 V10,V11	6973	POWER AMP	.07		2.1			2.1		.07	.48
V12	SURGE	RECT				350*		350*			

A.C. VOLTAGES MEASURED FROM GROUND
LINE VOLTAGE 117V
* MEASURED WITH VTVM

. . . . . MODEL 2300S SOUND SYSTEM

114512 – 7

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