

GENERAL ELECTRIC

GENERAL ELECTRIC COMPANY, SCHENECTADY, N. Y., SALES OFFICES IN PRINCIPAL CITIES

August, 1928

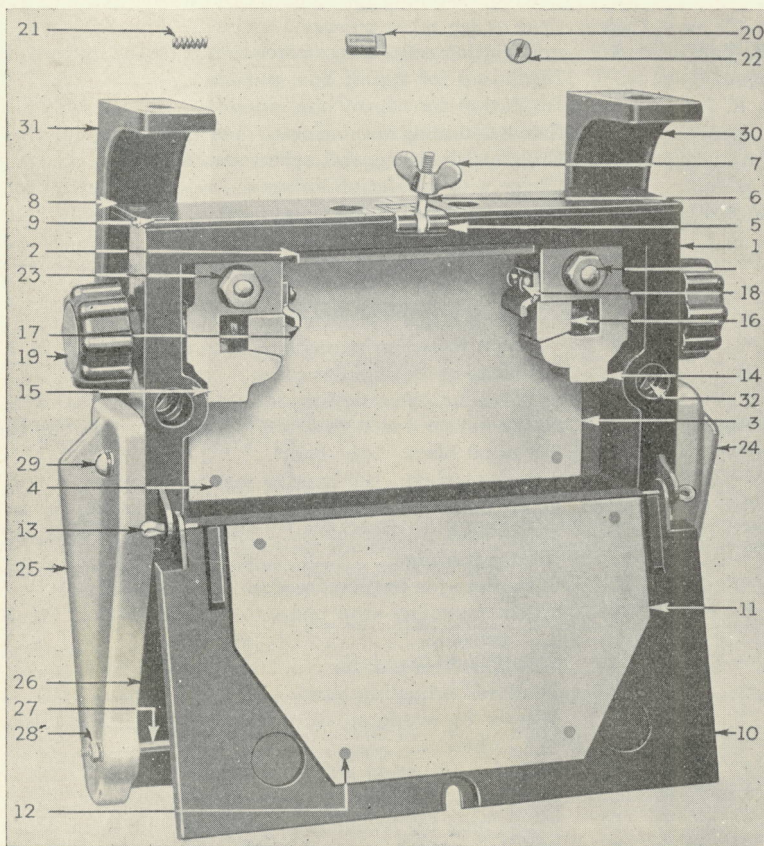


*GEF-397A

PARTS OF TYPE MA-13 FUSE BOXES FORMS A, B, F AND J

Cat. No.	Description
2172658	Type MA-13, Form F Fuse box, 500 amperes, 600 volts.....
71D368	Type MA-13, Form J Fuse box, 500 amperes, 600 volts.....

The type MA-13, Forms A and B Fuse Boxes have been superseded by the type MA-13, Form F Fuse Box. For the convenience of customers having the superseded Fuse Boxes their parts are also listed.



TYPE MA-13 FORM F FUSE BOX

Ref No.	Cat. No.	Form	No. Required	Description
1	49330	A	1	Box with linings and catch plate for cover.....
1	145491	B	1	Box with linings and spring catch for cover.....
1	269660	F, J	1	Box with linings and eye bolt for cover.....
2	49312	All Forms	1	Insulation lining for top of box, inside.....

NOTE.—Data subject to change without notice.
* Supersedes GEF-397.

GEF-397A Parts of Type MA-13 Fuse Boxes

Ref. No.	Cat. No.	Form	No. Required	Description
3	423757	B, F, J	1	Insulation lining for back of box.....
	221416	All Forms	2	Rivet fastening No. 422312 to box ($\frac{1}{8}$ in. by $\frac{3}{4}$ in. csk. h.).....
4	221417	B, F, J	4	Rivet fastening No. 423757 to box ($\frac{1}{8}$ in. by $\frac{5}{8}$ in. csk. h. copper).....
	414722	A	2	Washer for No. 221416 ($\frac{1}{8}$ in. by $\frac{1}{4}$ in. by 0.034 in.).....
	414722	B, F, J	8	Washer for No. 221416 or 221417 ($\frac{1}{8}$ in. by $\frac{1}{4}$ in. by 0.034 in.).....
	49331	A	1	Catch plate for cover.....
	1449831	B	1	Spring catch for cover.....
5	269661	F, J	1	Eyebolt with wing nut and hinge plate.....
6	269662	"	1	Eyebolt with wing nut.....
7	415356	"	1	Wing nut.....
	113296	"	1	Hinge pin for eyebolt ($\frac{3}{16}$ in. by 1 in.).....
	153146	A	3	Screw fastening catch plate to box (10-30, $\frac{1}{2}$ in. f.h. brass).....
	432899	B	1	Washer plate between spring catch and box.....
	221418	"	2	Rivet fastening spring catch and washer plate to box (0.140 in. by $\frac{1}{16}$ in. r.h.).....
	269663	F, J	2	Rivet fastening hinge plate to box (0.148 in. by $\frac{7}{16}$ in. button h.).....
8	49336	A	1	Insulation for top of box, outside.....
8	1430862	B, F, J	1	Insulation for top of box, outside.....
9	174827	All Forms	7	Screw fastening insulation to box (No. 8, $\frac{1}{2}$ in. f.h. sherardized).....
10	49332	A	1	Cover with lining and spring catch.....
10	145492	B	1	Cover with insulation lining and releasing button for spring catch.....
10	269664	F, J	1	Cover with insulation lining and lug for eyebolt.....
11	423757	B, F, J	1	Insulation lining for cover.....
12	221417	"	4	Rivet fastening insulation lining to cover ($\frac{1}{8}$ in. by $\frac{5}{8}$ in. csk. h. copper)
	414722	"	4	Washer for rivet ($\frac{1}{8}$ in. by $\frac{1}{4}$ in. by 0.034 in.).....
	49333	A	1	Spring catch for cover.....
	207198	"	3	Screw fastening nameplate to cover (8-36, $\frac{5}{16}$ in. f.h. sherardized)....
	415447	B	1	Releasing button for cover.....
	442260	"	1	Rivet for releasing button.....
13	221419	All Forms	2	Hinge pin for cover ($\frac{3}{16}$ in. by $\frac{5}{8}$ in. sherardized spring cotter).....
14	49337	"	1	Terminal block, right-hand.....
15	49338	"	1	Terminal block, left-hand.....
	126912	"	8	Screw fastening terminal block to box (14-24, $\frac{3}{4}$ in. r.h. sherardized)..
	154193	"	8	Spring lock washer for No. 126912 ($\frac{17}{64}$ in. by $\frac{29}{64}$ in. by $\frac{3}{8}$ in. thick).....
16	49339	"	2	Terminal wedge.....
17	494359	"	2	Stop plate for terminal wedge.....
18	206209	"	4	Screw fastening stop plate to terminal block (10-30, $\frac{5}{16}$ in. r.h. sherardized).....
	154191	"	4	Spring lock washer for No. 206209 ($\frac{13}{64}$ in. by $\frac{25}{64}$ in. by 0.0625 in.).....
19	421427	"	2	Insulated adjusting screw ($\frac{3}{8}$ in.-16 thread, sp'l).....
	148995	"	2	Washer for insulated adjusting screw ($\frac{23}{32}$ in. by $1\frac{1}{8}$ in. by 0.0625 in. sherardized).....
20	49341	"	2	Stop for adjusting screw.....
21	145497	"	2	Compression spring for stop.....
22	145498	"	2	Screw plug for terminal block ($\frac{1}{2}$ in.-13, $\frac{3}{16}$ in. long, sherardized).....
	2409839	"	2	Stop screw for fuse (10-30, $\frac{13}{32}$ in. fill. h. brass, sp'l).....
	49345	"	2	Cable terminal.....
23	141257	"	2	Nut for cable terminal ($\frac{3}{8}$ in.-16, $\frac{1}{4}$ in. thick, hex. st'd, sherardized)....
	139517	"	2	Spring lock washer for No. 141257 ($\frac{13}{32}$ in. by $\frac{25}{32}$ in. by 0.0625 in.).....
	49346	A, B	1	Arc chute, consists of side, front and back plates.....
	269665	F	1	Arc chute, consists of side, front and back plates and tie rod.....
24	49347	A, B	1	Side plate, right-hand.....
24	1435518	F	1	Side plate, right-hand.....

Parts of Type MA-13 Fuse Boxes GEF-397A

Ref. No.	Cat. No.	Form	No. Required	Description
25	49348	A, B	1	Side plate, left-hand.....
25	1435517	F	1	Side plate, left-hand.....
26	49349	A, B	1	Front plate.....
26	1435520	F	1	Front plate.....
	49350	A, B	1	Back plate.....
	1435519	F	1	Back plate.....
	39546	A, B	10	Screw fastening front and back plates to side plates (No. 10, 3/4 in. r.h. blued).....
	154191	"	10	Spring lock washer for No. 39546 (13/64 in. by 25/64 in. by 0.0625 in.).....
27	2409840	F	1	Tie rod for arc chute.....
28	175539	"	2	Nut for tie rod (10-30, hex. st'd, sherardized).....
	150279	"	2	Washer for tie rod (13/64 in. by 13/32 in. by 0.044 in. sherardized).....
	154191	"	2	Spring lock washer for No. 175539 (13/64 in. by 25/64 in. by 0.0625 in.).....
29	151719	A, B	4	Screw fastening arc chute to box (14-24, 7/8 in. f.h. sherardized).....
29	133475	F	4	Screw fastening arc chute to box (14-24, 1 1/8 in. r.h. sherardized).....
	143974	"	4	Washer for No. 133475 (17/64 in. by 1/2 in. by 0.0625 in. sherardized).....
	154194	"	4	Spring lock washer for No. 133475 (17/64 in. by 23/64 in. by 5/64 in. thick).....
30	49351	All Forms	1	Supporting bracket for box, right-hand.....
31	49352	"	1	Supporting bracket for box, left-hand.....
32	176296	"	2	Screw fastening supporting bracket to box (3/8 in.-16, 1 3/4 in. fill. h. sherardized).....
	221420	"	2	Washer for No. 176296 (25/64 in. by 5/8 in. by 0.0625 in. sherardized).....

COPPER RIBBON FUSES

FOR TYPE MA-13 MAGNETIC BLOWOUT FUSE BOXES

RATING

A fuse is rated at one-half the current at which it will blow in 30 seconds.

In selecting fuses their ampere rating should equal the hourly ampere rating of the motor or the total ampere rating of the combined motors to be protected.

FUNCTION OF HOLE AT CENTER OF FUSE

The hole in the fuse which is located at the center of the copper ribbon is for the double purpose of localizing the heating and for causing the arc to rupture at the center of the magnetic field. This insures positive arc rupture, minimum fusing of ribbon and prevents burning of terminals.

Amperes		Cat. No.	Copper Ribbon Data		
Rating	Blows in 30 Sec.		Dimensions in Inches	Size of Hole	No. of Laminations
75	150	42504	0.005 by 3/4 by 6 5/8	9/16 in.	1
100	200	38663	0.005 by 3/4 by 6 5/8	1/2 "	1
125	250	29428	0.005 by 1 by 6 5/8	5/8 "	1
150	300	29429	0.005 by 1 by 6 5/8	1/2 "	1
175	350	38664	0.007 by 1 by 6 5/8	9/16 "	1
200	400	29430	0.005 by 1 by 6 5/8	5/8 "	2
250	500	41248	0.007 by 1 by 6 5/8	5/8 "	2
300	600	44306	0.005 by 1 by 6 5/8	1/2 "	3
350	700	58225	0.005 by 1 by 6 5/8	1/2 "	4
400	800	64858	0.007 by 1 by 6 5/8	1/2 "	4
500	1000	157027	0.007 by 1 by 6 5/8	1/2 "	6

GENERAL ELECTRIC COMPANY

GENERAL OFFICE



SCHENECTADY, N. Y.

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Akron, Ohio.....	159 South Main Street	Memphis, Tenn.....	130 Madison Avenue
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Binghamton, N. Y.....	19 Chenango Street	Nashville, Tenn.....	234 Third Avenue, North
Birmingham, Ala.....	602 North Eighteenth Street	Newark, N. J.....	20 Washington Place
Bluefield, W. Va.....	307 Federal Street	New Haven, Conn.....	129 Church Street
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Special service divisions are also maintained at the following works of the Company: Erie, Pa.; Ft. Wayne, Ind.; Oakland, Calif.; Pittsfield, Mass.; Schenectady, N. Y.; and West Lynn, Mass.—River Works and West Lynn Works

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INTERNATIONAL GENERAL ELECTRIC COMPANY, INC.

New York City, 120 Broadway

General Sales Offices, Schenectady, N. Y.

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