

PHILCO

TUBE MANUAL

SOCKET LAYOUTS
of ALL PHILCO SETS
• TUBE CHARACTER-
ISTICS • SCHEMATICS
• BASE LAYOUTS •
DIMENSIONS

RADIO MANUFACTURERS SERVICE



PHILCO TUBE MANUAL

SOCKET LAYOUTS FOR
ALL PHILCO HOME
AND AUTO RADIOS

•
COMPLETE CHARACTER-
ISTICS • SCHEMATICS •
BASE LAYOUTS • BULB
SIZES AND STYLES



PHILCO PARTS AND SERVICE DIVISION

PHILCO RADIO TUBES

SOCKET LAYOUTS—SCHEMATICS CHARACTERISTICS—DIMENSIONS

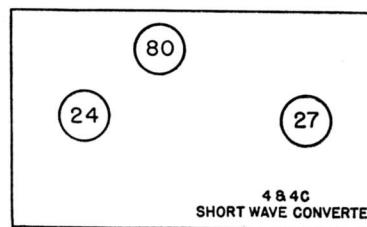
CONTENTS

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(Numerically by Models)
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44-52 Characteristic Tables,
Bulb Sizes and Types
54-57 Base Views and Schematics
58-59 Tables of Bases and Types
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Philcos

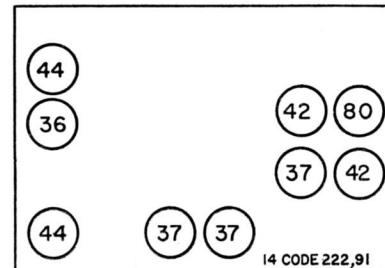
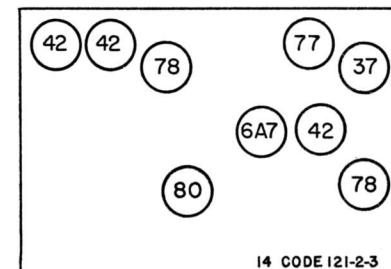
CROSS-REFERENCE MODEL-LOCATING TABLE

HOME RADIO MODELS		AUTO RADIO MODELS	
MODEL	SEE MODEL	MODEL	SEE MODEL
22	71	12 (Code 121)	8
23	14 (Code 221)	12 (Code 122)	9
24	51	700	11
25	43	809	806
26	19	826	817
27	19	827	817
45	29	B-6	6
66	60	C	10
89 (Code 121-2)	19	CT11	816
91	14 (Code 221)	DPV	10
118	18	E	10
144	44	F1440, F1442	C1450
211	111	G1418	817
212	112	G1436	C1450
220	20	H	800
270	70	J	11
370	70	LT14X3	FT9
996	96	NT12X	FT9
470	4, 70	NT19X2	FT9
490	4, 90	NT15	816
500 (121)	16 (122)	N1418	817
501 (121)	16 (122)	N1433H	C1450
500 (122)	16 (126)	N1434	C1450
501 (122)	16 (126)	PA	9
503	18	PB	6
504	44	PHXD	800
505	60	PT14	FT9
506	44	P1417	817
507	18	P1421	L1424
509	201	P1426	L1424
551	51	P1430	C1450
625	620	Q	11
630	620	R	11
635	620	ST12	FT9
665	.660	ST15	816
37-84 (Code 121)	84	S1431	C1450
38-15	38-12	S1437	C1450
Other 38 Models Not Listed—See Corresponding "37" Models		T5	T2
		T7, T8	806

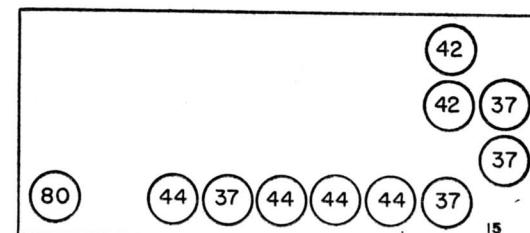
SOCKET LAYOUTS..... PHILCO MODELS 4—15



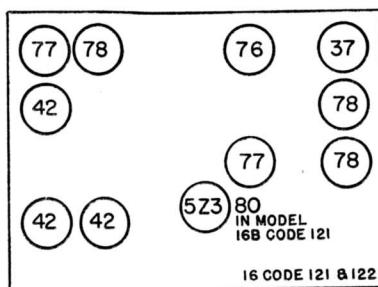
← MODEL 4
(Short Wave
Converter)



← MODEL 14
Code 221
Code 222
← MODEL 91
← MODEL 23

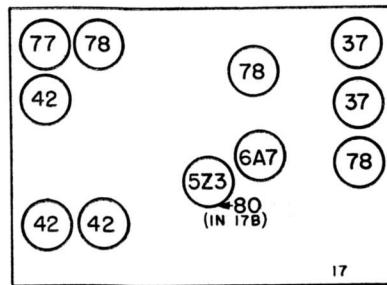
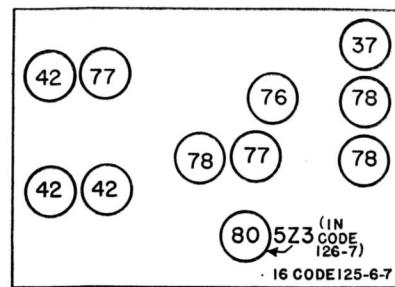


SOCKET LAYOUTS..... PHILCO MODELS 16—18



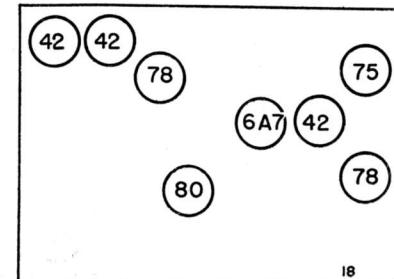
← MODEL 16
Code 121
Code 122
Code 123
← MODELS 500 & 501
Code 121

MODEL 16 →
Code 125
Code 126
Code 127
MODELS 500 & 501 →
Code 122

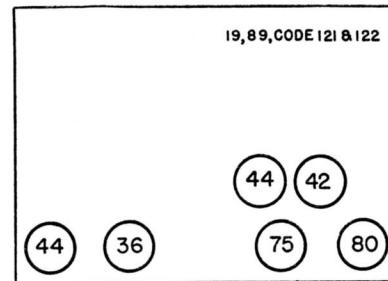


← MODEL 17

MODEL 18 →
MODEL 118 →
MODEL 503 →
MODEL 507 →

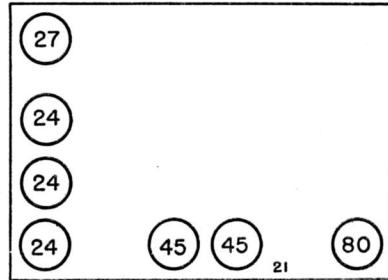
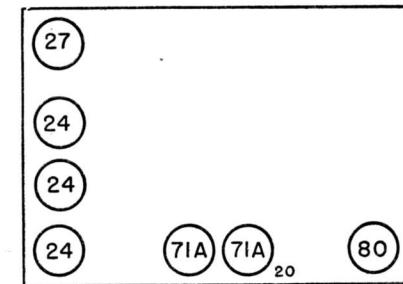


SOCKET LAYOUTS..... PHILCO MODELS 19—28



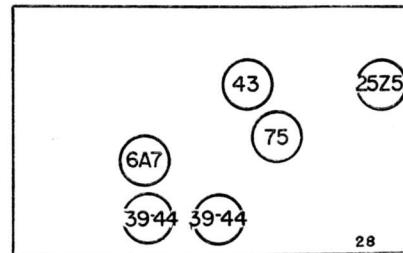
← MODEL 19
← MODEL 89
Code 121
Code 122
← MODEL 26
← MODEL 27

MODEL 20 →
MODEL 220 →



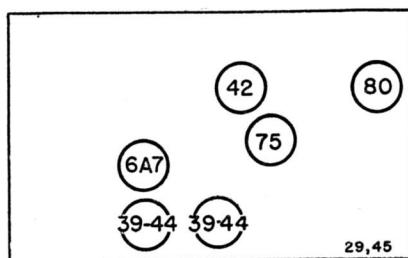
← MODEL 21

MODEL 28 →

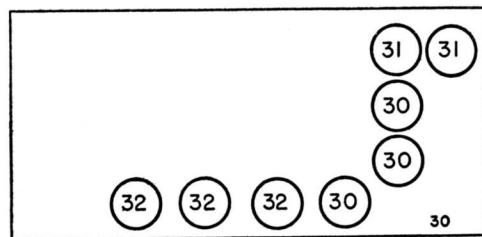


SOCKET LAYOUTS.....

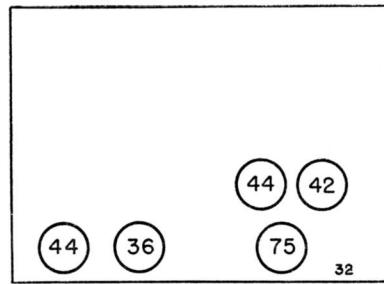
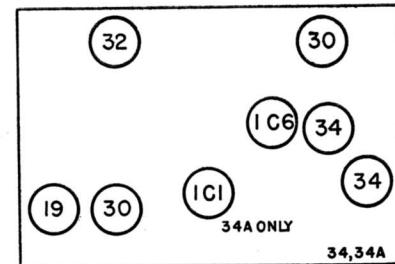
PHILCO MODELS 29—34



MODEL 30 →

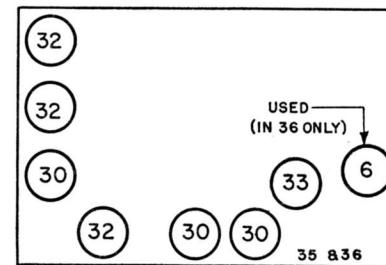


← MODEL 32

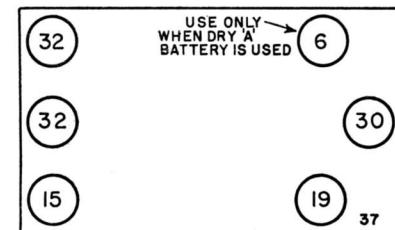
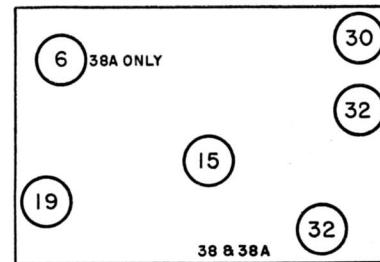
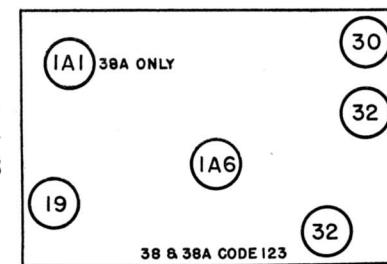
MODEL 34 →
MODEL 34A →

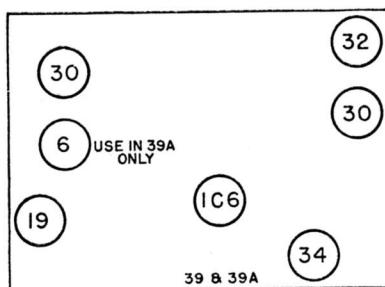
SOCKET LAYOUTS.....

PHILCO MODELS 35—38A

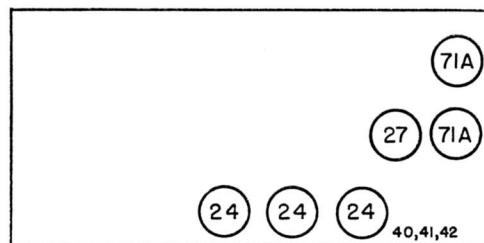
← MODEL 35
← MODEL 36

MODEL 37 →

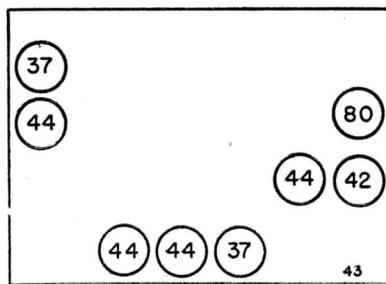
← MODEL 38
← MODEL 38AMODEL 38 →
MODEL 38A →
both Code 123



← MODEL 39
← MODEL 39A

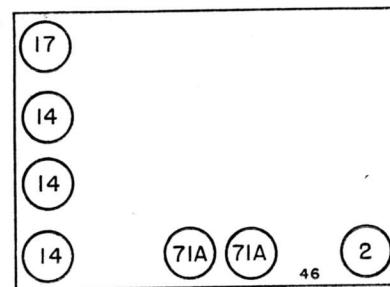
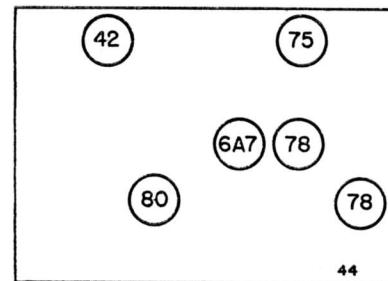


MODEL 40 →
MODEL 41 →
MODEL 42 →

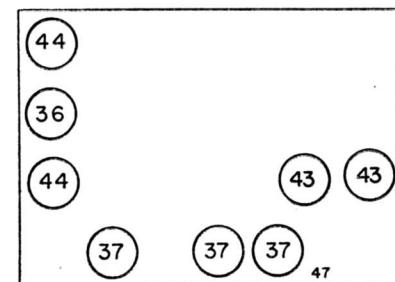


← MODEL 43
← MODEL 25

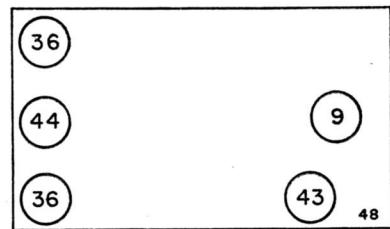
MODEL 44 →
MODEL 144 →
MODEL 504 →
MODEL 506 →



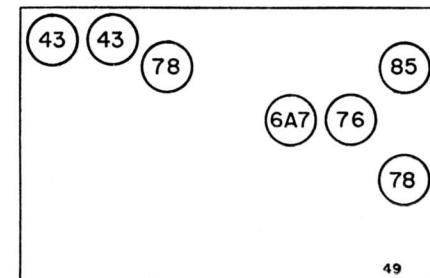
← MODEL 46



MODEL 47 →

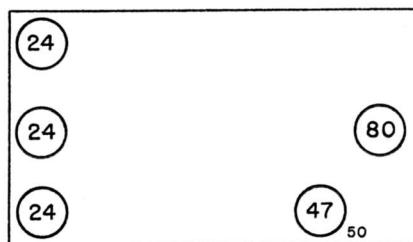


← MODEL 48



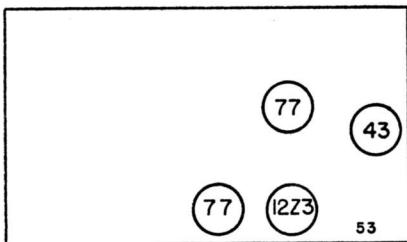
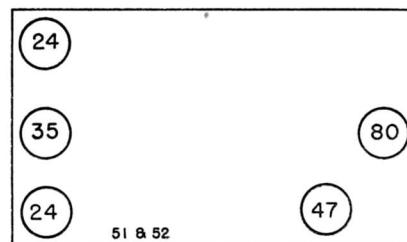
MODEL 49 →

SOCKET LAYOUTS PHILCO MODELS 50-54



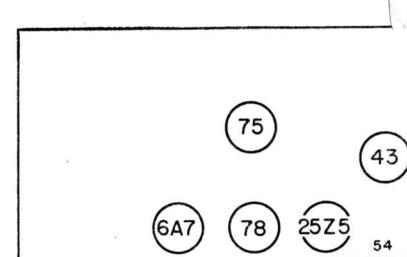
← MODEL 50

MODEL 51 →
MODEL 52 →
MODEL 24 →
MODEL 551 →

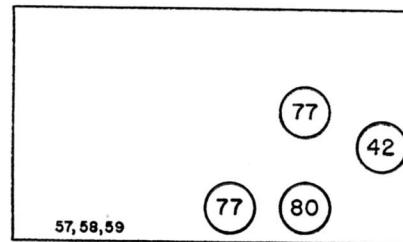


← MODEL 53

MODEL 54 →

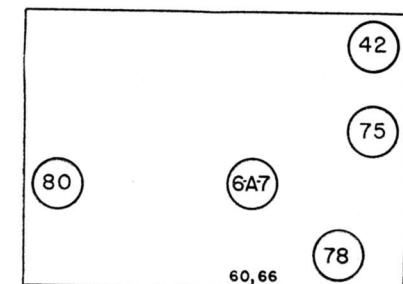


SOCKET LAYOUTS PHILCO MODELS 57-70

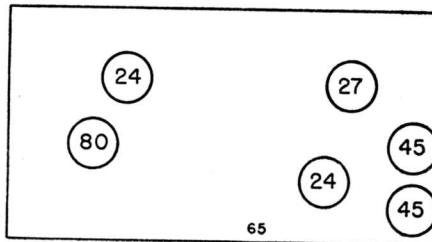


← MODEL 57
← MODEL 58
← MODEL 59

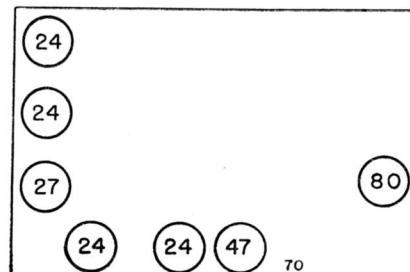
MODEL 60 →
MODEL 66 →
MODEL 505 →



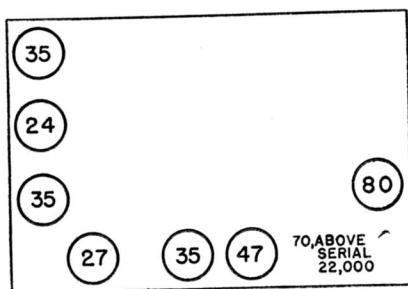
← MODEL 65



MODEL 70 →
(below serial 22,000)
MODEL 270 →
MODEL 370 →
MODEL 570 →

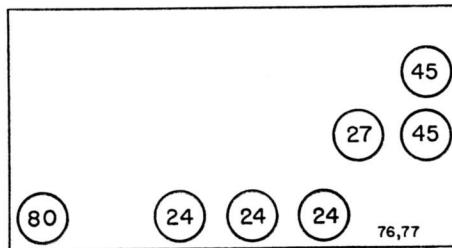
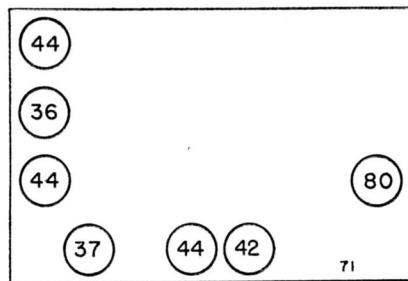


SOCKET LAYOUTS PHILCO MODELS 70-80



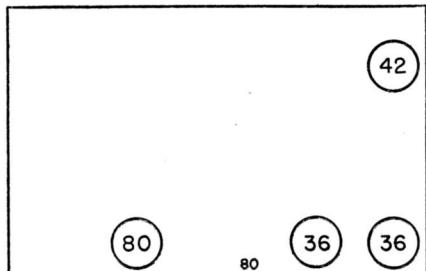
← MODEL 70
(above serial 22,000)

MODEL 71 →
MODEL 22 →

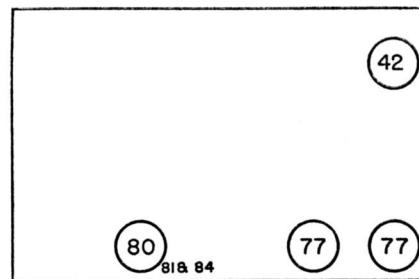


← MODEL 76
← MODEL 77

MODEL 80 →

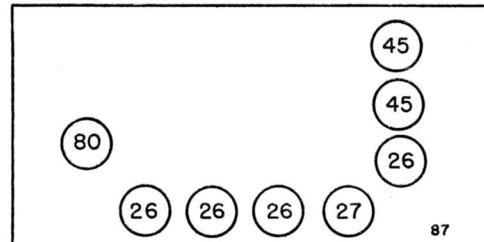
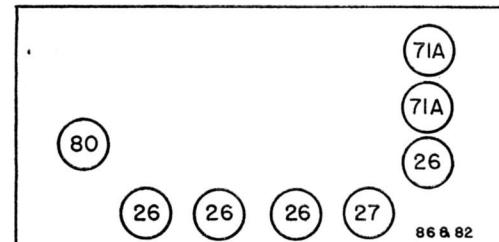


SOCKET LAYOUTS PHILCO MODELS 81-89



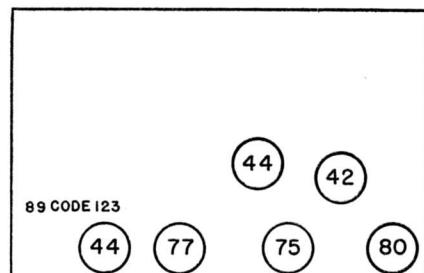
← MODEL 81
← MODEL 84
← MODEL 37-84
Code 121

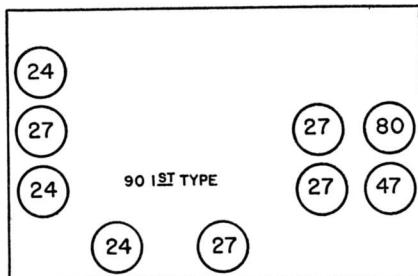
MODEL 86 →



← MODEL 87

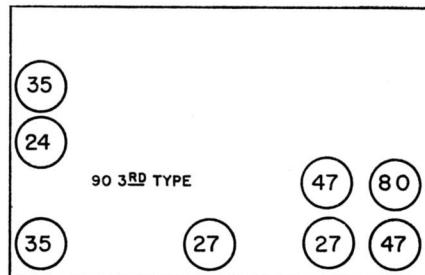
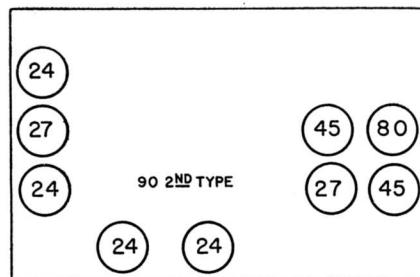
MODEL 89 →
Code 123





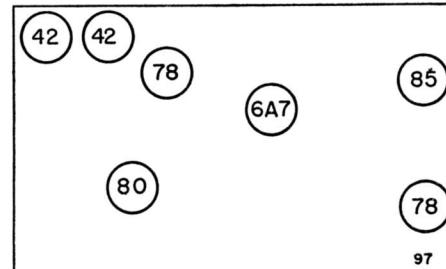
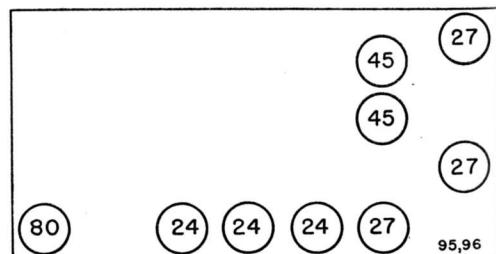
← MODEL 90
(below serial 237,001)

MODEL 90 →
(237,001—353,099)



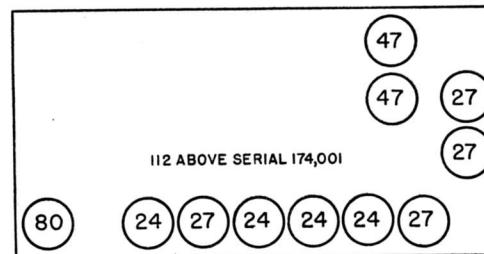
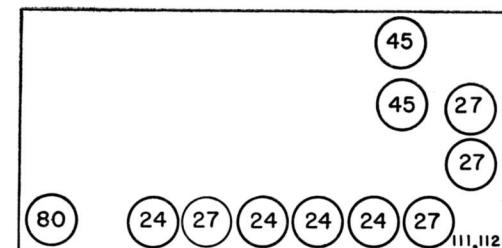
← MODEL 90
(above serial 353,100)

MODEL 95 →
MODEL 96 →
MODEL 296 →



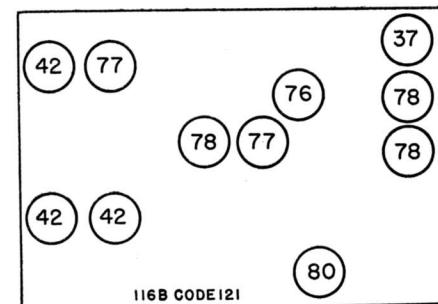
← MODEL 97

MODEL 111 →
MODEL 112 →
(below serial 174,001)
MODEL 211 →

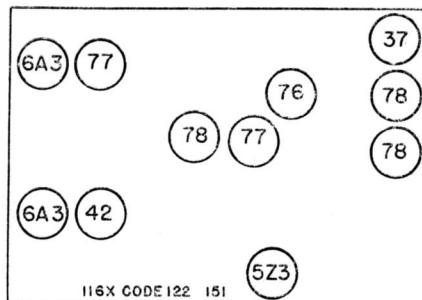


← MODEL 112
(above serial 174,001)
← MODEL 212

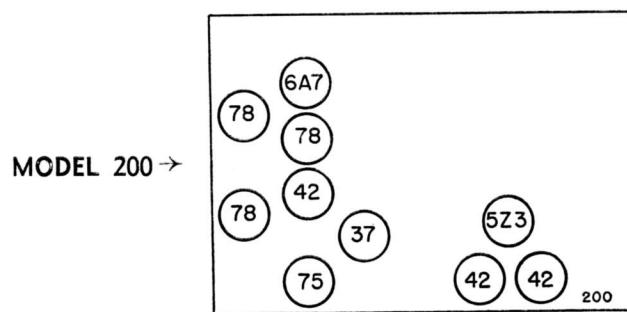
MODEL 116B →



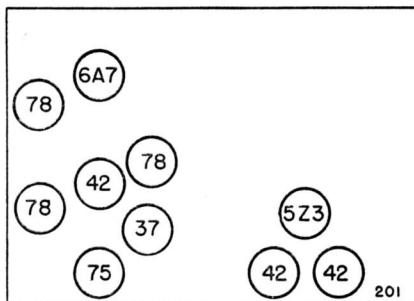
SOCKET LAYOUTS..... PHILCO MODELS 116X—511



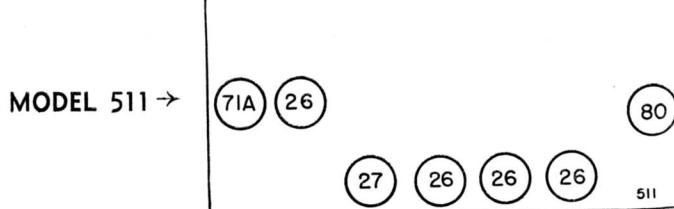
← MODEL 116X



MODEL 200 →

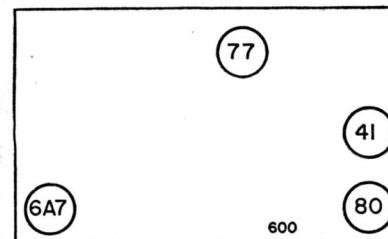


← MODEL 201
← MODEL 509

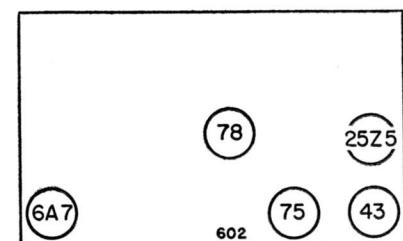


MODEL 511 →

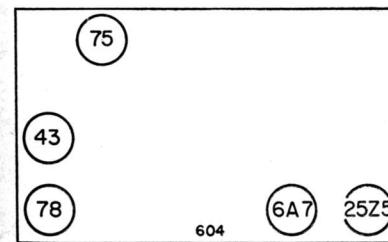
SOCKET LAYOUTS..... PHILCO MODELS 600—610



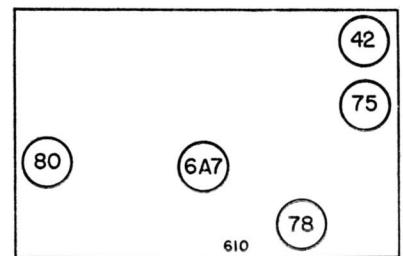
← MODEL 600



MODEL 602 →

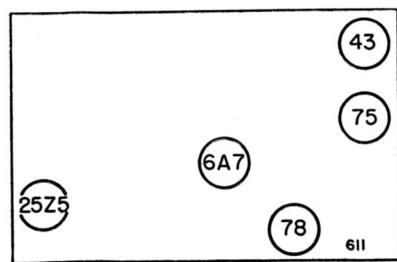


← MODEL 604



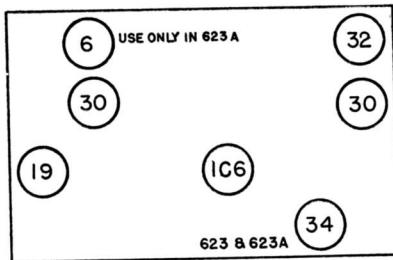
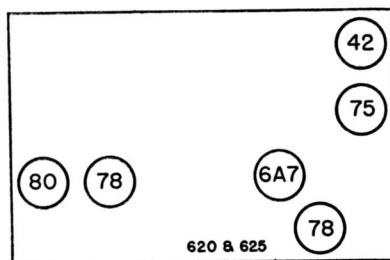
MODEL 610 →

SOCKET LAYOUTS.....PHILCO MODELS 611—624



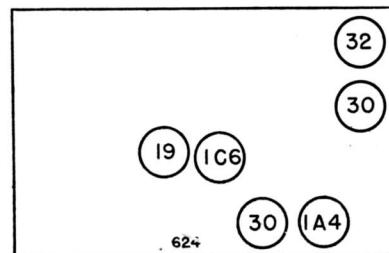
← MODEL 611

MODEL 620 →
MODEL 625 →
MODEL 630 →
MODEL 635 →

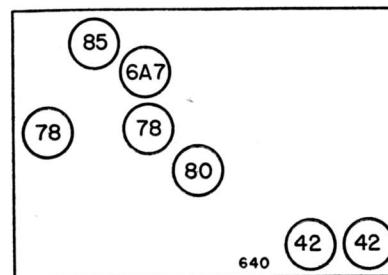


← MODEL 623
← MODEL 623A

MODEL 624 →

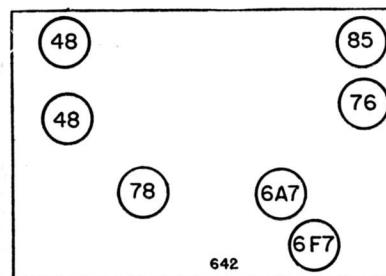
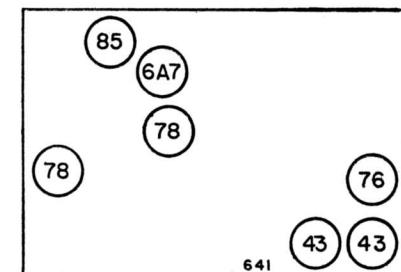


SOCKET LAYOUTS.....PHILCO MODELS 640—643



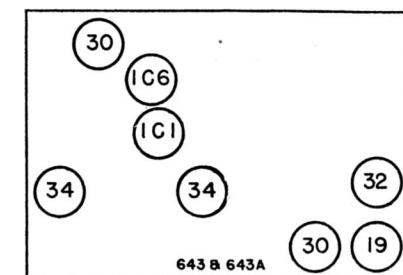
← MODEL 640

MODEL 641 →

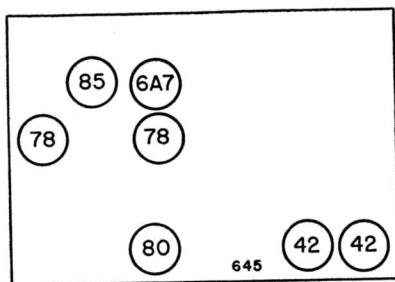


← MODEL 642

MODEL 643 →
MODEL 643A →
Note: The Type 1C1 tube
is used in 643A only.

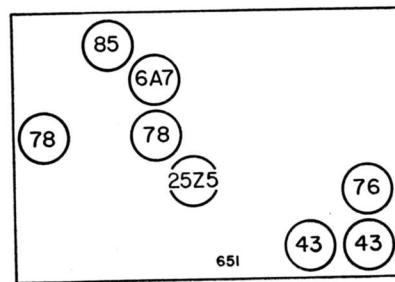
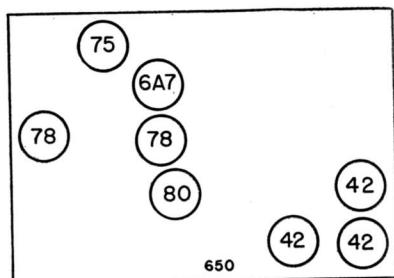


SOCKET LAYOUTS PHILCO MODELS 645—655



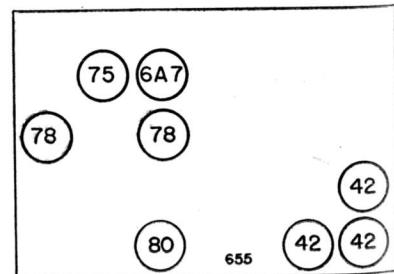
← MODEL 645

MODEL 650 →

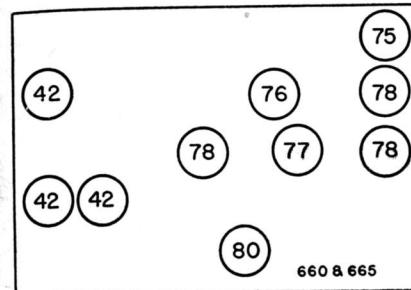


← MODEL 651

MODEL 655 →

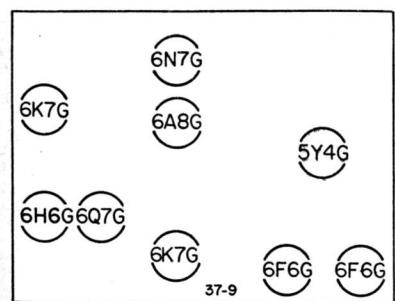
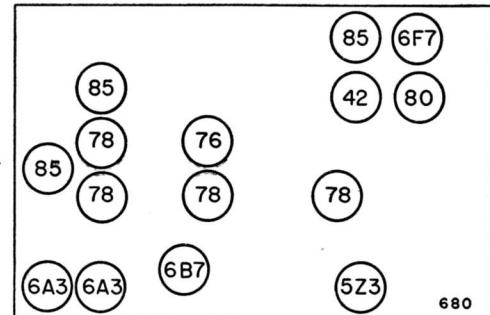


SOCKET LAYOUTS PHILCO MODELS 660—37-10



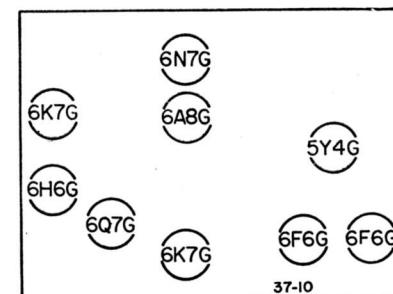
← MODEL 660
← MODEL 665

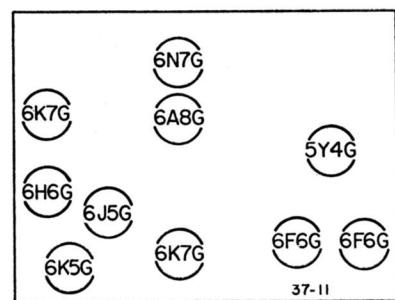
MODEL 680 →



← MODEL 37-9

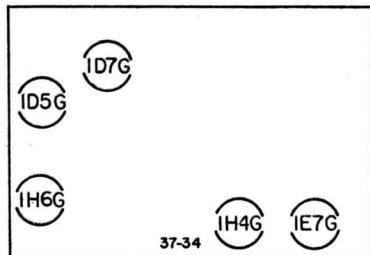
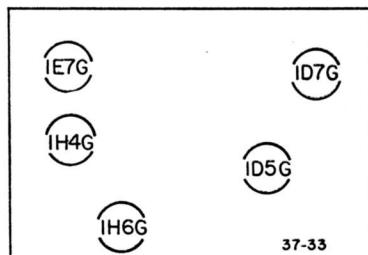
MODEL 37-10 →



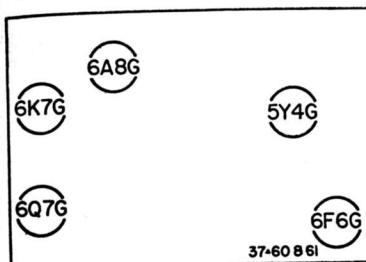
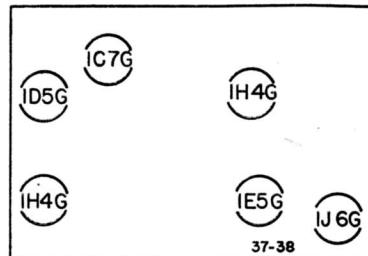
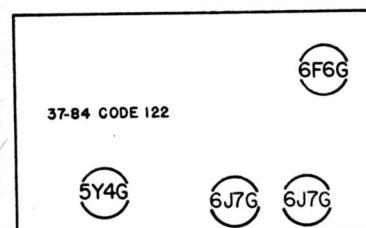
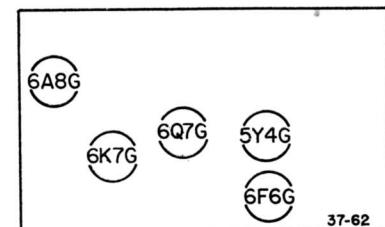
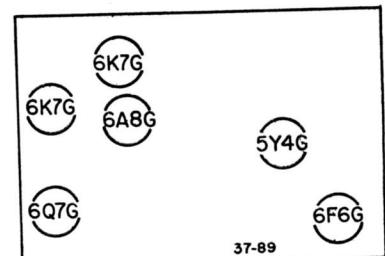


← MODEL 37-11

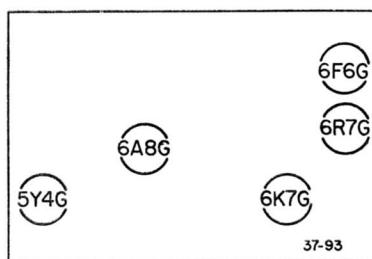
MODEL 37-33 →

← MODEL 37-34
← MODEL 38-34
Code 121

MODEL 37-38 →

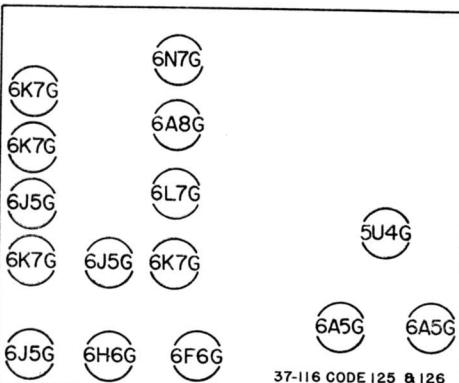
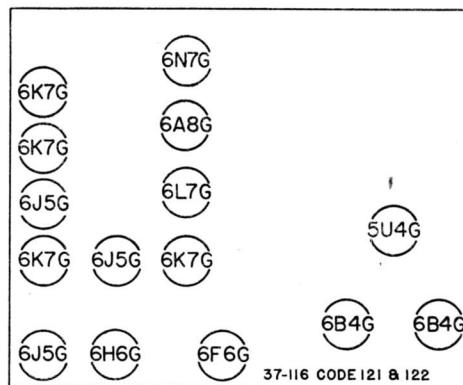
← MODEL 37-60
← MODEL 37-61
← MODEL 38-60MODEL 37-62 →
MODEL 38-62 →← MODEL 37-84
Code 122MODEL 37-89 →
MODEL 38-89 →
Code 121

SOCKET LAYOUTS.....PHILCO MODELS 37-93—37-116



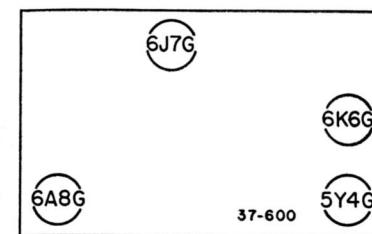
← MODEL 37-93
← MODEL 38-93

MODEL 37-116 →
Code 121
Code 122



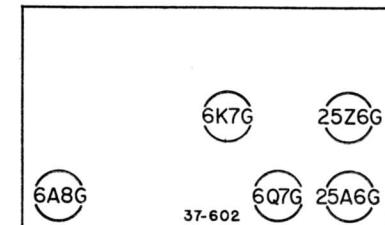
← MODEL 37-116
Code 125
Code 126

SOCKET LAYOUTS.....PHILCO MODELS 37-600—37-610

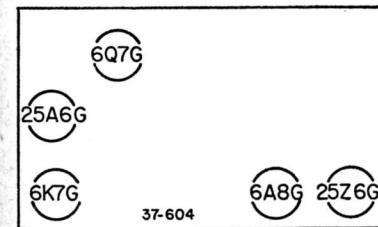


← MODEL 37-600

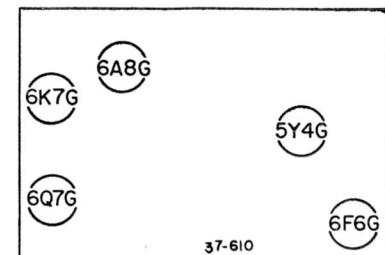
MODEL 37-602 →



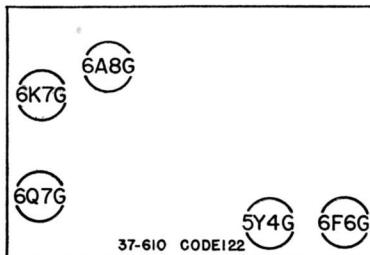
← MODEL 37-604



MODEL 37-610 →
Code 121 & 125
MODEL 38-610 →

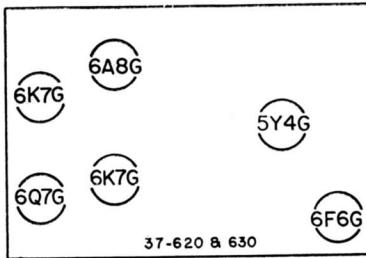
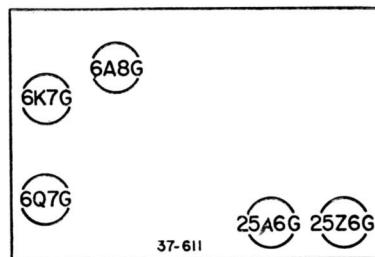


SOCKET LAYOUTS..... PHILCO MODELS 37-610—37-623



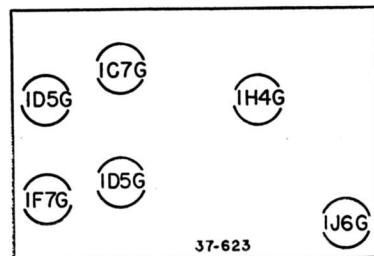
← MODEL 37-610
Code 122
Code 126

MODEL 37-611 →

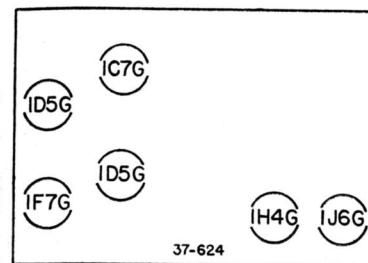


← MODEL 37-620
← MODEL 37-630
Code 121
← MODEL 38-620
← MODEL 38-630

MODEL 37-623 →
MODEL 38-623 →

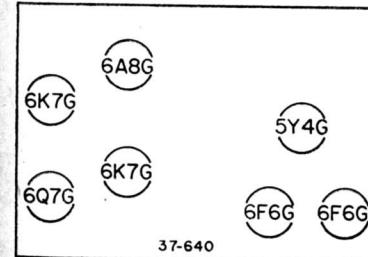
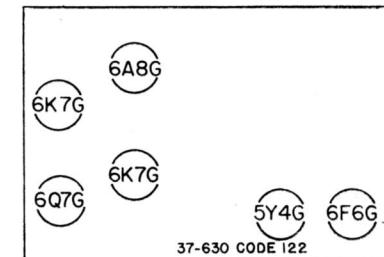


SOCKET LAYOUTS..... PHILCO MODELS 37-624—37-641



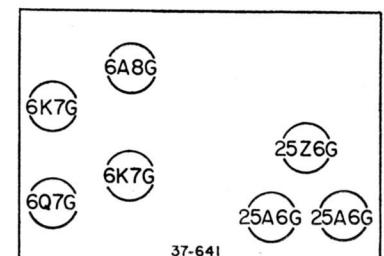
← MODEL 37-624
← MODEL 38-624

MODEL 37-630 →
Code 122

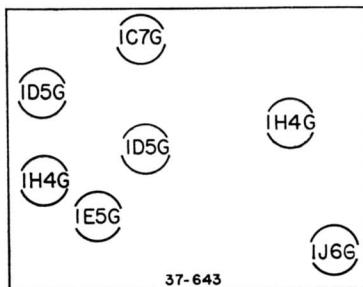


← MODEL 37-640
← MODEL 38-640

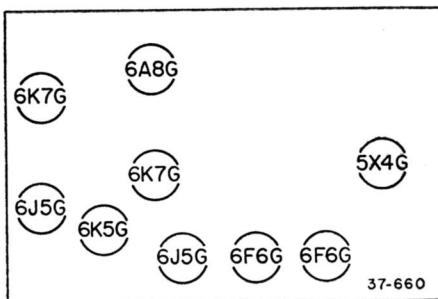
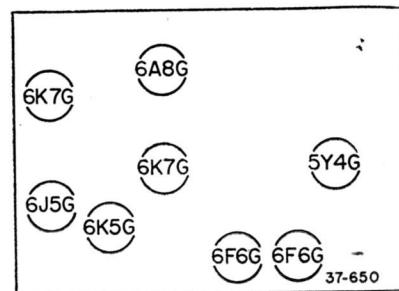
MODEL 37-641 →
MODEL 38-641 →



SOCKET LAYOUTS..... PHILCO MODELS 37-643—37-665

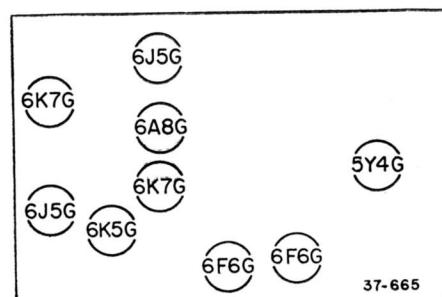


← MODEL 37-643
← MODEL 38-643

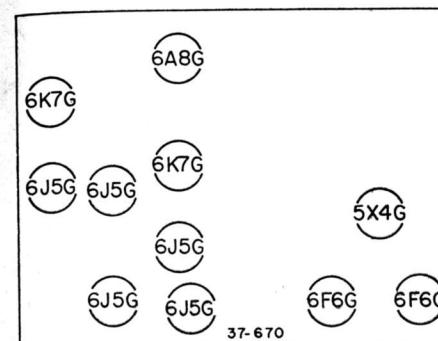


← MODEL 37-660

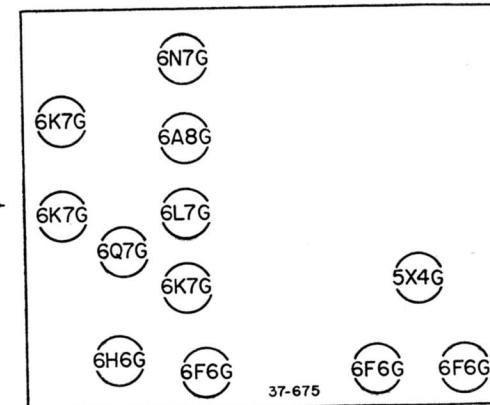
MODEL 37-665 →
MODEL 38-665 →



SOCKET LAYOUTS..... PHILCO MODELS 37-670—37-675

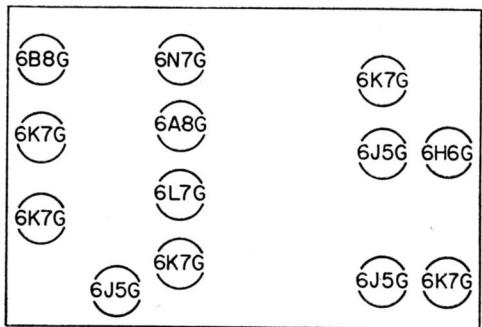


← MODEL 37-670

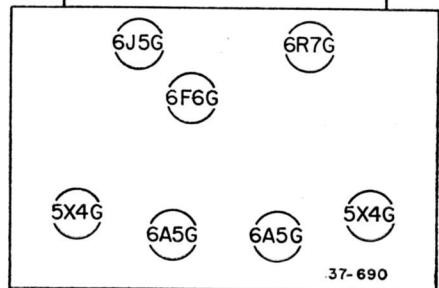


MODEL 37-675 →

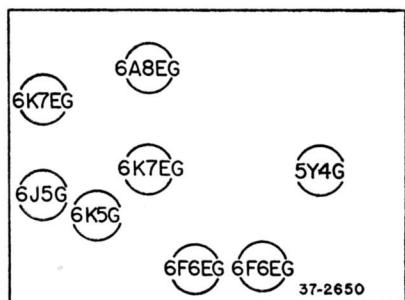
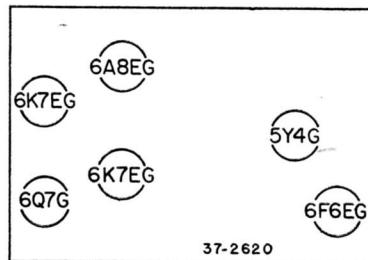
SOCKET LAYOUTS.....PHILCO MODELS 37-690—37-2650



← MODEL 37-690

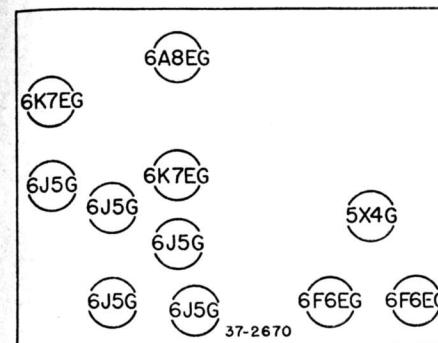


MODEL 37-2620 →
MODEL 38-2620 →

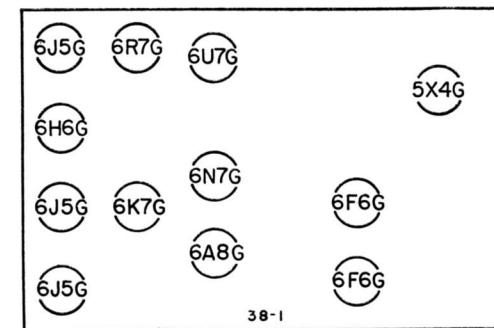


← MODEL 37-2650
← MODEL 38-2650

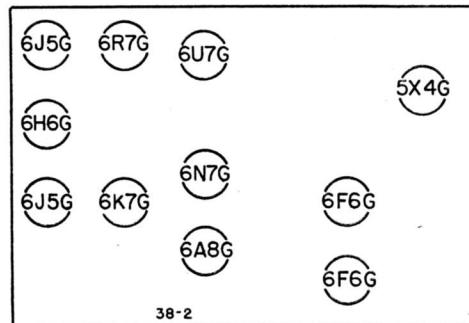
SOCKET LAYOUTS.....PHILCO MODELS 37-2670—38-2



← MODEL 37-2670

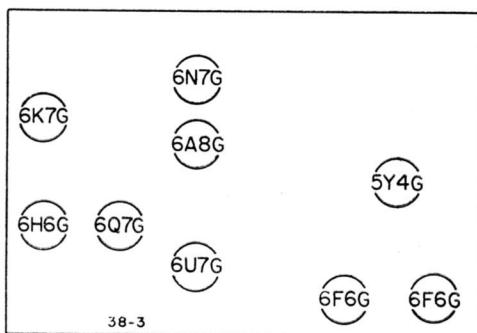


MODEL 38-1 →

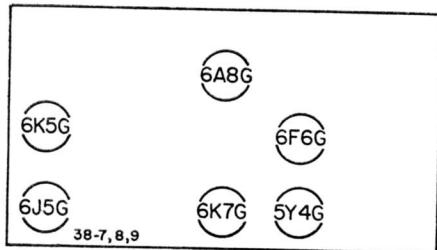
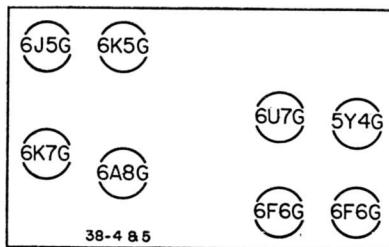


← MODEL 38-2

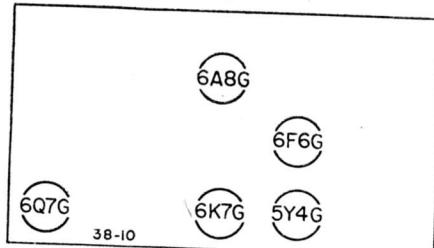
SOCKET LAYOUTS PHILCO MODELS 38-3—38-10



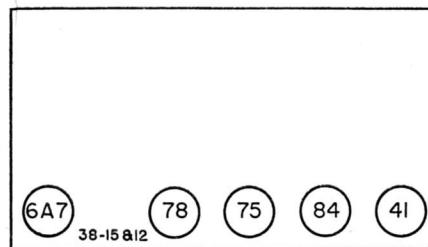
MODEL 38-4 →
MODEL 38-5 →



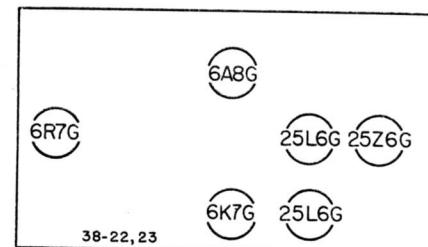
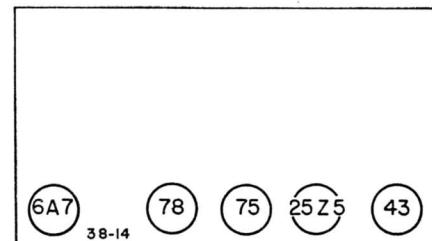
MODEL 38-10 →



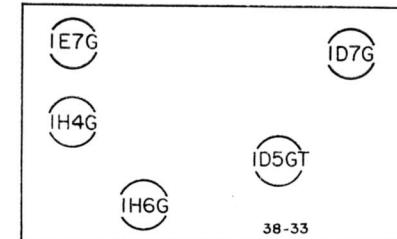
SOCKET LAYOUTS PHILCO MODELS 38-12—38-33



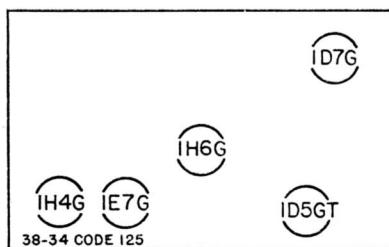
MODEL 38-14 →



MODEL 38-33 →

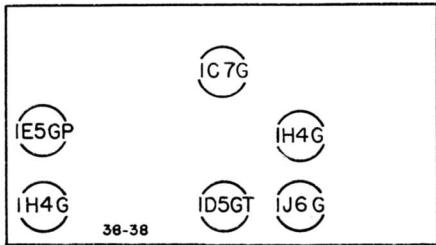
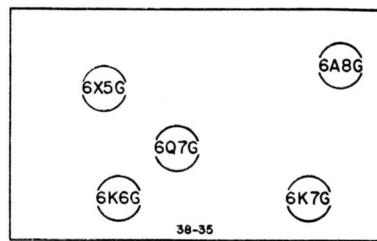


SOCKET LAYOUTS.....PHILCO MODELS 38-34—38-39



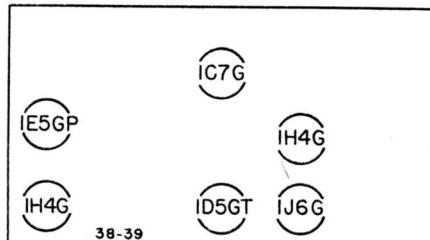
← MODEL 38-34
Code 125

MODEL 38-35 →

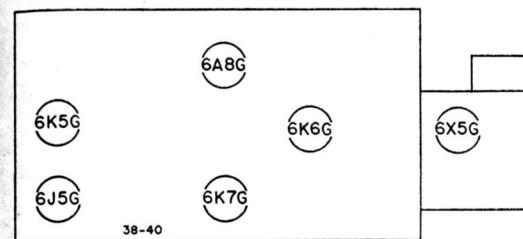


← MODEL 38-38
Code 125

MODEL 38-39 →

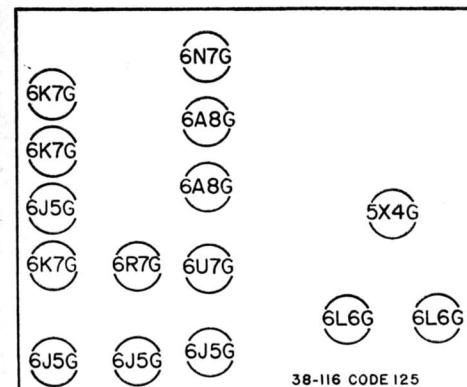
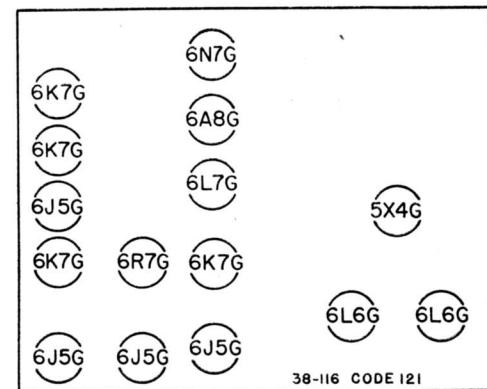


SOCKET LAYOUTS.....PHILCO MODELS 38-40—38-116

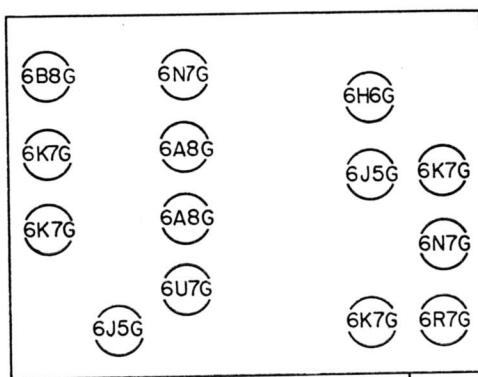
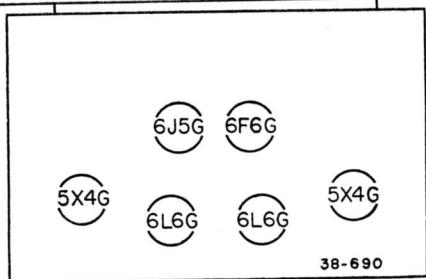


← MODEL 38-40

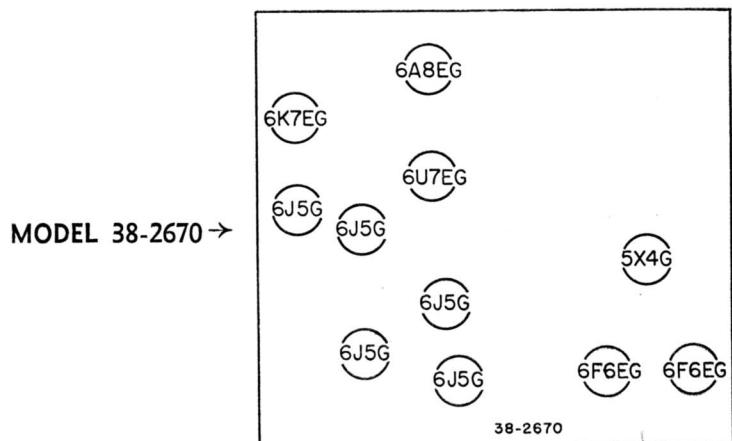
MODEL 38-116 →
Code 121



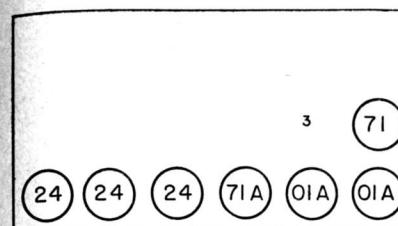
← MODEL 38-116
Code 125

← MODEL 38-690
Code 125

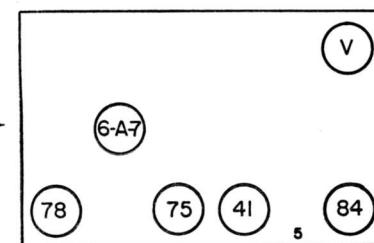
38-690



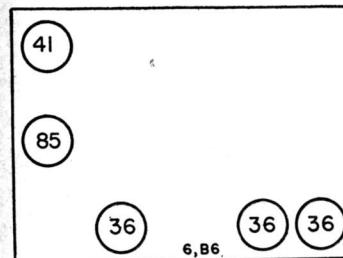
MODEL 38-2670 →



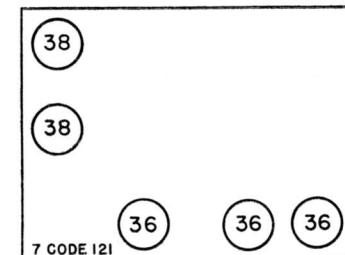
← MODEL 3

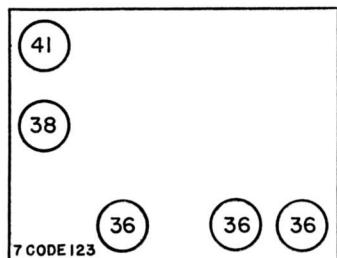


MODEL 5 →

← MODEL 6
← MODEL 6F
← MODEL B6
← MODEL PB

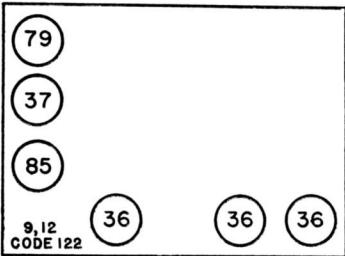
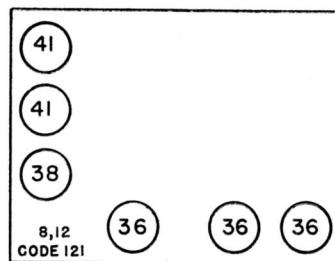
Note: Models 6F and PB have a type 84 rectifier tube in separate unit.

MODEL 7 →
Code 121



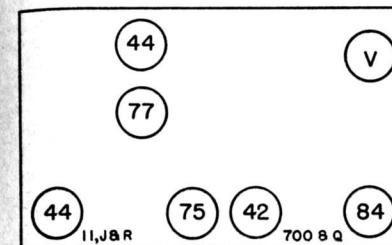
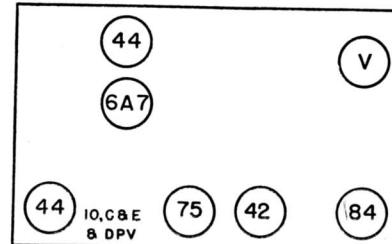
← MODEL 7
Code 123

MODEL 8 →
MODEL 12 →
Code 121



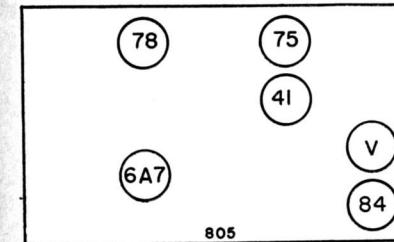
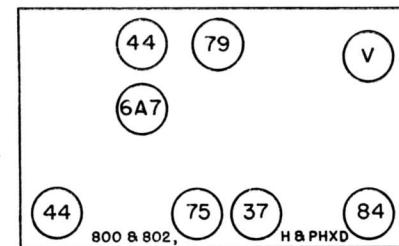
← MODEL 9
← MODEL 12
Code 122
← MODEL PA

MODEL 10 →
MODEL C →
MODEL DPV →
MODEL E →



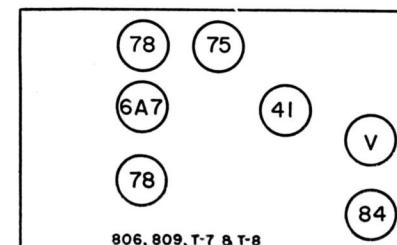
← MODEL 11,700
← MODEL J
← MODEL Q
← MODEL R

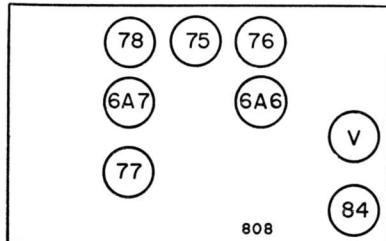
MODEL 800 →
MODEL 802 →
MODEL H →
MODEL PHXD →



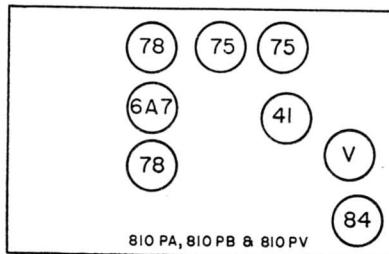
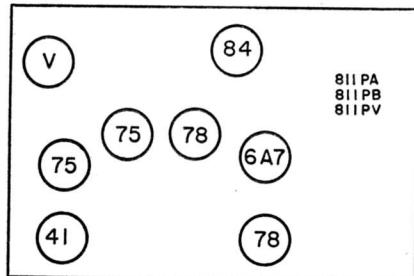
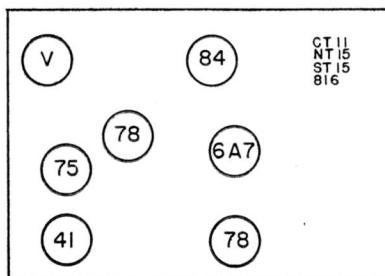
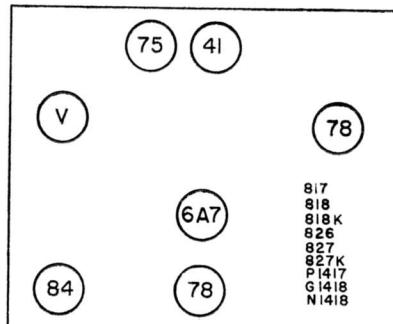
← MODEL 805

MODEL 806 →
MODEL 809 →
MODEL T-7 →
MODEL T-8 →

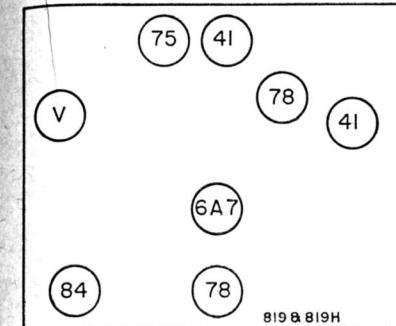
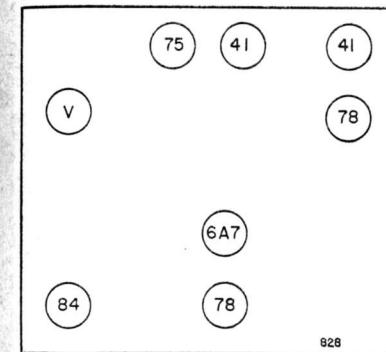




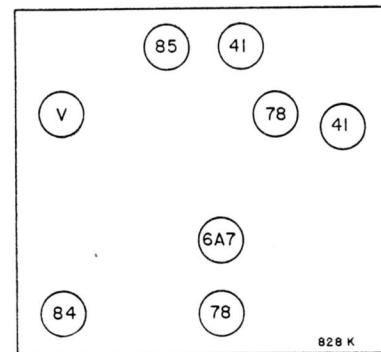
MODEL 808

MODEL 810PA
MODEL 810PB
MODEL 810PVMODEL 811PA
MODEL 811PB
MODEL 811PVMODEL 816
MODEL CT11
MODEL NT15
MODEL ST15
MODEL S1416

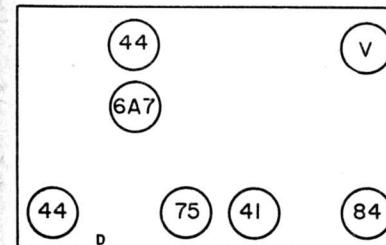
← MODEL 817
← MODEL 818
← MODEL 818K
← MODEL 826
← MODEL 827
← MODEL 827K
← MODEL P1417
← MODEL G1418
← MODEL N1418

← MODEL 819
← MODEL 819H

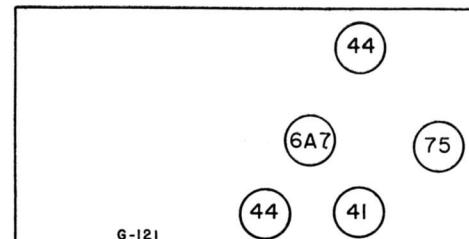
MODEL 828



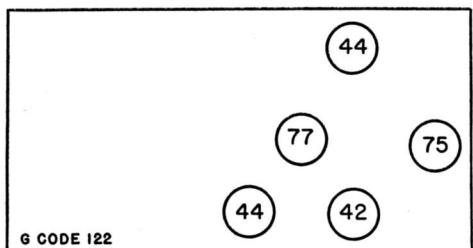
MODEL 828K



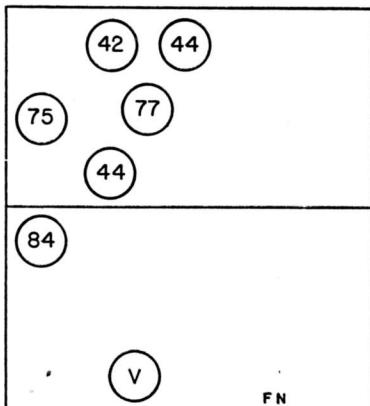
← MODEL D

MODEL G →
Code 121

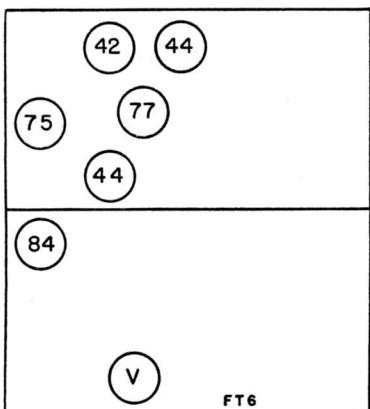
SOCKET LAYOUTS..... AUTO RADIO MODELS G—T-5



← MODEL G
Code 122

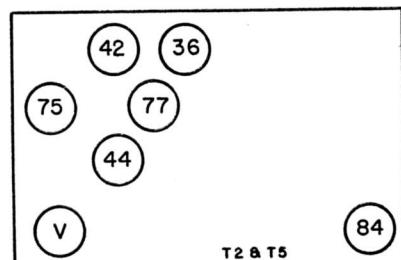


MODEL FN →

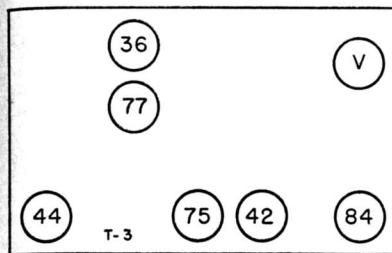


← MODEL FT-6

MODEL T-2 →
MODEL T-5 →

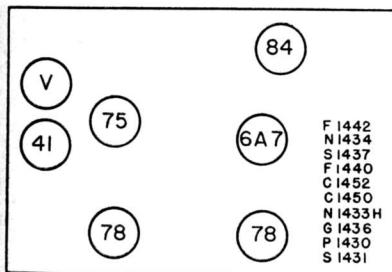
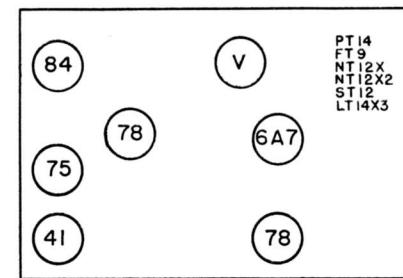


SOCKET LAYOUTS..... AUTO RADIO MODELS T-3—P-1426



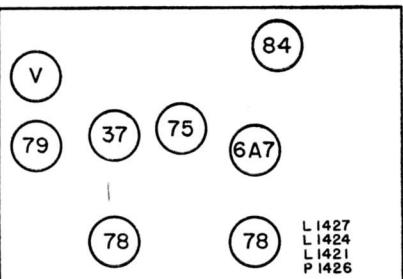
← MODEL T-3

MODEL FT-9 →
MODEL LT-14X3 →
MODEL NT-12X →
MODEL NT-12X2 →
MODEL PT-14 →
MODEL ST-12 →
MODEL T14X4 →



← MODEL C-1450
← MODEL C-1452
← MODEL F-1440
← MODEL F-1442
← MODEL G-1436
← MODEL N-1433H
← MODEL N-1434
← MODEL P-1430
← MODEL S-1431
← MODEL S-1437

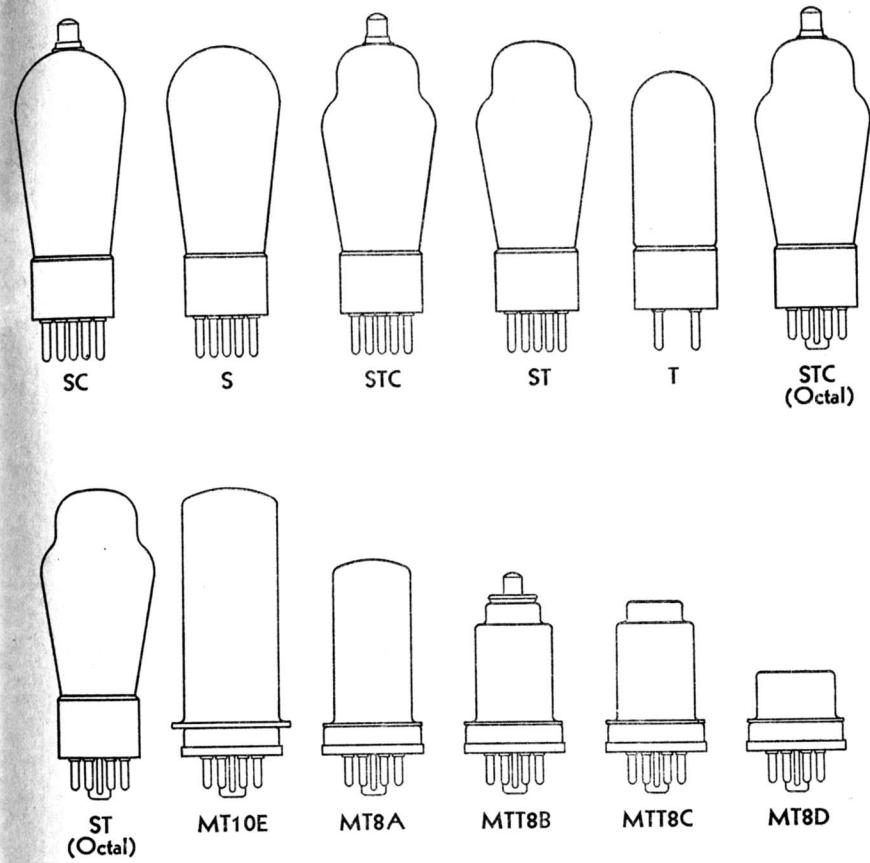
MODEL L-1424 →
MODEL L-1427 →
MODEL L-1429 →
MODEL L-1460 →
MODEL P-1421 →
MODEL P-1426 →



PHILCO PILOT LAMPS—DIMENSIONS AND SPECIFICATIONS

Philco Part No.	Voltage	Current Drain Amps.	Color of Filament Support Bead	Dimensions		Base	Mazda Type No.
				Overall Height	Overall Diameter		
5316	2.0	.06	Pink	1 1/8"	1 3/32"	Min. Screw
34-2046	2.0	.06	Pink	1 5/16"	7/16"	Min. Screw
34-2065	2.0	.06	Pink	1 1/8"	1 3/32"	Min. Bayonet
34-2150	2.1	.12	White	1 1/8"	1 3/32"	Min. Bayonet
34-2170	2.1	.25	Blue	1 1/8"	1 3/32"	Min. Bayonet
3463	2.5	.50	White	1 1/8"	1 3/32"	Min. Screw	41
34-2047	3.2	.50	Green	1 1/8"	1 3/32"	Min. Screw	42
4567	6-8	.15	Brown	1 1/8"	1 3/32"	Min. Screw	40
34-2031	6-8	.18	White	1 5/16"	7/16"	Min. Screw	50
6608	6-8	.25	Blue	1 1/8"	1 3/32"	Min. Screw	46
34-2068	6-8	.15	Brown	1 1/8"	1 3/32"	Min. Bayonet
34-2040	6-8	.18	White	1 5/16"	7/16"	Min. Bayonet	51
34-2064	6-8	.25	Blue	1 1/8"	1 3/32"	Min. Bayonet	44
34-2184	6-8	.25	Blue	1 1/8"	1 3/32"	Min. Bayonet	*Black Tip
34-2039	6-8	.36	White	1 1/16"	9/16"	Min. Bayonet	55
34-2038	6-8	.55	White	1 7/16"	2 3/32"	Med. Bayonet	63

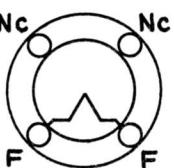
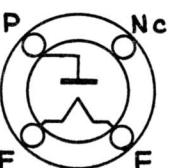
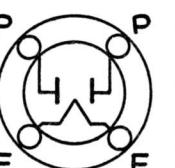
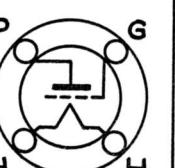
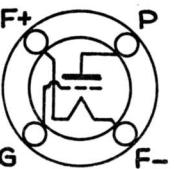
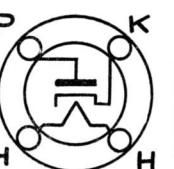
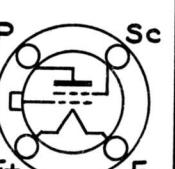
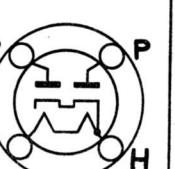
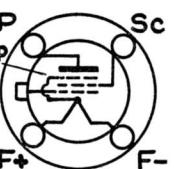
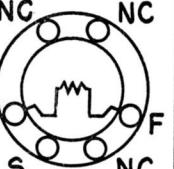
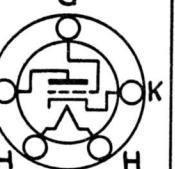
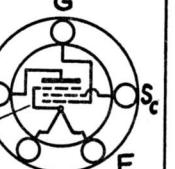
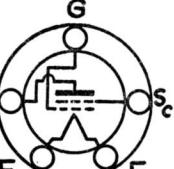
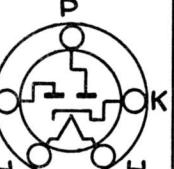
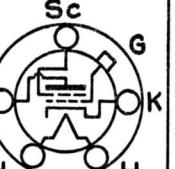
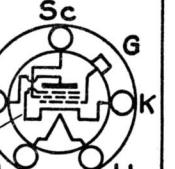
PHILCO TUBES..... BULB SIZES AND STYLES



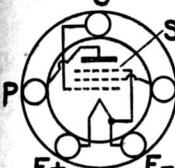
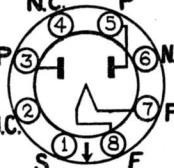
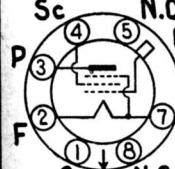
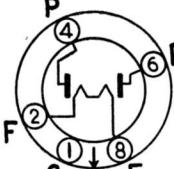
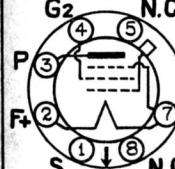
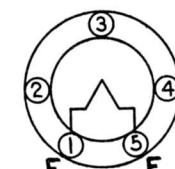
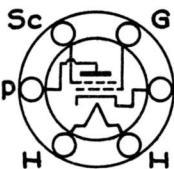
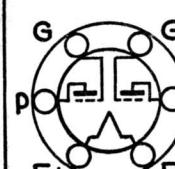
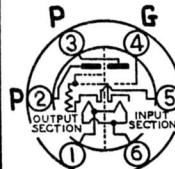
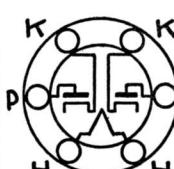
Type	Height	Diameter	Type	Height	Diameter
S12	3 5/8"	1 9/16"	ST16	4 13/16"	2 1/16"
S14	4 1/8"	1 13/16"	ST12C	3 5/16"	1 9/16"
S17	5 1/16"	2 13/16"	ST14C	4 15/32"	1 13/16"
S19	5 11/16"	2 7/16"	T8	3 9/16"	1 1/16"
S21	5 11/16"	2 11/16"	T9	3 7/16"	1 1/16"
S12C	3 15/16"	1 9/16"	MT8A	3 1/8"	1 1/4"
S14C	4 1/2"	1 13/16"	MTT8B	3"	1 1/4"
S21C	6 1/8"	2 11/16"	MTT8C	2 9/16"	1 1/4"
ST12	3 11/16"	1 9/16"	MT8D	1 1/2"	1 1/4"
ST14	4 1/8"	1 13/16"	MT10E	4 5/16"	1 5/8"

*Height of types 57 and 57 ST12C bulb is 4 3/8".

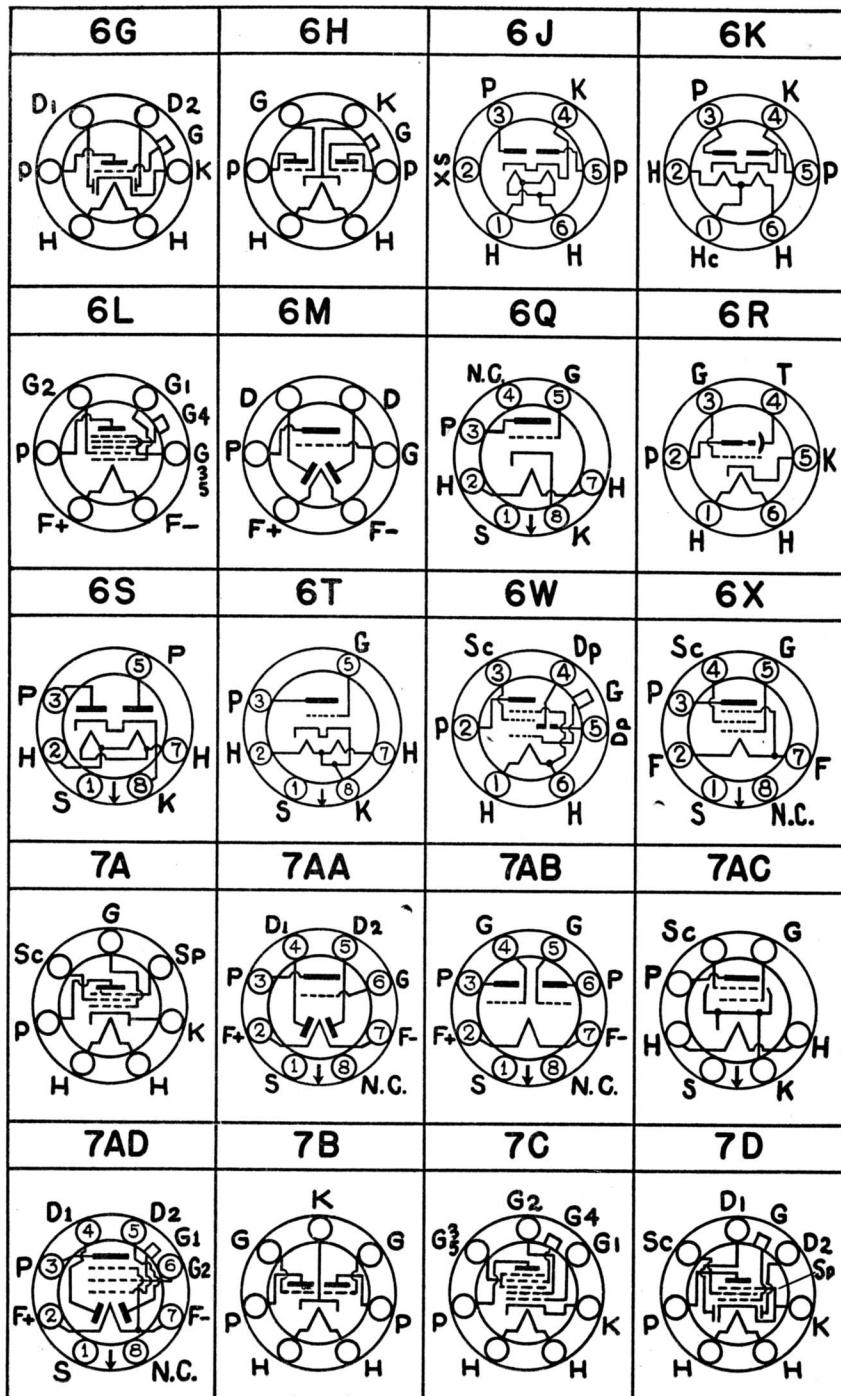
PHILCO TUBES.....BASE AND SCHEMATIC LAYOUTS

4A	4B	4C	4D
			
4E	4G	4K	4L
			
4M	4T	5A	5B
			
5C	5D	5E	5F
			

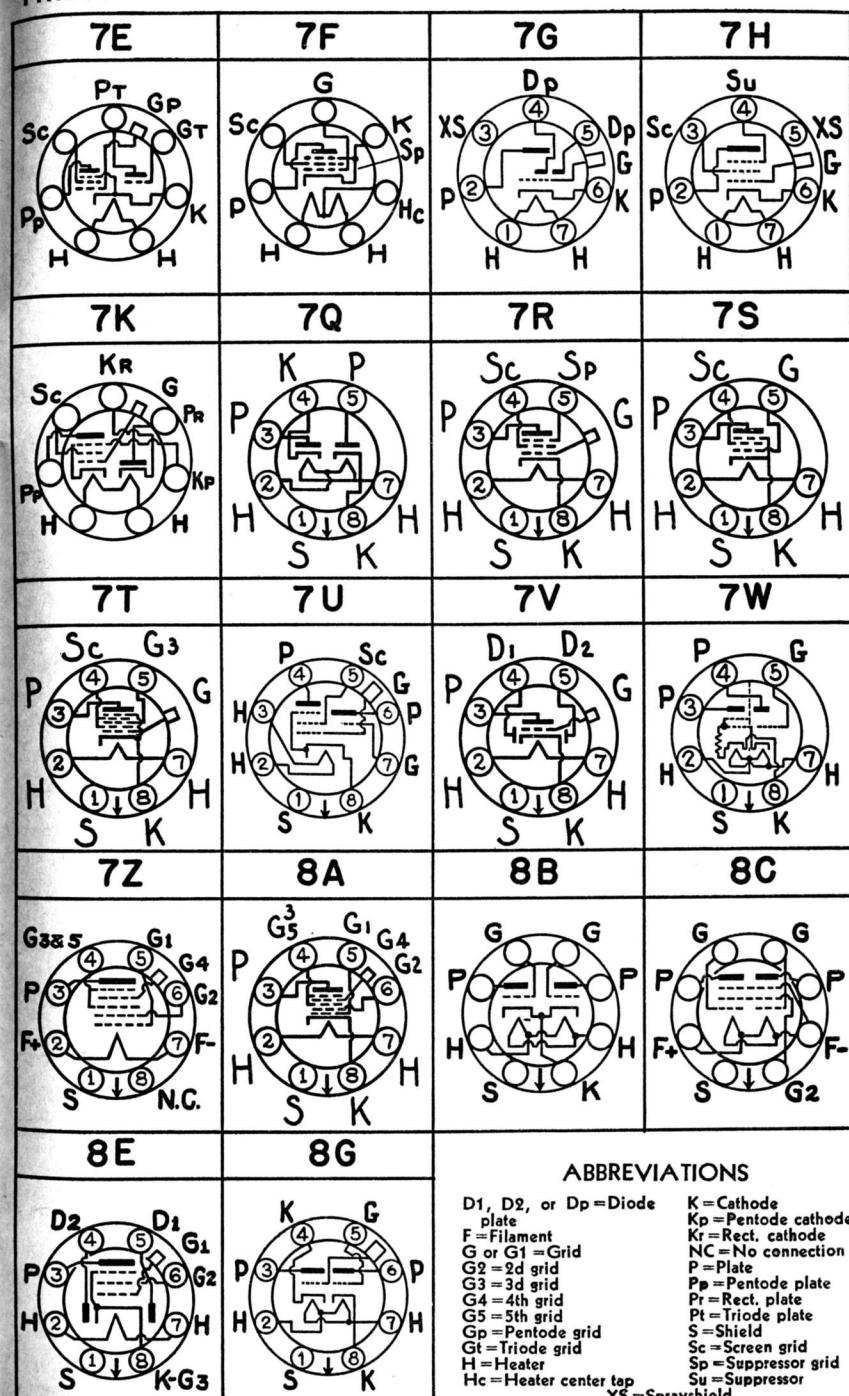
PHILCO TUBES.....BASE AND SCHEMATIC LAYOUTS

5K	5L	5M	5Q
			
5R	5S	5T	5U
			
5V	5-7	6A	6B
			
6C	6D	6E	6F
			

PHILCO TUBES.....BASE AND SCHEMATIC LAYOUTS



PHILCO TUBES.....BASE AND SCHEMATIC LAYOUTS



ABBREVIATIONS

D₁, D₂, or D_p = Diode plate
 K = Cathode
 F = Filament
 P = Plate
 G or G₁ = Grid
 G₂ = 2d grid
 G₃ = 3d grid
 G₄ = 4th grid
 G₅ = 5th grid
 P_p = Pentode plate
 Pr = Rect. plate
 Pt = Triode plate
 S = Shield
 Sc = Screen grid
 Sp = Suppressor grid
 Su = Suppressor
 XS = Sprayshield

BASE ARRANGEMENTS BY TUBE TYPES

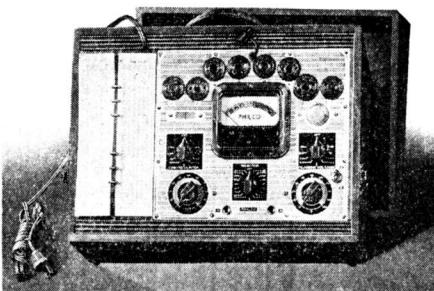
Type	Base	Type	Base	Type	Base
01A	4D	6E5	6R	42	6B
1A1	4A	6F5G	5M	43	6B
1A4	4K	6F6G	7S	45	4D
1A6	6L	6F7	7E	46	5C
1B1	4A	6G5	6R	47	5B
1B4	4M	6H6G	7Q	48	6A
1B5/255	6M	6J5G	6Q	49	5C
1C1	4A	6J7G	7R	50	4D
1C6	6L	6K5G	5U	53	7B
1C7G	7Z	6K6G	7S	55	6G
1D1	4A	6K7G	7R	56	5A
1D5GT	5R	6L5G	6Q	57	6F
1D7G	7Z	6L6G	7AC	58	6F
1E1	4A	6L7G	7T	59	7A
1E5GP	5R	6N6G	7W	71A	4D
1E7G	8C	6N7G	8B	75	6G
1F4	5K	6O7G	7V	76	5A
1F5G	6X	6R7G	7V	77	6F
1F7G	7AD	6S7G	7R	78	6F
1G1	4A	6T7G	7V	79	6H
1G5G	6X	6U7G	7R	80	4C
1H4G	5S	6V6G	7AC	81	4B
1H6G	7AA	6X5G	6S	82	4C
1J6G	7AB	6Y7G	8B	83	4C
1K1	4A	7	4A	83V	4L
1V	4G	8	4A	84	5D
2	4A	9	4A	85	6G
2A3	4D	10	4D	89	6F
2A5	6B	12A	4D	X99	4D
2A6	6G	12A5	7F	182B	4D
2A7	7C	12A7	7K	183	4D
2B7	7D	12Z3	4G	485	5A
2E5	6R	14	5E		
3	4A	15	5F		
4	4A	17	5A		
5	4A	18	6B		
5U4G	5T	19	6C		
5V4G	5L	22	4K		
5W4G	5T	24A	5E		
5X4G	5Q	25A6G	7S		
5Y3G	5T	25B6G	7S		
5Y4G	5Q	25L6G	7AC		
5Z3	4C	25Z5	6E		
5Z4	5L	25Z6G	7Q		
6	4A	26	4D		
6A3	4D	27	5A		
6A4/LA	5B	30	4D		
6A5G	6T	31	4D		
6A6	7B	32	4K		
6A7	7C	33	5K		
6A8G	8A	34	4M		
6B4G	5S	35/51	5E		
6B7	7D	36	5E		
6B8G	8E	37	5A		
6C5G	6Q	38	5F		
6C6	6F	39/44	5F		
6D6	6F	40	4D		
6D8G	8A	41	6B		

TUBE TYPES BY BASE ARRANGEMENTS

4A	2, 3, 4, 5, 6, 7, 8, 9, 1A1, 1B1, 1C1, 1D1, 1E1, 1G1, 1K1	6Q	6C5G, 6J5G, 6L5G 2E5, 6E5, 6G5
4B	81	6R	6X5G
4C	5Z3, 80, 82, 83	6T	6A5G
4D	01A, 2A3, 6A3, 10, 12A, 26, 30, 31, 40, 45, 50, 71A, X99, 182B, 183	7A	1F5G, 1G5G
4G	1V, 12Z3	7AA	1H6G
4K	1A4, 22, 32	7AC	6L6G, 6V6G
4L	83V	7AD	1F7G
4M	1B4, 34	7B	6A6, 53
5A	17, 27, 37, 56, 76, 485	7C	2A7, 6A7
5B	6A4/LA, 47	7D	2B7, 6B7
5C	46, 49	7E	6F7
5D	84	7F	12A5
5E	14, 24A, 35/51, 36	7K	12A7
5F	15, 38, 39/44	7Q	6H6G, 25Z6G
5K	1F4, 33	7R	6J7G, 6K7G, 6S7G
5L	5V4G, 5Z4	7S	6F6G, 6K6G, 25A6G, 25B6G, 25L6G
5M	6F5, G	7T	6L7G
5Q	5X4G, 5Y4G	7V	6Q7G, 6R7G, 6T7G
5R	1D5GT, 1E5GP	7W	6N6G
5S	1H4G, 6B4G	7Z	1C7G, 1D7G
5T	5U4G, 5W4G, 5Y3G	8A	6A8G, 6D8G
5U	6K5G	8B	6N7G, 6Y7G
6A	48	8C	1E7G
6B	2A5, 18, 41, 42, 43	8E	6B8G
6C	19		
6E	25Z5		
6F	6C6, 6D6, 57, 58, 77, 78, 89		
6G	2A6, 55, 75, 85		
6H	79		
6L	1A6, 1C6		
6M	1B5/255		

DESIGNED FOR TESTING PHILCO TUBES
AS WELL AS
ALL OTHER MAKES

PHILCO
Model 066
**TUBE
TESTER**



• Philco dealers and R. M. S. members will welcome this high-quality low-cost complete modern Philco tube tester . . . developed by Philco engineers as a result of a careful survey and analysis of today's serviceman's needs.

Model 066 gives the only absolutely dependable test because it applies a check that covers all characteristics of the tube at once . . . showing overall performance rating and condition . . . the actual output of the tube under the equivalent of broadcast receiving conditions.

The method of testing used is extremely simple . . . anyone can quickly become adept. A complete chart—especially developed by Philco—including every type of tube, with positions of controls shown for each type, is conveniently mounted alongside the control panel, for quick, handy use.

No other tester on the market has all these new desirable features . . . plus sturdy, compact construction and smart, trim appearance. An instrument you will be proud to own, and one that will be a permanent investment that will increase your income right from the day you buy it.

Notable Features of Model 066

- Tests every known type tube
- Indicates true overall efficiency
- Extremely simple test procedure
- Actual operating voltages used
- Large, easy-reading meter
- "Good" and "Bad" shown in color
- Sensitive Neon "short" test
- Rectifier and Diode tests included
- Latest style control knobs
- Convenient, sloping panel
- Removable cover
- For counter or portable use

**SPECIAL
DISCOUNT
PRICE**
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DISTRIBUTOR

Dimensions 15 $\frac{3}{4}$ "x11 $\frac{1}{8}$ "x7 $\frac{1}{2}$ " For 115 Volts, 60 Cycle..

**Quick Reference
TUBE COMPLEMENT
TABLE
FOR ALL PHILCO MODELS**

Pages 60 to 63