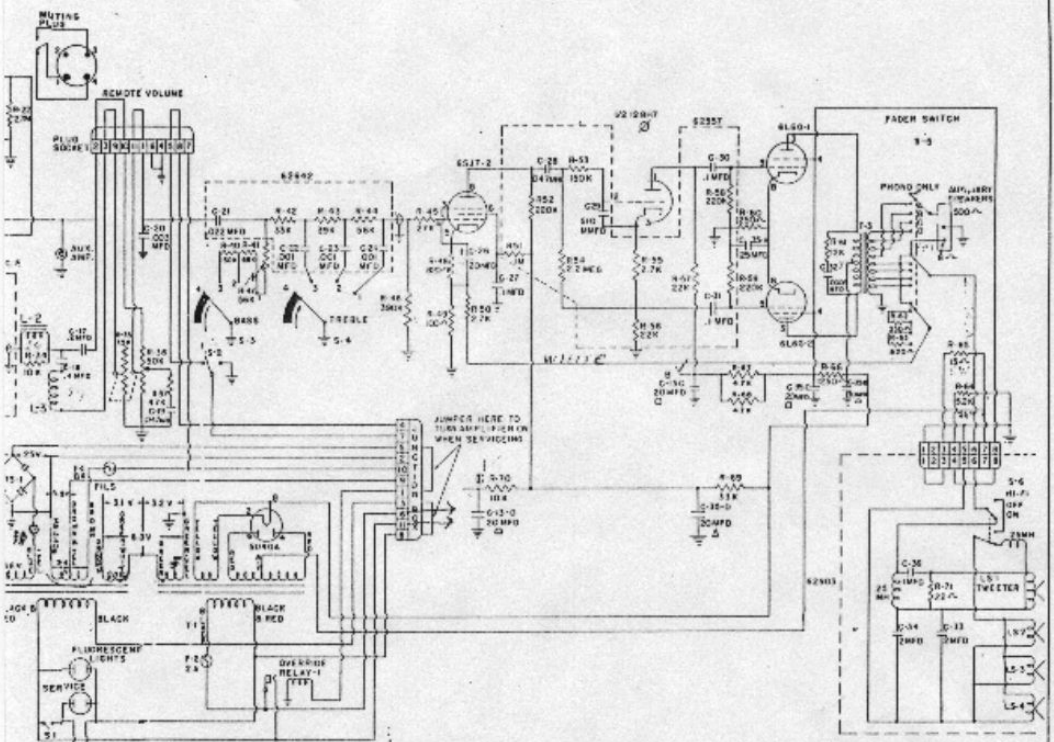
ING DIAGRAM–528 HF AMPLIFIER



THE SCHEMATIC IS SHOWN IN THE LATEST CONDITION AT THE TIME OF PRINTING.

ITEM	PART NO.	VALUE	REMARKS
	62559		TERMINAL BD. ASSEM
	62558		TERMINAL BD. ASSEM
	62557		TERMINAL BD. ASSEM

VOLTAGE READING AT 117 V.A.C.

PIN ON TUBE SOCKET									
TUBE	1	2	3	4	5	6	7	8	9
5U4G		405V		380V		380V		405V	
6L6G-1	NC	6.3	405V	304V	—	N.C.	GND	235V	
6L6G-2	NC	6.3	405V	304V	—	N.C.	GND	235V	
½ 12BH7-B	144V	—	625V	BIAS	1½	VOLTS			
6SJ7-2	GND	6.3	1.2V	—	1.2V	30V	GND	104V	
½ 12BH7-A	145.8V			63V	63V	265V	—	84V	GND
½ 12BH7-A	100V	—	6V	GND	GND				63V
½ 12BH7-B						250V		27V	
6SJ7-1	GND	GND	1.2V		1.2V	52V	63V	40V	
6J5	GND	6.3	45V	—	4V	—	GND	GND	
12AX7	150	—	2	GND	GND				6.3

ITEM	PART NO.	VALUE	REMARKS
	12" FM SPEAKER-L.R		
	12" FM SPEAKER-L.R		
	12" FM SPEAKER-L.R		
	8 WAT. POWER TRANS		
	JUNC. POWER TRANS		
	OUTPUT TRANS.		
AMP.	FUSE		
AMP.	SLO BLOW FUSE		
AMP.	SLO BLOW FUSE		

ITEM	PART NO.	VALUE	REMARKS
P-4	13845	5 AMP	FUSE
S-1	53648		LINE SWITCH
S-2	59233		CANCEL SWITCH
S-3	62508		BASS
S-4	62508		TREBLE
S-5	62507		FADER SWITCH
S-6	42886		HI-FI ON OFF
	44563		TERMINAL BD. ASSEM.
	42642		TERMINAL BD. ASSEM.

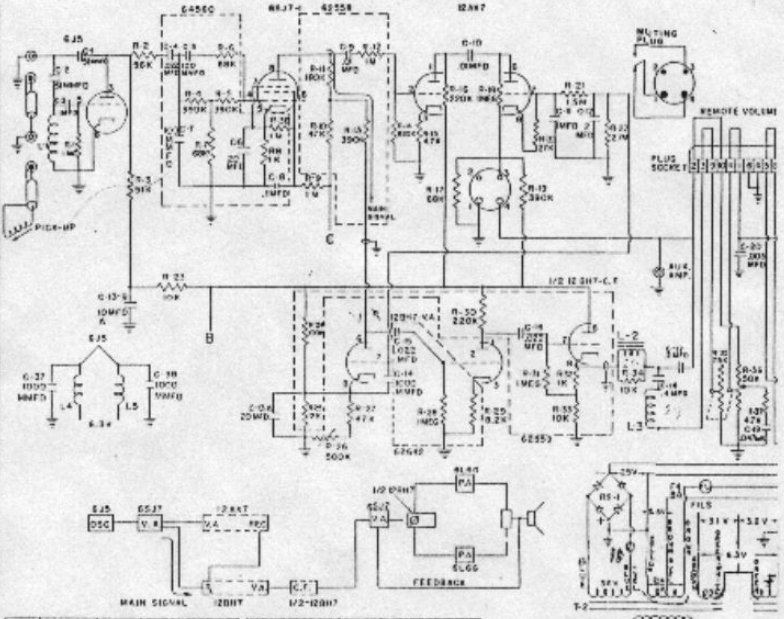
SYMBOLS AND NOTES

B - PHASE INVERTER
C.F. - CATHODE FOLLOWER
V.A. - VOLTAGE AMPLIFIER
X - VARIABLE RESISTANCE TUBE
* - INPUT REMOVED. WITH PICK-UP IN AND CIRCUIT OSCILLATING 80V. AT JUNCTION RP-C4
** - INPUT REMOVED. WITH PICK-UP IN AND CIRCUIT OSCILLATING, 4.5V USING VTVM

ISS. 2 PART NO. S62907

SCHEMATIC WIRING DIAGRAM

ITEM	PART NO.	VALUE	REMARKS
R-1	72264-32	1MEG	±10% 1/2 WATT
R-2	72234-32	56K	±10% 1/2 WATT
R-3	72277-31	5K	±5% 1 WATT
R-4	72254-32	390K	±10% 1/2 WATT
R-5	72254-32	390K	±10% 1/2 WATT
R-6	72236-32	68K	±10% 1/2 WATT
R-7	72236-32	68K	±10% 1/2 WATT
R-8	72192-32	1K	±10% 1/2 WATT
R-9	72264-32	1MEG	±10% 1/2 WATT
R-10	72232-31	47K	±5% 1/2 WATT
R-11	72246-31	180K	±5% 1/2 WATT
R-12	72264-32	1MEG	±10% 1/2 WATT
R-13	72254-31	390K	±5% 1/2 WATT
R-14	72262-32	820K	±10% 1/2 WATT
R-15	72208-32	4.7K	±10% 1/2 WATT
R-16	72218-32	22K	±10% 1/2 WATT
R-17	72236-32	68K	±10% 1/2 WATT
R-18	72254-32	1MEG	±10% 1/2 WATT
R-19	72254-32	390K	±10% 1/2 WATT
R-20	72226-32	27K	±10% 1/2 WATT
R-21	72268-31	1.5MEG	±5% 1/2 WATT
R-22	72274-31	2.7MEG	±5% 1/2 WATT
R-23	72216-32	10K	±10% 1/2 WATT
R-24	72284-31	100K	±5% 1 WATT
R-25	72218-31	12K	±5% 1/2 WATT
R-26	55544	500K	SIMS CONTROL
R-27	72232-32	47K	±10% 1/2 WATT
R-28	72264-32	1MEG	±10% 1/2 WATT
R-29	72214-32	8.2K	±10% 1/2 WATT
R-30	72248-32	270K	±10% 1/2 WATT
R-31	72264-32	1MEG	±10% 1/2 WATT
R-32	72192-32	1K	±10% 1/2 WATT
R-33	72216-32	10K	±10% 1/2 WATT
R-34	72216-32	10K	±10% 1/2 WATT
R-35	55186	75K	VOLUME CONTROL
R-36	55186	50K	VOLUME CONTROL
R-37	72208-32	4.7K	±10% 1/2 WATT
R-38	72264-32	1MEG	±10% 1/2 WATT
R-40	72244-32	150K	±10% 1/2 WATT
R-41	72236-32	68K	±10% 1/2 WATT
R-42	72224-32	33K	±10% 1/2 WATT
R-43	72230-32	39K	±10% 1/2 WATT
R-44	72234-32	56K	±10% 1/2 WATT
R-45	72228-32	27K	±10% 1/2 WATT
R-46	72254-32	390K	±10% 1/2 WATT
R-47	72234-32	56K	±10% 1/2 WATT
R-48	72150-32	820Ω	±10% 1/2 WATT
R-49	72188-31	100Ω	±5% 1/2 WATT
R-50	72202-31	2.7K	±5% 1/2 WATT
R-51	72264-32	1MEG	±10% 1/2 WATT
R-52	72248-32	220K	±10% 1/2 WATT
R-53	72244-32	150K	±10% 1/2 WATT
R-54	72212-32	2.7MEG	±10% 1/2 WATT
R-55	72202-32	2.7K	±10% 1/2 WATT
R-56	72224-32	33K	±10% 1/2 WATT
R-57	72224-32	33K	±10% 1/2 WATT
R-58	72248-32	220K	±10% 1/2 WATT
R-59	72248-32	220K	±10% 1/2 WATT
R-60	72395-2	250Ω	±10% 5 WATT
R-61	72352-32	2K	±10% 1 WATT
R-62	72190-31	110Ω	±5% 1/2 WATT
R-63	72190-32	820Ω	±10% 1/2 WATT
R-64	71865	5.2K	±10% 20 WATT
R-65	71842-2	15Ω	±10% 5 WATT
R-66	71840-2	250Ω	±10% 20 WATT
R-67	72352-32	4.7K	±10% 1 WATT
R-68	72359-32	4.7K	±10% 1 WATT
R-69	72372-32	33K	±10% 1 WATT
R-70	72216-32	10K	±10% 1/2 WATT
R-71	72296-32	22K	±10% 1 WATT



ITEM	PART NO.	VALUE	REMARKS
C-1	70527-265	5 MMFD	CERAMIC
C-2	70527-265	5 MMFD	CERAMIC
C-3	73053-240	.1 MFD	±10% 400 W.V.
C-4	71766-44	.022 MFD	±20% 400 W.V.
C-5	70534-130	1000 MMFD	CERAMIC
C-6	73288-110	20 MFD	25 W.V.
C-7	70684-150	1000 MMFD	CERAMIC
C-8	71774-44	.1 MFD	±20% 400 W.V.
C-9	71762-44	.01 MFD	±20% 400 W.V.
C-10	71782-44	.01 MFD	±20% 400 W.V.
C-11	70684-190	1 MFD	±10% 200 W.V.
C-12	70837-650	2 MFD	50 W.V.
C-13A	73474	20 MFD	ELECTROLYTIC
C-13B	73474	10 MFD	ELECTROLYTIC
C-13C	73474	20 MFD	ELECTROLYTIC
C-13D	73474	20 MFD	ELECTROLYTIC
C-14	70559-240	1000 MMFD	CERAMIC
C-15	71766-44	.022 MFD	±20% 400 W.V.
C-16	71766-44	.022 MFD	±20% 400 W.V.
C-17	73095-220	.2 MFD	±10% 200 W.V.
C-18	73058-240	.4 MFD	±10% 100 W.V.
C-19	71770-24	.047 MFD	±10% 400 W.V.
C-20	73008-21	.003 MFD	±10% 100 W.V.
C-21	71766-44	.022 MFD	±20% 400 W.V.
C-22	71750-44	.001 MFD	±20% 400 W.V.
C-23	71750-44	.001 MFD	±20% 400 W.V.
C-24	71750-44	.001 MFD	±20% 400 W.V.

ITEM	PART NO.	VALUE	REMARKS
C-26	73243-110	20 MFD	25 W.V.
C-27	70626-290	.1 MFD	±10% 400 W.V.
C-28	71766-44	.047 MFD	±20% 400 W.V.
C-29	70552-240	500 MMFD	CERAMIC
C-30	71774-44	.1 MFD	±20% 400 W.V.
C-31	71774-44	.1 MFD	±20% 400 W.V.
C-32	73002-40	.0005 MFD	±20% 1500 W.V.
C-33	70637-650	2 MFD	50 W.V.
C-34	70637-650	2 MFD	50 W.V.
C-35A	73475	25 MFD	ELECTROLYTIC
C-35B	73475	50 MFD	ELECTROLYTIC
C-35C	73475	20 MFD	ELECTROLYTIC
C-35D	73475	20 MFD	ELECTROLYTIC
C-36	70639-650	1 MFD	50 W.V.
C-37	70559-240	1000 MMFD	CERAMIC
C-38	70559-240	1000 MMFD	CERAMIC

ITEM	PART NO.	VALUE	REMARKS
RSL-1	58321		RELAY
L-1	49836		OSCILLATOR COIL
L-2	62508	28H	COIL
L-3	62519	28H	COIL
L-4	62342	—	CHOKE
L-5	62342	—	CHOKE

	53789		LINE CORD
RS-1	55186		RECTIFIER (OPT.)
RS-1	55839		RECTIFIER (OPT.)
LS-1	62351		TWEETER

ITEM	PART NO.	VALUE	REMARKS
LS-2	62431		12" FM SPEAKER-H.R.
LS-3	62432		12" FM SPEAKER-L.R.
LS-4	62492		12" FM SPEAKER-H.R.
T-1	62428		AMP POWER TRANS.
T-2	62429		JUNC. POWER TRANS.
T-3	62430		OUTPUT TRANS.
F-1	53196	15 AMP.	FUSE
F-2	56325	2 AMP.	SLO BLOW FUSE
F-3	56325	2 AMP.	SLO BLOW FUSE

ITEM	PART
T-4	136
S-1	555
S-2	552
S-3	625
S-4	625
S-5	625
T-5	428
	545
	625

The Rudolph Wurlitzer Co., North Tonawanda, N.Y.