

Price: 25 cents

RCA

INTERCHANGEABILITY DIRECTORY



OF
INDUSTRIAL-TYPE ELECTRON TUBES



RADIO CORPORATION OF AMERICA • ELECTRON TUBE DIVISION • HARRISON, N. J.

RCA Interchangeability Directory

This Interchangeability Directory of industrial electron tubes has been prepared to assist distributors, dealers, servicemen, broadcast stations, and individual users in selecting the proper RCA tube type as a replacement.

Listing more than 2700 type designations, this Directory covers Vacuum Power Tubes, Vacuum and Gas Rectifiers, Thyratrons, Ignitrons, Magnetrons, Cold-Cathode (Glow-Discharge) Tubes, Phototubes, Oscillograph Tubes, Camera Tubes, and Receiving-Type Tubes for Industry and Communications.

In using this Directory, note that the basic type designations of different manufacturers may have been assigned according to different systems. Some basic designations consist only of a number; others consist of a combination of letters and digits. In either case, the basic designation may or may not have a prefix composed of one or more letters, such as EL, GL, WL, WT, F, ML, UE, etc., which indicates the particular manufacturer. In certain cases, this prefix becomes an essential part of the type designation when as sometimes happens, two or more manufacturers utilize the same basic designation for different tube types.

Identifying information about the **Type To Be Replaced** including the manufacturer's prefix, if any, the basic type designation in bold face, symbol to designate the manufacturer, and symbol to indicate class of tube is charted in the first four columns. The next two columns show the **RCA Direct Replacement Type**, or the **RCA Similar Type**, respectively, when one or the other is available.

Basic designations shown in Column 2 of the tabulation are listed in numerical-alphabetical sequence. Those starting with a digit are given first; those starting with a letter appear at the end of the tabulation.

How to Use

1. Look in Column 2 for basic designation of type to be replaced.

2. If type to be replaced has a prefix, look for that prefix in Column 1.

For example: If type FG-17 is to be replaced, find the basic designation 17 in Column 2 and the prefix FG in Column 1.

For example: If type WT-T-106 is to be replaced, find the basic designation T-106 in Column 2 and the prefix WT in Column 1.

3. Consult Column 5 for corresponding **RCA Direct Replacement Type**.

4. If no Direct RCA Replacement Type is shown, consult Column 6 for RCA Similar Type. Such a type usually is not directly interchangeable with the type to be replaced because of mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. Tube data should, therefore, be checked before replacing a Type To Be Replaced in Column 2 with a Similar RCA Type in Column 6.

KEY TO SYMBOLS IN COLUMN 3

A = Amperex Electronic Corp.	GES = General Electronics Co.	R = Rauland Corporation
BEN = Bendix Aviation Corp.	GS = General Scientific Corp.	RK = Raytheon Manufacturing Co.
BO = Bomac Laboratories, Inc.	HK = Heinz and Kaufman	ROG = Rogers Electronic Tubes
CH = Chatham Electronics Division	HY = CBS-Hytron	S = Sylvania Electric Products, Inc.
CE = Continental Electric Co. (Cetron)	IH = Induction Heating Corp.	STC = Standard Telephone and Cables
D = A. B. Dumont Laboratories, Inc.	KU = Kuthe Laboratories	T = Taylor Tubes, Inc.
EE = Electronic Enterprises, Inc.	ML = Machlett Laboratories, Inc.	TS = Tung-Sol Electric, Inc.
EM = Eitel-McCullough, Inc. (Eimac)	NAP = Philips Electron Tube Division	UE = United Electronics Co.
EL = Electrons, Inc.	NL = National Electronics, Inc.	WE = Western Electric Co.
F = Federal Telephone and Radio Co.	NU = National Union Electric Corp.	WL = Westinghouse Electric Corp.
GE = General Electric Co.	PL = Penta Laboratories, Inc.	WT = Weltronic Co.

KEY TO SYMBOLS IN COLUMN 4

CM = Camera Tube or Monoscope	IC = Image-Converter Tube	RT = Receiving Tube
CR = Cathode-Ray Tube	M = Magnetron	RIT = Receiving-Type Industrial Tube
G = Glow Tube	P = Phototube	ST = Storage Tube
GA = Gauge Tube	PC = Photoconductive Cell	T = Thyatron
K = Klystron	PJ = Photojunction Cell	TW = Traveling-Wave Tube
I = Ignitron	R = Rectifier	VPT = Vacuum Power Tube

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	2E24	GE	VPT	2E24	2E24
	2E24	HY	VPT		
	2E24	RK	VPT		
	2E24	S	VPT		
	2E25	HY	VPT		
GL	2E26	RCA	VPT	2E26	
	2E26	GE	VPT		
	2E26	HY	VPT		
	2E26	RK	VPT		
	2E26	S	VPT		
	2E26	S	VPT		
GL	2E30	GE	VPT	2F21	5618
	2E30	HY	VPT		
GL	2F21	RCA	CM	2K26	5618
	2H21	GE	VPT		
GL	2K26	RCA	K	2K26	
	2K26	RK	K		
CE	2V	WE	K	2X2-A	
	2V	CE	P		
GL	2X2/879	RCA	R	2X2-A	
	2X2/879	GE	R		
GL	2X2/879	S	R	2X2-A	
	2X2/879	TS	R		
	2X2-A	RCA	R		
	2X2-A	GE	R		
	2X2-A	HY	R		
	2X2-A	NU	R		
	2X2-A	RK	R		
	2X2-A	S	R		
	2X2-A	TS	R		
	2X2-A	EM	VPT		
GL	3-50A4	EM	VPT	834	809
	3-50G2	EM	VPT		
	3-75A3	EM	VPT		
	3-100A	EM	VPT		
	3-250A4	EM	VPT		
GL	3-450A4	EM	VPT	3A4	811-A
	3-1000A2	EM	VPT		
	3-1000A4	EM	VPT		
GL	3A4	RCA	VPT	3A4	8005 810 806
	3A4	HY	VPT		
	3A4	NU	VPT		
	3A4	RK	VPT		
	3A4	S	VPT		
	3A4	TS	VPT		
	3A4	TS	VPT		
	3A5	RCA	VPT		
	3A5	HY	VPT		
	3A5	RK	VPT		
	3A5	S	VPT		
	3A5	TS	VPT		
GL	3AP1	RCA	CR	3AP1-A	833-A 8000 810
	3AP1	D	CR		
	3AP1	S	CR		
	3AP1-A	RCA	CR		
	3AP1-A	D	CR		
	3AP1-A	GE	CR		
	3AP1-A	S	CR		
	3BP1	RCA	CR		
	3BP1	D	CR		
	3BP1	S	CR		
	3BP1-A	RCA	CR		
	3BP1-A	D	CR		
	3BP1-A	S	CR		
	3BP1-A	HY	CR		
GL	3B25	RCA	R	3B25	
	3B25	HY	R		

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
DR	3B27	EE	R	3B28	836
	3B27	GES	R		
	3B28	RCA	R		
	3B28	A	R		
	3B28	CE	R		
AX	3B28	CH	R	3B28	836
	3B28	HY	R		
	3B28	S	R		
	3B28	TS	R		
	3B28	UE	R		
	3B28	UE	R		
EL	3B29	GES	R	3C23	838
	3C/4B24	EL	R		
GL	3C21	A	VPT	3C23	
	3C22	GE	VPT		
	3C23	RCA	T		
GL	3C23	CE	T	3C23	
	3C23	CH	T		
	3C23	GE	T		
	3C23	HY	T		
	3C23	NL	T		
	3C23	UE	T		
	3C23	WL	T		
	3C24	EM	VPT		
	3C33	RCA	VPT		
	3C45	RCA	T		
GL	3C45	BO	T	6130/ 3C45	1623
	3C45	KU	T		
GL	3CX100A5	EM	VPT	3D22-A	2C39-A
	3D22	RCA	T		
	3D22	NU	T		
	3D22-A	RCA	T		
	3E22	RCA	VPT		
GL	3E29	RCA	VPT	3E29	
	3E29	HY	VPT		
	3E29	NU	VPT		
	3E29	S	VPT		
	3JP1	RCA	CR		
	3JP1	D	CR		
	3JP1	S	CR		
	3JP1	TS	CR		
	3JP7	RCA	CR		
	3JP7	D	CR		
3JP7	S	CR			
GL	3KP1	GE	CR	3KP1	808
	3KP1	RCA	CR		
	3KP1	S	CR		
	3KP4	RCA	CR		
	3KP4	RK	CR		
	3KP7	RCA	CR		
	3KP11	RCA	CR		
	3KP16	RCA	CR		
	3RP1	RCA	CR		
	3RP1	S	CR		
3RP1-A	RCA	CR			
3RP1-A	D	CR			
GL	3RP4	RCA	CR	3WP1	
	3WP1	S	CR		
	3WP2	RCA	CR		
	3WP2	RCA	CR		
	3WP11	RCA	CR		
	3WP11	RCA	CR		
GL	3X100A5	EM	VPT	2C39-A	
	3X100A11	EM	VPT		

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
F	3X2500A3	EM	VPT	4-65A	5762/ 7C24 5762/ 7C24
	3X2500A3	F	VPT		
	4-65A	RCA	VPT		
ML	4-65A	EM	VPT	4-125A	
	4-125A	EM	VPT		
	4-125A	ML	VPT		
	4-125A	RCA	VPT		
	4-125A/4D21	A	VPT		
	4-125A/4D21	GE	VPT		
AX	4-125A/4D21	A	VPT	6155/ 4-125A	
	4-125A/4D21	GE	VPT		
GL	4-125A/4D21	GE	VPT	6155/ 4-125A	
	4-125A/6155	A	VPT		
	4-125A/6155	GE	VPT		
AX	4-250A	RCA	VPT	4-250A/ 5D22	4-250A/ 5D22
	4-250A	EM	VPT		
GL	4-250A	RCA	VPT	4-250A/ 5D22	4-250A/ 5D22
	4-250A	EM	VPT		
AX	4-250A/5D22	A	VPT	4-250A/ 5D22	4-250A/ 5D22
	4-250A/5D22	GE	VPT		
WL	4-250A/5D22	WL	VPT	4-250A/ 5D22	4-250A/ 5D22
	4-250A/6156	A	VPT		
GL	4-400A	EM	VPT	4-1000A	930, 1P40 930, 1P40 872-A 8005 808
	4-750A	EM	VPT		
	4-1000A	RCA	VPT		
	4-1000A	EM	VPT		
	4-1000A	GE	VPT		
	4-1000A	WL	VPT		
	4(A-D)	HY	P		
	4(A-D)	CE	P		
	4B22	UE	R		
	4B32	A	R		
GL	4B32	UE	R	4C33	
	4C21	GE	VPT		
	4C22	A	VPT		
	4C25	HK	VPT		
PL	4CX250B	RCA	VPT	4CX250B	
	4CX250B	A	VPT		
	4CX250B	EM	VPT		
	4CX300A	A	VPT		
	4CX300A	EM	VPT		
GL	4CX1000A	EM	VPT	4-125A/ 4D21	
	4CX5000A	EM	VPT		
WL	4D21	EM	VPT	4-125A/ 4D21	
	4D21/4-125A	WL	VPT		
GL	4D21/4-125A	WL	VPT	4-125A/ 4D21	
	4D21/4-125A	WL	VPT		

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Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†		
Mfr. Prefix	Basic Designation	Mfr.	Tube Class				
PL	4D21-A	PL	VPT	4-125A/ 4D21 4-125A/ 4D21			
	4D23	RK	VPT				
	4E27/ 8001	RCA	VPT			4E27/ 8001	
	4E27A/ 5-125B	RCA	VPT			4E27A/ 5-125B	
	4E27A/ 5-125B	EM	VPT			4E27A/ 5-125B	
	4X100A	EM	VPT			4X150A	
	4X150A	RCA	VPT				
	4X150A	A	VPT				
	GL	4X150A	EM			VPT	4X150A
		4X150A	GE			VPT	
WL	4X150A	HY	VPT	4X150A			
	4X150A	S	VPT				
	4X150A	WL	VPT				
	4X150D	RCA	VPT			4X150D	
	4X150D	EM	VPT				
	4X150D	HY	VPT				
	4X150G	EM	VPT			4X150G	
	4X250F	RCA	VPT				
	4X250F	EM	VPT			7204/ 4X250F	
	4X500A	RCA	VPT			4X500A	
4X500A	EM	VPT	4X500A				
4X500A	WL	VPT	4X500A				
WL CE CE	5	HY	P	927 927			
	5(A-D)	CE	P				
	5-125B	RCA	VPT			4E278/001	
	5ABP1	RCA	CR			5ABP1	
	5ABP1	RK	CR			5ABP1	
	5ABP4	RCA	CR			5ABP7	
	5ABP7	RCA	CR				
	5ABP7	RK	CR				
	5ABP11	RCA	CR			5ABP11	
	5ABP11	RK	CR			5ABP11	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†	
Mfr. Prefix	Basic Designation	Mfr.	Tube Class			
	5ADP1	RCA	CR	5ADP1	5ABP7 5ABP11	
	5ADP1	D	CR			
	5ADP7	D	CR			
	5ADP11	D	CR			
	5AHP7	RCA	CR			5AHP7, 5AHP7-A
	5AHP7	D	CR			5AHP7, 5AHP7-A
	5AHP7	GE	CR			5AHP7, 5AHP7-A
	5AHP7	RK	CR			5AHP7, 5AHP7-A
	5AHP7	S	CR			5AHP7, 5AHP7-A
	5AHP7	S	CR			5AHP7, 5AHP7-A
	5AHP7-A	RCA	CR	5AHP7-A		
	5AHP7-A	D	CR			
	5AHP7-A	GE	CR			
	5AHP7-A	RK	CR			
	5AHP7-A	S	CR			
	5AHP7-A	GE	CR			5AHP7-A
	5AHP7-A	RCA	CR			
	5AHP7-A	D	CR			5AHP7-A
	5AHP7-A	GE	CR			
	5AHP7-A	S	CR			5AHP7-A
5AHP7-A	RCA	CR				
EL	5AHP14-A	GE	CR	5AHP14-A		
	5AUP24	RCA	CR			
	5AUP24	GE	CR			
	5AXP4	S	CR			
	5AYP4	RCA	CR			
	5AZP4	RCA	CR			5AZP4
	5AZP4	HY	CR			
	5BHD/ 4B23	EL	R			5BHD/ 4B23
	5BP1	RCA	CR			
	5BP1-A	RCA	CR			5BP1-A
GL	5BP1-A	D	CR	5BP1-A		
	5BP1-A	GE	CR			
	5BP1-A	S	CR			
EL	5BS/ 4B22	EL	R	5BS/ 4B22		
	5C21/ C6J	GE	T			
GL	5C21/ C6J	GE	T	C6J/ 5C21		
	5C22	A	T			

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†	
Mfr. Prefix	Basic Designation	Mfr.	Tube Class			
GL	5C22	BO	T	5C22	8000	
	5C22	S	T			
	5C22-A	S	T			
	5C24	GE	VPT			
	5CP1	RCA	CR			5CP1-A
	5CP1	D	CR			5CP1-A
	5CP1	TS	CR			5CP1-A
	5CP1-A	RCA	CR			5CP1-A
	5CP1-A	D	CR			5CP1-A
	GL	5CP1-A	GE			CR
5CP1-A		S	CR			
5CP1-A		TS	CR			
5CP7		RCA	CR	5CP7-A		
5CP7-A		RCA	CR	5CP7-A		
5CP7-A		D	CR	5CP7-A		
5CP7-A		GE	CR	5CP7-A		
5CP7-A		TS	CR	5CP7-A		
5CP7-A		S	CR	5CP7-A		
5CP7-A		TS	CR	5CP7-A		
PL	5CP11-A	RCA	CR	5CP11-A		
	5CP11-A	D	CR			
	5CP11-A	S	CR			
	5CP12	RCA	CR			5CP12
	5CP12	S	CR			5CP12
	5CP12	TS	CR			5CP12
	5D22	UE	VPT			4-250A/ 5D22
	5D22	PL	VPT			4-250A/ 5D22
	5D22	WL	VPT			4-250A/ 5D22
	5D22/ RK-65	RK	VPT			4-250A/ 5D22
WL	5D24	F	VPT	4-250A/ 5D22		
	5FP4-A	RCA	CR			5FP4-A
	5FP4-A	HY	CR			
	5FP7-A	RCA	CR			
	5FP7-A	GE	CR			
	5FP7-A	GE	CR			
	5FP7-A	RK	CR			
	5FP7-A	RK	CR			
	5FP7-A	RK	CR			
	5FP7-A	RK	CR			

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- GE = General Electric Co.

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- HK = Heinz and Kaufman
- HY = CBS-Hytron
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- PJ = Photojunction Cell
- R = Rectifier

- RT = Receiving Tube
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- ST = Storage Tube
- T = Thyatron
- TW = Traveling-Wave Tube
- VPT = Vacuum Power Tube

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Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	242C	GE	VPT	384 2050	8005
WT	245	WT	T		
WT	246	WT	T		
	248A	WE	VPT		
	249A	WE	R	866-A 866-A 866-A 866-A	
	249B	WE	R		
	249C	T	R		
	249C	WE	R		
WE	249C	WE	R	8000	
HF	250	A	VPT		
	250R	EM	VPT		
	250T	EM	VPT		
	250TH	EM	VPT	806 810 810 810	
DR	250TH	GES	VPT		
	250TH	A	VPT		
	250TL	EM	VPT		
HK	252	HK	R	217-C 217-C 810	
	253	EM	R		
HK	254	HK	VPT		
	254B	WE	VPT	865	
AX	255	A	T		
	255A	WE	R		
HF	255B	A	R		
	255B	WE	R	869-B 869-B 869-B	
HK	257(B)	HK	VPT		
FG	258A	GE	I		
HF	258B	A	R		
	258B	WE	R	866-A 866-A 866-A 860	
	258B	WE	R		
	258B	T	R		
	260A	WE	VPT		
WT	261	WT	RT	6H6 866-A 84/6Z4	
WT	262	WT	R		
WT	263	WT	R		
	266B	F	R		
	266B	WE	R	857-B 857-B 857-B 872-A	
GL	266B	GE	R		
	266C	WE	R		
HF	267B	A	R		

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
F	267B	F	R	872-A 872-A 801-A	
	267B	WE	R		
	268A	WE	PT		
WT	269	WT	G		
WT	270	WT	RT	0C3 80	
	270A	A	VPT		
HF	270A	A	VPT		
WT	270X	RT	RT		
	271	GE	I	5Z3 5551-A	
FG	271	GE	I		
	271A	WE	VPT		
WT	272	WT	T		
	274	WT	G	5557	
WT	274	WE	RIT		
	274A	WE	RIT		
HF	274B	A	VPT		
	279A	A	VPT	5R4-GY	
	279A	WE	VPT		
FG	280	GE	R		
T	282A	T	VPT		
	284A	WE	VPT	8000 845 845 845	
	284B	WE	VPT		
	284D	WE	VPT		
	284D	WE	VPT		
	284D	UE	VPT	845 835	
FP	285	GE	VPT		
WL	285	WL	VPT		
	287A	WE	T		
	289A	WE	R	5557	
WT	294	WT	G		
	295A	WE	VPT		
DR	300	GES	VPT		
HF	300	ML	VPT	0D3	
HF	300	A	VPT		
NU	300	NU	VPT		
WT	301	WT	R		
CE	302	CE	R	83	
	301A	WE	R		
WE	301A	WE	R		
UE	303A	UE	VPT		
	304A	WE	VPT	834	
	304A	UE	VPT		

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WE	304B	WE	VPT	872-A 872-A 801-A	
	304TH	EM	VPT		
CE	305	CE	T		
	306	CE	T		
	307A	F	VPT	207	
CE	307A	F	VPT		
WT	308	WE	VPT		
CE	309	CE	T		
	310	UE	VPT	6X5-GT 5557	
WE	310A	WE	VPT		
	310B	WE	VPT		
UE	311	UE	VPT		
CE	311	CE	T	3C23	
UE	311CH	UE	VPT		
	312A	WE	VPT		
	313C	WE	G		
	315A	F	R	8000 828 1C21 673 673	
F	315A	F	R		
	315A	WE	R		
	315A	WE	R		
	315A	A	R	673 673	
ML	315A	ML	R		
UE	317C	UE	R		
F	318A	F	R		
ML	319A	ML	R	217-C	
	319A	ML	R		
F	319A	F	R		
F	319A	WE	R		
	320B	F	VPT	872-A 872-A	
HF	321A	WE	R		
	321A	A	R		
	321A	A	R		
ML	321A	ML	R	673	
	322A	WE	VPT		
UE	323B	UE	T		
NL	323B	NE	T		
	323B	CH	T	803	
	323B	CH	T		
	323B	CH	T		
	323B	CH	T		
	327A	WE	VPT	810 810 6C6	
	327B	WE	VPT		
	328A	WE	RT		
	331A	WE	VPT		
	331A	WE	VPT	805	
	331A	WE	VPT		
	331A	WE	VPT		
	331A	WE	VPT		

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

KEY TO SYMBOLS IN COLUMN 3

- A = Amperex Electronic Corp.
- BEN = Bendix Aviation Corp.
- BO = Bomac Laboratories, Inc.
- CH = Chatham Electronics Division
- CE = Continental Electric Co. (Cetron)
- D = A. B. Dumont Laboratories, Inc.
- EE = Electronic Enterprises, Inc.
- EM = Eitel-McCullough, Inc. (Eimac)
- EL = Electrons, Inc.
- F = Federal Telephone and Radio Co.
- GE = General Electric Co.

- GES = General Electronics Co.
- GS = General Scientific Corp.
- HK = Heinz and Kaufman
- HY = CBS-Hytron
- IH = Induction Heating Corp.
- KU = Kuthe Laboratories
- ML = Machlett Laboratories, Inc.
- NAP = Philips Electron Tube Division
- NL = National Electronics, Inc.
- NU = National Union Electric Corp.
- PL = Penta Laboratories, Inc.

- R = Rauland Corporation
- RK = Raytheon Manufacturing Co.
- ROG = Rogers Electronic Tubes
- S = Sylvania Electric Products, Inc.
- STC = Standard Telephone and Cables
- T = Taylor Tubes, Inc.
- TS = Tung-Sol Electric, Inc.
- UE = United Electronics Co.
- WE = Western Electric Co.
- WL = Westinghouse Electric Corp.
- WT = Weltronic Co.

KEY TO SYMBOLS IN COLUMN 4

- CM = Camera Tube or Monoscope
- CR = Cathode-Ray Tube
- G = Glow Tube
- GA = Gauge Tube
- K = Klystron
- I = Ignitron

- IC = Image-Converter Tube
- M = Magnetron
- P = Phototube
- PC = Photoconductive Cell
- PJ = Photojunction Cell
- R = Rectifier

- RT = Receiving Tube
- RIT = Receiving-Type Industrial Tube
- ST = Storage Tube
- T = Thyatron
- TW = Traveling-Wave Tube
- VPT = Vacuum Power Tube

RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
	332A	WE	VPT		803
	339A	WE	VPT		807
	341A	WE	VPT		891-R
	341AA	WE	VPT		891-R
F	342A	F	VPT		
UE	342B	UE	VPT		8005
	343A	WE	VPT		
F	343A	A	VPT		
F	343A	F	VPT		892
F	346A	F	VPT		
	348A	WE	VPT		1620
	349A	WE	RT		
	350A	WE	VPT	807	6F6
	350B	WE	VPT		807
	351A	WE	RT		6X5-GT
	352A	WE	RT		6R7
	353A	F	R		872-A
HK	354-C	HK	VPT		806
HK	354-D	HK	VPT		806
HK	354-E	HK	VPT		806
HK	354-F	HK	VPT		806
ML	356	ML	VPT		5771
ML	356/5771	ML	VPT		5771
	356A	WE	VPT		807
	356B	WE	VPT		806
	357A	WE	VPT		833-A
F	357A	F	R		857-B
	357B	ML	VPT		833-A
	357B	WE	VPT		833-A
	359A	WE	G		1C21
F	363A	F	VPT		892
	366A	WE	R	866-A	
F	367A	F	R		673
F	369-B	F	R		869-B
	371-B	EE	R		8020
	371-B	UE	R		
F	375A	F	R		575-A
WT	377	WT	RT	117Z6-GT	
ML	381	ML	VPT	2C39-A	
UE	384D	UE	VPT		845
	384D	WE	VPT		845
WT	389	WT	RT	3Q5-GT	
WT	390	WF	RT	6C5	
	393A	WE	T		3C23
	393A	UE	T		3C23
NL	393A	NE	T		3C23
GL	393A	GE	T		3C23
CE	393A	CE	T		3C23
	394A	CH	T		627
	394A	WE	T		627
	395A	WE	G		5823
FJ	401	GE	P	1P29	
	403A	WE	RT	6AK5	
	403B	WE	RT		6AK5
FJ	405	GE	P		935
	407A	S	RIT		
	408A	S	RIT		
WE	408A	WE	RIT		6AK5
GL	411	GE	R		
WL	414	WL	T		
GL	415	GE	I	5550	
	418A	WE	VPT		

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
	421A	WE	VPT		6AS7-G
	423A	WE	G		5651
GL	427	GE	I		
WL	450	WL	VPT		833-A
F	450TH	F	VPT		833-A
	450TH	EM	VPT		833-A
	450TH	A	VPT		833-A
	450TL	EM	VPT		
GL	451	GE	R	8020	
	456	WL	R		
WL	460	WL	VPT		806
WL	463	WL	VPT		806
WL	468	WL	VPT		810
UE	468	UE	VPT		810
WL	471	WL	VPT		8005
WL	473	WL	VPT		5762/7C24
WL	481	WL	R		8013-A
	502-A	RCA	T	502-A	
GL	502-A	GE	T	502-A	
WL	502-A	WL	T	502-A	
RH	507	WE	GA		1949
GL	546	GE	T		5696
	559	RCA	VPT		
ZP	572	GE	VPT	2C39-A	
	575-A	RCA	R	575-A	
	575-A	A	R	575-A	
CE	575-A	CE	R	575-A	
	575-A	EE	R	575-A	
F	575-A	F	R	575-A	
GL	575-A	GE	R	575-A	
DR	575-A	GES	R	575-A	
	575-A	HY	R	575-A	
	575-A	ML	R	575-A	
	575-A	NU	R	575-A	
	575-A	S	R	575-A	
WL	575-A	WL	R	575-A	
UE	576	UE	R		
UE	577	UE	R		
WL	578	WL	R		8020
UE	578	UE	R		8020
	579-B	UE	R		
	579-B	RCA	R	579-B	
	579-B	S	R	579-B	
WL	579-B	WL	R	579-B	
GL	592	GE	VPT		
UE	596	UE	R		
NL	600	NL	R		
NL	602	NL	R		
NL	604	NL	R		
WT	606	WT	T	2D21	
NL	615	NL	R		5558
NL	618	NL	R		5561
	627	RCA	T	627	
	627	CE	T	627	
GL	627	GE	T	627	
KU	627	KU	T	627	
NL	627	NL	T	627	
	627	NU	T	627	
	627	S	T	627	
	627	WL	T	627	
KU	628	WL	T		5559
	629	RCA	T	629	
WL	629	WL	T	629	
WL	630	WL	T	2050	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WL	630A	WL	T	2050	
F	631	F	VPT		
WL	631	WL	T		5559
WL	632A	WL	T		632-B
	632-B	RCA	T		632-B
	632-B	S	T		632-B
WL	632-B	WL	T		632-B
KU	634	WL	T		677
NL	635	NL	R		5561
ML	649/5834	ML	R		
WL	651/656	WL	I		5552-A
WL	652/657	WL	I		5551-A
NL	653/5835	NL	R		
WL	653B	WL	I		5555
HK	654	HK	VPT		849
WL	655/658	WL	I		5553-B
	672	RCA	T		672-A
GL	672	GE	T		672-A
WL	672	WL	T		672-A
	672-A	RCA	T		672-A
GL	672-A	GE	T		672-A
	672-A	S	T		672-A
WL	672-A	WL	T		672-A
	673	RCA	R		673
F	673	A	R		673
	673	F	R		673
GL	673	GE	R		673
	673	HY	R		673
ML	673	ML	R		673
	673	S	R		673
	676	RCA	T		676
KU	676	WL	T		676
	677	RCA	T		677
WL	677	WL	T		677
	678	RCA	T		5563-A
	678	A	T		5563-A
GL	678	GE	T		5563-A
WL	678	WL	T		5563-A
WL	681/686	WL	I		5550
WT	699	WT	I		5550
NL	710	NL	T		676
NL	714	NL	T		5557
NL	715/5557	NL	T		5557
RK	715-C	RK	VPT		
DR	715-C	GES	VPT		
ML	728	ML	T		5557
WL	734	WL	P		917
WL	735	WL	P		868
WL	739	WL	P		927
WL	741	WL	P		923
	750TL	EM	VPT		
T	756	T	VPT		809
WL	759	WL	T		
WL	762	WL	GA		1947
WL	767	WL	P		935
WL	773	WL	P		935
WL	775	WL	P		935
WL	787	WL	VPT		
	800	RCA	VPT		800
GL	800	GE	VPT		800
	801	RCA	VPT		801-A
	801-A	RCA	VPT		801-A
	801-A	A	VPT		801-A
GL	801-A	GE	VPT		801-A

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

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RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
DR	801-A	GES	VPT	801-A	
	801-A	HY	VPT	801-A	
	801-A	NU	VPT	801-A	
WL	801-A	S	VPT	801-A	
	801-A	WL	VPT	801-A	
	801-A/801	S	VPT	801-A	
	801-A/801	HY	VPT	801-A	
	802	RCA	VPT	802	
	802	A	VPT	802	
	802	GE	VPT	802	
DR	802	GES	VPT	802	
	802	HY	VPT	802	
	802	NU	VPT	802	
WL	802	WL	VPT	802	
	803	RCA	VPT	803	
	803	A	VPT	803	
GL	803	GE	VPT	803	
DR	803	GES	VPT	803	
	803	NU	VPT	803	
	803	T	VPT	803	
WL	803	WL	VPT	803	
	804	RCA	VPT	804	
DR	804	GES	VPT	804	
	804	NU	VPT	804	
	804	S	VPT	804	
	805	RCA	VPT	805	
	805	A	VPT	805	
GL	805	GE	VPT	805	
DR	805	GES	VPT	805	
	805	HY	VPT	805	
ML	805	ML	VPT	805	
	805	NU	VPT	805	
	805	S	VPT	805	
	805	T	VPT	805	
UE	805	UE	VPT	805	
WL	805	WL	VPT	805	
	806	RCA	VPT	806	
	806	A	VPT	806	
GL	806	GE	VPT	806	
DR	806	GES	VPT	806	
WL	806	WL	VPT	806	
	807	RCA	VPT	807	
	807	A	VPT	807	
GL	807	GE	VPT	807	
DR	807	GES	VPT	807	
	807	HY	VPT	807	
	807	NU	VPT	807	
RK	807	RK	VPT	807	
	807	S	VPT	807	
	807	TS	VPT	807	
WL	807	WL	VPT	807	
	808	RCA	VPT	808	
EE	808	EE	VPT	808	
DR	808	GES	VPT	808	
	808	NU	VPT	808	
	808	S	VPT	808	
WL	808	WL	VPT	808	
	809	RCA	VPT	809	
GL	809	GE	VPT	809	
DR	809	GES	VPT	809	
	809	HY	VPT	809	
	809	NU	VPT	809	
	809	S	VPT	809	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WL	809	WL	VPT	809	
	810	RCA	VPT	810	
	810	A	VPT	810	
GL	810	GE	VPT	810	
DR	810	GES	VPT	810	
	810	HY	VPT	810	
ML	810	ML	VPT	810	
	810	NU	VPT	810	
	810	S	VPT	810	
	810	T	VPT	810	
UE	810	UE	VPT	810	
WL	810	WL	VPT	810	
	811	RCA	VPT	811-A	
	811	A	VPT	811-A	
GL	811	GE	VPT	811-A	
DR	811	GES	VPT	811-A	
	811	NU	VPT	811-A	
	811	S	VPT	811-A	
WL	811	WL	VPT	811-A	
	811-A	RCA	VPT	811-A	
GL	811-A	GE	VPT	811-A	
	811-A	HY	VPT	811-A	
RK	811-A	RK	VPT	811-A	
	811-A	S	VPT	811-A	
WL	811-A	WL	VPT	811-A	
	812	RCA	VPT	812-A	
	812	A	VPT	812-A	
GL	812	GE	VPT	812-A	
DR	812	GES	VPT	812-A	
	812	NU	VPT	812-A	
	812	S	VPT	812-A	
WL	812	WL	VPT	812-A	
GL	812-A	RCA	VPT	812-A	
	812-A	GE	VPT	812-A	
RK	812-A	RK	VPT	812-A	
	812-A	S	VPT	812-A	
WL	812-A	WL	VPT	812-A	
UE	812-H	UE	VPT	812-A	
	813	RCA	VPT	813	8005
	813	A	VPT	813	
GL	813	GE	VPT	813	
DR	813	GES	VPT	813	
	813	HY	VPT	813	
ML	813	ML	VPT	813	
	813	NU	VPT	813	
RK	813	RK	VPT	813	
	813	S	VPT	813	
	813	T	VPT	813	
UE	813	UE	VPT	813	
WL	813	WL	VPT	813	
	814	RCA	VPT	814	
GL	814	GE	VPT	814	
DR	814	GES	VPT	814	
	814	HY	VPT	814	
ML	814	ML	VPT	814	
	814	NU	VPT	814	
RK	814	RK	VPT	814	
	814	WL	VPT	814	
RK	814/814	RK	VPT	814	
	815	RCA	VPT	815	
GL	815	GE	VPT	815	
DR	815	GES	VPT	815	
	815	HY	VPT	815	
	815	NU	VPT	815	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WL	815	S	VPT	815	
	815	WL	VPT	815	
	816	RCA	R	816	
	816	A	R	816	
GL	816	GE	R	816	
DR	816	GES	R	816	
	816	HY	R	816	
	816	NU	R	816	
RK	816	RK	R	816	
	816	S	R	816	
WL	816	WL	R	816	
T	822	T	VPT	826	810
	826	RCA	VPT	826	
GL	826	GE	VPT	826	
DR	826	GES	VPT	826	
	826	HY	VPT	826	
ML	826	ML	VPT	826	
	826	NU	VPT	826	
WL	826	WL	VPT	826	
	827-R	RCA	VPT	827-R	
	828	RCA	VPT	828	
	828	A	VPT	828	
GL	828	GE	VPT	828	
DR	828	GES	VPT	828	
ML	828	ML	VPT	828	
	828	NU	VPT	828	
WL	828	WL	VPT	828	
	829	RCA	VPT	829-B	
	829-A	RCA	VPT	829-B	
	829-B	RCA	VPT	829-B	
	829-B	A	VPT	829-B	
GL	829-B	GE	VPT	829-B	
DR	829-B	GES	VPT	829-B	
	829-B	HY	VPT	829-B	
ML	829-B	ML	VPT	829-B	
	829-B	NU	VPT	829-B	
RK	829-B	RK	VPT	829-B	
	829-B	S	VPT	829-B	
	829-B	T	VPT	829-B	
WL	829-B	WL	VPT	829-B	
UE	830	UE	VPT	830-B	
	830-B	RCA	VPT	830-B	
	830-B	A	VPT	830-B	
GL	830-B	GE	VPT	830-B	
	830-B	NU	VPT	830-B	
	830-B	T	VPT	830-B	
UE	830-B	UE	VPT	830-B	
	832	RCA	VPT	832-A	
	832-A	RCA	VPT	832-A	
	832-A	A	VPT	832-A	
GL	832-A	GE	VPT	832-A	
DR	832-A	GES	VPT	832-A	
	832-A	HY	VPT	832-A	
ML	832-A	ML	VPT	832-A	
	832-A	NU	VPT	832-A	
RK	832-A	RK	VPT	832-A	
	832-A	S	VPT	832-A	
	832-A	T	VPT	832-A	
WL	832-A	WL	VPT	832-A	
	833	RCA	VPT	833-A	
	833-A	RCA	VPT	833-A	
	833-A	A	VPT	833-A	
GL	833-A	GE	VPT	833-A	
DR	833-A	GES	VPT	833-A	

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RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
	833-A	HY	VPT	833-A	
ML	833-A	ML	VPT	833-A	
	833-A	T	VPT	833-A	
UE	833-A	UE	VPT	833-A	
WL	833-A	WL	VPT	833-A	
	834	RCA	VPT	834	
	834	A	VPT	834	
DR	834	GES	VPT	834	
	834	NU	VPT	834	
UE	834	UE	VPT	834	
	835	A	VPT		
GL	835	GE	VPT		
	836	RCA	R	836	
	836	A	R	836	
EE	836	EE	R	836	
GL	836	GE	R	836	
DR	836	GES	R	836	
	836	NU	R	836	
WL	836	WL	R	836	
	837	RCA	VPT	837	
	837	A	VPT	837	
GL	837	GE	VPT	837	
DR	837	GES	VPT	837	
	837	HY	VPT	837	
	837	NU	VPT	837	
RK	837	RK	VPT	837	
	837	S	VPT	837	
WL	837	WL	VPT	837	
	838	RCA	VPT	838	
	838	A	VPT	838	
GL	838	GE	VPT	838	
DR	838	GES	VPT	838	
	838	HY	VPT	838	
	838	NU	VPT	838	
T	838	T	VPT	838	
UE	838	UE	VPT	838	
WL	838	WL	VPT	838	
	841	RCA	VPT	841	
	841	A	VPT	841	
	841	HY	VPT	841	
	842	A	VPT		
GL	842	GE	VPT		
	843	A	VPT		
GL	843	GE	VPT		
	843	NU	VPT		
	845	RCA	VPT	845	
	845	A	VPT	845	
GL	845	GE	VPT	845	
	845	HY	VPT	845	
	845	NU	VPT	845	
T	845	T	VPT	845	
UE	845	UE	VPT	845	
WL	845	WL	VPT	845	
	846	A	VPT		
GL	846	GE	VPT		
UE	846	UE	VPT		
	849	F	VPT		
	849	A	VPT		
GL	849	GE	VPT		
ML	849	ML	VPT		
WL	849	WL	VPT		
	851	A	VPT		
WL	851	WL	VPT		
GL	851	GE	VPT		

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
DR	851	GES	VPT		
UE	851	UE	VPT		
HK	854H	HK	VPT		833-A
	857	RCA	R	857-B	
	857-B	RCA	R	857-B	
	857-B	A	R	857-B	
F	857-B	F	R	857-B	
GL	857-B	GE	R	857-B	
DR	857-B	GES	R	857-B	
ML	857-B	ML	R	857-B	
WL	857-B	WL	R	857-B	
	858	F	VPT		
	858	A	VPT		
GL	858	GE	VPT		
	859	A	VPT		
	860	RCA	VPT	860	893-A
UE	860	UE	VPT	860	
WL	860	WL	VPT	860	
	861	RCA	VPT	861	
DR	861	GES	VPT	861	
WL	861	WL	VPT	861	
F	862-A	F	VPT		
WL	862-A	WL	VPT		
GL	862-A	GE	VPT		
	865	RCA	VPT	865	
	865	NU	VPT	865	
	866	RCA	R	866-A	
	866-A	RCA	R	866-A	
HF	866-A	A	R	866-A	
	866-A	CE	R	866-A	
	866-A	CH	R	866-A	
EE	866-A	EE	R	866-A	
	866-A	EM	R	866-A	
GL	866-A	GE	R	866-A	
DR	866-A	GES	R	866-A	
ML	866-A	ML	R	866-A	
	866-A	NU	R	866-A	
	866-A	RK	R	866-A	
	866-A	S	R	866-A	
	866-A	T	R	866-A	
UE	866-A	UE	R	866-A	
WL	866-A	WL	R	866-A	
	866-A/866	RCA	R	866-A	
	866-A/866	HY	R	866-A	
	866-AX	A	R		866-A
	866-JR	T	R		816
	866-JR	NU	R		816
	868	RCA	P	868	
GL	868	GE	P	868	
WL	868	WL	P	868	
	869-A	RCA	R	869-B	
	869-B	RCA	R	869-B	
	869-B	A	R	869-B	
	869-B	F	R	869-B	
F	869-B	F	R	869-B	
GL	869-B	GE	R	869-B	
DR	869-B	GES	R	869-B	
	869-B	HY	R	869-B	
	869-B	ML	R	869-B	
	869-B	S	R	869-B	
	869-B	WL	R	869-B	
WL	869-B	RCA	R	872-A	
	872	T	R	872-A	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
UE	872	UE	R	872-A	
	872-A	RCA	R	872-A	
	872-A	CE	R	872-A	
EE	872-A	EE	R	872-A	
	872-A	EM	R	872-A	
F	872-A	F	R	872-A	
GL	872-A	GE	R	872-A	
DR	872-A	GES	R	872-A	
	872-A	HY	R	872-A	
ML	872-A	ML	R	872-A	
	872-A	NU	R	872-A	
RK	872-A	RK	R	872-A	
	872-A	S	R	872-A	
	872-A	T	R	872-A	
UE	872-A	UE	R	872-A	
	872-A/872	RCA	R	872-A	
ML	872-A/872	ML	R	872-A	
WL	872-A/872	WL	R	872-A	
F	872-B	F	R		872-A
DR	873	GES	R		872-A
EE	873	EE	T		
GL	874	GE	R		
T	875-A	T	R	575-A	
	878	RCA	R	878	
DR	878	GES	R	878	
UE	878	UE	R	878	
	879	RCA	R	2X2-A	
	880	RCA	VPT	880	
	880	A	VPT	880	
F	880	F	VPT	880	
GL	880	GE	VPT	880	
ML	880	ML	VPT	880	
	880	S	VPT	880	
UE	880	UE	VPT	880	
WL	880	WL	VPT	880	
	884	RCA	T	884	
	884	A	T	884	
	884	CH	T	884	
GL	884	GE	T	884	
DR	884	GES	T	884	
	884	HY	T	884	
	884	NU	T	884	
RX	884	RK	T	884	
	884	S	T	884	
WL	884	WL	T	884	
	885	RCA	T	885	
	885	A	T	885	
	885	CH	T	885	
GL	885	GE	T	885	
DR	885	GES	T	885	
	885	NU	T	885	
RX	885	RK	T	885	
	885	S	T	885	
WL	885	WL	T	885	
	889	RCA	VPT	889-A	
	889-A	RCA	VPT	889-A	
	889-A	A	VPT	889-A	
F	889-A	F	VPT	889-A	
GL	889-A	GE	VPT	889-A	
ML	889-A	ML	VPT	889-A	
UE	889-A	UE	VPT	889-A	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WL	889-A	WL	VPT	889-A	
	889R	RCA	VPT	889R-A	
	889R-A	RCA	VPT	889R-A	
F	889R-A	A	VPT	889R-A	
	889R-A	F	VPT	889R-A	
	889R-A	GE	VPT	889R-A	
ML	889R-A	ML	VPT	889R-A	
UE	889R-A	UE	VPT	889R-A	
WL	889R-A	WL	VPT	889R-A	
	891	RCA	VPT	891	
	891	A	VPT	891	
F	891	F	VPT	891	
	891	GE	VPT	891	
DR	891	GES	VPT	891	
	891	ML	VPT	891	
ML	891	S	VPT	891	
	891	UE	VPT	891	
WL	891	WL	VPT	891	
F	891-R	RCA	VPT	891-R	
	891-R	A	VPT	891-R	
	891-R	F	VPT	891-R	
GL	891-R	GE	VPT	891-R	
DR	891-R	GES	VPT	891-R	
ML	891-R	ML	VPT	891-R	
	891-R	S	VPT	891-R	
	891-R	UE	VPT	891-R	
WL	891-R	WL	VPT	891-R	
F	892	A	VPT	892	
	892	F	VPT	892	
	892	GE	VPT	892	
DR	892	GES	VPT	892	
ML	892	ML	VPT	892	
UE	892	UE	VPT	892	
	892	WL	VPT	892	
	892-R	RCA	VPT	892-R	
WL	892-R	A	VPT	892-R	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
F	892-R	F	VPT	892-R	
	892-R	GE	VPT	892-R	
GL	892-R	GES	VPT	892-R	
DR	892-R	ML	VPT	892-R	
ML	892-R	S	VPT	892-R	
UE	892-R	UE	VPT	892-R	
WL	892-R	WL	VPT	892-R	
	893	RCA	VPT	893-A	
	893-A	RCA	VPT	893-A	
F	893-A	A	VPT	893-A	
	893-A	F	VPT	893-A	
GL	893-A	GE	VPT	893-A	
ML	893-A	ML	VPT	893-A	
UE	893-A	S	VPT	893-A	
	893-A	UE	VPT	893-A	
WL	893-A	WL	VPT	893-A	
F	893A-R	RCA	VPT	893A-R	
	893A-R	A	VPT	893A-R	
	893A-R	F	VPT	893A-R	
GL	893A-R	GE	VPT	893A-R	
ML	893A-R	ML	VPT	893A-R	
WL	893A-R	S	VPT	893A-R	
	893A-R	WL	VPT	893A-R	
	895	GE	VPT	895	
ML	895	ML	VPT	895	
WL	895	WL	VPT	895	
GL	895-R	A	VPT	895-R	
	895-R	A	VPT	895-R	
	895-R	GE	VPT	895-R	
ML	895-R	ML	VPT	895-R	
WL	895-R	WL	VPT	895-R	
F	898-A	RCA	VPT	898-A	
	898-A	A	VPT	898-A	
	898-A	F	VPT	898-A	
902	902	RCA	CR	902-A	
	902-A	RCA	CR	902-A	
UE	905	UE	VPT	805	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	906-P1	RCA	CR	3API-A	
	908	RCA	CR	908-A	
	908-A	RCA	CR	908-A	
	914-A	GE	CR		
GL	917	RCA	P	917	
	917	GE	P	917	
	917	HY	P	917	
	917	WL	P	917	
WL	918	RCA	P	918	
	918	GE	P	918	
GL	918	HY	P	918	
	918	WL	P	918	
WL	919	RCA	P	919	
	919	GE	P	919	
WL	919	HY	P	919	
	919	WL	P	919	
	920	RCA	P	920	
	920	GE	P	920	
GL	920	HY	P	920	
	920	S	P	920	
WL	920	WL	P	920	
	921	RCA	P	921	
GL	921	GE	P	921	
	921	HY	P	921	
WL	921	WL	P	921	
	922	RCA	P	922	
GL	922	GE	P	922	
	922	HY	P	922	
WL	922	S	P	922	
	922	WL	P	922	
GL	923	RCA	P	923	
	923	GE	P	923	
WL	923	HY	P	923	
	923	WL	P	923	
WL	924	RCA	P	924	
	924	WL	P	924	
	925	RCA	P	925	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

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† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

KEY TO SYMBOLS IN COLUMN 3

- A = Amperex Electronic Corp.
- BEN = Bendix Aviation Corp.
- BO = Bomac Laboratories, Inc.
- CH = Chatham Electronics Division
- CE = Continental Electric Co. (Cetron)
- D = A. B. Dumont Laboratories, Inc.
- EE = Electronic Enterprises, Inc.
- EM = Eitel-McCullough, Inc. (Eimac)
- EL = Electrons, Inc.
- F = Federal Telephone and Radio Co.
- GE = General Electric Co.

- GES = General Electronics Co.
- GS = General Scientific Corp.
- HK = Heinz and Kaufman
- HY = CBS-Hytron
- IH = Induction Heating Corp.
- KU = Kuthe Laboratories
- ML = Machlett Laboratories, Inc.
- NAP = Philips Electron Tube Division
- NL = National Electronics, Inc.
- NU = National Union Electric Corp.
- PL = Penta Laboratories, Inc.

- R = Rauland Corporation
- RK = Raytheon Manufacturing Co.
- ROG = Rogers Electronic Tubes
- S = Sylvania Electric Products, Inc.
- STC = Standard Telephone and Cables
- T = Taylor Tubes, Inc.
- TS = Tung-Sol Electric, Inc.
- UE = United Electronics Co.
- WE = Western Electric Co.
- WL = Westinghouse Electric Corp.
- WT = Weltronic Co.

KEY TO SYMBOLS IN COLUMN 4

- CM = Camera Tube or Monoscope
- CR = Cathode-Ray Tube
- G = Glow Tube
- GA = Gauge Tube
- K = Klystron
- I = Ignitron

- IC = Image-Converter Tube
- M = Magnetron
- P = Phototube
- PC = Photoconductive Cell
- PJ = Photojunction Cell
- R = Rectifier

- RT = Receiving Tube
- RIT = Receiving-Type Industrial Tube
- ST = Storage Tube
- T = Thyatron
- TW = Traveling-Wave Tube
- VPT = Vacuum Power Tube

RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WL	925	WL	P	925	
WL	926	RCA	P	926	
WL	926	WL	P	926	
GL	927	RCA	P	927	
GL	927	GE	P	927	
WL	927	HY	P	927	
WL	927	WL	P	927	
WL	928	RCA	P	928	
WL	928	WL	P	928	
GL	929	RCA	P	929	
GL	929	GE	P	929	
GL	929	HY	P	929	
WL	929	S	P	929	
WL	929	WL	P	929	
GL	930	RCA	P	930	
GL	930	GE	P	930	
GL	930	HY	P	930	
WL	930	WL	P	930	
UE	930	UE	VPT	830-B	
UE	930-B	UE	VPT	830-B	
UE	931	RCA	P	931-A	
UE	931-A	RCA	P	931-A	
GL	931-A	GE	P	931-A	
GL	931-A	HY	P	931-A	
WL	931-A	S	P	931-A	
WL	931-A	WL	P	931-A	
WL	931-VA	RCA	P	931-VA	
GL	934	RCA	P	934	
GL	934	HY	P	934	
GL	935	RCA	P	935	
GL	935	GE	P	935	
UE	938	UE	VPT	838	
UE	945	UE	VPT	845	
GL	954	RCA	RIT	954	
GL	954	GE	RIT	954	
GL	954	HY	RIT	954	
GL	954	RK	RIT	954	
GL	954	S	RIT	954	
GL	954	TS	RIT	954	
GL	955	RCA	RIT	955	
GL	955	GE	RIT	955	
GL	955	HY	RIT	955	
GL	955	NU	RIT	955	
GL	955	RK	RIT	955	
GL	955	S	RIT	955	
GL	955	TS	RIT	955	
GL	956	RCA	RIT	956	
GL	956	GE	RIT	956	
GL	956	RK	RIT	956	
GL	956	S	RIT	956	
GL	956	TS	RIT	956	
GL	957	RCA	RIT	957	
GL	957	GE	RIT	957	
GL	957	RK	RIT	957	
GL	958-A	RCA	RIT	958-A	
GL	959	RCA	RIT	959	
GL	959	GE	RIT	959	
UE	966	UE	R	866-A	
UE	966-A	UE	R	866-A	
UE	967	UE	T	5557	
UE	967	NU	T	5557	
UE	972	UE	R	872-A	
UE	972-A	UE	R	872-A	
UE	973	UE	T		5559

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
UE	975-A	UE	R	575-A	575-A
UE	975-A	NU	R	575-A	575-A
UE	991	RCA	G	991	
WL	1000T	WL	VPT		
WL	1000T	EM	VPT		
NL	1001	NL	I		5550
NL	1005	NL	I		5551-A
NL	1051	NL	I	5551-A	
NL	1052	NL	I	5551-A	
NL	1053	NL	I	5553-B	
R	1111	S	GA		1947
R	1111-M	S	GA		1947
E	1148	HY	VPT		
VC	1230	S	RT		30
VC	1237	S	R		
VC	1258	CH	T		6130/ 3C45
GL	1266	S	G		5823
GL	1267	S	RT		2A3
GL	1280	S	RT		14C7
GL	1603	TS	RT		1620 or 5879
GL	1603	GE	RT		1620 or 5879
GL	1609	RCA	VPT	1609	
GL	1611	RCA	RIT	1611	
GL	1612	RCA	VPT	1612	
GL	1612	GE	VPT	1612	
GL	1612	S	VPT	1612	
GL	1613	RCA	VPT	1613	
GL	1613	GE	VPT	1613	
GL	1614	RCA	VPT	1614	
GL	1614	GE	VPT	1614	
GL	1614	HY	VPT	1614	
GL	1616	RCA	R	1616	
GL	1616	A	R	1616	
GL	1616	GE	R	1616	
DR	1616	GES	R	1616	
DR	1616	HY	R	1616	
DR	1616	NU	R	1616	
DR	1616	S	R	1616	
GL	1619	RCA	VPT	1619	
GL	1619	GE	VPT	1619	
GL	1619	NU	VPT	1619	
GL	1620	RCA	VPT	1620	
GL	1620	GE	VPT	1620	
GL	1620	HY	VPT	1620	
GL	1620	NU	VPT	1620	
GL	1620	TS	VPT	1620	
GL	1621	RCA	VPT	1621	
GL	1621	GE	VPT	1621	
GL	1621	HY	VPT	1621	
GL	1621	NU	VPT	1621	
GL	1622	RCA	VPT	1622	
GL	1622	GE	VPT	1622	
GL	1622	HY	VPT	1622	
GL	1622	NU	VPT	1622	
GL	1623	RCA	VPT	1623	
GL	1623	GE	VPT	1623	
WL	1623	WL	VPT	1623	
WL	1624	RCA	VPT	1624	
GL	1624	GE	VPT	1624	
GL	1624	HY	VPT	1624	
GL	1624	NU	VPT	1624	
GL	1624	S	VPT	1624	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	1625	RCA	VPT	1625	
DR	1625	A	VPT	1625	
DR	1625	GE	VPT	1625	
DR	1625	GES	VPT	1625	
DR	1625	HY	VPT	1625	
DR	1625	NU	VPT	1625	
RK	1625	RK	VPT	1625	
RK	1625	S	VPT	1625	
RK	1625	TS	VPT	1625	
RK	1626	RCA	VPT	1626	
RK	1626	A	VPT	1626	
GL	1626	HY	VPT	1626	
GL	1626	S	VPT	1626	
GL	1626	TS	VPT	1626	
GL	1629	RCA	RIT	1629	
GL	1629	GE	RIT	1629	
GL	1629	S	RIT	1629	
GL	1629	TS	RIT	1629	
GL	1631	RCA	VPT	1631	
GL	1632	RCA	VPT	1632	
GL	1633	GE	VPT	1632	
GL	1635	RCA	VPT	1635	
GL	1640	RCA	P	6405/ 1640	
GL	1654	RCA	R		1X2-A
GL	1699	RCA	CM	1699	
GL	1701	A	T	5557	
GL	1702	A	T		5563-A
GL	1754	KU	T		
GL	1802-P1	RCA	CR	5BP1-A	
GL	1811-P1	RCA	CR	7CP1	
GL	1816-P4	RCA	CR		10FP4-A
GL	1816-P4A	RCA	CR		10FP4-A
GL	1818-P1	RCA	CR	1818-P1	
GL	1818-P11	RCA	CR	1818-P11	
GL	1818-P27	RCA	CR	1818-P27	
GL	1849	RCA	CM	1850-A	
GL	1850	RCA	CM	1850-A	
GL	1850-A	GE	CM	1850-A	
GL	1850-A	GE	CM	1850-A	
GL	1852	RCA	RT	6AC7	
GL	1853	RCA	RT	6AB7	
GL	1854	RCA	CM	6474	
GL	1855	RCA	CM	6896/ 1855	
GL	1899	RCA	CM		2F21
GL	1907	KU	T		
GL	1946	S	T		
GL	1947	RCA	GA	1946	
GL	1949	RCA	GA	1949	
GL	1950	RCA	GA	1950	
GL	2020	RCA	P	2020	
GL	2022	RCA	P	2022	
GL	2029	RCA	VPT	2029	
GL	2050	RCA	T	2050	
GL	2050	A	T	2050	
GL	2050	CH	T	2050	
GL	2050	GE	T	2050	
GL	2050	HY	T	2050	
GL	2050	NU	T	2050	
GL	2050	RK	T	2050	
GL	2050	S	T	2050	
GL	2050	WL	T	2050	
GL	2051	RCA	T	2050	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

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RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	2051	A	T	2050	
	2051	CH	T	2050	
	2051	GE	T	2050	
	2051	NU	T	2050	
	2051	RK	T	2050	
	2051	S	T	2050	
	2039	RCA	VPT	2039	
	2525A5	D	CR	5BP1-A	
	3000	A	VPT		
	3200	A	VPT		
HF ZB	4009	RCA	TW	4009	
	4010	RCA	TW	4010	
F	4011	RCA	TW	4011A	
	4011A	RCA	TW	4011A	
	5303	F	VPT		
	5331	A	VPT		
	5332	A	VPT		
CK	5514	HY	VPT	830-B	
	5516	HY	VPT	830-B	
ML	5517/CK-1013	RK	R	811-A	
	5527	RCA	CM	2E24	
ML	5528	CE	T		
	5530	ML	VPT	5762/7C24	
ML GL GL	5541	ML	VPT		
	5544	GE	T		
GL	5545	GE	T		
	5550	RCA	I	5550	
	5550	A	I	5550	
	5550	NL	I	5550	
	5550/	GE	I	5550	
	GL-415				
	5550/681	A	I	5550	
	5550/681	S	I	5550	
	5550/681/686	WL	I	5550	
	5551	RCA	I	5551-A	
AX	5551	NL	I	5551-A	
	5551/652	A	I	5551-A	
WL GL	5551/652	WL	I	5551-A	
	5551/	GE	I	5551-A	
GL	FG-271				
	5551-A	RCA	I	5551-A	
	5551-A	A	I	5551-A	
WL	5551-A/652	GE	I	5551-A	
	5551-A/652	S	I	5551-A	
GL	5552	RCA	I	5552-A	
	5552	A	I	5552-A	
AX	5552	GE	I	5552-A	
	5552/651	A	I	5552-A	
WL GL	5552/651	S	I	5552-A	
	5552/651	WL	I	5552-A	
GL	5552/	GE	I	5552-A	
	FG-235A				
AX	5552-A	RCA	I	5552-A	
	5553	RCA	I	5553-B	
WL GL	5553/655	A	I	5553-B	
	5553/655	GE	I	5553-B	
GL	5553/655	WL	I	5553-B	
	5553/	GE	I	5553-B	
GL	FG-258A				
	5553	RCA	I	5553-B	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	5553-A	RCA	I	5553-B	
	5553-A	GE	I	5553-B	
	5553-B	RCA	I	5553-B	
	5553-B	A	I	5553-B	
	5553-B	GE	I	5553-B	
	5553-B/655	S	I	5553-B	
	5553-B/655	WL	I	5553-B	
	5554/679	WL	I		
	5554/	GE	I		
	FG-259B				
WL	5555	RCA	I	5555	
	5555	GE	I	5555	
AX	5555	S	I	5555	
	5555/	A	I	5555	
WL	5555/653-B	WL	I	5555	
	5555/653B	WL	I	5555	
GL	5555/	GE	I	5555	
	FG-238B				
GL	5556	RCA	VPT	5556	
	5556	GE	VPT	5556	
GL	5556/PJ-8	GE	VPT	5556	
	5557	RCA	T	5557	
WL	5557	CE	T	5557	
	5557	S	T	5557	
GL	5557/17	WL	T	5557	
	5557/715	NL	T	5557	
AX	5557/	GE	T	5557	
	FG-17				
GL	5557/	A	T	5557	
	FG-17/1701				
GL	5558	RCA	R	5558	
	5558	GE	R	5558	
WL	5558/32	WL	R	5558	
	5558/	GL	R	5558	
GL	FG-32				
	5559	RCA	T	5559	
GL	5559	A	T	5559	
	5559	GE	T	5559	
WL	5559	S	T	5559	
	5559/57	WL	T	5559	
GL	5559/	GE	T	5559	
	FG-57				
GL	5560	RCA	T	5560	
	5560	S	T	5560	
GL	5560/	A	T	5560	
	FG-95				
GL	5560/	GE	T	5560	
	FG-95				
GL	5561	HY	T	5560	
	5561	RCA	R	5561	
WL	5561	GE	R	5561	
	5561/104	WL	R	5561	
GL	5561/	GE	R	5561	
	FG-104				
F	5561/	HY	R	5561	
	FG-104				
GL	5563	RCA	T	5563-A	
	5563	F	T	5563-A	
GL	5563-A	RCA	T	5563-A	
	5581	RCA	P	5581	
GL	5581	GE	P	5581	
	5581	HY	P	5581	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WL	5581	WL	P	5581	
	5582	RCA	P	5582	
	5583	RCA	P	5583	
	5583	HY	P	5583	
GL ML	5584	RCA	P	5584	
	5588	RCA	VPT	5588	
	5588	GE	VPT	5588	
	5588	ML	VPT	5588	
	5590/401B	WE	RIT		
GL	5591/403B	WE	RIT	5654	
	5592	RCA	VPT		
ML	5592	ML	VPT		
	5593	GE	R		
GL	5604	A	VPT	5604-A	
	5604	F	VPT	5604-A	
ML	5604	ML	VPT	5604-A	
	5604	WL	VPT	5604-A	
ML	5604-A	RCA	VPT	5604-A	
	5606	ML	VPT		
F	5606	ML	VPT	892	
	5606	F	VPT	892	
GL	5618	RCA	VPT	5618	
	5619	A	VPT		
GL	5619	F	VPT		
	5632	GE	T	C3J/5632	
GL	5632/C3J	GE	T	C3J/5632	
	5636	RCA	RIT	5636	
GL	5636	GE	RIT	5636	
	5636	S	RIT	5636	
GL	5636	TS	RIT	5636	
	5636-A	RCA	RIT	5636	
CK	5636-A	S	RIT	5636	
	5636-A	TS	RIT	5636	
CK	5639	RCA	RIT	5639	
	5639	RK	RIT	5639	
CK	5639	S	RIT	5639	
	5642	TS	RIT	5639	
CK	5642	RCA	R	5642	
	5642	GE	R	5642	
CK	5642	HK	R	5642	
	5642	S	R	5642	
CK	5643	RK	T	5642	
	5651	RCA	G	5651	
GL	5651	A	G	5651	
	5651	CH	G	5651	
CK	5651	GE	G	5651	
	5651	HY	G	5651	
GL	5651	RK	G	5651	
	5651	S	G	5651	
GL	5651	TS	G	5651	
	5651	UE	G	5651	
GL	5651-WA	RCA	G	5651-WA	
	5651-WA	CH	G	5651-WA	
GL	5651-WA	RK	G	5651-WA	
	5651-WA	UE	G	5651-WA	
GL	5652	RCA	P	5652	
	5653	RCA	P	5653	
GL	5653	HY	P	5653	
	5653	S	P	5653	
GL	5654	RCA	RIT	5654	
	5654	GE	RIT	5654	
CK	5654	HY	RIT	5654	
	5654	RK	RIT	5654	
CK	5654	S	RIT	5654	
	5654	S	RIT	5654	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

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RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
	5654	TS	RIT	5654	
GL	5654	NAP	RIT	5654	
	5654/6AK5-W	RCA	RIT	5654/6AK5-W	
	5654/6AK5-W	GE	RIT	5654/6AK5-W	
	5654/6AK5-W	HY	RIT	5654/6AK5-W	
	5654/6AK5-W	RK	RIT	5654/6AK5-W	
	5654/6AK5-W	TS	RIT	5654/6AK5-W	
	5654/6AK5-W	S	RIT	5654/6AK5-W	
	5654/6AK5-W	RCA	RIT	5654/6AK5-W	
	5654/6AK5-W/6096	GE	RIT	5654/6AK5-W/6096	
	5654/6AK5-W/6096	HY	RIT	5654/6AK5-W/6096	
GL	5654/6AK5-W/6096	S	RIT	5654/6AK5-W/6096	
	5654/6AK5-W/6096	TS	RIT	5654/6AK5-W/6096	
	5658	A	VPT		880
	5658	F	VPT		880
	5658	ML	VPT		880
	5659	GE	RIT		12A6
	5660	GE	RIT		12C8
	5661	GE	RIT		12SK7
	5662	GE	T		
	5663	GE	T		5696
WL	5664	WL	T		3C23
	5664	EL	T		3C23
	5665	EL	T	C16J/5665	
	5665	WL	T	C16J/5665	
	5665/C16J	GE	T	C16J/5665	
	5666	A	VPT		889-A
	5666	F	VPT		889-A
	5666	ML	VPT		889-A
	5667	A	VPT		889R-A
	5667	F	VPT		889R-A
ML	5667	ML	VPT		889R-A
	5668	A	VPT		892
	5668	F	VPT		892
	5668	ML	VPT		892
	5669	A	VPT		892-R
	5669	F	VPT		892-R
	5669	ML	VPT		892-R
	5670	RCA	RIT	5670	
	5670	BEN	RIT	5670	
	5670	GE	RIT	5670	
CK	5670	HY	RIT	5670	
	5670	RK	RIT	5670	
	5670	S	RIT	5670	
	5670	TS	RIT	5670	
	5670-WA	RCA	RIT	5670-WA	
	5670-WA	GE	RIT	5670-WA	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
ML	5670-WA	S	RIT	5670-WA	
	5670-WA	TS	RIT	5670-WA	
	5671	RCA	VPT	5671	
	5671	ML	VPT	5671	
	5671	WL	VPT	5671	
	5675	RCA	VPT	5675	
	5675	HY	VPT	5675	
	5675	S	VPT	5675	
	5679	S	VPT	5679	
	5683	EL	T		7A6 3C23
WL	5685	WL	T		
	5685/C6J	A	T	C6J-A/5685	
	5685/C6J	CE	T	C6J-A/5685	
	5685/C6J-A	EL	T	C6J-A/5685	
	5686	RCA	RIT	5686	
	5686	GE	RIT	5686	
	5686	HY	RIT	5686	
	5686	RK	RIT	5686	
	5686	S	RIT	5686	
	5686	TS	RIT	5686	
GL	5687	RCA	RIT	5687	
	5687	GE	RIT	5687	
	5687	HY	RIT	5687	
	5687	S	RIT	5687	
	5687	TS	RIT	5687	
	5690	RCA	R	5690	
	5690	HY	R	5690	
	5691	RCA	RIT	5691	
	5691	GE	RIT	5691	
	5691	HY	RIT	5691	
WL	5691	S	RIT	5691	
	5691	TS	RIT	5691	
	5691	WL	RIT	5691	
	5692	RCA	RIT	5692	
	5692	GE	RIT	5692	
	5692	HY	RIT	5692	
	5692	S	RIT	5692	
	5692	WL	RIT	5692	
	5693	RCA	RIT	5693	
	5693	GE	RIT	5693	
GL	5693	HY	RIT	5693	
	5693	S	RIT	5693	
	5693	TS	RIT	5693	
	5693	WL	RIT	5693	
	5695	EE	R		816
	5696	RCA	T	5696	
	5696	GE	T	5696	
	5696	HY	T	5696	
	5702-WA	RK	RIT		
	5704-WA	RK	RIT		
CK	5713	RCA	VPT	5713	
	5718	RCA	RIT	5718	
	5718	GE	RIT	5718	
	5718	HY	RIT	5718	
	5718	S	RIT	5718	
	5718-A	S	RIT	5718	
	5718-A	GE	RIT	5718	
	5718-A	S	RIT	5718	
	5719	RCA	RIT	5719	
	5719	GE	RIT	5719	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	5719	S	RIT	5719	
	5719-A	RCA	RIT	5719	
	5719-A	GE	RIT	5719	
	5719-A	S	RIT	5719	
	5725	RCA	RIT	5725	
	5725	GE	RIT	5725	
	5725	RK	RIT	5725	
	5725	TS	RIT	5725	
	5725/6AS6-W/6187	S	RIT		
	5725/6AS6-W/6187	TS	RIT		
CK	5726	RCA	RIT	5726	
	5726	GE	RIT	5726	
	5726	RK	RIT	5726	
	5726	S	RIT	5726	
	5726	TS	RIT	5726	
	5726	NAP	RIT	5726	
	5726/6AL5-W	RCA	RIT	5726/6AL5-W	
	5726/6AL5-W	GE	RIT	5726/6AL5-W	
	5726/6AL5-W	S	RIT	5726/6AL5-W	
	5726/6AL5-W	RCA	RIT	5726/6AL5-W	
GL	5726/6AL5-W/6097	GE	RIT	5726/6AL5-W/6097	
	5726/6AL5-W/6097	RCA	T	5727	
	5727	A	T	5727	
	5727	GE	T	5727	
	5727	HY	T	5727	
	5727	S	T	5727	
	5727	NAP	T	5727	
	5727/2D21-W	RCA	T	5727/2D21-W	
	5727/2D21-W	GE	T	5727/2D21-W	
	5727/2D21-W	S	T	5727/2D21-W	
GL	5727/2D21-W	TS	T	5727/2D21-W	
	5734	RCA	VPT	5734	
	5736	A	VPT		5762/7C24
	5736	WL	VPT		5762/7C24
	5741	GE	R		8020
	5743	GE	VPT		5556
	5744-WB	RK	RIT	5749	
	5749	RCA	RIT	5749	
	5749	GE	RIT	5749	
	5749	HY	RIT	5749	
CK	5749	RK	RIT	5749	
	5749	S	RIT	5749	
	5749	TS	RIT	5749	
	5749/6BA6-W	RCA	RIT	5749/6BA6-W	
	5749/6BA6-W	GE	RIT	5749/6BA6-W	
	5749/6BA6-W	HY	RIT	5749/6BA6-W	

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RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL CK	5749/ 6BA6-W	S	RIT	5749/ 6BA6-W	5750
	5749/ 6BA6-W	TS	RIT	5749/ 6BA6-W	
	5750	RCA	RIT	5750	
	5750	GE	RIT	5750	
	5750	RK	RIT	5750	
GL	5750/ 6BE6-W	S	RIT	5750	
	5751	RCA	RIT	5751	
GL	5751	GE	RIT	5751	
	5751	HY	RIT	5751	
	5751	RK	RIT	5751	
CK	5751	S	RIT	5751	
	5751	TS	RIT	5751	
	5751-WA	RCA	RIT	5751-WA	
GL	5751-WA	GE	RIT	5751-WA	
	5751-WA	S	RIT	5751-WA	
F	5751-WA	TS	RIT	5751-WA	
	5762	RCA	VPT	5762/ 7C24	
GL	5762	F	VPT	5762/ 7C24	
	5762/ 7C24	GE	VPT	5762/ 7C24	
GL	5763	RCA	VPT	5763	
	5763	GE	VPT	5763	
	5763	HY	VPT	5763	
CK	5763	RK	VPT	5763	
	5763	S	VPT	5763	
GL	5764	S	VPT	5763	
	5765	S	VPT	5763	
CK	5767	S	VPT	5763	
	5768	S	VPT	5763	
GL	5770	RCA	VPT	5770	
	5771	RCA	VPT	5771	
	5771	A	VPT	5771	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
F ML	5771	F	VPT	5771	5555 6562 6562 5763
	5771	ML	VPT	5771	
GL	5786	RCA	VPT	5786	
	5788	GE	I		
	5794	S	VPT		
	5794	RK	VPT		
GL	5812	HY	VPT		
	5814	GE	RIT	5814-A	
CK	5814	HY	RIT	5814-A	
	5814	RK	RIT	5814-A	
	5814	S	RIT	5814-A	
	5814	TS	RIT	5814-A	
GL	5814-A	RCA	RIT	5814-A	
	5814-A	GE	RIT	5814-A	
	5814-A	HY	RIT	5814-A	
	5814-A	S	RIT	5814-A	
	5814-A	RCA	RIT	5814-A	
	5814-WA	RCA	RIT	5814-WA	
	5814-WA	S	RIT	5814-WA	
	5819	RCA	P	5819	
GL	5820	RCA	CM	5820	
	5822	RCA	I	5822-A	
GL	5822	A	I	5822-A	
	5822	GE	I	5822-A	
WL	5822	WL	I	5822-A	
	5822-A	RCA	I	5822-A	
WL	5822-A	GE	I	5822-A	
	5822-A	WL	I	5822-A	
ML	5823	RCA	G	5823	
	5823	HY	G	5823	
	5823	S	G	5823	
	5824	GE	RIT	5823	
	5825	RCA	R	5825	
ML	5834	ML	VPT		
	5838	BEN	R		
	5839	BEN	R		
GL	5840	RCA	RIT	5840	
	5840	GE	RIT	5840	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	5840	S	RIT	5840	5840 5810 6211
	5840-A	GE	RIT		
	5840-A	S	RIT		
	5844	GE	VPT		
	5851	NU	RIT		
GL	5852	BEN	VPT		
	5862/ AX9900	A	VPT		
	5867/ AX9901	A	VPT		
	5868/ AX9902	A	VPT		
	5876	RCA	VPT	5876	
	5876	S	VPT	5876	
	5876-A	RCA	VPT	5876-A	
	5879	RCA	RT	5879	
	5879	GE	RT	5879	
	5879	HY	RT	5879	
GL	5879	S	RT	5879	
	5879	TS	RT	5879	
	5881	RCA	RT	5881	
	5881	GE	RT	5881	
	5881	HY	RT	5881	
	5881	S	RT	5881	
	5881	TS	RT	5881	
	5890	RCA	VPT	5890	
	5891	WL	VPT		
	5893	RCA	VPT	5893	
ML	5894	A	VPT		
	5894	ML	VPT		
	5896	RCA	RIT	5896	
	5896	GE	RIT	5896	
	5896	S	RIT	5896	
GL	5896-A	RCA	RIT	5896-A	
	5897	S	RIT	5718	
	5898	S	RIT	5719	
	5899	RCA	RIT	5899	
	5899	GE	RIT	5899	
	5899	S	RIT	5899	
	5899	GE	RIT	5899	

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KEY TO SYMBOLS IN COLUMN 3

- A = Amperex Electronic Corp.
- BEN = Bendix Aviation Corp.
- BO = Bomac Laboratories, Inc.
- CH = Chatham Electronics Division
- CE = Continental Electric Co. (Cetron)
- D = A. B. Dumont Laboratories, Inc.
- EE = Electronic Enterprises, Inc.
- EM = Eitel-McCullough, Inc. (Eimac)
- EL = Electrons, Inc.
- F = Federal Telephone and Radio Co.
- GE = General Electric Co.
- GES = General Electronics Co.
- GS = General Scientific Corp.
- HK = Heinz and Kaufman
- HY = CBS-Ilytron
- IH = Induction Heating Corp.
- KU = Kuthe Laboratories
- ML = Machlett Laboratories, Inc.
- NAP = Philips Electron Tube Division
- NL = National Electronics, Inc.
- NU = National Union Electric Corp.
- PL = Penta Laboratories, Inc.
- R = Rauland Corporation
- RK = Raytheon Manufacturing Co.
- ROG = Rogers Electronic Tubes
- S = Sylvania Electric Products, Inc.
- STC = Standard Telephone and Cables
- T = Taylor Tubes, Inc.
- TS = Tung-Sol Electric, Inc.
- UE = United Electronics Co.
- WE = Western Electric Co.
- WL = Westinghouse Electric Corp.
- WT = Weltronic Co.

KEY TO SYMBOLS IN COLUMN 4

- CM = Camera Tube or Monoscope
- CR = Cathode-Ray Tube
- G = Glow Tube
- GA = Gauge Tube
- K = Klystron
- I = Ignitron
- IC = Image-Converter Tube
- M = Magnetron
- P = Phototube
- PC = Photoconductive Cell
- PJ = Photojunction Cell
- R = Rectifier
- RT = Receiving Tube
- RIT = Receiving-Type Industrial Tube
- ST = Storage Tube
- T = Thyatron
- TW = Traveling-Wave Tube
- VPT = Vacuum Power Tube

RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	5899	S	RIT	5899	
	5899-A	RCA	RIT		
	5899-A	GE	RIT		
	5899-A	S	RIT		
	5902	RCA	RIT		
GL	5902	GE	RIT	5902	
	5902	HY	RIT		
	5902	RK	RIT		
CK	5902	RK	RIT	5902	
	5902	S	RIT		
	5915	RCA	RIT		
GL	5915	GE	RIT	5915	
	5915	HY	RIT		
	5915	S	RIT		
	5915-A	GE	RIT		
	5915-A	HY	RIT		
F	5915-A	S	RIT	5915	
	5917	F	VPT		
	5917	F	VPT		
AX	5923/9904	A	VPT	2A3	5U4-GB
	5930	S	VPT		
	5931	S	VPT		
	5932	S	VPT		
	5933	S	VPT		
WL	5933-WA	S	VPT	807	579-B
	5934	WL	R		
	5936	WL	VPT		
	5946	RCA	VPT		
	5948/1754	KU	T		
GL	5948/1754	GE	T	5946	
	5949/1907	KU	T		
	5960	BEN	RIT		
	5963	RCA	RIT		
	5963	GE	RIT		
GL	5963	HY	RIT	5963	
	5963	S	RIT		
	5964	RCA	RIT		
	5965	RCA	RIT		
	5965	GE	RIT		
GL	5965	HY	RIT	5965	
	5965	S	RIT		
	5976	RK	K		
	5992	BEN	RIT		
	5993	BEN	RIT		
GL	5998/421A	WE	RIT	2K26	
	6005	RCA	RIT		
	6005	GE	RIT		
	6005	HY	RIT		
	6005	S	RIT		
GL	6005	TS	RIT	6005	
	6005/6AQ5-W	RCA	RIT		
	6005/6AQ5-W	GE	RIT		
	6005/6AQ5-W	HY	RIT		
	6005/6AQ5-W	HY	RIT		
	6005/6AQ5-W/6095	RCA	RIT		
	6005/6AQ5-W/6095	TS	RIT		
	6005/6AQ5-W/6095	RCA	RIT		
	6005/6AQ5-W/6095	GE	RIT		
	6005/6AQ5-W/6095	HY	RIT		
6005/6AQ5-W/6095	GE	RIT			

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
F	6005/6AQ5-W/6095	HY	RIT	6005/6AQ5-W/6095	
	6009	F	VPT		
	6011/710	WL	T		
	6012	RCA	T		
	6012	HY	T		
GL	6012	HY	T	6012	
	6014	RCA	T		
	6014/CIK	GE	T		
GL	6021	RCA	RIT	6021	
	6021	GE	RIT		
	6021	RK	RIT		
CK	6026	RCA	VPT	6026	
	6028	WE	RIT		
	6028/408A	WE	RIT		
	6032	RCA	IC		
	6032-A	RCA	IC		
GL	6044	CE	T	6032-A	
	6046	GE	RIT		
	6057	STC	RIT		
	6058	STC	RIT		
	6060	STC	RIT		
CK	6062	STC	VPT	6072	
	6067	STC	RIT		
	6072	RCA	RIT		
	6072	GE	RIT		
	6072	HY	RIT		
	6073	RCA	G		
	6073	HY	G		
	6073	RK	G		
	6073/0A2	RCA	G		
	6074	TS	G		
	6074/0B2	RCA	G		
	6076	A	VPT		
	6080	RCA	RIT		
	6080	GE	RIT		
	6080	HY	RIT		
6080-WA	RCA	RIT			
6080-WA	CH	RIT			
6080-WA	TS	RIT			
6082	RCA	RIT			
GL	6082	TS	RIT	6082	
	6082-A	BEN	RIT		
	6084	NAP	RIT		
	6085	NAP	RIT		
	6087	GE	R		
	6094	BEN	RIT		
	6096	GE	RIT		
	6097	GE	RIT		
	6099	RCA	RIT		
	6099	HY	RIT		
6099	S	RIT			
GL	6100/6C4-WA	GE	RIT	6101	
	6101	RCA	RIT		
	6101	HY	RIT		
	6101/6J6-WA	RCA	RIT		
	6101/6J6-WA	HY	RIT		

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	6101/6J6-WA	HY	RIT	6101/6J6-WA	5690
	6106	BEN	R		
	6111	RCA	RIT		
	6111	GE	RIT		
	6111	HY	RIT		
CK	6111	RK	RIT	6111	
	6111	S	RIT		
	6112	RCA	RIT		
GL	6112	GE	RIT	6112	
	6112	HY	RIT		
	6112	RK	RIT		
CK	6112	RK	RIT	6112	
	6112	S	RIT		
	6130	BO	T		
GL	6130	GE	T	6130	
	6130	KU	T		
	6130/3C45	RCA	T		
GL	6134	GE	RIT	6136	
	6135	GE	RIT		
	6136	RCA	RIT		
GL	6136	GE	RIT	6136	
	6136	HY	RIT		
	6137	TS	RIT		
GL	6140/423A	GE	RIT	6146	
	6146	RCA	VPT		
	6146	GE	VPT		
RK	6146	HY	VPT	6146	
	6146	RK	VPT		
	6146	S	VPT		
WL	6146	WL	VPT	6146	
	6155	A	VPT		
	6155/4-125A	RCA	VPT		
WL	6156/4-125A	A	VPT	6156/4-250A	
	6156	A	VPT		
	6156/4-250A	RCA	VPT		
WL	6159	RCA	VPT	6159	
	6159	S	VPT		
	6159	WL	VPT		
	6161	RCA	VPT		
	6161	GE	VPT		
GL	6161	HY	VPT	6161	
	6166	RCA	VPT		
	6173	RCA	VPT		
	6180	STC	R		
	6181	RCA	VPT		
GL	6181	GE	VPT	6181	
	6186/6AG5-WA	RCA	RIT		
	6189/12AU7-WA	RCA	RIT		
	6189/12AU7-WA	GE	RIT		
	6189/12AU7-WA	S	RIT		
GL	6189/12AU7-WA	TS	RIT	6189/12AU7-WA	
	6189/12AU7-WA	TS	RIT		
	6197	RCA	VPT		

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

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RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Design- nation	Mfr.	Tube Class		
GL	6197	HY	VPT	6197	7038 7038
	6198	RCA	CM	6198	
	6198	GE	CM	6198	
WL	6198-A	RCA	CM		
	6198-A	WL	CM		
GL	6199	RCA	P	6199	
	6201	RCA	RIT	6201	
GL	6201	GE	RIT	6201	
	6201	HY	RIT	6201	
	6201	S	RIT	6201	
	6201	NAP	RIT	6201	
	6202	GE	R	6202	
	6205	RCA	RIT	6205	
	6205	GE	RIT	6205	
	6205	S	RIT	6205	
	6206	RCA	RIT	6206	
	6206	S	RIT	6206	
	6211	RCA	RIT	6211	
	6211	GE	RIT	6211	
	6211	HY	RIT	6211	
	6211	S	RIT	6211	
	6217	RCA	P	6217	
	6263	RCA	VPT	6263	
GL	6263	S	VPT	6263	
	6264	RCA	VPT	6264-A	
	6264	S	VPT	6264-A	
	6264-A	RCA	VPT	6264-A	
	6265	GE	RIT		
	6267	ROG	RIT		
	6278	CE	T		
	6291	D	P		
	6292	D	P		
	6293	RCA	VPT	6293	
GL	6326	RCA	CM	6326	
	6326	GE	CM	6326	
	6326-A	RCA	CM		
	6328	RCA	P	6328	
	6333	A	VPT		
	6336	CH	RIT		
	6337	CH	RIT		
	6342	RCA	P		
GL	6342-A	RCA	P	6342, 6342-A	
	6346	GE	I	6342-A	
GL	6347	GE	I		
	6348	GE	I		
GL	6350	RCA	RIT	6350	
	6350	GE	RIT	6350	
	6350	HY	RIT	6350	
	6350	S	RIT	6350	
	6360	VPT	A		
	6363	D	P		
	6364	D	P		
	6365	D	P		
F	6366	F	VPT		
	6367	F	VPT		
F	6372	RCA	P		
	6379	F	VPT		
	6383	RCA	VPT	6383	
	6384	BEN	RIT		
	6385	BEN	RIT		
	6394	CH	RIT		
	6399	F	VPT		
	6400	F	VPT		

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Design- nation	Mfr.	Tube Class		
CK	6405/1640	RCA	P	6405/1640	
	6414	RCA	RIT		
	6417	GE	VPT	6417	
	6417	HY	VPT	6417	
	6445	A	VPT		
	6446	A	VPT		
	6447	A	VPT		
	6448	RCA	VPT	6448	
	6467	D	P		
	6472	RCA	P	6472	
GL	6474	RCA	CM	6474	
	6474/1854	RCA	CM	6474	
	6485	RK	RIT		
	6486	BEN	RIT		
	6486A	BEN	RIT		
	6499	RCA	ST	6499	
	6509	GE	I		
	6514	GE	I		
	6520	CH	RIT		
	6521	RCA	M	6521	
CK	6524	RCA	VPT	6524	
	6528	TS	RIT		
	6533	RK	RIT		
	6530	TS	RIT		
	6562	RCA	VPT	6562	
ML	6570	RCA	P	6570	
	6571	RCA	ST	6571	
	6576	ML	RIT		
	6582-A	BEN	RIT		
	6626	HY	G		
	6626/0A2-WA	RCA	G	6626/0A2-WA	
	6626/0A2-WA	CH	G	6626/0A2-WA	
	6626/0A2-WA	HY	G	6626/0A2-WA	
	6626/0A2-WA	HY	G	6626/0A2-WA	
	6655	RCA	P	6655-A	
	6655-A	RCA	P	6655-A	
GL	6660	GE	RIT	6660/6BA6	
	6660	HY	RIT	6660/6BA6	
	6660/6BA6	RCA	RIT	6660/6BA6	
	6661	GE	RIT	6661/6BH6	
	6661	HY	RIT	6661/6BH6	
	6661	TS	RIT	6661/6BH6	
	6661/6BH6	RCA	RIT	6661/6BH6	
	6662	GE	RIT	6662/6BJ6	
	6662	HY	RIT	6662/6BJ6	
	6662	TS	RIT	6662/6BJ6	
	6662/6BJ6	RCA	RIT	6662/6BJ6	
	6663	GE	RIT	6663/6AL5	
	6663/6AL5	RCA	RIT	6663/6AL5	
	6663/6AL5	HY	RIT	6663/6AL5	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Design- nation	Mfr.	Tube Class		
F	6669	GE	RIT	6669/6AQ5-A	
	6669	HY	RIT	6669/6AQ5-A	
	6669/6AQ5-A	RCA	RIT	6669/6AQ5-A	
	6677	GE	RIT	6677/6CL6	
	6677	HY	RIT	6677/6CL6	
	6677/6CL6	RCA	RIT	6677/6CL6	
	6678	GE	RIT	6678/6U8-A	
	6678	HY	RIT	6678/6U8-A	
	6678	HY	RIT	6678/6U8-A	
	6678/6U8-A	RCA	RIT	6678/6U8-A	
	6679	GE	RIT	6679/12AT7	
	6679	HY	RIT	6679/12AT7	
	6679	TS	RIT	6679/12AT7	
	6679/12AT7	RCA	RIT	6679/12AT7	
	6680	GE	RIT	6680/12AU7-A	
	6680	TS	RIT	6680/12AU7-A	
	6680/12AU7-A	RCA	RIT	6680/12AU7-A	
	6680/12AU7-A	HY	RIT	6680/12AU7-A	
	F	6681	GE	RIT	6681/12AX7
		6681	TS	RIT	6681/12AX7
6681/12AX7		RCA	RIT	6681/12AX7	
6681/12AX7		HY	RIT	6681/12AX7	
6687		ROG	RIT		
6688		A	RIT		
6689		ROG	RIT		
6691		F	VPT		
6694-A		RCA	PC	6694-A	
6786		A	T		
6800	F	VPT			
6806	RCA	VPT	6806		
6810	RCA	P	6810-A		
6810-A	RCA	P	6810-A		
6814	RCA	VPT	6814		
6814	S	VPT	6814		
6816	RCA	VPT	6816		
6829	GE	RIT			
CK	6832	RK	RIT		
	6849	RCA	CM	6849	
	6849	GE	CM	6849	
	6850	RCA	VPT	6850	
	6853	BEN	R		
CK	6861	RCA	TW	6861	
	6865-A	RCA	M	6865-A	
	6866	RCA	ST	6866	
	6872	RK	RIT		
	6883	RCA	VPT	6883	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

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RCA INTERCHANGEABILITY DIRECTORY

1 2 3 4 5 6					
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
EL	E180CC	NAP	RIT	C3J/5632 C3J-A/ 5684	5965
	E182CC	NAP	RIT		7044
	C1B	EL	R		3C23
	C1B/A	EL	R		3C23
	C1J	EL	T		3C23
	C1J/A	EL	T		
	C3J	EL	T		
	C1K	EL	T		
	C1K/6014	RCA	T		
	C1K/6014	RCA	T		
EL	C3J/5632	RCA	T	C3J/5632	
	C3J/A	EL	T	C3J-A/ 5684	
EL	C6A	EL		C6J/ 5C21	
	C6J	EL		C6J/ 5C21	
EL	C6J/5C21	RCA	T	C6J-A/ 5685	
	C6J/A	EL	T	C6J-A/ 5685	
EL	C6J-A/5685	RCA	T	C16J/ 5665	
	C16J	EL	T	C16J/ 5665	

1 2 3 4 5 6					
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
	C16J/5665	RCA	T	C16J/5665	
	TGRA	IH	R	575-A 872-A 892 833-A 889-A	
	TGRB	IH	R		
	TVTA	IH	VPT		
	TVTB	IH	VPT		
	TVTC	IH	VPT		
	WT T-100	WT	RT		6X4
	WT T-102	WT	RT		5Y3-GT
	WT T-103	WT	RT		6H6
	WT T-104	WT	T		575-A
WT T-105	WT	VPT	892		
WT T-106	WT	T			
WT T-107	WT	T			
WT T-108	WT	T			
WT T-109	WT	T			
WT T-110	WT	T			
WT T-111	WT	T	5559		
WT T-112	WT	T	5560		
WT T-113	WT	T	676		
WT T-114	WT	G	0Z4		
WT T-115	WT	RT	117N7-GT		

1 2 3 4 5 6					
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WT	T-117	WT	T	5557 105 172 6SJ7 6V6 7K7 6N7-GT 50B5 833-A 6K8 6J5-GT 6C6-G 6C6 0A4-G 5U4-C 2AP1-A 3AP1-A 172 8005 8005 1616	
	T-118	WT	T		
	T-119	WT	T		
	T-122	WT	RT		
	T-123	WT	RT		
	T-124	WT	RT		
	T-125	WT	RT		
	T-126	WT	RT		
	T-127	WT	VPT		
	T-128	WT	RT		
WT	T-129	WT	RT		
	T-130	WT	RT		
	T-131	WT	RT		
	T-132	WT	G		
	T-133	WT	T		
	T-134	WT	T		
	T-135	WT	RT		
	T-136	WT	CR		
	T-137	WT	CR		
	T-139	WT	T		
WT	T-149	WT	T		
	V-70-D	UE	VPT		
UE	V-70-D	NU	VPT		
	X-22	UE	R		

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

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† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

KEY TO SYMBOLS IN COLUMN 3

- | | | |
|---|---|---|
| <p>A = Amperex Electronic Corp.
 BEN = Bendix Aviation Corp.
 BO = Bomac Laboratories, Inc.
 CH = Chatham Electronics Division
 CE = Continental Electric Co. (Cetron)
 D = A. B. Dumont Laboratories, Inc.
 EE = Electronic Enterprises, Inc.
 EM = Eitel-McCullough, Inc. (Eimac)
 EL = Electrons, Inc.
 F = Federal Telephone and Radio Co.
 GE = General Electric Co.</p> | <p>GES = General Electronics Co.
 GS = General Scientific Corp.
 HK = Heinz and Kaufman
 HY = CBS-Hytron
 IH = Induction Heating Corp.
 KU = Kuthe Laboratories
 ML = Machlett Laboratories, Inc.
 NAP = Philips Electron Tube Division
 NL = National Electronics, Inc.
 NU = National Union Electric Corp.
 PL = Penta Laboratories, Inc.</p> | <p>R = Rauland Corporation
 RK = Raytheon Manufacturing Co.
 ROG = Rogers Electronic Tubes
 S = Sylvania Electric Products, Inc.
 STC = Standard Telephone and Cables
 T = Taylor Tubes, Inc.
 TS = Tung-Sol Electric, Inc.
 UE = United Electronics Co.
 WE = Western Electric Co.
 WL = Westinghouse Electric Corp.
 WT = Weltronic Co.</p> |
|---|---|---|

KEY TO SYMBOLS IN COLUMN 4

- | | | |
|---|---|--|
| <p>CM = Camera Tube or Monoscope
 CR = Cathode-Ray Tube
 G = Glow Tube
 GA = Gauge Tube
 K = Klystron
 I = Ignitron</p> | <p>IC = Image-Converter Tube
 M = Magnetron
 P = Phototube
 PC = Photoconductive Cell
 PJ = Photojunction Cell
 R = Rectifier</p> | <p>RT = Receiving Tube
 RIT = Receiving-Type Industrial Tube
 ST = Storage Tube
 T = Thyatron
 TW = Traveling-Wave Tube
 VPT = Vacuum Power Tube</p> |
|---|---|--|

Notes

Industrial Receiving-Type Tubes and Their Prototypes

Tube Type ^A	Proto-type	Tube Type ^A	Proto-type	Tube Type ^A	Proto-type	Tube Type ^A	Proto-type
396-A	2C51	5750	6BE6	6074	0B2	6336-A	6AS7-G
401-A	6AG5	5751	12AX7	6074/0B2	0B2	6384	6AR6
403-A	6AK5	5751-WA	12AX7	6080	6AS7-G	6385	2C51
403-B	6AK5			6080-WA	6AS7-G	6386	2C51
421-A	6AS7-G	5814	12AU7	6080-WB	6AS7-G		
		5814-A	12AU7			6394-A	6AS7-G
423-A	5651	5814-WA	12AU7	6082	6AS7-G	6414	6AS7-G
481-B	1Y2	5824	25B6-G	6082-A	6AS7-G	6485	6AH6
1603	6C6	5838	6X5	6084	6SJ7	6486	6AS6
1609	6J7			6085	6SN7-GT		
1612	6L7	5842	417-A	6087	5Y3-GT	6520	6AS7-G
		5844	6J6			6528	6AS7-G
1613	6F6	5852	6X6	6094	6AQ5-A	6626/0A2-WA	0A2
1614	6L6	5871	6V6-GT	6095	6AQ5-A	6627/0B2-WA	0B2
1620	6J7	5881	6L6-G	6096	6AK5		
1621	6F6			6097	6AL5	6660	6BA6
1622	6L6	5915	6BE6	6098	6AR6	6661	6BH6
		5915-A	6BE6			6662	6BJ6
1625	807	5920	6J6	6098/6AR6-WA	6AR6	6663	6AL5
1629	6E5	5930	2A3	6099	6J6	6669	6AQ5-A
1631	6L6	5931	5U4-G	6100	6C4	6677	6CL6
1632	25L6-GT			6100/6C4-WA	6C4	6678	6U8-A
1633	6SN7-GT	5932	6L6-G	6101	6J6	6679	12AT7
		5933	807				
1634	12SC7	5963	12AU7	6101/6J6-WA	6J6	6680	12AU7
1635	6N7-GT	5964	6J6	6106	5Y3-GT	6681	12AX7
5590	401-A	5992	6V6	6130	3C45	6687	6BE6
5591	403-B			6130/3C45	3C45	6829	5965
5598	421-A	5993	6X4	6132	6CH6		
		6005	6AQ5-A			6851	12AX7
5654	6AK5	6005/6AQ5-W	6AQ5-A	6134	6AC7	6887	6AL5
5654/6AK5-W	6AK5	6005/		6135	6C4	6888	7AK7
5654/		6AQ5-W/6095	6AQ5-A	6136	6AU6	6919	6AL5
6AK5-W/6096	6AK5	6006	6SG7	6137	6SK7		
5670	2C51			6145	7AD7	6922	6DT8
5679	7A6	6028	6AK5			6954	6DT6
		6042	6SN7-GT			7000	6J7
5691	6SL7-GT	6046	25L6-GT	6180	6SN7-GT	7036	6BE6
5692	6SN7-GT	6057	12AX7	6185	2C51		
5693	6SJ7	6058	6AL5	6186	6AG5	7054	12BY7-A
5725	6AS6			6186/6AG5-WA	6AG5	7055	6AL5
5725/				6187	6AS6	7056	6CB6
6AS6-W/6187	6AS6	6059	6J7			7057	6BF7
		6060	12AT7				
5726	6AL5	6061	6V6-GT	6188/6SU7-WGT	6SU7-GT	7058	12AX7
5726/6AL5-W	6AL5	6062	5763	6189/12AU7-WA	12AU7	7059	6U8-A
5726/		6063	6X4	6197	6CL6	7060	6AU8
6AL5-W/6097	6AL5			6201	12AT7	7061	12AB5
5727	2D21	6066	6AT6	6202	6X4		
5727/2D21-W	2D21	6067	12AU7			7105	6AS7-G
		6072	12AY7	6211	6J6	7258	6AN8
5749	6BA6	6073	0A2	6265	6BH6	7700	6C6
5749/6BA6-W	6BA6	6073/0A2	0A2	6336	6AS7-G	8016	1B3-GT

^AThese types may differ from their prototypes in electrical and/or mechanical characteristics, physical structure, or types of tests to which they are subjected. Tube data should, therefore, be checked before replacing a type in the prototype column with its corresponding type.

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TECHNICAL PUBLICATIONS

ELECTRON TUBES—

- **RCA TUBE HANDBOOK—HB-3** (7 $\frac{3}{8}$ " x 5 $\frac{1}{4}$ "). Five deluxe 2-inch-capacity black binders imprinted in gold. The bible of the industry—contains over 4200 pages of loose-leaf data and curves on RCA receiving tubes; picture tubes; oscillograph tubes; special-purpose kinescopes; photosensitive devices including phototubes, photoconductive cells, photojunction cells, and camera tubes; storage tubes; gas tubes; and other miscellaneous types for special applications. Available on subscription basis. Price \$17.50 including service for first year. Also available with HB-10 Semiconductor Products Handbook at special combination price of \$20.00.* Write to Commercial Engineering for descriptive folder and order form.
- **RCA RECEIVING TUBE MANUAL—RC-19** (8 $\frac{1}{4}$ " x 5 $\frac{3}{4}$ ")—384 pages. Revised and expanded. Contains technical data on more than 625 receiving types. Features tube theory written for the layman, application information and a circuit section. Features lie-flat binding. Price 75 cents.*
- **RADIOTRON DESIGNER'S HANDBOOK—4th Edition** (8 $\frac{3}{4}$ " x 5 $\frac{1}{2}$ ")—1500 pages. Comprehensive reference thoroughly covering the design of radio and audio circuits and equipment. Written for the design engineer, student, and experimenter. Contains 1000 illustrations, 2500 references, and cross-referenced index of 7000 entries. Edited by F. Langford-Smith of Amalgamated Wireless Valve Company Pty. Ltd. in Australia. Price \$7.00.*
- **RCA TRANSMITTING TUBES—TT-4** (8 $\frac{3}{8}$ " x 5 $\frac{3}{8}$ ")—256 pages. Contains basic information on generic tube types, on tube parts and materials, and on tube insulation and application. Includes technical data and curves for power tubes having plate-input ratings up to 4 kilowatts, and data for associated rectifier tubes. Contains sections on transmitter-design considerations, rectifier circuits and filters, and circuit diagrams for transmitting and industrial applications. Features lie-flat binding. Price \$1.00.*
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● **RCA TRIPLE PINDEX—PINDEX-109** (8 $\frac{1}{4}$ " x 5 $\frac{1}{4}$ ")—240 pages. Gives base diagrams for more than 2000 JEDEC-registered receiving types including picture tubes. Base diagrams of over 1500 receiving types are presented in triplicate to provide the user with any three base diagrams at any one time. More than 200 small industrial receiving types and more than 200 foreign receiving types are cross-referenced to the receiving-tube section for base diagrams. Price \$1.75.*

● **RCA INTERCHANGEABILITY DIRECTORY OF FOREIGN vs U.S.A. RECEIVING-TYPE ELECTRON TUBES—ICE-197** (8 $\frac{3}{8}$ " x 10 $\frac{7}{8}$ ")—4 pages. Covers approximately 450 foreign tube types used principally in AM and FM radios, TV receivers, and audio amplifiers. Indicates U.S.A. direct replacement type or similar type if available. Single copy free on request.

● **RCA HIGH-FIDELITY AMPLIFIER CIRCUITS BOOKLET—HF-110** (8 $\frac{3}{8}$ " x 10 $\frac{7}{8}$ ")—28 pages. Includes circuit diagrams with parts lists, design considerations and performance requirements, and characteristics chart of RCA high-fidelity tube types. For hobbyists, technicians, and others interested in construction of their own high-fidelity amplifier systems. Price 35 cents.*

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● **TV SERVICING, SUPPLEMENT 1—TVS-1031** (10 $\frac{7}{8}$ " x 8 $\frac{3}{8}$ ")—12-page booklet by John R. Meagher on solving trouble-shooting problems in those hard-to-service TV receivers known to service technicians as "tough" or "dogs". Price 15 cents.*

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● **PRACTICAL COLOR TELEVISION, SUPPLEMENT 1—(11" x 8 $\frac{1}{2}$ ")**—36 pages. Describes theory, operation and servicing of large-screen color TV receiver using RCA-21AXP22. Has 55 black-and-white and color illustrations, wave-forms, and explanations of color circuits and adjustments. Price 75 cents.*

TRANSISTORS AND SILICON RECTIFIERS—

● **RCA SEMICONDUCTOR PRODUCTS HANDBOOK—HB-10** (7 $\frac{3}{8}$ " x 5 $\frac{3}{8}$ "). Deluxe 2 $\frac{7}{8}$ -inch capacity red binder imprinted in gold. Contains over 400 pages of loose-leaf data and curves on semiconductor devices such as germanium transistors, silicon transistors, and silicon rectifiers. Available on subscription basis. Price \$5.00* including service for one year. Also available with HB-3 Tube Handbook at special combination price of \$20.00.* Write to Commercial Engineering for descriptive folder and order form.

● **RCA SEMICONDUCTOR PRODUCTS—SCD-108B** (10 $\frac{7}{8}$ " x 8 $\frac{3}{8}$ ")—40 pages. Contains technical data on RCA transistors and silicon rectifiers. Includes an interchangeability directory which lists over 1100 types of 29 different manufacturers, and a section on circuits containing 37 schematics illustrating some of the more important applications of these devices. Price 30 cents.*

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Copies of the publications listed above may be obtained as follows:

ELECTRON TUBES	TRANSISTORS, SILICON RECTIFIERS
From your RCA Tube Distributor	From your RCA Transistor Distributor
or	or
From RCA, Commercial Engineering, Electron Tube Division, Harrison, New Jersey	From RCA, Commercial Engineering, Semiconductor and Materials Division, Somerville, New Jersey

ELECTRONIC SUPPLY CORPORATION
Battle Creek
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