

EF Horan - Rm 221  
LE Swedlund - Rm224

June 23, 1954

Mr. H. Leader  
Room 230  
BUILDING 6

Attached is RCA Standardizing Notice 1-1-1  
which you recently requested me to obtain.

I would suggest that after you have looked  
this over and become familiar with it, you turn it  
over to Frank Horan to keep with the file of RCA  
Standardizing Notices so that this index to designation  
letters will be available for common usage.

*G. T. Waugh*

G. T. Waugh  
CATHODE RAY TUBE ENGINEERING

GTW:hs  
Encls.



SUBJECT: INDEX TO DESIGNATION LETTERS FOR  
ELECTRON TUBE PARTS

The following list is an alphabetical index of the letters used as part of the designation in the nomenclature for parts of radio tubes. This list is an index only; for detailed explanation of the part nomenclature refer to the Stdzg. Not. listed. EXTRA COPIES OF INDEX ARE AVAILABLE UPON REQUEST.

Designation Symbol	Stdzg. Notice No.	Part Name	§Book No.
A	13-1-1	Standard Wire Support Style	
BC	24-1-1BC	Contact Pin	
C	13-1-1	Standard Wire Support Style	
CF	14-1-1MCF	Coiled Filaments	
CH	14-1-1MCH	Coiled Heaters	
E	13-1-1	Standard Wire Support Style	
EM	13-1-1(EM)	Eyelet Micas	
FB	17-1-0	Bulb Assemblies (Glass)	
FBM	17-1-1	Bulb Assemblies (Metal)	
FC	13-1-2FC	Bead Assemblies	
FEM	13-1-1(IM)	Eyelet Mica Assemblies	
FF	14-1-1FF	Factory Filaments	
FFA,FFB,FFP, FFM,FFR,FFU	14-1-1FF	Fil. Codes for Assembly Variations in steps of mfg. of factory fil.	
* FG	8-2-1FG	Misc. Grid Assemblies	
FH	14-1-1FH	Factory Heaters	
FHA,FHB,FHC, FHM,FHR,FHU	14-1-1FH	Heater Codes for Assembly Variations in steps of mfg. of factory heaters.	
FIM	13-1-1(IM)	Mica Assemblies	
FK	14-1-4FK	Cathode Assemblies	
FKS	14-1-4FKS	Special Cathode Assemblies	
FKW	14-1-4FKW	Wrapped Cathode Assemblies, and Integral Wrapped Cathode Assemblies	
FKU	14-1-4FK	Assembly Code - prior to Treatment & Coating	
FKWU	14-1-4FKW	Assembly Code - prior to Treatment & Coating	
FM	13-1-2FM	Misc. Factory Assemblies	
FP	9-1-2FP	Plate Assemblies	
FP	17-7-2	Face Plates (Glass bulbs)	
FR	13-1-2FR	Radiator Assemblies and Sub-assemblies	
FS, FSA,FSF, FSU,FSW	12-1-0	Stem Assembly Specifications, Press Type Stem codes for Assembly Variations in steps in mfg. of press type stems	
FSB	12-1-0B	Stem Spec., Large Glass Button	
FSD	12-1-0D	Stem Spec., Miniature Glass Button	
FSM	12-1-0A	Stem Spec., Metal-sealed Button	
FT	101-3-1FT	Tube Fitting Parts	
FTA	101-3-2FTA	Tube Fitting Assemblies	
FW	13-1-2FW	Wire Assemblies	
FZ	15-1-2FZ	Getter or Activator Assemblies	
FZU	15-1-2FZ	Assembly code for unfilled Getter Assemblies. Assemblies less Getter Material	
-F	17-8-5	Molded Glass Flares	
G	8-1-1	Grids	

§ Book numbers may be filled in by the holder of Stdzg. Notices.

SCALE—

(Continued on Page 2)

DIMENSIONS IN

UNLESS OTHERWISE SHOWN.

DIMENSIONS SHOWN WITHOUT TOLERANCES ARE DESIGN CENTERS

2-536-12-63

115JK

\* CHANGE  
\*\* ADDITION  
\*\*\* DELETION

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Designation Symbol	Stdzg. Notice No.	Part No.	§ Book No.
G	17-7-2	Bulb (Glass)	
GT	17-7-2	Bulb (Glass)	
H	13-1-1H	Machined Parts	
HC	13-1-1HC	Cast Machined parts	
HCU	13-1-1HCU	Assembly code for unmachined casting	
I	13-1-1(I)	Insulators	
IM	13-1-1(IM)	Micas	
IT	13-1-1(IT)	Tubular Insulators	
J	17-7-2	Bulbs (Glass)	
JP	17-7-2	Bulb Necks (Glass)	
K	14-1-2K	Cathode Sleeves (Tubing)	
KS	14-1-2KS	Cathode Sleeves Special	
KW	14-1-2KW	Cathode Sleeves (Wrapped), and (Integral Tab)	
L	13-1-1L	Wire Mesh Parts	
M	13-1-1M	Miscellaneous Assemblies	
MB	24-1-2	Base Assemblies	
MCF	14-1-1MCF	Coated Coiled Filaments	
MCH	14-1-1MCH	Coated Coiled Heaters	
MCHE	14-1-1MCH	Coiled Heater Code, Special pack for ext. shipment	
MH	13-1-1MH	Header Assemblies	
** MJ	17-7-3	Metal Cathode Ray Bulbs	
MKS	14-1-3MKS	Cathode Assemblies of Special KS	
MP	13-1-2MP	Plated Part Assemblies	
MT	17-7-3	Bulbs (Metal)	
MIT	17-7-3	Bulbs (Metal)	
P	9-1-1	Plates	
PB	9-1-1B	Plates, Beam	
PH	9-1-1	Plates, Half	
PQ	9-1-1	Plates, Quarter	
PS	9-1-1	Plates, Sixths	
R	13-1-1R	Ribbon or Strip Parts, Misc	
RA	13-1-1RA	Aperture Discs	
RB	13-1-1RB	Stem Collars	
RC	13-1-1RC	Cooling Collars	
RD	13-1-1RD	Standard Ribbon Support Styles	
RE	13-1-1RE	Eyelets	
RG	13-1-1RG	Grid Shields	
RH	13-1-1RH	Headers	
S	17-7-2	Bulbs (Glass)	
SG	10-1-4SG	Soft Glass Tubing	
SGC	10-1-4SG	Soft Glass Tubing (Cut Pieces)	
ST	17-7-2	Bulbs (Glass)	
T	13-1-1T	Tubing Parts, Metal	
T	17-7-2	Bulbs (Glass)	
TG	10-1-5TG	Hard Glass Tubing	
TGC	10-1-5TG	Hard Glass Tubing (Cut Pieces)	
W	13-1-1W	Wire Parts	
WC	12-5-18	Weld Cups (Conventional)	
WCM	12-5-18	Meridian Weld Cups	
Z	15-1-1Z	Getters and Activators	

§ Book Numbers may be filled in by the holder of the Stdzg. Notice.

SCALE—

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DIMENSIONS SHOWN WITHOUT TOLERANCES ARE DESIGN CENTERS

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\* CHANGE  
\*\* ADDITION  
\*\*\* DELETION

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SUBJECT: NOMENCLATURE - General For Basic Parts

SUPERSEDES 8/17/51

This Standardizing Notice establishes the nomenclature for identifying all parts which are used in electron tube manufacture. This general parts nomenclature applying to all basic parts only and not to assemblies will be referred to in the Standardizing Notice nomenclature for the specific part.

1. NOMENCLATURE

A. Nomenclature for basic parts except those listed under D, shall consist of:

1. Capital letter or letters (Designation Symbol) to indicate the general class of the part as explained on page 1 of Standardizing Notice 1-1-1.

2. A serial number to identify the dimensional design of the part.

→ \*\* (a) For complete serial number assignment blocks for all parts and assemblies refer to Standardizing Notice 1-1-7.

3. A capital letter may be used to indicate a minor variation of the original part.

4. A separation dash.

5. A group of symbols to identify the specific material from which the part is manufactured. This group of symbols will be identical in all cases with the material specification number given in Material Handling Specifications. Section 33 of the Standardizing Notices except that when used in nomenclature the section prefix 33 and all dashes will be omitted.

6. A separation dash.

7. Capital letter followed by a number, or a series of such combinations, to indicate Parts Factory treatments as tabulated in Standardizing Notice 34-1-1. When three or more treatment schedules are required, a consolidated Z schedule will be used for abbreviation to identify the specific group of treatments as detailed in Standardizing Notice 34-1-1, page 1.

B. Plate Designation Example:

P126-N7-W1

- P Indicates part is a Plate.
- 126 Identifies the dimensional design of the 126th plate assigned.
- N7 Indicates that 33-N-7 material is used to manufacture the plate.
- W1 Code designation to identify a specific treatment which the plate receives in the Parts Factory as detailed in Standardizing Notice 34-1-1.

(Continued on page 3a)

SUBJECT NOMENCLATURE - General  
For Basic Parts

SUPERSEDED DATE 4/11/47

1. NOMENCLATURE (Continued)

## C. Header Designation Example:

RH2A-S41-Z53

- RH Indicates part as a header, made from metal strip and used for welded seals.
- 2 Identifies a particular design.
- A Identifies the first variation of the RH2.
- S41 Indicates that 33-S-41 material is used to manufacture the part.
- Z53 Code designation to identify a specific group of treatments which the plate receives in the Parts Factory as detailed in Stdzg. Not. 34-1-1, pg. 1, where Z53 is an abbreviation for W1,P38, and P3 combination.

## D. Exceptions to Basic Parts Nomenclature as given under A are:

	<u>Refer to Stdzg. Not.</u>	<u>Page</u>
1. Grids	8-1-1	0-1
2. Glass Tubing & Cut Pieces	10-1-5TG	0-1
3. Stems	12-1-0,A,B,D	0-1
4. Standard Styles of Wire Supports	13-1-1	0-1
5. Tubular Insulators	13-1-1(IT)	0-1
6. Cut Pieces of Metal Ribbon or Strip	13-1-1R	0-1, Type II
7. Wire Parts Misc. of General Shapes	13-1-1W	0-1, Type II
8. Seamless Tubing Cathode Sleeves and Specials(Misc.)	14-1-2K, KS	0-1
9. Seam Wrapped Cathode & Integral Tab	14-1-2KW	0-1
10. Glass Bulbs	17-7-2	0-1
11. Metal Bulbs	17-7-3	0-1
12. Molded Flares	17-8-5	1

\*General Revision

2-489-14-8

36/BN

★ CHANGE  
★★ ADDITION  
★★ DELETION

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5-48





NOMENCLATURE - General

SUBJECT: For Basic Parts

SUPERSEDES 12/21/44

2. IDENTIFICATION OF TREATMENTS PERFORMED (or OBTAINED) BY TUBE FACTORY OR ASSEMBLING UNIT

A. On the Bill of Materials in Tube Construction Data, and on Assembly Specifications treatment suffixes will be shown in parenthesis following the part designation in order to indicate individually the treatments which the part receives in the Tube Factory, or in that department which makes any assembly of such parts. Any department making an assembly, has the responsibility of seeing that all treatments, shown in parenthesis, are performed on the individual parts at the time of assembly.

Treatment suffixes will be listed in manufacturing sequence and will refer to the treatment schedules given in Stdzg. Not. 34-1-1. When three or more treatment schedules are required, a consolidated Y schedule will be used for abbreviation to identify the specific group of Tube Factory treatments as detailed in Stdzg. Not. 34-1-1, pg. 1.

B. Examples:

1. P126-S79-M8 (W1,FAJ10)

Indicates that the P126-S79-M8 plate receives treatments W1 and FAJ10 in the Tube Factory or Assembling Unit at the time of assembly.

2. W204-S49 (Y1)

Indicates that the W204-S49 wire part receives a specific group of treatments in the Tube Factory or Assembling Unit as detailed in Stdzg. Not. 34-1-1, pg. 1 where Y1 is an abbreviation for W44, FCK10, FVH30.

3. APPLICATION OF PART NOMENCLATURE

The recommended usage of part nomenclature in various company operations are as follows:

A. Package labels which accompany parts carried in stock in the Parts Factory and later shipped either within the company or to outside customers should carry the part designation as here given:

1. P126-N7-W1C1  
Ni Batch Carb.

(Continued on page 3c)



SUBJECT NOMENCLATURE - General  
 For Basic Parts

SUPERSEDED DATE 9/15/48

3. APPLICATION OF PART NOMENCLATURE (Continued)

B. Inventories, Production Schedules & Cost Sheets should show part designation as corresponds to the stage in the processing.

- 1. P126-N7 prior to any treatments
- 2. P126-N7-W1C1 as stocked after batch carb.
- 3. P126-N7-W1C1 (FAJ10) as supplied to unit

C. Stdzg. Notice Bill of Materials for individual tube types and Proposed Change (PC's) should show part designation complete:

- 1. P126-N7-W1C1 (FAJ10)

2. Harrison

It is not standard procedure to show treatments on assemblies or parts of assemblies on Bill of Materials; but to expedite PC's it is standard to indicate the complete breakdown of assembly with treatments for the complete write-up and editing of the PC.

To		<u>From</u>
FM2470B	<u>Cage Shield</u>	FM2470A
RG5B-S41-W1 (FAH10)	Grid Collar	RG5B-S41-W1 (FAJ5)
P12-S79-W1 (FAH10)	Shield	P12B-S41-W1 (FAJ10)

3. Lancaster

It is not standard procedure to show treatments of assemblies on the Bill of Materials; however if the unit using the completed assembly requires the treatment to be done after receiving it, the treatment will be shown as a suffix following the assembly number, rather than as an operation on the assembly drawing. e.g. FM6543 (FAH10). All assemblies will show a complete breakdown on the Bill of Materials unless they are purchased from an outside vendor.

4. GENERAL

Since the material to manufacture the part and the treatments which it receives are completely identified by the nomenclature suffixes, the materials and treatments will not be listed on the part specification sheet.

All material and treatment identification suffixes as well as the dimensional design number for parts will be assigned by the Standardizing Section of the Engineering Department.