

General Electric Company

Schenectady, N.Y.

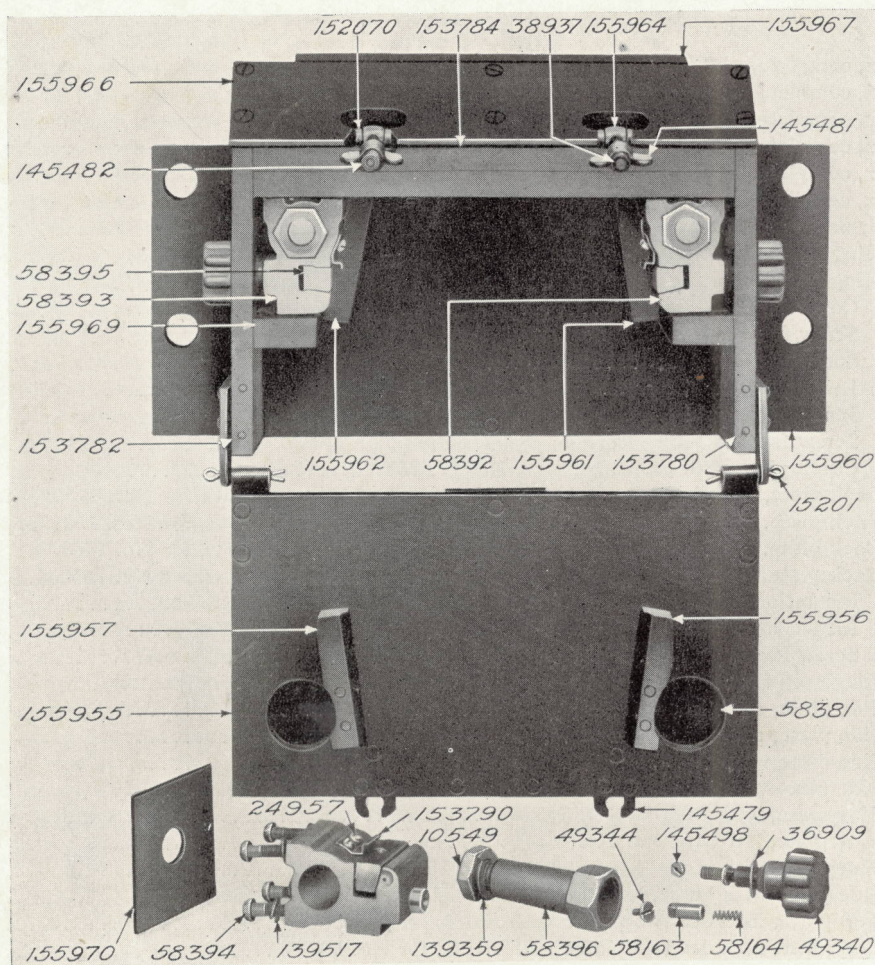
SUPPLY DEPARTMENT

May, 1914

*Bulletin No. 54711

†PARTS OF TYPE MA-12, FORMS A, B, D, E, G AND H MAGNETIC BLOWOUT FUSE BOXES

NOTE.—The accompanying illustration of the Type MA-12, Form H magnetic blowout fuse box, Cat. No. 155873, is also representative of the Forms A, B, D, E and G.



TYPE MA-12, FORM H MAGNETIC BLOWOUT FUSE BOX

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 4.

*Supersedes in part Bulletin No. 4648.

GENERAL ELECTRIC COMPANY

54711-2 Parts of Type MA-12, Forms A, B, D, E, G and H Magnetic Blowout Fuse Boxes

Cat. No.	Description
35304	Type MA-12, Form A magnetic blowout fuse box, complete, 1500 amp., 600 volts.....
38669	Type MA-12, Form B magnetic blowout fuse box, complete, 1500 amp., 600 volts. Differs from Form A in having a weather shield for the top.....
134693	Type MA-12, Form D magnetic blowout fuse box, complete, 1500 amp., 600 volts. Differs from Form A in having a hinged cover which is held closed by two thumbnuts.....
134694	Type MA-12, Form E magnetic blowout fuse box, complete, 1500 amp., 600 volts. Differs from Form A in having a weather shield for the top as on the Form B and a hinged cover as on the Form D.....
155872	Type MA-12, Form G magnetic blowout fuse box, complete, 1500 amp., 600 volts. Differs from Form A in having a weather shield for the top as on the Form B, a hinged cover as on the Form D and insulation shields for terminals on hinged cover and back plate.....
155873	Type MA-12, Form H magnetic blowout fuse box, complete, 1500 amp., 600 volts. Differs from Form A in having front and back weather shields for the top, a hinged cover as on the Form D and insulation shields as on the Form G.....

Following are the parts:

58378	Box, complete, without terminal blocks, terminals or insulated adjusting screws, for No. 35304....
58379	Box, complete, without terminal blocks, terminals or insulated adjusting screws, for No. 38669....
153775	Box, complete, without terminal blocks, terminals or insulated adjusting screws, for No. 134693....
153776	Box, complete, without terminal blocks, terminals or insulated adjusting screws, for No. 134694....
155953	Box, complete, without terminal blocks, terminals or insulated adjusting screws, for No. 155872....
155954	Box, complete, without terminal blocks, terminals or insulated adjusting screws, for No. 155873....
58380	Front plate with pole pieces, barrier and angle irons, for Nos. 58378, 58379.....
153777	Hinged cover with pole pieces, barrier and angle irons, for Nos. 153775, 153776.....
155955	Hinged cover with pole pieces, barrier and angle irons, for Nos. 155953, 155954.....
58381	Cover for cable hole.....
10076	Screw fastening No. 58381 to Nos. 58380, 153777 (10-32, $\frac{3}{8}$ in. f. h.).....
152104	Screw fastening No. 58381 to No. 155955 (10-30, $\frac{3}{8}$ in. f. h.).....
155956	Insulation shield for terminals, right-hand, for No. 155955.....
155957	Insulation shield for terminals, left-hand, for No. 155955.....
155958	Screw fastening Nos. 155956, 155957 in position (10-30, $\frac{7}{8}$ in. f. h.).....
145479	Catch plate with rivets, for Nos. 153777, 155955.....
58382	Back plate, includes two plates, with pole pieces and angle irons, for Nos. 58378, 58379.....
153778	Back plate, includes two plates, with pole pieces and angle irons, for Nos. 153775, 153776.....
155959	Back plate, includes two plates, with pole pieces and angle irons, for No. 155953.....
155960	Back plate, includes two plates, with pole pieces and angle irons, for No. 155954.....
155961	Insulation shield for terminal, right-hand, for Nos. 155959, 155960.....
155962	Insulation shield for terminal, left-hand, for Nos. 155959, 155960.....
155958	Screw fastening Nos. 155961, 155962 in position (10-32, $\frac{7}{8}$ in. f. h.).....
15201	Hinge pin for back plates and hinged covers ($\frac{1}{4}$ in. by 2 in. spring cotter).....
58383	Side plate, right hand, for No. 58378.....
58384	Side plate, right-hand, for No. 58379.....
153779	Side plate with hinge, right-hand, for No. 153775.....
153780	Side plate with hinge, right-hand, for Nos. 153776, 155953, 155954.....
58385	Side plate, left-hand, for No. 58378.....
58386	Side plate, left-hand, for No. 58379.....
153781	Side plate with hinge, left-hand, for No. 153775.....
153782	Side plate with hinge, left-hand, for Nos. 153776, 155953, 155954.....
58387	Top plate, includes two plates with rivets, for No. 58378.....
58388	Top plate, includes two plates with rivets, for No. 58379.....
153783	Top plate with eyebolts and wingnuts, includes two plates with rivets, for No. 153775.....
153784	Top plate with eyebolts and wingnuts, includes two plates with rivets, for Nos. 153776, 155953, 155954.....
155964	Eyebolt for Nos. 153783, 153784 ($\frac{5}{16}$ in.-18, $2\frac{3}{16}$ in. long, sherardized, sp'1).....
145481	Wingnut for eyebolt ($\frac{5}{16}$ in.-18, sherardized, sp'1).....
152070	Hinge plate with rivets, for eyebolt.....

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Parts of Type MA-12, Forms A, B, D, E, G and H Magnetic Blowout Fuse Boxes 54711-3

Cat. No.	Description
155965	Hinge pin for eyebolt ($\frac{1}{4}$ in. diameter, $1\frac{5}{8}$ in. r. h.)
145482	Spring for wingnut
38937	Washer for spring ($\frac{17}{64}$ in. by $\frac{1}{2}$ in. by 0.060 in.)
58389	Top cover for No. 58379
153785	Top cover for Nos. 153776, 155953
155966	Top cover, front, for No. 155954
155967	Top cover, back, for No. 155954
58390	Support for Nos. 58389, 153785
155968	Support for No. 155966
10576	Screw fastening Nos. 58389, 153785, 155966 to support ($\frac{5}{16}$ in.-18, 1 in. f. h.)
10298	Screw fastening No. 155967 in position (14-24, $\frac{7}{8}$ in. f. h.)
29423	Screw fastening Nos. 58390, 155968 to top plates (14-24, $1\frac{1}{4}$ in. f. h.)
58391	Support for terminal blocks, for Nos. 58378, 58379, 153776
153786	Support for terminal block, right-hand, for No. 153775
153787	Support for terminal block, left-hand, for No. 153775
155969	Support for terminal blocks, for Nos. 155953, 155954
21254	Long screw fastening front plate in position, for Nos. 58378, 58379 and fastening top cover to side plates for Nos. 58379, 153776, 155953, 155954 ($\frac{5}{16}$ in.-18, $1\frac{1}{4}$ in. f. h.)
10576	Short screw fastening front plate in position, for Nos. 58378, 58379 and screw fastening side plates and terminal block supports in position, for Nos. 58378, 58379, 153775, 153776, 155982, 155983 ($\frac{5}{16}$ in.-18, 1 in. f. h.)
58154	Screw fastening back plate in position ($\frac{5}{16}$ in.-18, $1\frac{1}{2}$ in. f. h.)
58392	Terminal block with guard, right-hand
58393	Terminal block with guard, left-hand
153790	Guard for Nos. 58392, 58393
24597	Screw fastening guard to terminal block (10-32, $\frac{1}{4}$ in. r. h. brass)
148636	Spring lock washer for No. 24597 ($\frac{3}{4}$ in. by $\frac{25}{64}$ in. by $\frac{1}{32}$ in. thick)
153788	Insulation shield for No. 58392, for Form D fuse box only
153789	Insulation shield for No. 58393, for Form D fuse box only
1887	Screw fastening Nos. 153788, 153789 in position (14-24, $\frac{3}{4}$ in. f. h.)
58394	Screw fastening Nos. 58392, 58393 in position ($\frac{3}{8}$ in.-16, $1\frac{1}{4}$ in. r. h. blued)
139517	Spring lock washer for No. 58394 ($\frac{3}{8}$ in. by $\frac{25}{64}$ in. by 0.0625 in.)
58395	Terminal wedge
49340	Insulated adjusting screw ($\frac{3}{8}$ in.-16, thread, sp'l)
36909	Washer for No. 49340 ($\frac{3}{8}$ in. by $1\frac{1}{8}$ in. by 0.0625 in.)
58163	Stop for adjusting screw
58164	Spring for stop
145498	Screw plug for terminal block ($\frac{1}{2}$ in.-13, $\frac{3}{16}$ in. long, sherardized)
49344	Stop screw for fuse (10-32, $\frac{7}{16}$ in. fill. h. brass, sp'l)
58396	Cable terminal
10549	Nut for No. 59396 ($\frac{7}{8}$ in.-9, $\frac{1}{2}$ in. thick, hex. cham. one side)
139359	Spring lock washer for No. 10549 ($\frac{29}{64}$ in. by $1\frac{13}{32}$ in. by 0.0625 in. sherardized)
155970	Insulation washer plate for cable, for Nos. 155953, 155954

COPPER RIBBON FUSES FOR THE TYPE MA-12 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.

GENERAL ELECTRIC COMPANY

54711-4 Parts of Type MA-12, Forms A, B, D, E, G and H Magnetic Blowout Fuse Boxes

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		Catalog Number	COPPER RIBBON DATA		
Rating	Blows in 30 sec.		Dimensions in Inches	Size of Hole	Number Laminations
700	1400	105705	0.007 by 2½ by 11⅞	⅞	2
800	1600	139326	0.005 by 2½ by 11⅞	¾	3
900	1800	38668	0.005 by 2½ by 11⅞	⅓	3
1000	2000	139327	0.005 by 2½ by 11⅞	1⅙	4
1200	2400	34329	0.005 by 2½ by 11⅞	¾	4
1500	3000	127121	0.005 by 2½ by 11⅞	¾	5

General Electric Company

Principal Offices, Schenectady, N. Y.

SALES OFFICES

(Address nearest office)

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|---|--|
| <p>Atlanta, Ga., Third National Bank Building
 Baltimore, Md., Electrical Building
 Birmingham, Ala., Brown-Marx Building
 Boise, Idaho., Idaho Building
 Boston, Mass., 84 State Street
 Buffalo, N. Y., Electric Building
 Butte, Mont., Electric Building
 Charleston, W. Va., Charleston National Bank Building
 Charlotte, N. C., Commercial National Bank Building
 Chattanooga, Tenn., James Building
 Chicago, Ill., Monadnock Building
 Cincinnati, Ohio, Provident Bank Building
 Cleveland, Ohio, Illuminating Building
 Columbus, Ohio, Columbus Savings & Trust Building
 Dayton, Ohio, Schwind Building
 Denver, Colo., First National Bank Building
 Des Moines, Iowa, Hippee-Polk Building
 Detroit, Mich., Dime Savings Bank Building (Office of Solicit'g Agent)
 Elmira, N. Y., Hulett Building
 Erie, Pa., Marine National Bank Building
 Fort Wayne, Ind., Fort Wayne Electric Works
 Hartford, Conn., Hartford National Bank Building
 Indianapolis, Ind., Traction Terminal Building
 Jacksonville, Fla., Heard National Bank Building
 Joplin, Mo., Miners' Bank Building
 Kansas City, Mo., Dwight Building
 Knoxville, Tenn., Bank & Trust Building</p> | <p>Los Angeles, Cal., 124 West Fourth Street
 Louisville, Ky., Starks Building
 Memphis, Tenn., Randolph Building
 Milwaukee, Wis., Public Service Building
 Minneapolis, Minn., 410 Third Ave., North
 Nashville, Tenn., Stahlman Building
 New Haven, Conn., Second National Bank Building
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 New York, N. Y., 30 Church Street
 Niagara Falls, N. Y., Gluck Building
 Omaha, Neb., Union Pacific Building
 Philadelphia, Pa., Witherspoon Building
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 Portland, Ore., Electric Building
 Providence, R. I., Turks Head Building
 Richmond, Va., Virginia Railway & Power Building
 Rochester, N. Y., Granite Building
 St. Louis, Mo., Pierce Building
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 San Francisco, Cal., Rialto Building
 Seattle, Wash., Colman Building
 Spokane, Wash., Paulsen Building
 Springfield, Mass., Massachusetts Mutual Building
 Syracuse, N. Y., Onondaga County Savings Bank Building
 Toledo, Ohio, Spitzer Building
 Washington, D. C., Evans Building
 Youngstown, Ohio, Wick Building</p> |
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Motor Agencies in all large cities and towns

For TEXAS, OKLAHOMA and ARIZONA Business refer to
 Southwest General Electric Co. (Formerly Hobson Electric Co.)
 Dallas, Tex., 1701 N. Market Street
 El Paso, Tex., 500-2 San Francisco Street
 Houston, Tex., Third and Washington Streets
 Oklahoma City, Okla., Insurance Building

FOREIGN SALES OFFICES
 Schenectady, N. Y., Foreign Dept.
 New York, N. Y., 30 Church Street
 London, E. C., England, 83 Cannon Street
 For all CANADIAN Business refer to
 Canadian General Electric Co., Ltd., Toronto, Ont.