

# RENEWAL PARTS

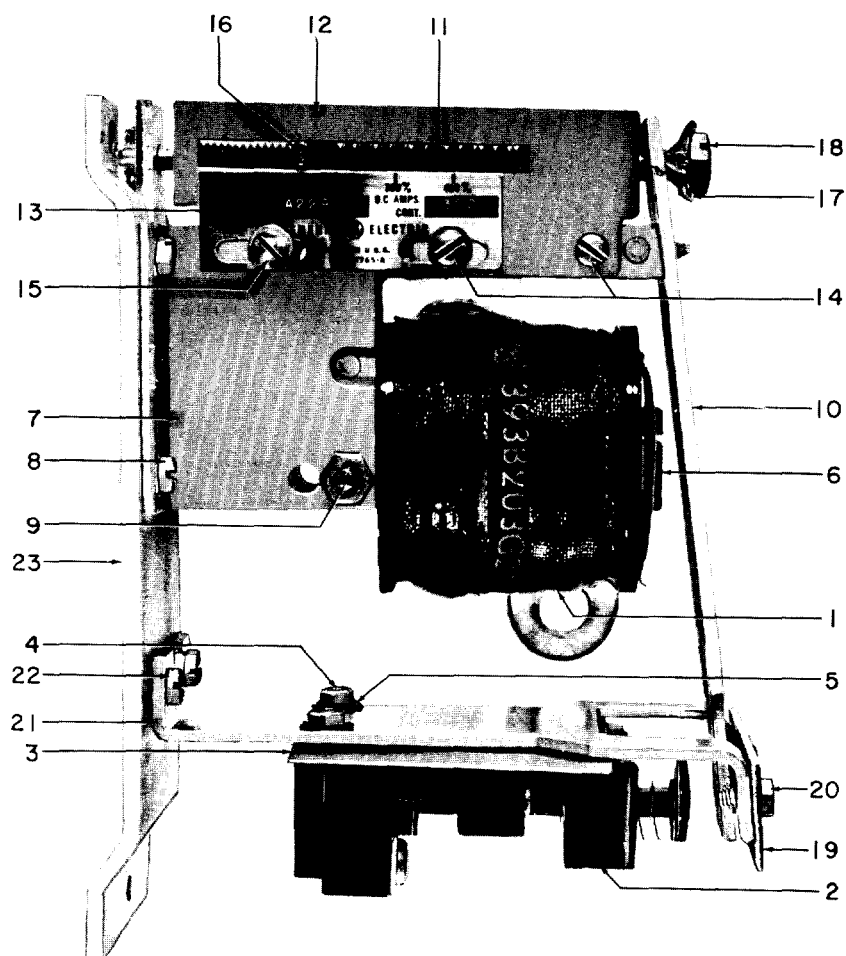
## DS2820-E500 RELAYS

(also IC2820)

Forms A thru AX



**NOTE:**—When ordering parts for a form of the relay not covered by this bulletin, give reference number, description of part, complete nameplate reading, and above bulletin (GEF) number. *Do not use catalog number when form for which the parts are needed is not covered by the bulletin.*



When ordering renewal parts, give quantity, catalog number, description of each item required, and complete nameplate reading.

GENERAL  ELECTRIC

**DS2820-E500 RELAYS**

PARTS RECOMMENDED FOR NORMAL STOCK

Ref. No.	Number Required for DS2820-E500-																Catalog Number	Description
	A AA AK	B AB AJ AL AS AV AW	C	D	E AE AM	F	G AG AP	H AH AR AT AX	J	L	M	N	P	R	S	T		
1	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	- Δ	----- -----	Operating coils (see table below) Set of switch unit contacts (see table on page 3)
11	1	1	1	1	1	1	-	-	1	-	-	1	1	1	1	1	576A215P1	Compression spring for armature
11	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	576A713P1	Compression spring for armature
11	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	147A5840	Compression spring for armature
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3667572G1	Contact tip assembly
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	514448	Spring for contact

Δ If interlock is used, a quantity of one set is required for each interlock.

Ref. No. 1 - OPERATING COILS - 1 Required  
(FORMS A, B, D, E, F, G, H, J, S, AND T)

NOTE: The operating coil is identified by the number following the form letter in the DS designation.

EXAMPLE: DS2820-E500-A-2 requires coil number 2, Cat. No. 393B203G2.

Coil No.	Catalog Number	Coil No.	Catalog Number	Coil No.	Catalog Number	Coil No.	Catalog Number
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FOR IC2820-E500A, B, E AND F ONLY

2	393B202G2	22	393B203G21	42	393B203G39	212	393B203G12
3	393B203G3	23	393B203G21	43	723B258G5	213	393B203G13
4	393B203G4	24	723B258G1	44	723B258G5	214	393B203G14
5	393B203G5	25	723B258G1	45	393B203G40	215	393B203G15
6	393B203G6	26	723B258G2	46	393B203G41	216	393B203G16
7	393B203G7	27	723B258G3	47	393B203G42	217	393B203G17
8	393B203G8	28	723B258G2	48	393B203G43	218	393B203G18
9	393B203G9	29	723B258G3	49	723B258G6	219	393B203G19
10	393B203G10	30	393B203G24	50	723B258G7	220	393B203G20
11	393B203G11	31	393B203G28	54	723B258G8	221	393B203G20
12	393B203G12	32	393B203G29	202	393B203G2	222	393B203G21
13	393B203G13	33	393B203G30	203	393B203G3	223	393B203G21
14	393B203G14	34	393B203G31	204	393B203G4	224	112B9890G1
15	393B203G15	35	393B203G32	205	393B203G5	225	112B9890G1
16	393B203G16	36	393B203G33	206	393B203G6	226	112B9890G2
17	393B203G17	37	393B203G34	207	393B203G7	227	112B9890G3
18	393B203G18	38	393B203G35	208	393B203G8	228	112B9890G2
19	393B203G19	39	393B203G36	209	393B203G9	229	112B9890G3
20	393B203G20	40	393B203G37	210	393B203G10	230	393B203G24
21	393B203G20	41	393B203G38	211	393B203G11	231	393B203G3

(FORMS C, D, AND N)

2	393B203G2	9	393B203G9	15	393B203G15	21	393B203G20
3	393B203G3	10	393B203G10	16	393B203G16	22	393B203G21
4	393B203G4	11	393B203G11	17	393B203G17	23	393B203G21
5	393B203G5	12	393B203G12	18	393B203G18	24	723B258G4
6	393B203G6	13	393B203G13	19	393B203G19	25	723B258G4
7	393B203G7	14	393B203G14	20	393B203G20	26	393B203G24
8	393B203G8						

(FORMS L AND M)

†101, ø201	393B203G22	102, ø202	393B203G23	103, ø203	393B203G25	104, ø204	393B203G27
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(FORMS P AND R)

101, ø201	393B203G23	102, ø202	393B203G27				
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† Order resistor IC9006A160H 3000EA-TH separately. Not included with coil Cat. No.  
ø For left-hand connections.

# DS2820-E500 RELAYS

GEF-4103

(FORMS AA THRU AX)

Coil No.	Catalog Number	Coil No.	Catalog Number	Coil No.	Catalog Number	Coil No.	Catalog Number
2	393B203G2	22	393B203G21	44	723B258G5	211	393B203G11
3	393B203G3	23	393B203G21	45	393B203G40	212	393B203G12
4	393B203G4	24	723B258G1	46	393B203G41	213	393B203G13
5	393B203G5	25	723B258G1	47	393B203G42	214	393B203G14
6	393B203G6	26	723B258G2	48	393B203G43	215	393B203G15
7	393B203G7	28	723B258G2	49	723B258G6	216	393B203G16
8	393B203G8	30	393B203G24	55	393B203G44	217	393B203G17
9	393B203G9	31	393B203G28	*101	393B203G22	218	393B203G18
10	393B203G10	32	393B203G29	102	393B203G23	219	393B203G19
11	393B203G11	33	393B203G30	103	393B203G25	220	393B203G20
12	393B203G12	34	393B203G31	202	393B203G2	221	393B203G20
13	393B203G13	35	393B203G32	203	393B203G3	222	393B203G21
14	393B203G14	36	393B203G33	204	393B203G4	223	393B203G21
15	393B203G15	37	393B203G34	205	393B203G5	224	112B9890G1
16	393B203G16	38	393B203G35	206	393B203G6	225	112B9890G1
17	393B203G17	39	393B203G36	207	393B203G7	226	112B9890G2
18	393B203G18	40	393B203G37	208	393B203G8	228	112B9890G2
19	393B203G19	41	393B203G37	209	393B203G9	230	393B203G24
20	393B203G20	42	393B203G38	210	393B203G10	231	393B203G31
21	393B203G20	43	723B258G5				

\* Partial voltage coil must use series resistor.

## SWITCH UNITS

NOTE: The switch unit is identified by the letter following the coil number in the IC designation.

EXAMPLE: DS2820-E500-A-2-B requires switch unit letter B, Cat. No. IC2956A200C.

Switch Unit Letter	Ref. No. 2	δSet of Switch Unit Contacts	Ref. No. 3	Ref. No. 4	Ref. No. 5
	Switch Unit		Insulation between Switch Unit and Support	Mounting Screw	Lock Washer for Screw
	Cat. No.		Cat. No.	Cat. No.	Cat. No.
A	IC2956A200H	6960053G2	576A212P1	576A144P5	N403P16B6
B	IC2956A200C	6960053G3	576A212P1	576A144P5	N403P16B6
C	IC2956A200B	6960053G3	576A212P1	576A144P5	N403P16B6
D	IC2956A200A	6960053G3	576A212P1	576A144P5	N403P16B6
E	IC2956A200B	6960053G3	576A212P1	576A144P5	N403P16B6
F	IC2956A200T	6960053G3	576A212P1	576A144P5	N403P16B6
G	IC2956A200U	6960053G3	576A212P1	576A144P5	N403P16B6

COMPLETE LIST OF PARTS

GEF-4103

DS2820-E500 RELAYS

Ref. No.	Number Required for DS2820-E500-														Catalog Number	Description	
	A AA AK	B AB AJ AL AS AV AW	C	D	E AE AM	F	G AG AP	H AH AR AT AX	J	L	M	N	P	R			S
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	576A211P2	Coil retainer
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	576A201G1	Magnet frame
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	576A204P1	Support for magnet frame
9	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	576A145P2	Screw fastening support to base
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N51P15022B6	Screw fastening magnet frame to support (8-32, 1 3/4 in. flat hd, pro. fin.)
10	1	1	-	-	1	1	1	1	1	1	1	1	1	-	-	576A203P1	Armature
10	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	576A203P4	Armature
10	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	576A203P2	Armature
10	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	576A203P3	Armature
11	1	1	1	1	1	1	-	-	1	1	1	1	1	1	1	576A215P1	Compression spring for armature
11	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	576A713P1	Compression spring for armature
11	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	147A5840	Compression spring for armature
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	576A207P1	Guide for compression spring
13	1	1	-	-	1	1	-	-	1	-	-	-	-	1	1	NP161765A	Indicating and rating plate
13	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	NP161765B	Indicating and rating plate
13	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	NP161872	Indicating and rating plate
13	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	NP161872A	Indicating and rating plate
13	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	NP161915	Indicating and rating plate
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N57P13020	Screw fastening guide and plate to magnet frame (6-32, 1 1/4 in. pan hd, pro. fin.)
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N57P13004B6	Screw fastening plate to magnet frame support (6-32, 1/4 in. pan hd, pro. fin.)
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	576A208P1	Indicator for compression spring
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	576A552P1	Pivot for armature
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	232A3325G1	Screw and washer assembly for compression spring
	-	1	-	-	1	1	-	-	1	1	-	-	-	1	-	576A205P1	Latch bar for armature (Forms B, C, H, J, L and R)
	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	576A205P2	Latch bar for armature (Forms D and E)
	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	138B8839P6	Latch bar for armature (Forms AB, AG, AH, AL and AR)
	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	138B8839P3	Latch bar for armature (Forms AE and AM)
	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	138B8839P7	Latch bar for armature (Forms AJ, AT, AV, AW and AX)
	1	1	-	-	1	-	-	1	-	-	1	-	-	-	-	138A2542P1	Spring for latch (Forms A, B, N, AB, AE, AN, AL, AM, AR, AS, AT, AV, AW, AX)
19	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	151A5884P1	Armature stop (all forms except C, D, and N)
19	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	576A210P1	Armature stop (Forms C, D and N)
20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N144P15006B6	Screw with lock washer fastening armature stop to support
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	576A200P1	Support for armature stop and switch unit
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	576A145P2	Screw fastening support to base
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	723B256P2	Base (Forms A thru T and AA, AG, AK and AP)
23	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	723B256P3	Base (Forms AB, AE, AH, AJ, and AR thru AX)
	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3667572G1	Contact tip assembly
	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	514448	Spring for contact tip
	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2461808	Contact block
	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	9385130G2	Contact bracket assembly
	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	9092631P1	Contact support
	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	576A200P3	Bracket
	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	205A8905	Contact arm
	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	N146P1306C	Mounting screw for contact bracket assembly (#6 x 3/8 pan hd thread cutting)
	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	N144P13006C	Mounting screw with lock washer for bracket

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