

RENEWAL PARTS

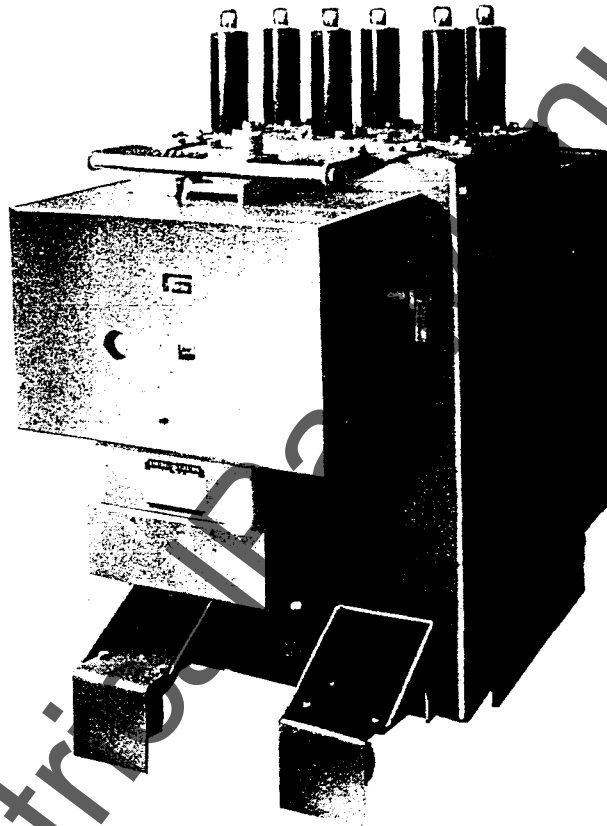
GEF-4436

MAGNE-BLAST CIRCUIT BREAKER

TYPES

AM-13.8-150-4	AM-13.8-150-6S
AM-13.8-250-4	AM-13.8-250-6S
AM-13.8-500-4	AM-13.8-500-6S

WITH
MS-13 MECHANISM



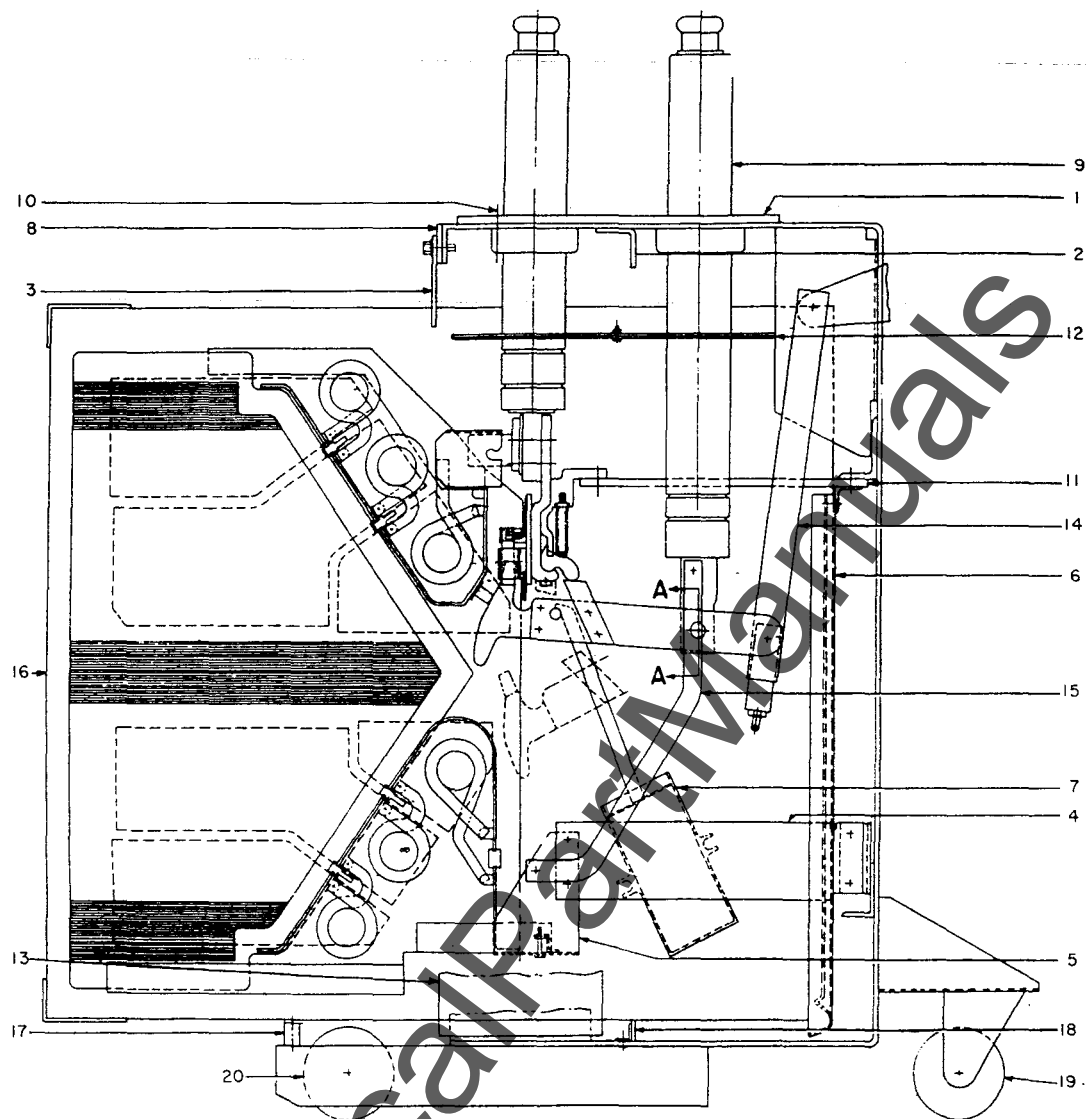
ORDERING INSTRUCTIONS

1. Always specify the complete nameplate data of both the breaker and the mechanism.
2. Specify the quantity, catalog number (if listed), reference number (if listed), and description of each part ordered, and this bulletin number.
3. Standard hardware, such as screws, bolts, nuts, washers, etc., is not listed in this bulletin. Such items should be purchased locally.
4. For prices, refer to the nearest office of the General Electric Company.

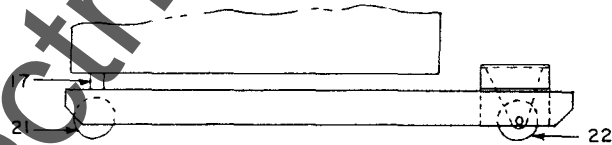
When ordering renewal parts, give quantity, catalog number, description of each item required, and complete nameplate reading.

GENERAL  ELECTRIC

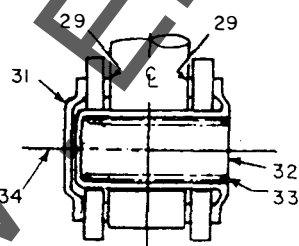
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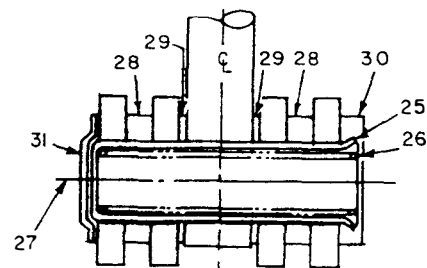
A. Breaker, Type AM-13.8



B. Barrier support



(1200 Amps)



(2000 Amps)

C. Hinge assembly (see Section A-A)

Fig. 1. Cross section views

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TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS

GEF-4436

Type AM-13.8 Breaker (Refer to Fig. 1)

Ref. No.	MVA	Amps	Type	Catalog Number for Type AM-13.8		No. Reqd.	Description
				-4	-6S		
1	All	2000	All	733-0258C0680P010	733-0258C0680P010	1	Top plate
2	All	2000	All	0958C0682P009	0958C0682P009	1	Angle
3	All	All	All	0265C0151P028	0265C0151P028	3	Box barrier clamp
4	All	All	All	0836C0180P012	---	3	Arc chute support, right
4	All	All	All	0836C0180P013	---	3	Arc chute support, left
4	All	All	All	---	0836C0180P014	6	Arc chute support
5	All	All	All	0258C0619G012	0258C0619G012	3	Arc chute clamp
6	All	All	All	0802B0764G001	0802B0764G001	3	Vertical barrier
7	All	All	All	0263B0292P002	0263B0292P002	3	Booster cylinder
8	All	All	All	0265C0151P030	0265C0151P030	**	Shim
9	All	1200	All	0845D0123G003	0845D0123G003	3	Bushing, long
9	All	2000	All	0958C0683G003	0958C0683G003	3	Bushing, long
10	All	All	All	0958C0628P005	0958C0628P005	**	Shim, 0.005 in. thick
10	All	All	All	0958C0628P006	0958C0628P006	**	Shim, 0.010 in. thick
11	All	1200	All	0688C0586P020	0123C2738P003	6	Horizontal barrier, lower
11	All	2000	All	0688C0586P013	0123C2738P005	6	Horizontal barrier, lower
12	All	1200	All	0137A6047G003	0137A6047G003	3	Horizontal barrier, upper
12	All	2000	All	0137A6047G005	0137A6047G005	3	Horizontal barrier, upper
13	All	All	All	0265C0162P017	0265C0162P017	2	Side barrier
14	All	All	All	0281B0708G001	0281B0708G001	3	Operating rod assembly
15	All	All	All	0688C0589P017	0688C0589P017	3	Connection bar
16	150, 250	All	All	0265C0176G002	0265C0176G002	3	Box barrier assembly
16	500	All	All	0265C0176G001	0265C0176G001	3	Box barrier assembly
17	All	All	All	0109B9348P007	0109B9348P007	1	Box barrier support
17	†	†	†	0107B9348P005	0107B9348P005	1	Box barrier support
18	All	All	All	0107B9348P002	0107B9348P002	1	Box barrier support
19	All	All	All	0456A0862P008	0456A0862P008	2	Front wheel and caster
20	All	All	All	0456A0862P001	0456A0862P001	2	Wheel and spanner bushing
21	†	†	†	006597296P007	006597296P007	2	Wheel
22	†	†	†	0236C0768G007	0236C0768G007	2	Front wheel and caster
*23	All	2000	All	0898B0282G007	0898B0282G007	3	Hinge pin assembly, complete
*23	All	2000	RA, RH	0898B0282G002	0898B0282G002	3	Hinge pin assembly, complete
*24	All	1200	A, H	0898B0282G006	0898B0282G006	3	Hinge pin assembly, complete
*24	All	1200	RA, RH	0898B0282G001	0898B0282G001	3	Hinge pin assembly, complete
25	All	2000	All	006442257P001	006442257P001	3	Bearing
26	All	2000	All	0369A0407P001	0369A0407P001	3	Spring
27	All	2000	All	006442258P001	006442258P001	3	Screw
28	All	2000	All	006442246P001	006442246P001	6	Spacer
29	All	All	A, H, V	0104A2495P001	0104A2495P001	6	Washer
29	All	All	RA, RH	0456A0884P001	0456A0884P001	6	Washer
30	All	2000	All	006441630P001	006441630P001	3	Washer
31	All	All	All	006441617P001	006441617P001	3	Washer
32	All	1200	A, H, V	006442371P001	006442371P001	3	Bearing
33	All	1200	A, H, V	0421A0239P001	0421A0239P001	3	Spring
34	All	1200	A, H, V	0414A0106P004	0414A0106P004	3	Bearing screw

* This assembly includes parts 25 to 34 inclusive.

** As required.

† Breaker model list numbers with "W" suffix.

Rear Bushing Assembly (Refer to Fig. 2)

Ref. No.	MVA	Amps	Type	Catalog Number for Type AM-13.8		No. Reqd.	Description
				-4	-6S		
70	All	1200	A, H	733-0236C0790G093	733-0213X0344G036	3	Rear bushing assembly
70	500	1200	BA, BH	0236C0790G094	0213X0344G037	3	Rear bushing assembly
70	All	2000	†	0236C0790G092	0213X0344G038	3	Rear bushing assembly
70	All	1200	V	0108B1938G002	---	3	Rear bushing assembly
70	All	2000	V	0108B1938G003	---	3	Rear bushing assembly
71	All	1200	All	0845D0124G003	0845D0124G003	3	Bushing
71	All	2000	All	0958C0684G003	0958C0684G005	3	Bushing
72	All	1200	All	0619C0443P017	0619C0443P017	3	A/C Support
72	All	2000	All	0236C0791P019	0619C0443P007	3	A/C Support
73	All	All	All	0236C0791G001	0236C0791G001	3	Flexible connector, right
74	All	All	All	0236C0791G004	0236C0791G004	3	Flexible connector, left

† All Types except those with "V" suffix.

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TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS

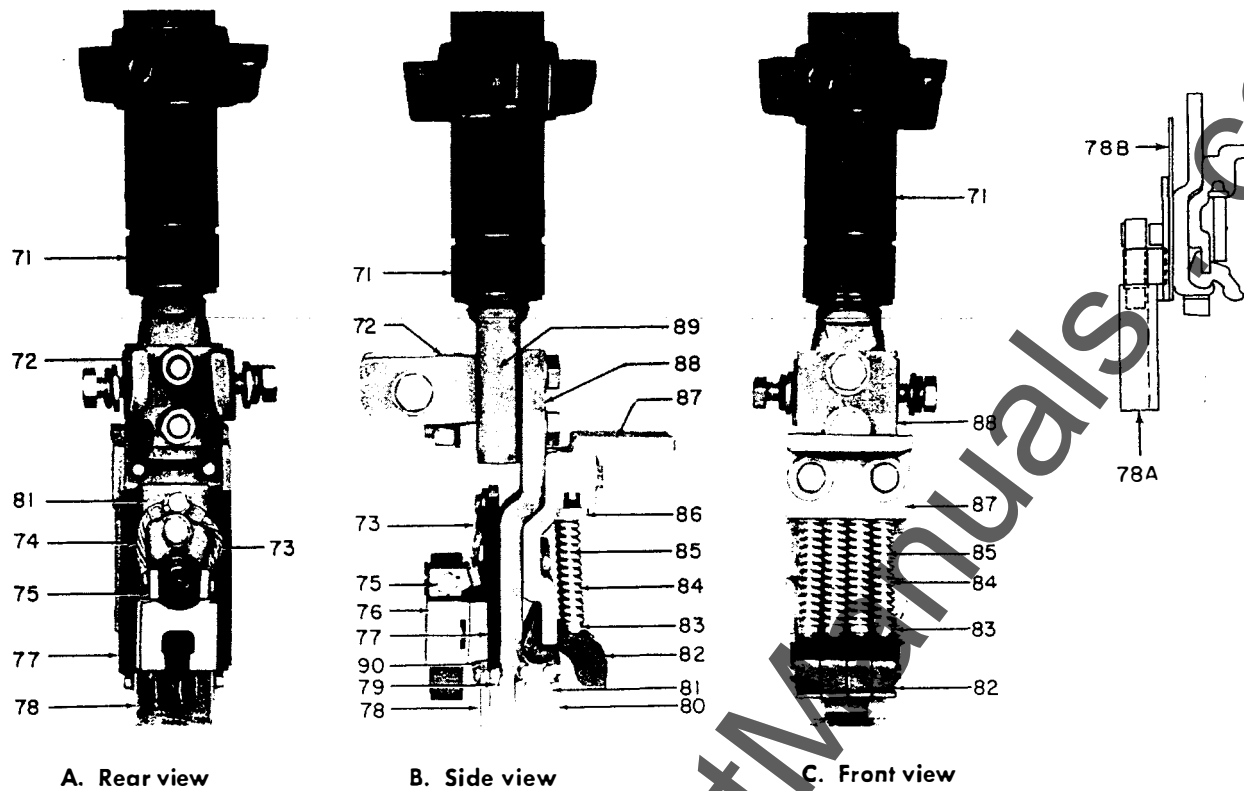


Fig. 2. Rear bushing assembly (Ref. No. 70)

Rear Bushing Assembly (Refer to Fig. 2) (Cont'd)

Ref No.	MVA	Amps	Type	Catalog Number for Type AM-13.8		No. Reqd.	Description
				-4	-6S		
75	All	All	All	733-0175V0557P001	733-0175V0557P001	6	Locking plate
76	All	All	All	0236C0790G009	0236C0790G009	3	Arcing contact assembly
77	All	All	All	0265C0151P025	0265C0151P025	3	Baffle
78	All	All	†	0414A0116P004	---	3	Insulating plate
78	All	All	V	0108B1997P005	---	3	Insulating plate
78A	All	All	All	---	0195A7388G002	3	Throat barrier assembly
78B	All	1200	All	---	0132C2722P005	3	Baffle
78B	All	2000	All	---	0132C2722P004	3	Baffle
79	All	All	A, H	0236C0791G003	0236C0791G003	3	Arcing contact support
80	All	All	All	006445087P001	006445087P004	3	Buffer
81	All	1200	††	006557243P001	006557243P001	6	Clamp for buffer
81	All	1200	B	006557243P002	006557243P002	6	Clamp for buffer
81	All	2000	All	006557243P002	006557243P002	6	Clamp for buffer
82	All	1200	All	0114C5382P002	---	12	Primary contact finger
82	All	1200	††	---	0114C5382P002	12	Primary contact finger
82	All	1200	B	---	0114C5382P002	18	Primary contact finger
82	All	2000	All	0114C5382P002	---	24	Primary contact finger
82	All	2000	All	---	0114C5382P002	18	Primary contact finger
83	500	1200	B	006176109P006	---	12	Spacer for spring guide
83	500	1200	B	---	006176109P006	18	Spacer for spring guide
83	All	2000	All	---	006176109P006	18	Spacer for spring guide
84	All	1200	††	0414A0180P001	0414A0180P001	12	Primary contact finger spring
84	All	1200	B	0121A5964P001	---	12	Primary contact finger spring
84	All	1200	B	---	0121A5964P001	18	Primary contact finger spring
84	All	2000	All	006509787P001	---	24	Primary contact finger spring
84	All	2000	All	---	0121A5964P001	18	Primary contact finger spring
85	All	All	All	0236C0790P114	---	24	Spring guide
85	All	1200	††	---	N312P2542B	12	Spring guide
85	All	1200	B	---	N312P2542B	18	Spring guide
86	All	1200	All	0828C0782P004	---	3	Spring retainer
86	All	1200	††	---	0828C0782P004	3	Spring retainer
86	All	1200	B	---	0962C0778P007	3	Spring retainer
86	All	2000	All	0828C0782P005	0962C0778P007	3	Spring retainer
87	All	1200	All	0828C0782P013	---	3	Contact finger retainer

† All Types except those with "V" suffix.

†† All Types except those with "B" suffix.

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TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS

Rear Bushing Assembly (Refer to Fig. 2) (Cont'd)

Ref. No.	MVA	Amps	Type	Catalog Number for Type AM-13.8		No. Reqd.	Description
				-4	-6S		
87	All	1200	††	---	0828C0782P013	3	Contact finger retainer
87	All	1200	B	---	0962C0778P002	3	Contact finger retainer
87	All	2000	All	0828C0782P008	0962C0778P002	3	Contact finger retainer
88	All	1200	All	0258C0666P009	---	3	Contact support
88	All	1200	††	---	0258C0666P009	3	Contact support
88	All	1200	B	---	0962C0778P011	3	Contact support
88	All	2000	All	0258C0666P002	0962C0778P011	3	Contact support
89	All	2000	All	006591738P001	---	3	Jumper for bushing
90	All	All	All	0269C0853P022	0269C0853P022	12	Fibre washer

†† All Types except those with "B" suffix.

Arc Chute Assembly (Refer to Fig. 3)

Ref. No.	Catalog Number for Type AM-13.8			No. Reqd.	Description
	-4	Δ -6 Early Design	Δ -6 Later Design		
6100	733-0213X0215G011	733-0213X0215G015	733-0213X0215G019	3	Arc chute assembly, complete
101	0264B0100G007	0264B0100G017	0264B0100G017	3	Arc chute sides
102	0265C0150P002	0265C0150P002	0265C0150P002	3	Upper support
103	0258C0615P015	0258C0615P015	0258C0615P015	3	Lower support
104	0265C0161P006	0265C0161P006	0265C0161P006	6	Lower brace
π105	0114C5495G001	0114C5495G001	0114C5495G001	3	Rear brace
π106	0114C5495G002	0114C5495G002	0114C5495G002	3	Side brace
107	0962C0750P006	---	---	6	Shield
π108	0962C0701G004	---	---	3	Lower pole pieces, left
π109	0962C0701G005	---	---	3	Lower pole pieces, right
π110	0114C5304G004	---	---	3	Lower pole pieces, left
π111	0114C5304G005	---	---	3	Lower pole pieces, right
111A	---	0114C5444G006	---	3	Lower pole pieces, left
111B	---	0114C5444G007	---	3	Lower pole pieces, right
111C	---	---	0132C2736G007	3	Lower pole pieces, left
111D	---	---	0132C2736G008	3	Lower pole pieces, right
111E	---	---	0132C2736G009	3	Lower pole pieces, left
111F	---	---	0132C2736G010	3	Lower pole pieces, right
111G	---	---	0132C2736G011	3	Lower pole pieces, left
111H	---	---	0132C2736G012	3	Lower pole pieces, right
π112	0108B1943P002	0108B1943P004	0132C2738P002	6	Rear brace
π113	0962C0701G002	---	---	3	Upper pole pieces, left
π114	0962C0701G003	---	---	3	Upper pole pieces, right
π115	0114C5304G002	---	---	3	Upper pole pieces, left
π116	0114C5304G003	---	---	3	Upper pole pieces, right
116A	---	0114C5444G001	---	3	Upper pole pieces, left
116B	---	0114C5444G002	---	3	Upper pole pieces, right
116C	---	0114C5444G004	---	3	Upper pole pieces, left
116D	---	0114C5444G005	---	3	Upper pole pieces, right
116E	---	---	0132C2736G001	3	Upper pole pieces, left
116F	---	---	0132C2736G002	3	Upper pole pieces, right
116G	---	---	0132C2736G003	3	Upper pole pieces, left
116H	---	---	0132C2736G004	3	Upper pole pieces, right
116J	---	---	0132C2736G005	3	Upper pole pieces, left
116K	---	---	0132C2736G006	3	Upper pole pieces, right
π117	0108B1943P001	0108B1943P005	0132C2738P001	6	Side brace
118	0258C0615P029	---	---	18	Core assembly, 2 13/16 in.
118	---	0258C0615P029	0258C0615P029	12	Core assembly, 2 13/16 in. core
118	---	0258C0615P008	---	3	Core assembly, 2 15/16 in.
118	---	0258C0615P006	---	3	Core assembly, 3 3/8 in.
118	---	---	0258C0615P019	3	Core assembly, 2 11/16 in.
118	---	---	0258C0615P035	3	Core assembly, 3 3/16 in.
119	0258C0616P018	---	---	18	Core insulating tube for 2 13/16-in. core
119	---	0258C0616P018	0258C0616P018	12	Core insulating tube for 2 13/16-in. core
119	---	0258C0616P010	---	3	Core insulating tube for 2 15/16-in. core
119	---	0258C0616P020	---	3	Core insulating tube for 3 3/8-in. core
119	---	---	0258C0616P023	3	Core insulating tube for 2 11/16-in. core
119	---	---	0258C0616P026	3	Core insulating tube for 3 3/8-in. core
120	0421A0208P434	0421A0208P434	0421A0208P434	3	Spacer
121	0258C0615P011	0258C0615P011	0258C0615P011	3	Spacer

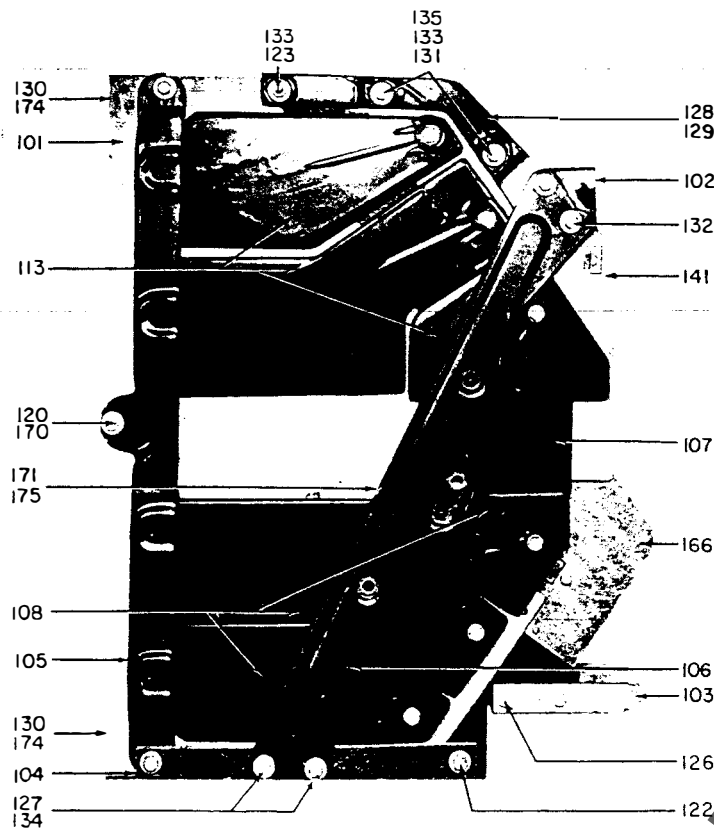
Δ Before ordering parts for the -6 design, refer to the photos on page 7 to determine if you have the early or later -6 design.

π For "-4V" Breaker furnish Arc Chute Cat. No. 0108B1938G008, Upper Shield (right) Cat. No. 0108B1937G001 and Upper Shield (left) Cat. No. 0108B1937G002.

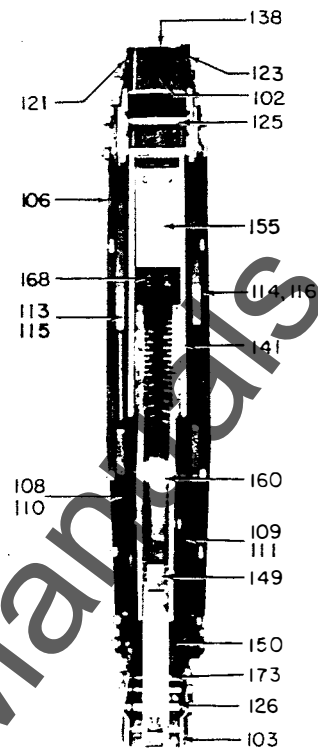
π Refer to Fig. 3A and 3D to determine proper arrangement for side brace, rear brace and pole pieces.

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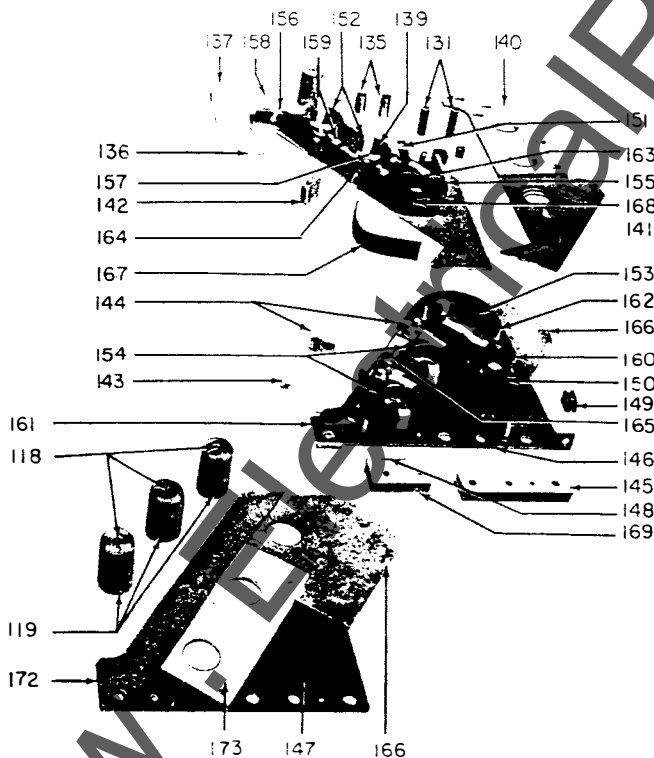
TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS



A. Complete arc chute assembly (Ref. No. 100)



B. Front view



C. Component parts

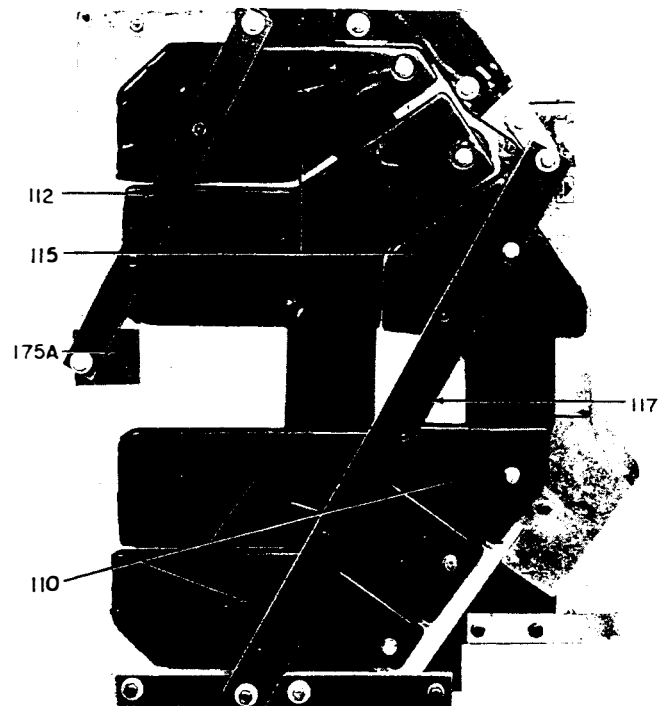
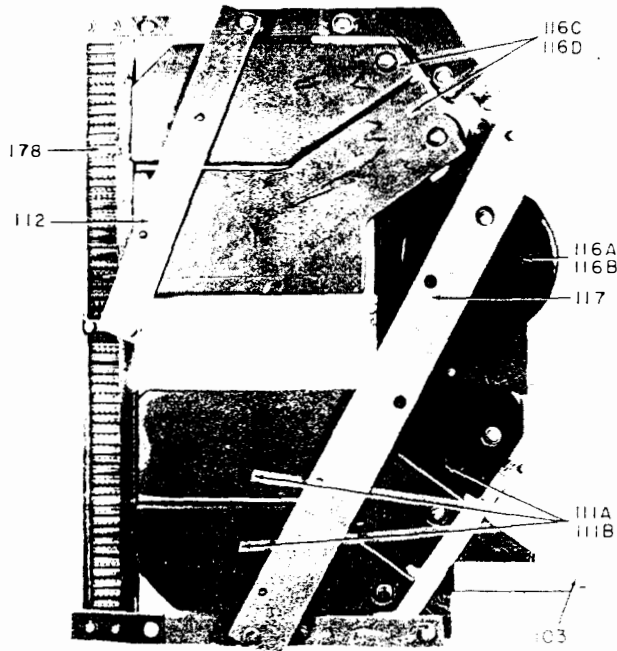
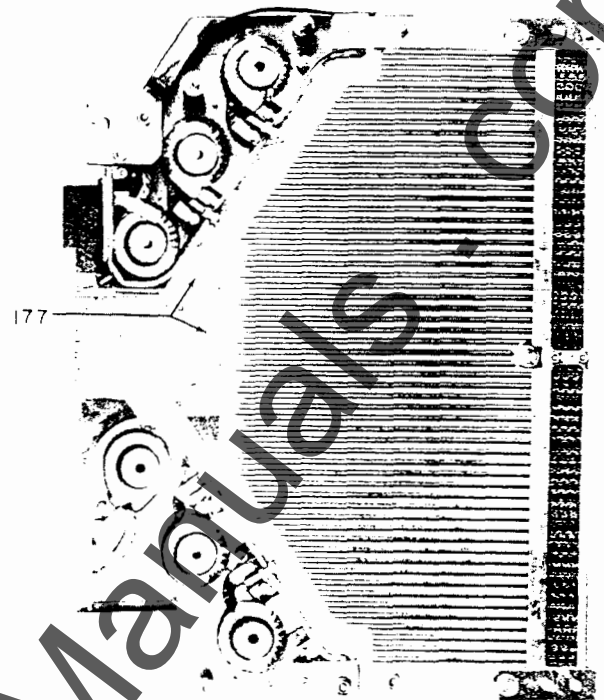
D. Complete arc chute assembly
(different pole pieces and braces)

Fig. 3. Arc chute

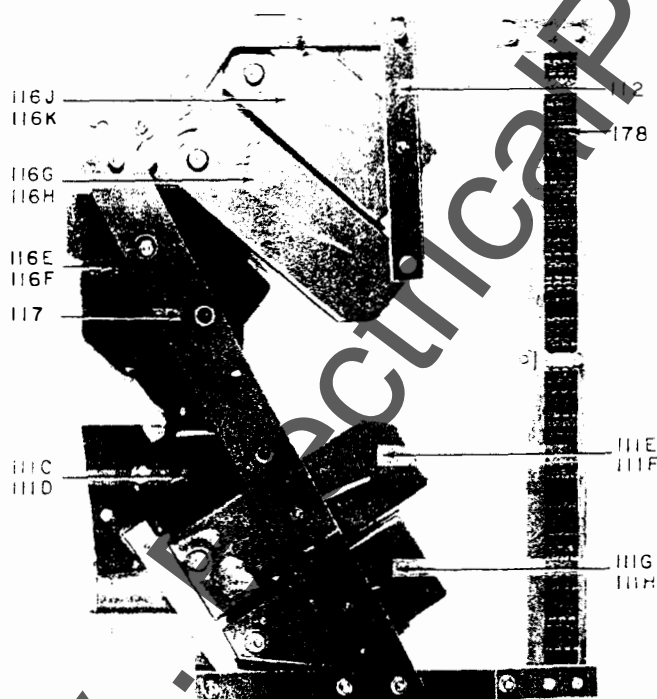
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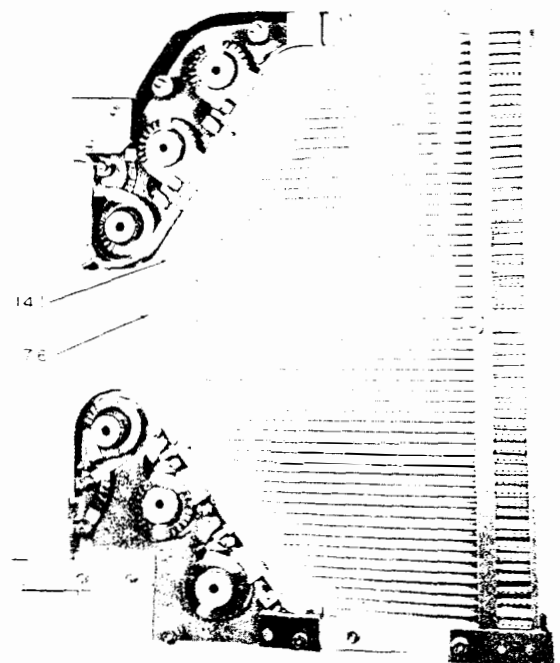
E. Complete arc chute assembly
("-6" early design)



F. Side cover removed
("-6" early design)



G. Complete arc chute assembly
("-6" later design)



H. Side cover removed
("-6" later design)

Fig. 3. Arc chute control.

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TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS

Arc Chute Assembly (Refer to Fig. 3) (Cont'd)

Ref. No.	Catalog Number for Type AM-13.8			No. Reqd.	Description
	-4	-6 Early Design	-6 Later Design		
122	733-006176109P089	733-006176109P089	733-006176109P089	3	Spacer
123	0414A0102P008	0414A0102P008	0414A0102P008	3	Stud
124	006176109P091	006176109P091	006176109P091	6	Spacer
125	0421A0209P082	0421A0209P082	0421A0209P082	6	Spacer
126	0421A0208P093	---	0421A0208P093	12	Spacer
126	---	0421A0209P093	---	18	Spacer
127	006176109P417	006176109P417	---	6	Spacer
128	0962C0750P009	0962C0750P009	0962C0750P009	3	A/C support
129	0962C0750P010	0962C0750P010	0962C0750P010	3	A/C support
130	006442389P003	006442389P005	006442389P005	6	Spacer
131	0456A0888P006	0456A0888P006	0456A0888P006	6	Spacer
132	0688C0589P018	---	---	6	Spacer
133	0137A9163P002	0137A9163P002	0137A9163P002	18	Bushing
134	006176109P070	---	---	12	Spacer
134	---	---	006176109P070	6	Spacer
135	0421A0208P497	0421A0208P497	0421A0208P497	6	Spacer
136	0265C0150P015	0265C0150P015	0265C0150P015	6	Spacer
137	0962C0750P003	0962C0750P003	0962C0750P003	3	Block
138	0962C0750P002	0962C0750P002	0962C0750P002	3	Dust shield
139	0265C0163P008	0265C0163P008	0265C0163P008	6	Coil support
140	0265C0163P002	0265C0163P009	0265C0163P009	6	Barrier
6141	0414A0194P002	---	---	6	Upper shield
141	---	0195A7349G001	---	3	Upper shield assembly, right
141	---	0195A7349G002	---	3	Upper shield assembly, left
142	0414A0196P001	0414A0196P001	0414A0196P001	6	Spacer
143	0265C0150P013	0265C0150P013	0265C0150P013	6	Spacer
144	0414A0196P002	0414A0196P002	0414A0196P002	6	Spacer
145	0962C0750P007	0962C0750P007	0962C0750P007	3	Spacer
146	0619C0489P006	0619C0489P006	0619C0489P006	3	Lower coil support, right
147	0619C0489P005	0619C0489P005	0619C0489P005	3	Lower coil support, left
148	0414A0198P001	0414A0198P001	0414A0198P001	3	Insulation seal
149	0258C0616P011	0258C0616P011	0258C0616P011	3	Spacer
150	0265C0150G006	0265C0150G006	0265C0150G006	3	Runner
151	0366A0743G001	0366A0743G001	0366A0743G001	3	Coil, upper
152	0265C0155G003	0265C0155G003	0265C0155G003	6	Coil, upper
153	0265C0155G008	0265C0155G008	0265C0155G008	3	Coil, lower
154	0265C0155G006	0265C0155G006	0265C0155G006	6	Coil, lower
155	0414A0116P002	0108B5520P001	0108B5520P001	3	Insulating plate
156	0414A0197P001	0414A0197P001	0414A0197P001	3	Shim
157	0414A0197P002	0414A0197P002	0414A0197P002	3	Shim
158	0265C0154G003	0265C0154G003	0265C0154G003	3	Runner assembly
159	0265C0154G005	0132C2708P009	0132C2708P009	6	Runner assembly
160	0265C0154G001	0132C2708P011	0132C2708P011	3	Runner assembly
161	0265C0154G009	0265C0154G009	0265C0154G009	3	Runner assembly
162	0456A0888P003	0456A0888P003	0456A0888P003	9	Spacer
163	0421A0208P022	0421A0208P022	0421A0208P022	12	Spacer
164	0421A0208P017	0421A0208P017	0421A0208P017	24	Spacer
165	006176109P006	006176109P006	006176109P006	36	Spacer
166	0456A0336P001	0456A0336P001	0132C2735P007	6	Lower runner barrier
167	0456A0891P210	0456A0891P210	0456A0891P210	3	Sleeve
168	0688C0512G002	0132A2708G001	0132A2708G001	3	Runner
169	0265C0161P017	0265C0161P017	0265C0161P017	3	Spacer
170	0414A0131P004	0414A0131P004	0414A0131P004	**	Spacer
171	0456A0891P208	0456A0891P208	0456A0891P208	**	Shim, 1/16 in. thick
172	0421A0201P001	0421A0201P001	0421A0201P001	6	Lower runner shield
173	0802B0735P001	0802B0735P001	0802B0735P001	6	Lower runner insulation
174	0619C0494P009	0619C0494P009	0619C0494P009	**	Shim
*175	0456A0891P103	---	---	**	Shim
175A	0108B1943P003	---	---	6	Spacer
176	---	0114C5442G001	---	3	hroat cooler assembly, right
176	---	0114C5442G002	---	3	hroat cooler assembly, left
177	---	---	0132C2737G001	3	Shield and cooler assembly, right
177	---	---	0132C2737G002	3	Shield and cooler assembly, left
178	---	0114C5443G001	0114C5443G002	3	Muffler assembly

Δ Before ordering parts for the -6 design, refer to the photos on page 7 to determine if you have the early or later -6 design.

Δ For "4V" Breaker furnish Arc Chute Cat. No. 0108B1938G008, Upper Shield (right) Cat. No. 0108B1937G001 and Upper Shield (left) Cat. No. 0108B1937G002.

* Not illustrated.

** As required.

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TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS

GEF-4436

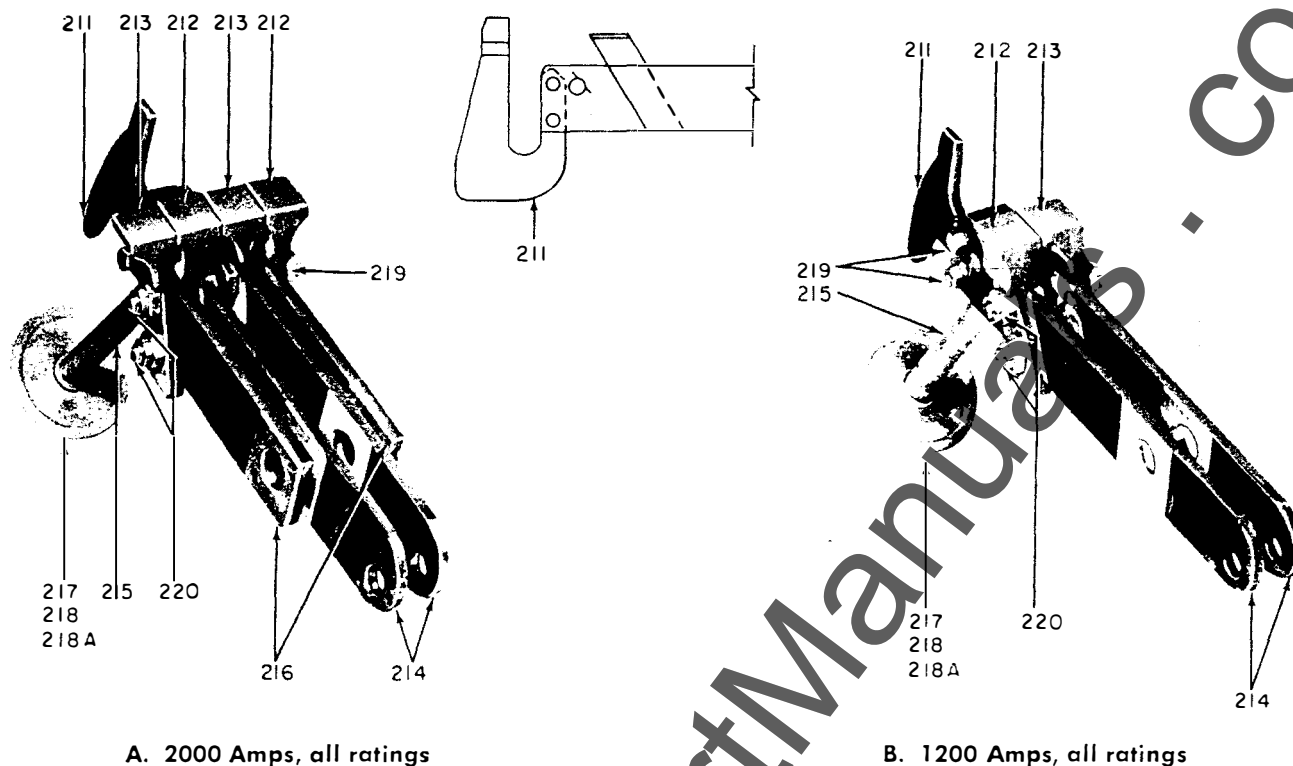


Fig. 4. Movable contact arm assembly (Ref. No. 210)

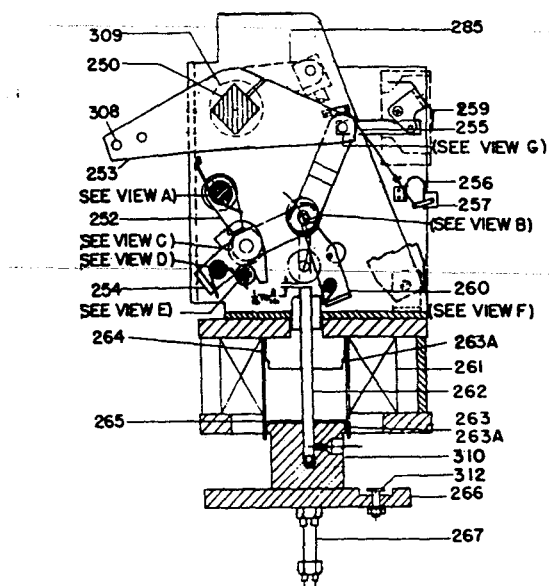
Movable Contact Arm Assembly (Refer to Fig. 4)

Ref. No.	MVA	Amps	Type	Catalog Number for Type AM-13.8		No. Reqd.	Description
				-4	-6S		
210	All	1200	All	733-0236C0792G081	---	3	Movable contact arm assembly
210	All	1200	††	---	733-213X0343G060	3	Movable contact arm assembly
210	All	1200	B	---	213X0343G061	3	Movable contact arm assembly
210	All	2000	All	0236C0792G090	213X0343G062	3	Movable contact arm assembly
211	All	All	All	0802B0742G001	0108B5506G001	3	Movable arcing contact
212	All	1200	All	0137A9164P003	---	3	Movable primary contact
212	All	1200	††	---	0137A9164P003	3	Movable primary contact
212	All	1200	B	---	0114C5382P004	6	Movable primary contact
212	All	2000	All	0137A9164P003	0114C5382P004	6	Movable primary contact
213	All	1200	All	0137A9164P004	---	3	Movable primary contact
213	All	1200	††	---	0137A9164P004	3	Movable primary contact
213	All	2000	All	0137A9164P004	---	6	Movable primary contact
214	All	All	All	0258C0666P007	0258C0666P007	6	Contact arm
215	All	1200	All	0236C0792G031	0213X0343G094	3	Tube and piston assembly
215	All	2000	All	0236C0792G015	0213X0343G094	3	Tube and piston assembly
216	All	2000	All	0258C0666P006	0258C0666P006	6	Contact arm
217	All	All	All	0421A0248P001	0421A0248P001	3	Piston ring
218	All	All	All	0456A0874P003	0456A0874P003	3	Piston ring equalizer (corr.)
218A	All	All	All	0456A0874P002	0456A0874P002	3	Piston ring equalizer (smooth)
219	All	All	All	0414A0146P004	0414A0146P054	12	Grip nut
220	All	All	All	0414A0146P003	0414A0146P053	6	Grip nut
221	All	All	All	0121A5956P001	0456A0876P207	12	Spacer

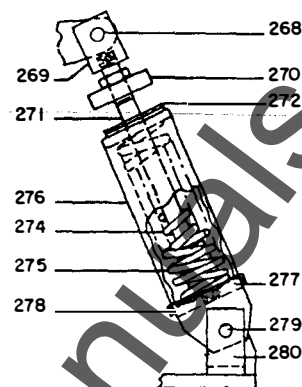
* Not illustrated.

†† All Types except those with "B" suffix.

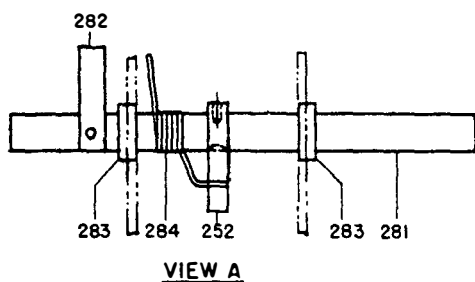
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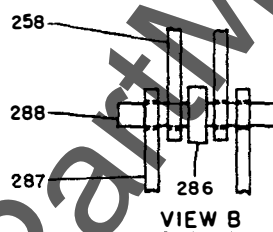
A. Cross section view, MS-13 mechanism



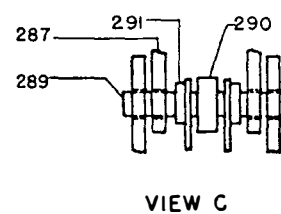
B. Opening spring assembly



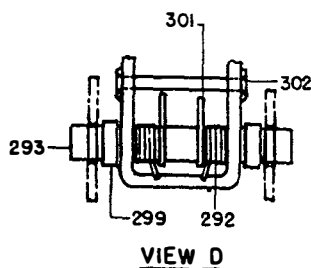
VIEW A



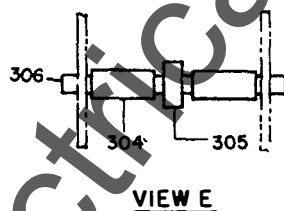
VIEW B



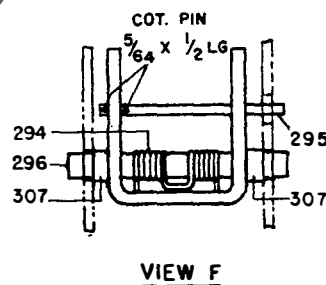
VIEW C



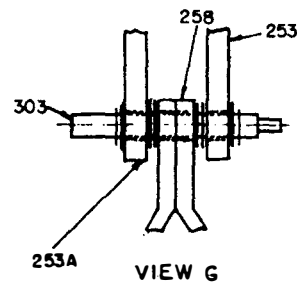
VIEW D



VIEW E



VIEW F



VIEW G

C. Detailed view, MS-13 mechanism

Fig. 5. MS-13 mechanism

MS-13 Mechanism (Refer to Fig. 5)

Ref. No.	Cat. No.	No. Per Mechanism	Description
250	733-006443518P001	1	Shaft
251	0838C0190P003	4	Crank, phase 1 and 3
252	0258C0608P007	1	Latch
253	0215D0470G058	1	Crank, phase 2
253A	0215D0470G060	1	Crank, phase 2
254	0215D0470G055	1	Link
255	006551742P001	1	Spring
256	0258C0604P008	1	Spring clip
257	0137A9088P001	1	Veeder counter
258	0215D0470G057	1	Link
259	0281B0711G001	1	Indicator assembly
260	0258C0609P001	1	Prop

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TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS

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MS-13 Mechanism (Refer to Fig. 5) (Cont'd)

Ref. No.	Cat. No.	No. Per Mechanism	Description
261	733-0802B0799G001	1	∅Closing coil (125v d-c, 230v a-c, 500 MVA)
261	0802B0799G002	1	Closing coil (125v d-c, 230v a-c, 150, 250 MVA)
261	0802B0799G003	1	∅Closing coil (250v d-c, 500 MVA)
261	0802B0799G004	1	Closing coil (250 v d-c, 150, 250 MVA)
262	0236C0796P006	1	Plunger
264	0962C0700G001	1	Pole piece (13.8, 250 MVA)
264	0962C0700G002	1	Pole piece (13.8, 500 MVA)
265	Δ	1	Buffer
266	0236C0796G002	1	Armature plate
267	0236C0796P008	2	Stud
268	0137A6086P022	2	Pin
269	0258C0630P007	2	Clevis
270	0258C0630P031	2	Plate
271	0258C0630P008	2	Rod
272	0414A0109P008	2	Buffer
273	0258C0630G007	2	Complete spring assembly
274	0456A0808P001	1	Inner spring
275	0456A0807P001	2	Outer spring
276	0258C0630P003	2	Spring retainer
277	0258C0630P005	2	Retaining plate
278	0258C0630G008	2	Spring base
279	0137A6087P020	2	Pin
280	0258C0630P009	2	Bracket
281	0258C0611P001	1	Latch shaft (standard)
281	0258C0611P002	1	Latch shaft (interchangeable)
282	0258C0611P011	1	Stop bar
283	0121A7436G001	2	Latch shaft bearing
284	0421A0256P001	1	Spring
285	0258C0609P004	2	Crank
286	0215D0470G053	1	Roller
287	0215D0470G052	2	Link
288	0258C0611P003	1	Prop pin
289	0414A0110P001	1	Pin
290	0414A0112P001	1	Trip roller bearing
291	0456A0876P103	2	Spacer
292	006509799P001	2	Spring
293	0414A0110P003	1	Pin
294	006477097P001	1	Prop spring
295	0258C0609P008	1	Trip roller pin
296	0104A2474P001	1	Pin
299	0421A0210P001	2	Spacer
301	0258C0608P003	1	Latch guide
302	0258C0611P005	1	Pin
303	0958C0697P004	1	Pin
304	0421A0209P101	2	Spacer
305	0258C0609P006	1	Roller
306	0137A6086P039	1	Pin
307	0421A0208P143	2	Spacer
308	0619C0478P019	3	Pin
309	006442239P001	2	Bearing
310	0236C0796P026	1	Armature (13.8, 500 MVA)
310	0236C0796P027	1	Armature (13.8, 250 MVA)
*311	0258C0611P015	1	Cover
312	0236C0795P075	1	Adjusting screw

Δ Order 0414A0109P010 for 2-1/2 inch O.D. buffer

Order 0414A0109P012 for 3-3/4 inch O.D. buffer

* Not illustrated.

∅ Used also on certain 150 breakers with high current closing coil. Refer to breaker nameplate.

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TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS

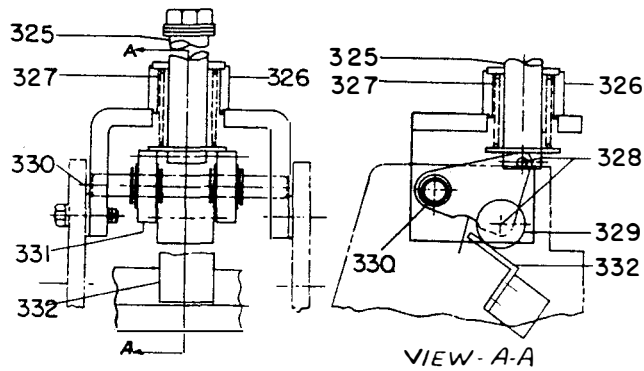


Fig. 6. Interlock plunger for MS-13 mechanism

Interlock Plunger (Refer to Fig. 6)

Ref. No.	Cat. No.	No. Reqd.	Description
324	733-0236C0787G001	1	Interlock plunger, complete
325	0236C0787P012	1	Plunger
326	0236C0787G002	1	Bracket
327	006509728P001	1	Spring
328	0137A6085P022	2	Pin
329	0236C0787P014	1	Roller
330	0236C0787P005	1	Pin
331	0236C0787P016	2	Crank
332	0958C0697P003	1	Crank

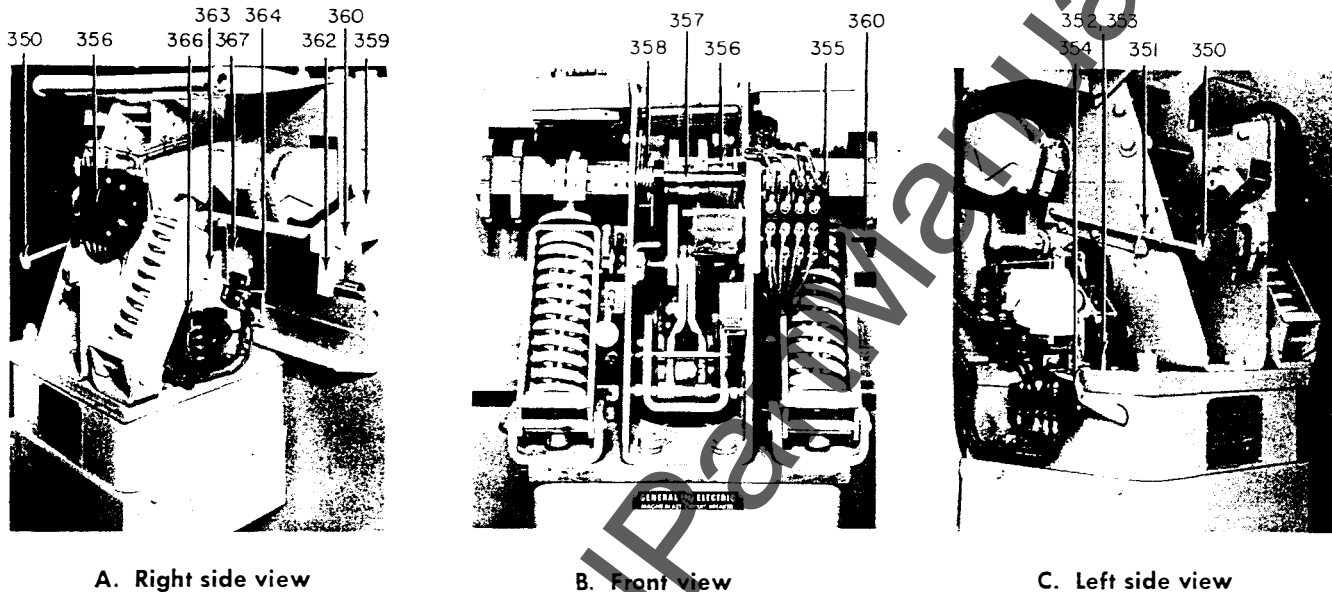


Fig. 7. MS-13 mechanism

MS-13 Mechanism (Refer to Fig. 7)

Ref. No.	Cat. No.	No. Per Mechanism	Description
350	733-0258C0604G003	1	Manual trip rod
351	0258C0604P002	1	Manual trip rod support
352	0236C0795P040	1	Rod
353	0174V0394P003	1	Tube
354	006445059P001	1	Insulating tube
355	0137A9192G001	1	Auxiliary switch
356	0456A0876P004	2	Spacer
357	0236C0788G050	1	Interlock prop assembly
358	0137A9128P001	1	Spring
359	0258C0601G003	1	Bearing bracket
360	0236C0788G052	1	Roller and link assembly
*361	0236C0788P008	2	Link
362	0236C0788G054	1	Roller assembly
363	0236C0788P034	1	Bracket
364	0456A0866P001	1	Interlock switch (150, 250, 500)
*364	0456A0866P001	1	Latch check switch (150, 250, 500, when used)
*365	0456A0866P002	1	Cut-off switch (150, 250, 500, interchangeable)
366	006174582G001	1	Potential trip coil (125v d-c)
366	006174582G002	1	Potential trip coil (250v d-c)
366	006174582G032	1	Potential trip coil (230v a-c)
366	006275070G001	1	Potential trip coil (24v d-c)
366	006275070G002	1	Potential trip coil (48v d-c)
367	0215D0470G005	1	Potential trip linkage

* Not illustrated.

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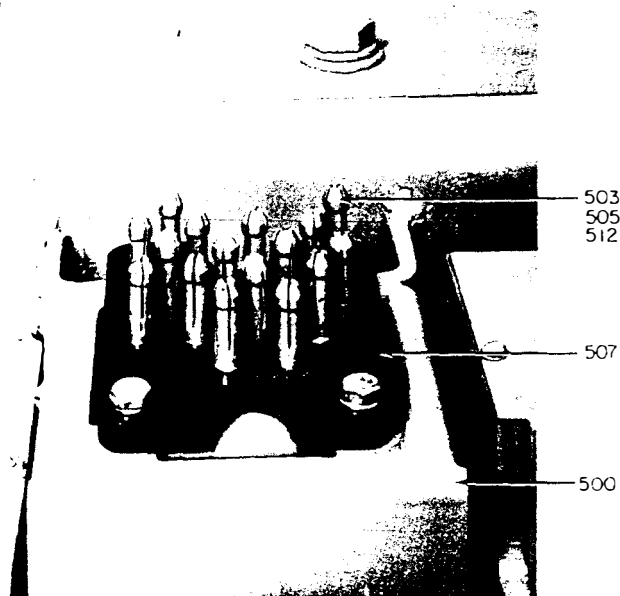


Fig. 8. Secondary disconnecting device (Ref. No. 500)



Fig. 9. Maintenance closing device (Ref. No. 510)

Secondary Disconnect Device and Maintenance Closing Device (Refer to Figs. 8 and 9)

Ref. No.	Cat. No.	No. Per Mechanism 150H, 250H, 500H	No. Per Mechanism 150A, 250A, 500A	Description
500	733-0802B0795G005	-	-	Secondary disconnect device, complete, 16 point
*500	0264B0173G005	-	2	Secondary disconnect device, complete, 7 point
503	006319964P002	16	14	Contact plug
505	000848768P001	16	14	Lockwasher for contact plug
507	006505244P001	1	-	Contact socket, 16 point
*507	006048758	-	2	Contact socket, 7 point
510	0258C0669G001	1	1	Maintenance closing device
512	0366A0234P001	†	†	Contact nut for No. 8 wire
512	0366A0234P002	†	†	Contact nut for No. 14 wire
512	0366A0234P003	†	†	Contact nut for No. 12 wire

* Not illustrated.

† A total of 16 contact nuts is used on the 250H and 500H breakers and a total of 14 contact nuts is used on the 250A and 500A breakers. Order size and quantity of contact nuts to correspond with the size and quantity of wires entering the secondary disconnect device.

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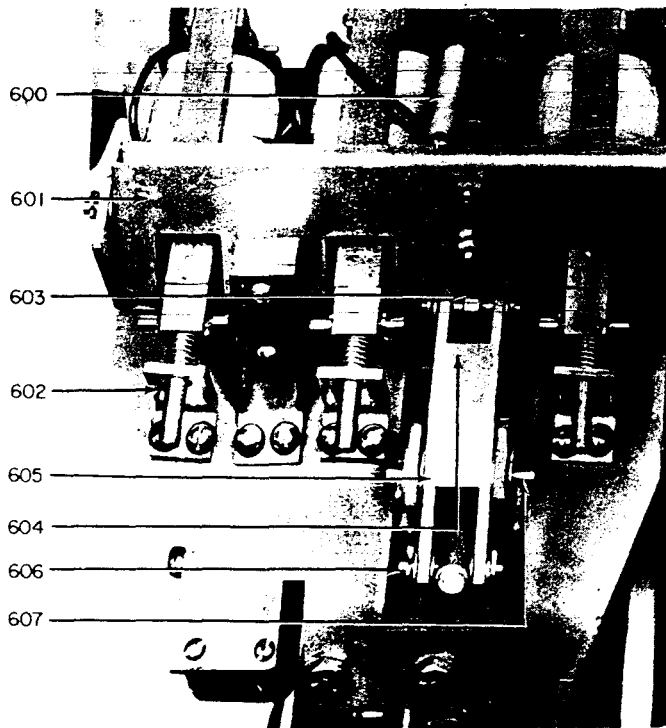


Fig. 10. Partial view of MS-13 mechanism with current trip

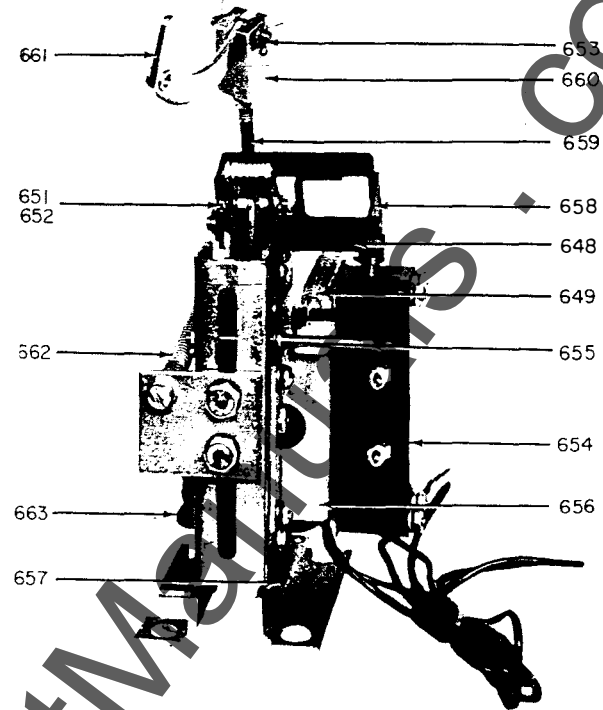


Fig. 11. Undervoltage device (Ref. No. 647)

(Refer to Figs. 10 and 11)

Ref. No.	Cat. No.	No. Reqd.	Description
600	733-006551725P001	1	Spring
601	0366A0611G001	1	Trip pan
602	006558748P001	1	Bracket
603	006558756P001	1	Trip latch
604	0414A0112P040	1	Ball bearing
605	0366A0600P001	1	Trip arm
606	006076401P307	1	Pin
607	006076404P313	1	Pin
647	0213X0185G001	1	AC undervoltage device (less coil)
647	0213X0217G001	1	DC undervoltage device (less coil)
648	0175V0574P001	1	Stop for d-c device only
649	0369A0443P001	1	Spring for d-c device only
650	006551725P001	1	Spring for a-c device only
651	0175V0578P001	1	Pin for d-c device only
652	006076401P309	1	Pin for a-c device only
653	006076401P305	2	Pin
654	0295B0227G002	1	Switch
655	0175V0576P001	1	Pin
656	0374A0246P001	1	Bracket
657	0175V0562P001	1	Shim for d-c device only
658	0384A0330G001	1	Link arm asm. for d-c device only
659	0137A6059P020	1	Stud
660	006558711P001	2	Coupling
661	006558723G001	1	Trip arm
662	006509798P001	2	Spring
663	006275017G019	1	Coil (125v d-c)
663	006275017G033	1	Coil (230v a-c)
663	006275017G020	1	Coil (250v d-c)
664	0684C0642G001	1	Terminal board (6 point)

* Not illustrated.

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TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS

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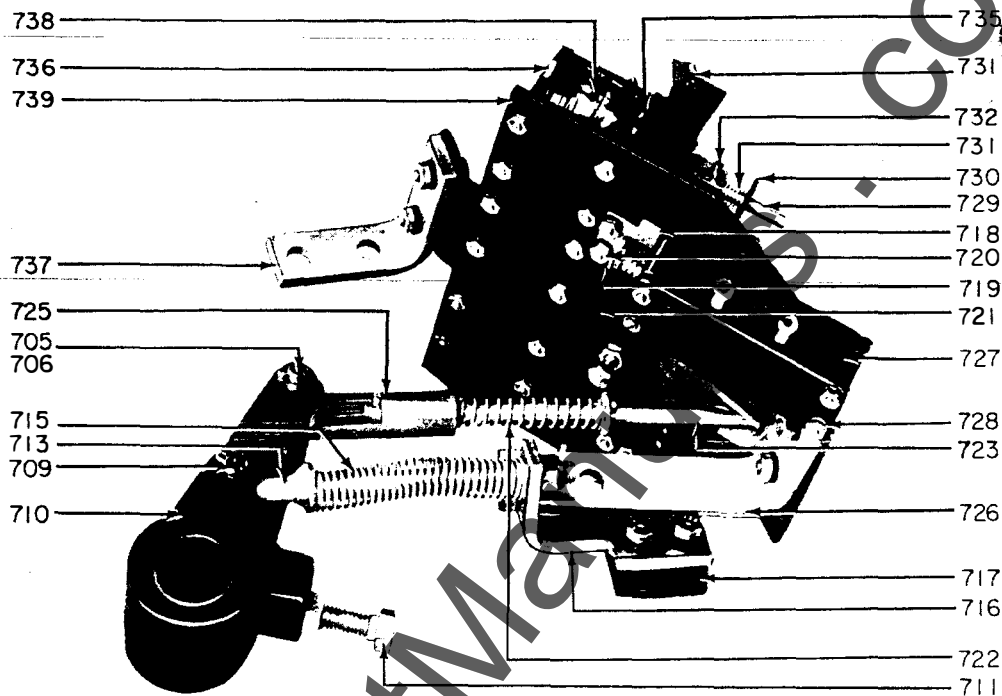


Fig. 12. Impact trip device (Ref. No. 702)

Impact Trip Device (Refer to Fig. 12)

Ref. No.	Cat. No.	No. Reqd.	Description
702	733-0213X0100G001	1	Impact trip device, compi
703	006591817P001	1	Lever
704	006591388P019	1	Locking plate
705	006076403P315	1	Pin
706	0137A6064P003	1	Roller
709	006076403P311	1	Pin
710	006592554G001	1	Crank
711	006557106P001	1	Adjusting screw
713	006558791G001	1	Eyebolt assembly
715	0161A5831P001	1	Spring
716	006443516P001	1	Bracket
717	006557105P001	1	Spacer
718	006558746P001	1	Bracket
719	006558747P001	1	Trip arm
720	006076401P315	1	Pin
721	0137A6048P003	2	Spacer
722	006509794P001	1	Spring
723	0174V0378P001	1	Rod
725	0174V0373P001	1	Coupling
726	006443666P001	1	Bracket
727	0295B0227G003	1	Switch
728	0107B9305P001	1	Frame assembly
729	006558752G001	1	Core assembly
730	006558751P001	1	Angle
731	006049320P001	3	Felt washer
732	006557068P009	1	Pin
734	006076401P385	1	Pin
735	002236575P001	2	Guide
736	004905058G004	1	Coil frame
737	006443667P001	1	Bracket
738	006174599G002	3	Current trip coil, 3 amp
738	006174599G006	1	Capacitor trip coil (230v
*739	0456A0334P001	1	Rubber guard

* Not illustrated.

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TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS

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PARTS RECOMMENDED FOR NORMAL STOCK

Fig. No.	Ref. No.	Amps	Type	Catalog Number for Type AM-13.8		No. Req'd.	Description
				-4	-6S		
1	7	All	All	733-0263B0292P002	733-0263B0292P002	3	Booster cylinder
1	14	All	All	0281B0708G001	0281B0708G001	3	Operating rod assembly
2	73	All	All	0236C0791G001	0236C0791G001	3	Flexible connector, right
2	74	All	All	0236C0791G004	0236C0791G004	3	Flexible connector, left
2	76	All	All	0236C0790G009	0236C0790G009	3	Arcing contact assembly
2	78	All	†	0414A0116P004	---	3	Insulating plate
2	78	All	V	0108B1937P005	---	3	Insulating plate
2	78A	All	All	---	0195A7388G002	3	Throat barrier assembly
2	82	1200	All	0114C5382P002	---	12	Primary contact finger
2	82	1200	††	---	0114C5382P002	12	Primary contact finger
2	82	1200	B	---	0114C5382P002	18	Primary contact finger
2	82	2000	All	0114C5382P002	---	24	Primary contact finger
2	82	2000	All	---	0114C5382P002	18	Primary contact finger
2	84	1200	††	0414A0180P001	0414A0180P001	12	Primary contact finger spring
2	84	1200	B	0121A5964P001	---	12	Primary contact finger spring
2	84	1200	B	---	0121A5964P001	18	Primary contact finger spring
2	84	2000	All	006509787P001	---	24	Primary contact finger spring
2	84	2000	All	---	0121A5964P001	18	Primary contact finger spring
3	141	2000	†	0414A0194P002	---	6	Upper shield
3	141	All	V	0108B1937G001	---	3	Upper shield, right
3	141	All	V	0108B1937G002	---	3	Upper shield, left
3	141	All	All	---	0195A7349G001	3	Upper shield assembly, right
3	141	All	All	---	0195A7349G002	3	Upper shield assembly, left
3	155	All	All	0414A0116P002	0108B5520P001	3	Insulating plate
3	166	All	All	0456A0336P001	0456A0336P001	3	Lower runner barrier
3	166	All	All	---	00132C2735P007	3	Lower runner barrier
3	172	All	All	0421A0201P001	0421A0201P001	6	Lower runner shield
3	176	All	All	---	0114C5442G001	3	Throat cooler assembly, right
3	176	All	All	---	0114C5442G002	3	Throat cooler assembly, left
3	177	All	All	---	00132C2737G001	3	Shield and cooler assembly, right
3	177	All	All	---	00132C2737G002	3	Shield and cooler assembly, left
4	211	All	All	0802B0742G001	0108B5506G001	3	Movable arcing contact
4	212	1200	All	0137A9164P003	---	3	Movable primary contact
4	212	1200	††	---	0137A9164P003	3	Movable primary contact
4	212	1200	B	---	0137A9164P004	6	Movable primary contact
4	212	2000	All	0137A9164P003	0114C5382P004	6	Movable primary contact
4	213	1200	All	0137A9164P004	---	3	Movable primary contact
4	213	1200	††	---	0137A9164P004	3	Movable primary contact
4	213	2000	All	0137A9164P004	---	6	Movable primary contact
4	215	1200	All	0236C0792G031	0213X0343G094	3	Tube and piston assembly
4	215	2000	All	0236C0792G015	0213X0343G094	3	Tube and piston assembly
5	261	All	All	0802B0799G001	0802B0799G001	1	Closing coil (125v d-c, 230v a-c, 500 MVA)
5	261	All	All	0802B0799G002	0802B0799G002	1	Closing coil (125v d-c, 230v a-c, 150, 250MVA)
5	261	All	All	0802B0799G003	0802B0799G003	1	Closing coil (250v d-c, 500 MVA)
5	261	All	All	0802B0799G004	0802B0799G004	1	Closing coil (250v d-c, 150, 250 MVA)
7	366	All	All	006174582G001	006174582G001	1	Potential trip coil (125v d-c)
7	366	All	All	006174582G002	006174582G002	1	Potential trip coil (250v d-c)
7	366	All	All	006174582G032	006174582G002	1	Potential trip coil (230v d-c)
7	366	All	All	006275070G001	006275070G001	1	Potential trip coil (24v d-c)
7	366	All	All	006275070G002	006275070G002	1	Potential trip coil (48v d-c)

† All Types except with "V" suffix.

†† All Types except with "B" suffix.

Δ Used on -6 arc chute assembly - early design.

∅ Used on -6 arc chute assembly - later design.

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TYPE AM-13.8 MAGNE-BLAST CIRCUIT BREAKERS

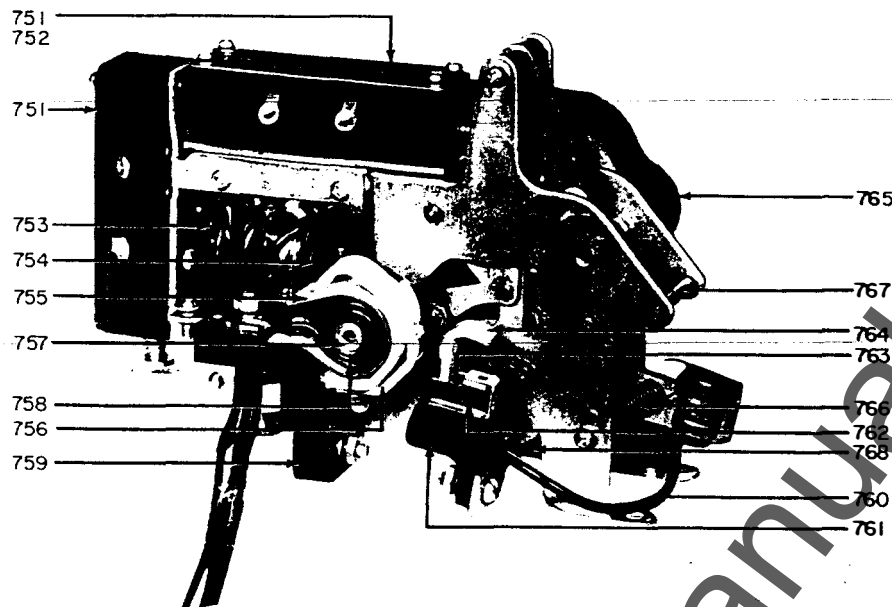


Fig. 13. Control device for all mechanisms (Ref. 750)

**Control Device Mechanism (Refer to Fig. 13)

Ref. No.	Cat. No. for Type AM-13.8 (MVA)-4	No. Per Mechanism	Description
750	733-0403A0225G001	1	Control device (125v d-c)
Δ750	006375988G006	1	Control device (250v d-c)
#750	0403A0225G002	1	Control device (230v a-c) (intermittent)
Δ750	0403A0224G003	1	Control device (230v a-c) (intermittent)
#750	0403A0223G001	1	Control device (230v a-c) (continuous)
750	0403A0224G004	1	Control device (230v a-c) (continuous)
751	0295B0227G002	2	Auxiliary switch, top and back (125 and 250v d-c)
751	0295B0227G002	1	Auxiliary switch, back (230v a-c only)
752	0295B0227G001	1	Auxiliary switch, top (230v a-c only)
753	006275017G019	1	125v d-c
753	006275017G020	1	250v d-c
753	006275017G033	1	230v a-c (continuous)
753	006275017G034	1	230v a-c (intermittent)
754	006591455P001	*	Support for contact tip
755	006442392P001	*	Insulation
756	006591411G001	*	Support for stationary contact
757	006591450P001	*	Core
758	006412255P001	*	Blowout coil
759	006412251P001	*	Support for coil
760	006591440G001	1	Connector (250v d-c)
Δ760	006591440G003	1	Connector (125v d-c, 230v a-c) (intermittent or continuous)
#760	006591440G004	1	Connector (230v a-c) (intermittent or continuous)
761	006592161P001	*	Support for movable contact
762	006592162P001	*	Shield
763	006477041P001	*	Spring
764	006591412G001	*	Movable contact
765	006591404G001	*	Arc chute assembly
766	006272844	1	Spring
767	0365A0458	1	Spring (a-c intermittent and d-c)
767	006370699	1	Spring (a-c continuous)
768	006477063	1	Spring
†769	0456A0812G001	1	Hardware for mounting control device

† Not illustrated.

Δ This control device has a single arc chute.

This control device has double arc chutes.

* Quan. is (1) for control device with a single arc chute.

Quan. is (2) for control device with double arc chutes.

** Always specify complete information from nameplate of control device when ordering replacement parts.

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PARTS RECOMMENDED FOR NORMAL STOCK (CONT'D)

Ref. No.	Amps	Type	Catalog Number for Type AM-13.8		No. Reqd.	Description
			-4	-6S		
663	All	All	733-006275017G019	733-006275017G019	1	Undervoltage device coil (125v d-c)
663	All	All	006275017G033	006275017G033	1	Undervoltage device coil (230v d-c)
663	All	All	006275017G020	006275017G020	1	Undervoltage device coil (250v d-c)
738	All	All	006174599G002	006174599G002	3	Current trip coil (3 amp a-c)
738	All	All	006174599G006	006174599G006	1	Capacitor trip coil (230v a-c)
753	All	All	066275017G019	006275017G019	1	Control device coil (125v d-c)
753	All	All	006275017G020	006275017G020	1	Control device coil (250v d-c)
753	All	All	006275017G033	006275017G033	1	Control device coil (230v a-c continuous)
753	All	All	006275017G034	006275017G034	1	Control device coil (230v d-c intermittent)

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