

PHILCO

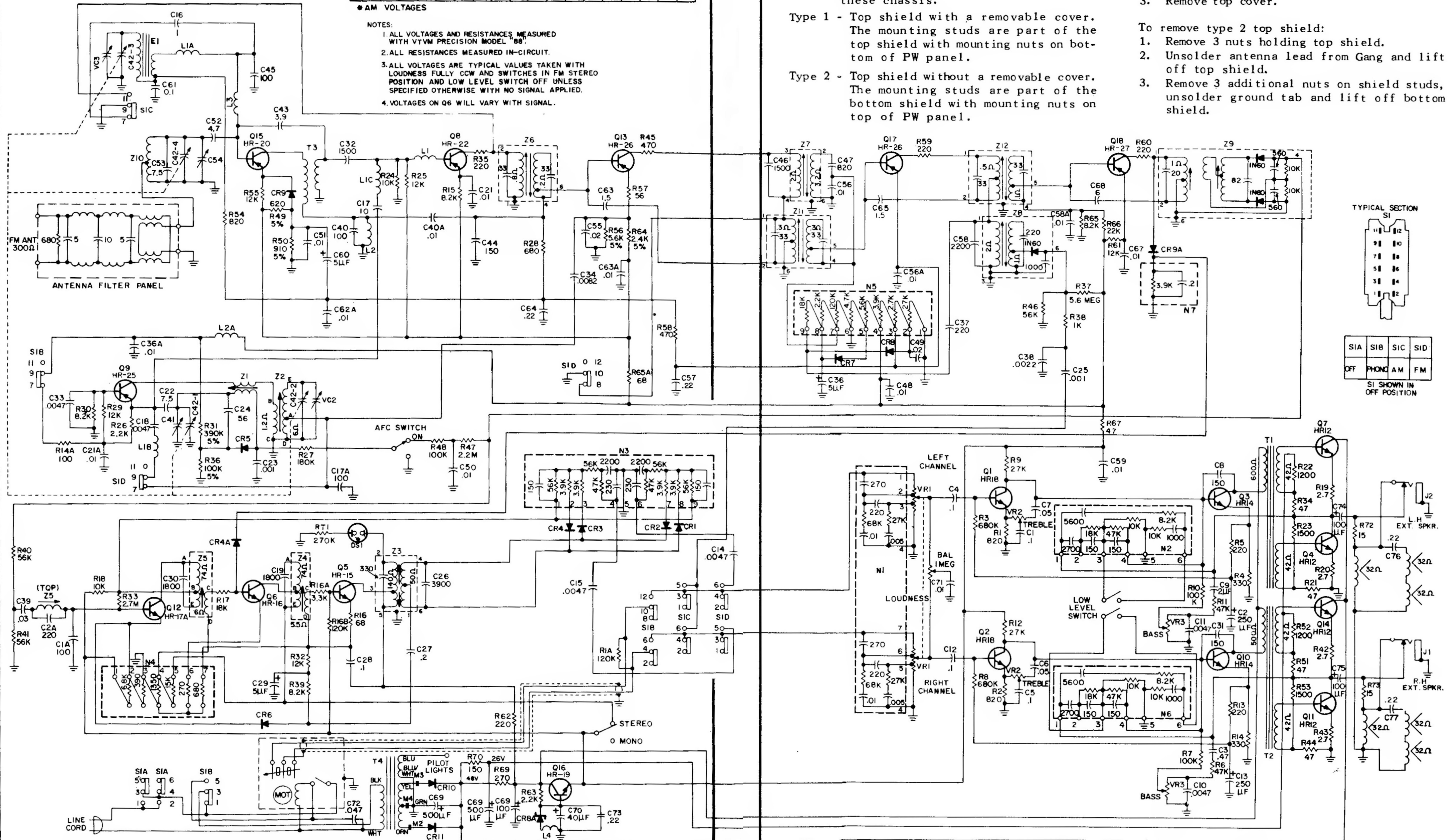
**P25ST-CODE 124 TUNER-AMPLIFIER CHASSIS - MODELS
PI710, PI719, PI722,
PI735 & PI737**

	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18
E	.5	.5	2.3	.1	.3	0	24.5	8.7	8.2	2.3	.1	1.5	10.3	24.5	10.8	20.5	10.3	5.6
B	1	1	2.8	.7	.9	.4	25	8.4	8.1	2.8	.7	2.1	10.6	25	10.4	21	10	5.3
C	2.8	2.8	28	24	32	20	48	.2	0	28	24	12	.3	48	0	32.5	.4	.2

*AM VOLTAGES

NOTES:

1. ALL VOLTAGES AND RESISTANCES MEASURED WITH VTVM PRECISION MODEL "88".
2. ALL RESISTANCES MEASURED IN-CIRCUIT.
3. ALL VOLTAGES ARE TYPICAL VALUES TAKEN WITH LOUDNESS FULLY CCW AND SWITCHES IN FM STEREO POSITION AND LOW LEVEL SWITCH OFF UNLESS SPECIFIED OTHERWISE WITH NO SIGNAL APPLIED.
4. VOLTAGES ON Q6 WILL VARY WITH SIGNAL.



Schematic Diagram P25ST Code 124 Chassis

ALL TRANSISTOR TUNER/AMPLIFIERS

RF SHIELD REMOVAL: (RF Tuning Section) Top & Bottom

NOTE: Two types of RF shields were used on these chassis.

Type 1 - Top shield with a removable cover.
The mounting studs are part of the top shield with mounting nuts on bottom of PW panel.

Type 2 - Top shield without a removable cover.
The mounting studs are part of the bottom shield with mounting nuts on top of PW panel.

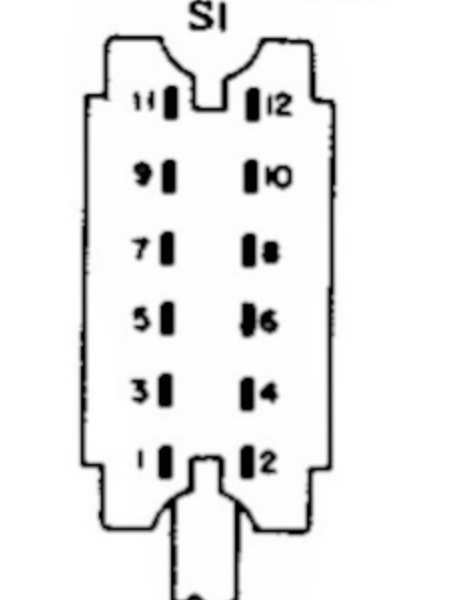
To remove type 1 top shield:

1. Remove 3 nuts holding bottom shield.
2. Unsolder ground tab and remove bottom shield.
3. Remove top cover.

To remove type 2 top shield:

1. Remove 3 nuts holding top shield.
2. Unsolder antenna lead from Gang and lift off top shield.
3. Remove 3 additional nuts on shield studs, unsolder ground tab and lift off bottom shield.

TYPICAL SECTION



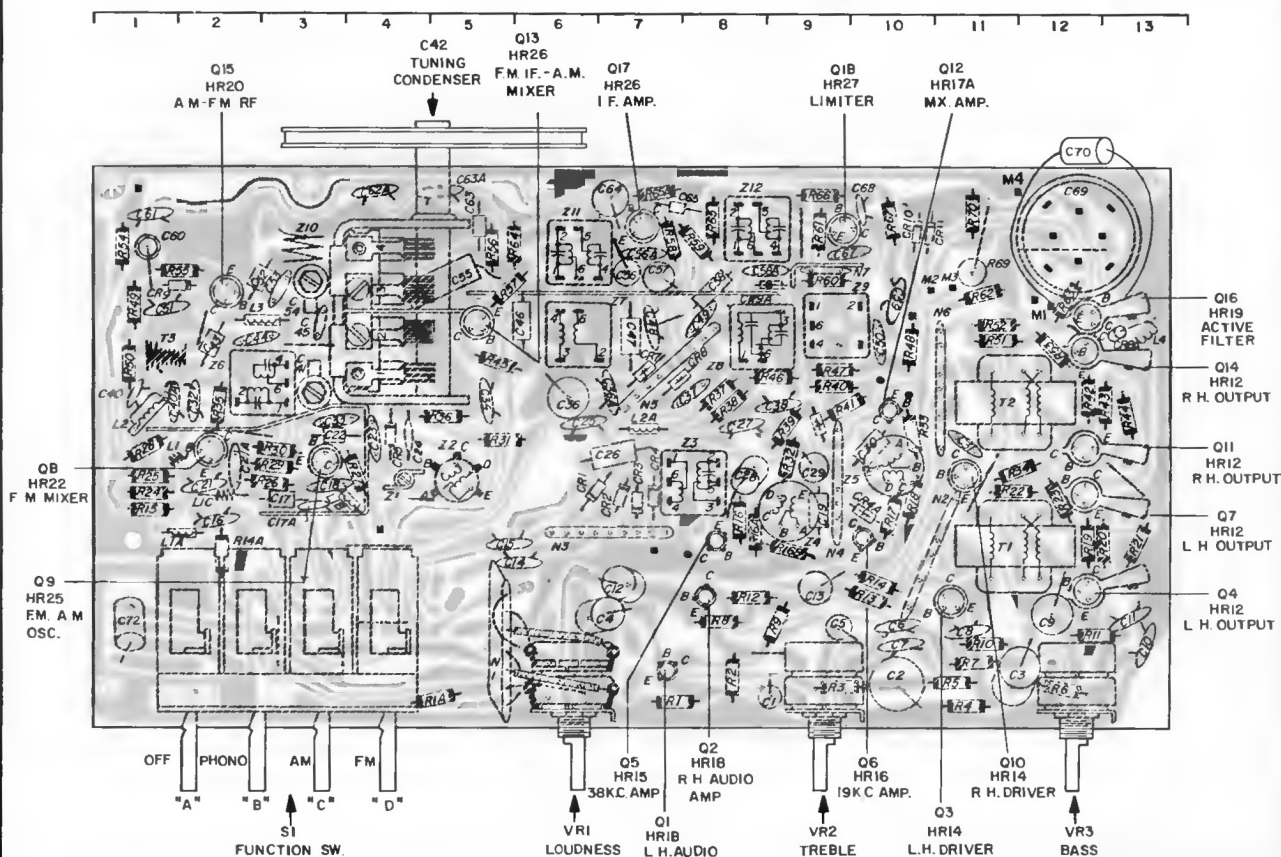
S1A	S1B	S1C	S1D
OFF	PHONO	AM	FM

S1 SHOWN IN OFF POSITION

USE ONLY RECOMMENDED PHILCO EXTERNAL SPEAKERS, OTHERWISE EQUIPMENT DAMAGE MAY RESULT.

PHILCO P25ST - CODE 124 CHASSIS ELECTRICAL PARTS

SYM-BOL	LOCATION	DESCRIPTION	SERVICE PART NO.	SYM-BOL	LOCATION	DESCRIPTION	SERVICE PART NO.
CAPACITORS							
C1	G8	.1 mf, treble cont.	30-4706-13	C31	D11	150 pf, driver C to B	30-1294-31
C1A		100 pf, 67KC filter	30-1293-32	C32	D2	1500 pf, FM mix. coup.	30-1294-30
C2	G10	elec., 250 mf, 6V, driver emit.	30-2611-10	C33	D3	4700 pf, osc. base	30-1294-13
C2A		220 pf, 67KC filter	30-1294-19	C34	D5	.0082 mf, AM osc. inj.	30-1294-32
C3	G11	.1 mfd, bass cont.	30-4695-30	C36	D6	elec., 5 mf, 15V, AVC	30-2610-1
C4	F7	.1 mf, 1st audio	30-4695-30	C36A	C7	.01 mf, B ⁺ bypass	30-1294-6
C5	F9	.1 mf, treble cont.	30-4706-13	C37	D7	220 pf, AVC coup.	30-1293-34
C6	F10	.05 mf, treble cont.	30-1272-23	C38		2200 pf, AM bypass	30-1294-29
C7	G10	.05 mf, treble cont.	30-1272-23	C39	C10	.03 mf, mx. input	30-1272-5
C8	F8	150 pf, driver C to B	30-1294-31	C40	C1	100 pf, AM R-F coil	30-1293-32
C9	F12	2 mfd, bass cont.	30-2612-2	C40A	D2	.01 mf, AM mix. coup.	30-1294-6
C10	G13	.0047 mf, bass cont.	30-1294-28	C41	C3	trimmer 3 to 12.5 pf FM osc.	31-6520-37
C11	F13	.0047 mf, bass cont.	30-1294-28	C42	A5	tuning AM-FM	31-2795-1
C12	F7	.1 mf, 1st audio	30-4695-30	C43	C2	3.9 pf, AM-FM R-F neut.	30-1221-14
C13	F9	elec., 250 mf, 6V, driver emit.	30-2611-10	C44	C3	150 pf, FM I-F-AM R-F bypass	30-1293-22
C14	E5	4700 pf, mx. out.	30-1294-28	C45	C3	100 pf, AM ant.	30-1293-32
C15	E5	4700 pf, mx. out.	30-1294-28	C46	C5	1500 pf, 1st AM I-F	30-4707-7
C16	E2	.1 mf, AM ant.	30-4706-13	C47	C7	820 pf, 1st AM I-F	30-4707-6
C17	E3	10 pf, FM osc. inj.	30-1221-23	C48	C7	.01 mf, B ⁺ bypass	30-1294-6
C17A	E3	100 pf, AM osc.	30-1293-32	C49	C8	.02 mf, AVC	30-1294-27
C18	E3	4700 pf, AM osc. FB	30-1294-28	C50	C10	.01 mf, AFC bypass	30-1294-6
C19	E9	1800 pf, 19KC transf.	30-4707-15	C51	B2	.01 mf, AM-FM R-F	30-1294-6
C21	E2	.01 mf, FM mix.	30-1294-6	C52	B3	4.7 pf, AM ant. coup.	30-1221-13
C21A	D2	.01 mf, B ⁺ bypass	30-1294-6	C53	B3	7.5 pf, FM ant. pad.	30-1293-31
C22	D3	7.5 pf, FM osc. FB	30-1221-24	C54	B3	trimmer, 1 to 5 pf, FM ant.	31-6520-36
C23	D4	.001 mf, FM osc. ret.	30-1294-20	C55	B5	.02 mf, FM I-F-AM mix.	30-4706-32
C24	D4	56 pf, AFC	30-1287-5	C56	B7	.01 mf, 1st AM I-F	30-4706-22
C25	D6	.001 AM out.	30-1294-20	C56A	B7	.01 mf, I-F emit.	30-1294-6
C26	D7	3900 pf, 38KC transf.	30-4707-17	C57	B7	.22 mf, AVC	30-4706-29
C27	D8	.2 mf, mx. amp.	30-4704-3	C58	B8	2200 pf, 2nd AM I-F	30-4707-16
C28	D8	.1 mf, mx.	30-4706-13	C58A	B8	.01 mf, lim. bypass	30-1294-6
C29	D9	elec., 5 mf, 25V, 38KC emit.	30-2610-2	C59	B10	.01 mf, B ⁺ bypass	30-1294-6
C30	D10	1800 pf, mx. amp. transf.	30-4707-15	C60	B1	elec., 5 mf, 15V, overload	30-2610-1



Bottom View - Top Components Location