

Renewal Parts

Type HAA Auxiliary Current Relay

Ordering Instructions

1. Always specify the complete nameplate data of the relay, including complete model No. of relay.
2. Specify the quantity, catalog number (if listed), reference number (if listed), description, and this bulletin number.
3. Standard hardware, such as screws, bolts, nuts, washers, etc., is not listed in the bulletin. Such items should be purchased locally.
4. For prices, refer to the nearest office of the General Electric Company.
5. The upper or lower terminal block will be supplied with contact fingers in all positions and loose shorting bars. These parts are to be used as required.

How to Use this Bulletin

1. Relay models covered by this bulletin are listed in the left-hand column of the tabulation beginning on page 3.
2. To find the catalog number of a renewal part:
 - A. Referring to the illustrations on page 1, find the reference letter for the required part.
 - B. Locate the reference letter and/or description of the part in the column headings at the top of the tabulation.
 - C. Note the numeral at the intersection of the reference letter column and model number line. This numeral, when added to the reference letter, provides the key to the catalog number of the part, which is listed in the table on the page indicated.

Example:

To find the catalog number of the seal-in unit, upper right for the Model 12HAA11A1 relay:

- A. Figure 1 on page 1 indicates that the reference letter for the seal-in unit, upper right is: "A"
- B. Locate reference letter "A" in the column headings on page 2.
- C. At the intersection of the "A" column and Model 12HAA-11A1 line find the numeral 1. The complete reference symbol is therefore, "A-1". Referring to page 4 in the catalog, the number is found to be 721-6293203G140 (one required per relay).

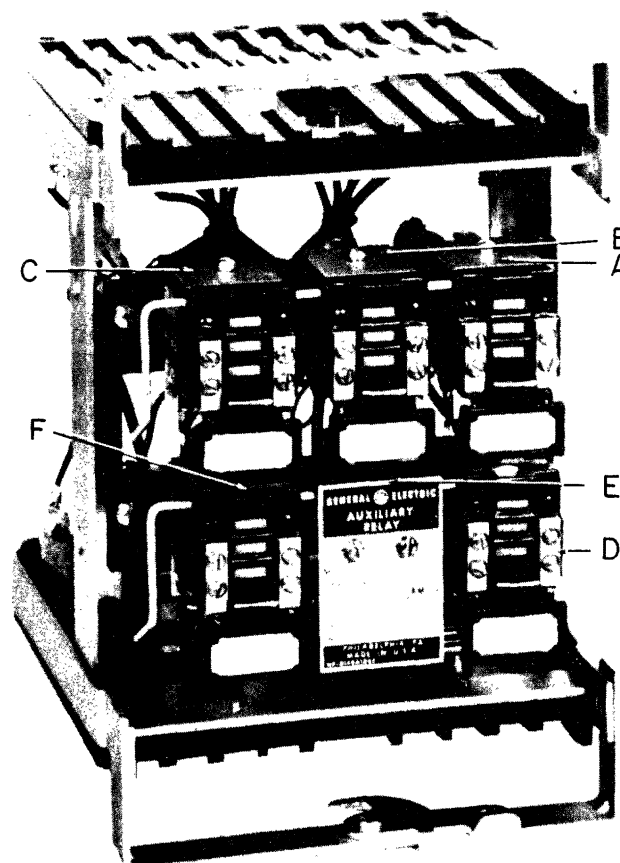


Fig. 1. Type HAA relay

RELAY MODEL NUMBER		Seal-in Unit, Upper Right		Seal-in Unit, Upper Left		Seal-in Unit, Lower Right		Seal-in Unit, Lower Middle		Seal-in Unit, Lower Left		Resistor (CR1)		Telephone Relay		Terminal Block, Upper or Lower		End Plate		External Resistor		Cover		Resistor (R2)	
Page	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Table	A	B	C	D	E	F	G†	H†	J†	K†	L†	M†	N†												
12HAA11A1A	1	1	1	2	—	1	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA11A2A	3	2	2	3	—	2	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA11B1A	6	3	3	4	—	3	1	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA11B2A	6	3	3	4	—	3	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA11B3A	7	4	4	5	—	4	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA11C1A	9	16	6	8	—	6	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA12A4A	2	—	1	2	—	1	—	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA12B1A	4	—	3	4	—	3	—	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA12B2A	5	—	4	5	—	4	—	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA12B3A	4	—	3	4	—	3	2	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA13A1A	1	1	1	1	1	1	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA13B1A	6	3	3	6	2	3	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA13B2A	6	3	3	6	2	3	3	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA13B3A	7	4	4	7	3	4	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA13D1A	8	14	5	10	4	5	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA13E1A	6	3	3	6	2	3	3	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA13E2A	6	3	3	6	2	3	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA14A1A	3	2	2	—	—	—	—	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA14A2A	1	1	1	—	—	—	—	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA14A3A	6	1	1	—	—	—	—	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA14B1A	6	3	3	—	—	—	4	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA14B2A	6	3	3	—	—	—	—	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA14B3A	7	4	4	—	—	—	—	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA14C1A	1	1	1	—	—	—	—	—	2	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA15A4	—	11	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA15A5	—	12	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA15B4	—	9	—	—	—	—	5	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA15B5	—	9	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA15B6	—	10	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
12HAA15C1	—	15	—	—	—	—	—	—	—	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—

* Recommended for stock for normal maintenance.

† Not shown.

* Recommended for stock for normal maintenance.
† Not shown.

GEF-4381, TYPE HAA RELAYS

Ref. Symbol	Fig. No.	Catalog Number	No. Per Relay
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TABLE A
SEAL-IN UNIT, UPPER RIGHT

A-1	1	721-6293203G140	1
A-2	1	721-6293203G142	1
A-3	1	721-6293203G143	1
A-4	1	721-6293203G154	1
A-5	1	721-6293203G156	1
A-6	1	721-6293203G190	1
A-7	1	721-6293203G191	1
A-8	1	721-6293203G246	1
A-9	1	721-6293203G301	1
A-10	1	721-184B6204G9	1

TABLE B
SEAL-IN UNIT, UPPER MIDDLE

B-1	1	721-6293203G141	1
B-2	1	721-6293203G144	1
B-3	1	721-6293203G155	1
B-4	1	721-6293203G157	1
B-5	1	721-6293203G159	1
B-6	1	721-6293203G373	1
B-7	1	721-6293203G508	1
B-8	1	721-6293203G187	1
B-9	1	721-6293203G208	1
B-10	1	721-6293203G209	1
B-11	1	721-6293203G210	1
B-12	1	721-6293203G211	1
B-13	1	721-6293203G225	1
B-14	1	721-6293203G247	1
B-15	1	721-6293203G257	1
B-16	1	721-6293203G302	1
B-17	1	721-6293203B329	1
B-18	1	721-6293203G347	1
B-19	1	721-6293203G407	1
B-20	1	721-184B6204G8	1

Ref. Symbol	Fig. No.	Catalog Number	No. Per Relay
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TABLE C
SEAL-IN UNIT, UPPER LEFT

C-1	1	721-6293203G141	1
C-2	1	721-6293203G144	1
C-3	1	721-6293203G155	1
C-4	1	721-6293203G157	1
C-5	1	721-6293203G247	1
C-6	1	721-6293203G302	1
C-7	1	721-184B6204G8	1

TABLE D
SEAL-IN UNIT, LOWER RIGHT

D-1	1	721-6293203G140	1
D-2	1	721-6293203G142	1
D-3	1	721-6293203G145	1
D-4	1	721-6293203G154	1
D-5	1	721-6293203G156	1
D-6	1	721-6293203G190	1
D-7	1	721-6293203G191	1
D-8	1	721-6293203G303	1
D-9	1	721-184B6204G10	1
D-10	1	721-6293203G246	1

TABLE E
SEAL-IN UNIT, LOWER MIDDLE

E-1	1	721-6293203G141	1
E-2	1	721-6293203G155	1
E-3	1	721-6293203G157	1
E-4	1	721-6293203G247	1

TABLE F
SEAL-IN UNIT, LOWER LEFT

F-1	1	721-6293203G141	1
F-2	1	721-6293203G144	1
F-3	1	721-6293203G155	1
F-4	1	721-6293203G157	1
F-5	1	721-6293203G247	1
F-6	1	721-6293203G302	1
F-7	1	721-184B6204G8	1

TYPE HAA RELAYS, GEF-4381

Ref. Symbol	Fig. No.	Catalog Number	No. Per Relay
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**TABLE G
RESISTOR (CR1)**

G-1	—	721-246A9115P562C	5
G-2	—	721-246A9115P562C	4
G-3	—	721-246A9115P562C	6
G-4	—	721-246A9115P562C	3
G-5	—	721-246A9115P562C	1
G-6	—	721-246A9115P351C	1
G-7	—	721-246A9115P101C	1
G-8	—	721-246A9115P750C	1
G-9	—	721-246A9115P402D	1
G-10	—	721-403A322P196	1

**TABLE H
TELEPHONE RELAY**

H-1	—	721-6418025P391	1
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**TABLE J
TERMINAL BLOCK, UPPER AND LOWER**

J-1	—	721-285A5176G1	2
J-2	—	721-285A5176G1	1

**TABLE K
END PLATE**

K-1	—	721-237C740P2	1
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Ref. Symbol	Fig. No.	Catalog Number	No. Per Relay
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**TABLE L
RESISTOR-EXTERNAL**

L-1	—	721-IC9006C101A650	1
L-2	—	721-IC9006C101A1650	1

**TABLE M
COVER**

M-1	—	721-6229807G21	1
M-2	—	721-128B2305G1	1
M-3	—	Surface Mount 721-891B423G4	1
		Semi-Flush 721-891B423G3	
M-4	—	Surface Mount 721-891B423G1	1
		Semi-Flush 721-891B423G2	
M-5	—	721-891B423G2	1
M-6	—	721-891B423G4	1

**TABLE N
RESISTOR (R2)**

N-1	—	721-403A322P25	1
N-2	—	721-403A322P18	1



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