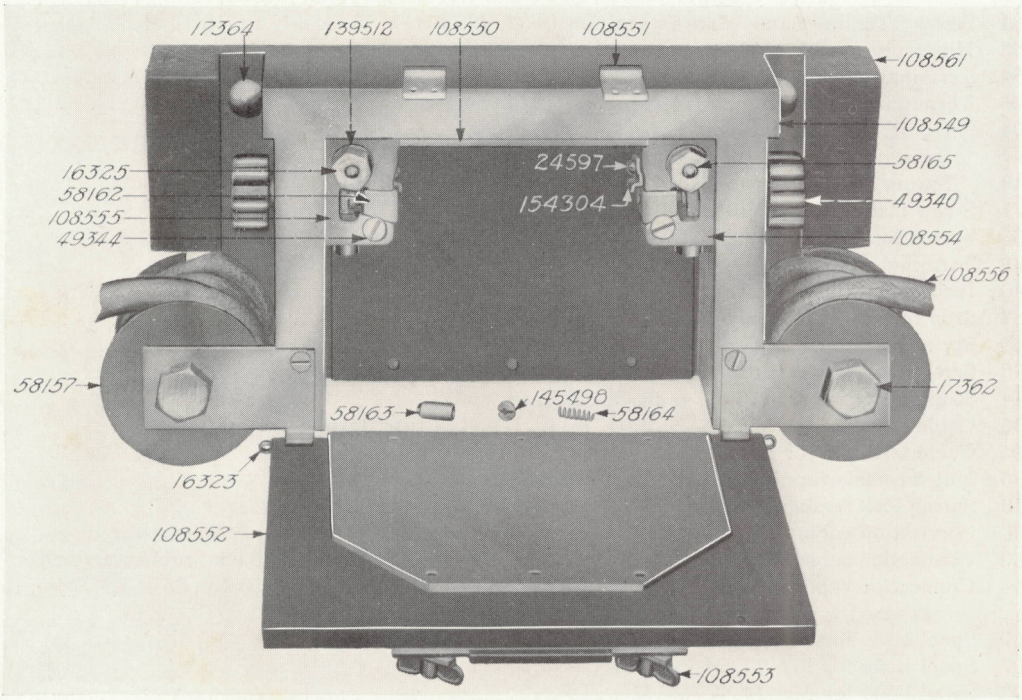
General Electric Company
Schenectady, N.Y.

SUPPLY DEPARTMENT

April, 1914 — *Bulletin No. 54710*

*PARTS OF TYPE MA-14, FORMS E, F, G, H, K, L, M AND N MAGNETIC BLOWOUT FUSE BOXES



TYPE MA-14, FORM H MAGNETIC BLOWOUT FUSE BOX

NOTE.—The Type MA-14, Forms E, F, G, H, K, L, M and N magnetic blowout fuse boxes differ principally in the method of suspension. The Forms E, M and N are supported by iron brackets; the Forms F, H and K by wooden blocks; the Forms G and L are not supplied with brackets.

Cat. No.	Description
66048	Type MA-14, Form E magnetic blowout fuse box, complete, 1000 amp., 600 volts
66049	Type MA-14, Form F magnetic blowout fuse box, complete, 1000 amp., 600 volts
66050	Type MA-14, Form G magnetic blowout fuse box, complete, 1000 amp., 600 volts
66051	Type MA-14, Form H magnetic blowout fuse box, complete, 500 amp., 1200 volts
114829	Type MA-14, Form K magnetic blowout fuse box, complete, 600 amp., 1200 volts
134695	Type MA-14, Form L magnetic blowout fuse box, complete, 1000 amp., 600 volts
134696	Type MA-14, Form M magnetic blowout fuse box, complete, 800 amp., 1200 volts
146710	Type MA-14, Form N magnetic blowout fuse box, complete, 800 amp., 1200 volts

NOTE.—The data in this publication are for the convenience of customers, and every effort is made to avoid error, but this Company does not guarantee their correctness, nor does it hold itself responsible for any errors or omissions in this publication. Subject to change without notice.

*Fuses are listed on page three.

54710–2 *Type MA-14, Forms E, F, G, H, K, L, M and N Magnetic Blowout Fuse Boxes*

Cat. No.	Description
	Following are the parts:
108548	BOX, complete, with linings and spring catches for cover, for MA-14, E, F and G fuse boxes
108549	Box, complete, with linings and spring catches for cover, for MA-14, H and K fuse boxes
154301	Box, complete, with linings and spring catches for cover, for MA-14, L fuse box
154302	Box, complete, with linings and spring catches for cover, for MA-14, M fuse box
154303	Box, complete, with linings and spring catches for cover, for MA-14, N fuse box
108550	Lining for top of box
108551	Spring catch for cover, with tip, rivets, washer plates and washer
108552	Cover, complete, with releasing buttons for spring catches
108553	Releasing button with pin, washer plate and rivets
23261	Screw fastening name plate in position (8-32, ¼ in. r. h. blued)
16323	Hinge pin for cover ($\frac{3}{16}$ in. by 1½ in. spring cotter)
108554	Terminal block with guard, right-hand
108555	Terminal block with guard, left-hand
154304	Guard for terminal blocks
24597	Screw fastening guard to terminal blocks (10-32, ¼ in. r. h. brass)
148636	Spring lock washer for No. 24597 ($\frac{13}{64}$ in. by $\frac{25}{64}$ in. by $\frac{1}{32}$ in.)
30371	Screw fastening Nos. 108554, 108555 in position ($\frac{5}{16}$ in.–18, 1¼ in. r. h. blued)
154195	Spring lock washer for No. 30371 ($\frac{21}{64}$ in. by $\frac{37}{64}$ in. by $\frac{5}{64}$ in.)
58162	Terminal wedge
49340	Insulated adjusting screw (⅜ in.–16, thread, sp'l)
58163	Stop for adjusting screw
58164	Spring for stop
145498	Screw plug for terminal block
49344	Stop screw for fuse (10-32, $\frac{7}{16}$ in. fill. h. brass, sp'l)
58165	Cable terminal for MA-14, E, F, G, H, K, L and N fuse boxes
154305	Cable terminal for MA-14, M fuse box
16325	Nut for cable terminal (½ in.–13, ½ in. thick, hex.)
139512	Spring lock washer for No. 16325 ($\frac{17}{32}$ in. by $1\frac{1}{32}$ in. by 0.0625 in.)
108556	Connection cable for MA-14, H fuse box (60 in. long, No. 00 B.&S. asbestos covered)
114830	Connection cable for MA-14, K and N fuse boxes (60 in. long, 250,000 c.m. rubber covered)
154306	Connection cable with sleeve for MA-14, M fuse box (72 in. long, 1750 No. 25 B.&S. wire, rubber covered)
108557	Spool body for MA-14, H and K fuse boxes
154307	Spool body for MA-14, M fuse box
154308	Spool body for MA-14, N fuse box
58157	Disk for spool, front of box, for MA-14, H, K and N fuse boxes, for back of box, for MA-14, Form N fuse box
108559	Disk for spool, back of box, for MA-14, H, K and N fuse boxes
17362	Bolt holding spool in position, for MA-14, H, K and N fuse boxes (¾ in.–10, 5 in. hex. h.)
154309	Bolt holding spool in position, for MA-14, N fuse box (¾ in.–10, 7½ in. hex. h.)
39343	Nut for No. 17362 (¾ in.–10, ⅝ in. thick, ½ in. across flats, hex, cham. one side)
16326	Nut for No. 154309 (¾ in.–10, hex., st'd)
108560	Supporting bracket for MA-14, E fuse box
154310	Supporting bracket, right-hand, for MA-14, M fuse box
154311	Supporting bracket, left-hand, for MA-14, M fuse box
154312	Supporting bracket, right-hand, for MA-14, N fuse box
154313	Supporting bracket, left-hand, for MA-14, N fuse box
154314	Supporting block for MA-14, F fuse box
108561	Supporting block for MA-14, H fuse box
114831	Supporting block for MA-14, K fuse box
17363	Bolt fastening Nos. 108560, 154312, 154313 to box (⅜ in.–16, 1½ in. carriage bolt)
17364	Bolt fastening Nos. 154310, 154311, 154314, 108561, 114831 to box (⅜ in.–16, 2 in. carriage bolt)
4031	Nut for Nos. 17363, 17364 (⅜ in.–16, ⅜ in. thick, hex.)
139517	Spring lock washer for Nos. 17363, 17364 for MA-14, M and N fuse boxes ($\frac{13}{32}$ in. by $\frac{25}{32}$ in. by $\frac{3}{32}$ in.)

Cat. No.	Description
21392	Washer for No. 17364, for MA-14, F, H and K fuse boxes ($\frac{13}{32}$ in. by $\frac{3}{4}$ in. by 0.0625 in.)
17365	Washer for No. 17364 for MA-14, H and K fuse boxes ($\frac{13}{32}$ in. by $1\frac{1}{4}$ in. by 0.125 in. fiber)
136144	Suspension insulator, complete, consists of 2 insulators No. 141970; 2 clamping washers No. 141972; 4 insulating washers No. 141975 and 2 supporting washers No. 141977, for MA-14, N fuse box
141970	Porcelain insulator
141972	Clamping washer ($\frac{17}{32}$ in. hole, sheet steel, sherardized, sp'l)
141975	Insulating washer ($1\frac{5}{16}$ in. hole, fiber, sp'l)
141977	Supporting washer ($1\frac{5}{16}$ in. hole, sheet steel, sherardized, sp'l)
154315	Suspension bolt for MA-14, N fuse box ($\frac{1}{2}$ in.–13, $8\frac{1}{2}$ in. sq. h.)
16325	Nut for No. 154315 ($\frac{1}{2}$ in.–13, $\frac{1}{2}$ in. hex.)
139512	Spring lock washer for No. 16325 ($\frac{17}{32}$ in. by $1\frac{1}{32}$ in. by 0.0625 in.)
49110	Cable clasp connector for MA-14, H fuse box
49111	Cable clasp connector for MA-14, K fuse box

COPPER RIBBON FUSES FOR THE TYPE MA-14 MAGNETIC BLOWOUT FUSE BOXES

Rating

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

In selecting a fuse its ampere rating should equal approximately the one-hour current rating of the motor or motors to be protected.

FUNCTION OF HOLE AT CENTER OF FUSE

The hole located at the center of the copper ribbon is for the double purpose of localizing the heating and 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		Catalogue Number	COPPER RIBBON DATA		
Rating	Blows in 30 Sec.		Dimensions in Inches	Size of Hole	No. of Laminations
100	200	62560	0.005 by 1 by $7\frac{7}{8}$	$\frac{5}{8}$	1
150	300	113167	0.005 by 1 by $7\frac{7}{8}$	$\frac{1}{2}$	1
200	400	66670	0.007 by 1 by $7\frac{7}{8}$	$\frac{9}{16}$	1
250	500	49402	0.005 by $1\frac{1}{2}$ by $7\frac{7}{8}$	$\frac{5}{8}$	1
300	600	49403	0.007 by $1\frac{1}{2}$ by $7\frac{7}{8}$	$\frac{11}{16}$	1
350	700	49404	0.005 by $1\frac{1}{2}$ by $7\frac{7}{8}$	$\frac{3}{4}$	2
400	800	49405	0.005 by $1\frac{1}{2}$ by $7\frac{7}{8}$	$\frac{9}{16}$	2
500	1000	49406	0.007 by $1\frac{1}{2}$ by $7\frac{7}{8}$	$\frac{9}{16}$	2
600	1200	49407	0.007 by $1\frac{1}{2}$ by $7\frac{7}{8}$	$\frac{11}{16}$	3
700	1400	49408	0.007 by $1\frac{1}{2}$ by $7\frac{7}{8}$	$\frac{1}{2}$	3
800	1600	113168	0.007 by $1\frac{1}{2}$ by $7\frac{7}{8}$	$\frac{9}{16}$	4

GENERAL ELECTRIC COMPANY

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