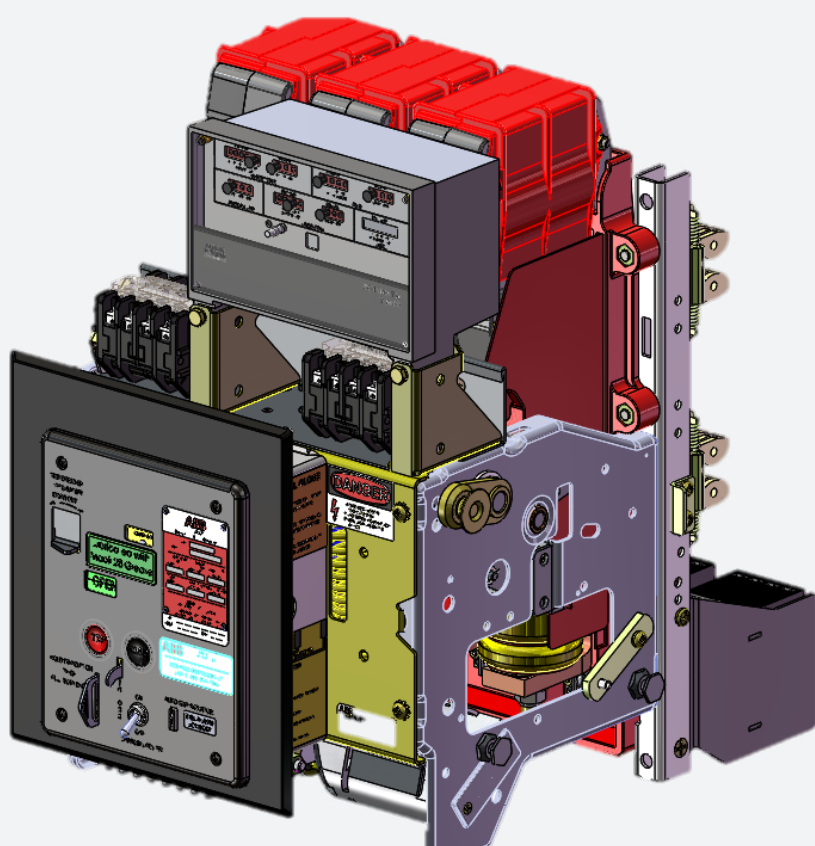


ELECTRIFICATION SERVICE

Low voltage power circuit breakers

K-Line / KDON renewal parts



Overview

General notes

1. Renewal parts shown on the pages of this guide are labeled with figure reference codes in the order tables and in the section featuring larger images of the items.
 2. Recommended order quantities are as follows:
 - Domestic: One (1) complete set for each ten (10) circuit breakers or fraction thereof installed for each rating.
 - International: One (1) complete set for each five (5) circuit breakers or fraction thereof installed for each rating.
- Note: Figure reference parts marked with a delta (Δ) are minimums that should be ordered for normal-duty applications. For heavy-duty applications, order all applicable figure reference parts. Hardware kit available.
3. The parts listed cover an indefinite period. With normal duty and maintenance, replacement will be infrequent.
 4. Standard hardware (screws, nuts, lock washers, etc.) is not included with the parts.
 5. Where continuity of service is mandatory, a spare circuit breaker is recommended.

Ordering instructions

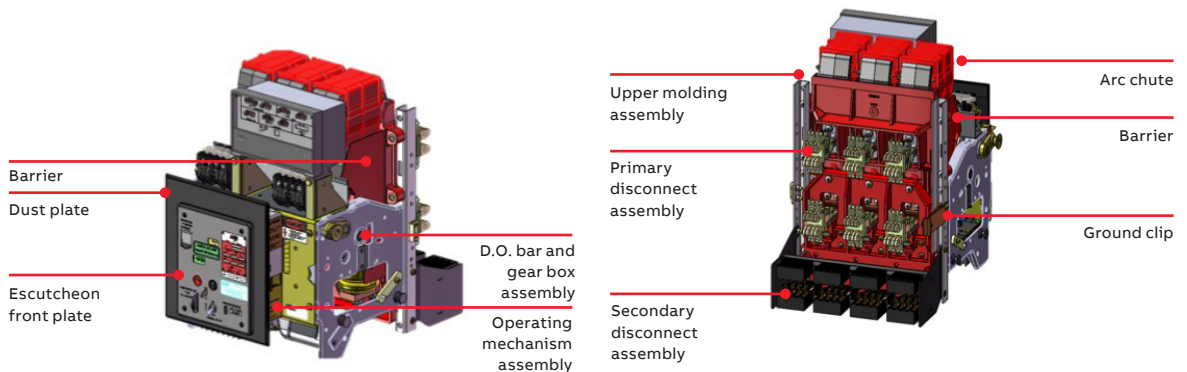
When ordering, state type of circuit breaker and serial number from circuit breaker nameplate in addition to part description and ordering number. State the quantity, description and ordering number of each assembly or part required, as applicable.

EXAMPLE: To order moving contact assemblies for a typical K-600 circuit breaker, provide the following:

- Serial no. 39402-22-2-4A (from nameplate)
S.O. 33-39402
- Quantity – 2 (fig. ref. 4B, page 4) moving contact assemblies 706783T02

The recommended renewal parts in this bulletin apply only to circuit breakers having the features listed. For example, if the circuit breaker is stationary mounted, disregard the primary and secondary disconnect assemblies (fig. ref. 25A, B, C, D, E and 28). If the circuit breaker has a special feature not listed, provide complete description of the feature, such as “shunt trip — 120 volts AC,” in addition to other information requested in the above example. When ordering current-limiting fuses, always specify the continuous current rating in addition to the order number.

Note: For figure reference parts marked with a bullet (•) — on circuit breakers equipped with solid-state overcurrent trip devices, designated by an S at the end of the circuit breaker type, both the solid-state logic assembly and the lower molding assembly must be replaced when changing the circuit breaker to a new ampere tap range.



Renewal parts

			Quantity per 3-pole breaker										
Cat. no.	Amps	Fig. ref.	K225	K600-K800	K1600	K2000	K600S/K800S(M)	K1600S(M)	K2000S(M)	KDON 600/800	KDON 1600	KDON 600S/800S(M)	KDON 1600S(M)
Lower base molding with OC trip device													
Standard type OD-3 electro- mechanical trip devices (specified ampere rating)													
1215OVCT302	20	7A	1	-	-	-	-	-	-	-	-	-	-
1215OVCT304	40	7A	1	-	-	-	-	-	-	-	-	-	-
1215OVCT307	70	7A	1	-	-	-	-	-	-	-	-	-	-
1215OVCT312	12 5	7A	1	-	-	-	-	-	-	-	-	-	-
1215OVCT322	22 5	7A	1	-	-	-	-	-	-	-	-	-	-
Lower molding, OD-3 overcurrent, K600, KDON 600													
1225OVCT304	40	7A	-	1	-	-	-	-	-	1	-	-	-
1225OVCT307	70	7A	-	1	-	-	-	-	-	1	-	-	-
1225OVCT312	12 5	7A	-	1	-	-	-	-	-	1	-	-	-
1225OVCT322	22 5	7A	-	1	-	-	-	-	-	1	-	-	-
1225OVCT340	400	7A	-	1	-	-	-	-	-	1	-	-	-
1225OVCT360	600	7A	-	1	-	-	-	-	-	1	-	-	-
Lower molding, OD-3 overcurrent, K800, KDON 800													
1285OVCT312	12 5	7A	-	1	-	-	-	-	-	1	-	-	-
1285OVCT322	22 5	7A	-	1	-	-	-	-	-	1	-	-	-
1285OVCT340	400	7A	-	1	-	-	-	-	-	1	-	-	-
1285OVCT380	800	7A	-	1	-	-	-	-	-	1	-	-	-
Lower molding, OD-3 overcurrent, K1600, KDON 1600													
1235OVCT322	22 5	7B	-	-	3	-	-	-	-	-	3	-	-
1235OVCT340	400	7B	-	-	3	-	-	-	-	-	3	-	-
1235OVCT380	800	7B	-	-	3	-	-	-	-	-	3	-	-
1235OVCT316	16 00	7B	-	-	3	-	-	-	-	-	3	-	-
Lower molding, OD-3 overcurrent, K2000													
1245OVCT340	400	7B	-	-	-	3	-	-	-	-	-	-	-
1245OVCT380	800	7B	-	-	-	3	-	-	-	-	-	-	-
1245OVCT316	16 00	7B	-	-	-	3	-	-	-	-	-	-	-
1245OVCT320	2000	7B	-	-	-	3	-	-	-	-	-	-	-
Lower base molding with phase and power sensors (use with MPS C-2000 trip device)													
709733T03	200	8A	-	-	-	-	1	-	-	-	-	1	-
709733T04	600	8A	-	-	-	-	1	-	-	-	-	1	-
709733T01	800	8A	-	-	-	-	1	-	-	-	-	1	-
709734T14	200	8B	-	-	-	-	-	3	-	-	-	-	-
709734T08	800	8B	-	-	-	-	-	3	-	-	-	-	-
709734T02	1600	8B	-	-	-	-	-	3	-	-	-	-	-
709734T13	800	8B	-	-	-	-	-	-	-	-	-	-	3
709734T07	1600	8B	-	-	-	-	-	-	3	-	-	-	3
709734T04	2000	8B	-	-	-	-	-	-	3	-	-	-	-



7A



7B

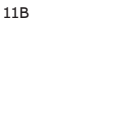


8A



8B

Renewal parts

				Quantity per 3-pole breaker										
Cat. no.	Amps	Volts	Fig. ref.	K225	K600-K800	K1600	K2000	K600S/ K800S(M)	K1600S(M)	K2000S(M)	KDON 600/800	K-Don 1600	KDON 600S/ 800S(M)	KDON 1600S(M)
Lower base molding with phase and power sensors														
	709733T13	50–225	–	8C	–	–	–	–	1	–	–	–	1	–
	709733T14	250–600	–	8C	–	–	–	–	1	–	–	–	1	–
	709733T12	300–800	–	8C	–	–	–	–	1	–	–	–	1	–
	709734T03	250–600	–	8D	–	–	–	–	–	3	–	–	–	–
	709734T01	600–1600	–	8D	–	–	–	–	–	3	–	–	–	–
	709733T06	250–600	–	8D	–	–	–	–	–	–	3	–	–	3
	709733T05	600–1600	–	8D	–	–	–	–	–	–	3	–	–	3
	709733T05	800–2000	–	8D	–	–	–	–	–	–	3	–	–	3
Power shield (standard type SS-3)^{1,2}														
	609901T003	50–225	–	9	–	–	–	–	1	–	–	–	1	–
	609902T003	250–600	–	9	–	–	–	–	1	1	1	–	1	1
	609907 T003	300–800	–	9	–	–	–	–	1	–	–	–	1	–
	609903T003	600–1600	–	9	–	–	–	–	1	1	1	–	–	1
	609904T003	800–2000	–	9	–	–	–	–	1	–	–	–	–	–
SS trip device test set (type 504)														
	608089T01	–	–	10	–	–	–	–	1	1	1	–	1	1
Operating mechanism assembly (M.O. stationary)														
	709774T01	–	–	11A	1	1	–	–	1	–	–	1	1	–
	709774T05	–	–	11A	–	–	1	1	–	1	1	–	1	1
Operating mechanism assembly (M.O. drawout)														
	709774T02	–	–	11A	1	1	–	–	1	–	–	1	1	–
	709774T06	–	–	11A	–	–	1	1	–	1	1	–	1	1
Operating mechanism assembly (E.O. stationary)²														
	709774T03	–	–	11B	1	1	–	–	1	–	–	1	1	–
	709774T07	–	–	11B	–	–	1	1	–	1	1	–	1	1
Operating mechanism assembly (E.O. drawout)²														
	716774T04	–	–	11B	1	1	–	–	1	–	–	1	1	–
	709774T08	–	–	11B	–	–	1	1	–	1	1	–	1	1

¹ Basic (phase only) power shield. For SS-4, SS-5, SS-7, etc., and for target or alarm option adders.

² Operating mechanisms shown are not to be used as replacements on circuit breakers equipped with Ryobi type motors.

Renewal parts

					Quantity per 3-pole breaker									
Cat. no.	Amps	Volts	Fig. ref.	K225	K600-K800	K1600	K2000	K600S/ K800S(M)	K1600S(M)	K2000S(M)	KDON 600/800	KDON 1600	KDON 600S/ 800S(M)	KDON 1600S(M)
Δ AMETEK motor assembly (re-manufactured) (when used)¹														
716799A03	–	48 DC	12A	1	1	1	1	1	1	1	1	1	1	1
716799A01	–	110/120 AC or 125 DC	12A	1	1	1	1	1	1	1	1	1	1	1
716799A02	–	208/240 AC or 250 DC	12A	1	1	1	1	1	1	1	1	1	1	1
Δ Motor assembly (when used) (Ryobi/Wuxi)¹														
716601T03	–	48 DC	12B	1	1	–	–	1	–	–	1	–	1	–
716601T01	–	110/120 AC or 125 DC		1	1	–	–	1	–	–	1	–	1	–
716601T02	–	208/240 AC or 250 DC	12B	1	1	–	–	1	–	–	1	–	1	–
716601T06	–	48 DC	12B	–	–	1	1	–	1	1	–	1	–	1
716601T04	–	110/120 AC or 125 DC		–	–	1	1	–	1	1	–	1	–	1
716601T05	–	208/240 AC or 250 DC	12B	–	–	1	1	–	1	1	–	1	–	1
Δ Control device assembly (when used)														
708392T09	–	110/120 AC	13	1	1	1	1	1	1	1	1	1	1	1
708392T16	–	208/240 AC	13	1	1	1	1	1	1	1	1	1	1	1
708392T06	–	48 DC	13	1	1	1	1	1	1	1	1	1	1	1
708392T07	–	125 DC	13	1	1	1	1	1	1	1	1	1	1	1
708392T08	–	250 DC	13	1	1	1	1	1	1	1	1	1	1	1
Δ First shunt trip assembly (when used)														
708393T1 2	–	110/120 AC	14 A	1	1	1	1	–	1	1	1	1	–	1
708393T10	–	208/240 AC	14 A	1	1	1	1	–	1	1	1	1	–	1
708393T11	–	360/480 AC	14 A	1	1	1	1	–	1	1	1	1	–	1
708393T08	–	500/600 AC	14 A	1	1	1	1	–	1	1	1	1	–	1
708393T06	–	48 DC	14 A	1	1	1	1	–	1	1	1	1	–	1
708393T07	–	125 DC	14 A	1	1	1	1	–	1	1	1	1	–	1
708393T08	–	250 DC	14 A	1	1	1	1	–	1	1	1	1	–	1
Δ Second shunt trip assembly (when used)														
709723T12	–	110/120 AC	14 B	1	1	1	1	–	1	1	1	1	–	1
709723T10	–	208/240 AC	14 B	1	1	1	1	–	1	1	1	1	–	1
709723T11	–	360/480 AC	14 B	1	1	1	1	–	1	1	1	1	–	1
709723T08	–	500/600 AC	14 B	1	1	1	1	–	1	1	1	1	–	1
709723T06	–	48 DC	14 B	1	1	1	1	–	1	1	1	1	–	1
709723T07	–	125 DC	14 B	1	1	1	1	–	1	1	1	1	–	1
709723T08	–	250 DC	14 B	1	1	1	1	–	1	1	1	1	–	1

¹ Replacement of motor assembly may require replacement of complete operating mechanism assembly.

												Quantity per 3-pole breaker			
	Cat. no.	Volts	Fig. ref.	K225	K600-K800	K1600	K2000	K600S/ K800S(M)	K1600S(M)	K2000S(M)	KDON 600/800	KDON 1600	KDON 600S/ 800S(M)	KDON 1600S(M)	
	Δ Magnetic latch assembly (static (S))														
	16 0862T03	–	15	–	–	–	–	1	1	1	–	–	1	1	
	Δ Magnetic latch assembly (MPSC (M))														
	713939T09	–	–	–	–	–	–	1	–	–	–	–	1	–	
	713939T10	–	–	–	–	–	–	–	1	1	–	–	–	1	
	Δ Undervoltage trip device — instantaneous (when used)														
	708472T01	110/1 20 AC	16A	1	1	1	1	1	1	1	1	1	1	1	
	708472T02	208/240 AC	16A	1	1	1	1	1	1	1	1	1	1	1	
	708472T04	360/480 AC	16A	1	1	1	1	1	1	1	1	1	1	1	
	708472T05	500/600 AC	16A	1	1	1	1	1	1	1	1	1	1	1	
	708472T06	48 DC	16A	1	1	1	1	1	1	1	1	1	1	1	
	708472T07	1 25 DC	16A	1	1	1	1	1	1	1	1	1	1	1	
	708472T08	250 DC	16A	1	1	1	1	1	1	1	1	1	1	1	
	Δ Undervoltage trip device — time delay (when used)														
	708472T09	110/1 20 AC	16B	1	1	1	1	1	1	1	1	1	1	1	
	708472T10	208/240 AC	16B	1	1	1	1	1	1	1	1	1	1	1	
	708472T12	360/480 AC	16B	1	1	1	1	1	1	1	1	1	1	1	
	708472T13	500/600 AC	16B	1	1	1	1	1	1	1	1	1	1	1	
	708472T14	48 DC	16B	1	1	1	1	1	1	1	1	1	1	1	
	708472T15	1 25 DC	16B	1	1	1	1	1	1	1	1	1	1	1	
	708472T16	250 DC	16B	1	1	1	1	1	1	1	1	1	1	1	
	Open fuse trip device														
	709724T01	–	17	–	–	–	–	–	–	–	1	1	1	1	
	Operation counter (when used)														
	180522C00	–	18	1	1	1	1	1	1	1	1	1	1	1	

Renewal parts

				Quantity per 3-pole breaker										
				K225	K600-K800	K1600	K2000	K600S/ K800S(M)	K1600S(M)	K2000S(M)	KDON 600/800	KDON 1600	KDON 600S/ 800S(M)	KDON 1600S(M)
Cat. no.	Description	Amps	Fig. ref.											
Motor disconnect switch (when used)														
71 5668A00	–	–	19	1	1	1	1	1	1	1	1	1	1	1
Electrical close switch (when used)														
716100C00	–	–	20	1	1	1	1	1	1	1	1	1	1	1
Opening spring														
65022 0A06	–	–	21	2	2	–	–	2	–	–	2	–	2	–
650220A07	–	–	–	–	–	2	2	–	2	2	–	2	–	2
Drawout mechanism assembly														
703230T1 5	–	–	22	1	1	–	–	1	–	–	1	–	1	–
703230T16	–	–	–	–	–	1	1	–	1	1	–	1	–	1
Dust plate														
702669A00	–	–	23	1	1	1	1	1	1	1	1	1	1	1
Escutcheon front plate assembly														
70811 8K01	M.O. stationary	–	24 A	1	1	1	1	1	1	1	1	1	1	1
70811 8K02	M.O. drawout	–	24 A	1	1	1	1	1	1	1	1	1	1	1
7081 19 K03	E.O. stationary	–	24B	1	1	1	1	1	1	1	1	1	1	1
7081 19 K04	E.O. drawout	–	24B	1	1	1	1	1	1	1	1	1	1	1



19



20



21



22



23



24A



24B

Renewal parts

											Quantity per 3-pole breaker				
Cat. no.		Amps	Fig. ref.	K225	K600-K800	K1600	K2000	K600S/K800S(M)	K1600S(M)	K2000S(M)	KDON 600/800	KDON 1600	KDON 600S/800S(M)	KDON 1600S(M)	
Primary disconnect assembly															
	25B		706777T01	-	25A	6	-	-	-	-	-	-	-	-	
			706777T03	-	25B	-	6	-	-	6	-	3	-	3	-
			706777T05	-	25C	-	-	-	-	-	-	3	-	3	-
			706777T11	-	25D	-	-	6	-	-	6	-	-	-	-
			709957T01	-	25E	-	-	-	6	-	-	-	6	-	6
Secondary disconnect assembly (when used)															
	25D		703153K01	Moving	-	26A	2	2	2	2	2	2	2	2	
			271985T01	Stationary	-	26B	2	2	2	2	2	2	2	2	2
Δ Current-limiting fuse (when used)															
	26A		710316A01	300 (non-UL)	27	-	-	-	-	-	3	3	3	-	
			710316A02	400 (non-UL)	27	-	-	-	-	-	-	3	3	3	-
			710316A03	600 (non-UL)	27	-	-	-	-	-	-	3	3	3	3
			710316A04	800 (UL)	27	-	-	-	-	-	-	3	3	3	3
			710316A05	1000 (UL)	27	-	-	-	-	-	-	3	3	3	3
			710316A06	1200 (UL)	27	-	-	-	-	-	-	3	3	3	3
			710316A07	1600 (UL)	27	-	-	-	-	-	-	-	3	-	3
			710316A08	2000 (UL)	27	-	-	-	-	-	-	-	3	-	3
	27		712652A00	2500 (UL)	27	-	-	-	-	-	-	3	-	3	

Renewal parts

				Quantity per 3-pole breaker									
Cat. no.	Description	Fig. ref.	K225	K600-K800	K1600	K2000	K600S/K800S(M)	K1600S(M)	K2000S(M)	KDON 600/800	KDON 1600	KDON 600S/800S(M)	KDON 1600S(M)
Auxiliary switch													
700034K01	4-contact	28A	1	1	1	1	1	1	1	1	1	1	1
700038K01	8-contact	28B	1	1	1	1	1	1	1	1	1	1	1
Auxiliary switch with mounting													
709653T01	4-contact – RH	29	1	1	–	–	1	–	–	1	–	1	–
709653T02	8-contact – RH	29	1	1	–	–	1	–	–	1	–	1	–
709653T03	4-contact – LH	29	1	1	–	–	1	–	–	1	–	1	–
709653T04	4-contact – LH, 4-contact – RH (as shown)	29	1	1	–	–	1	–	–	1	–	1	–
709653T05	4-contact – LH, 8-contact – RH	29	1	1	–	–	1	–	–	1	–	1	–
709653T06	4-contact – RH	29	–	–	1	1	–	1	1	–	1	–	1
709653T07	8-contact – RH	29	–	–	1	1	–	1	1	–	1	–	1
709653T08	4-contact – LH	29	–	–	1	1	–	1	1	–	1	–	1
709653T09	4-contact – LH, 4-contact – RH	29	–	–	1	1	–	1	1	–	1	–	1
709653T10	4-contact – LH, 8-contact – RH	29	–	–	1	1	–	1	1	–	1	–	1
Ground clip													
703230T03	–	30	1	1	1	1	1	1	1	1	1	1	1
Hardware and retainer kit													
709654T02	–	31	1	1	1	1	1	1	1	1	1	1	1
Circuit breaker accessories (order accessories in quantities as required)													
709770T01	Accessory kit	32	–	–	–	–	–	–	–	–	–	–	–
716664T02	Manual charging handle	33	–	–	–	–	–	–	–	–	–	–	–
709770T05	Lifting yoke	34	–	–	–	–	–	–	–	–	–	–	–
711706K03	Racking crank	35	–	–	–	–	–	–	–	–	–	–	–

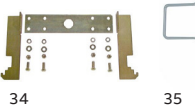
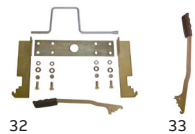


Figure reference images

- 1A Arc chute assembly
- 1B Arc chute assembly
- 2A Arc chute retainer
- 2B Arc chute retainer
- 3A Upper base molding with stationary contact assembly
- 3B Upper base molding with stationary contact assembly
- 4A Moving contact assembly



1A



1B



2A



2B



3A



3B



4A

Figure reference images

—
4B Moving contact
assembly

—
4C Moving contact
assembly

—
5A Upper base molding
with stationary and
moving contacts

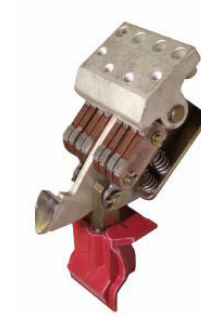
—
5B Upper base molding
with stationary and
moving contacts

—
6A Interphase barrier

—
6B Interphase barrier



—
4B



—
4C



—
5A



—
5B



—
6A



—
6B

Figure reference images

6C Interphase barrier

7A Lower molding,
OD-3 overcurrent,
K600, K-Don 600

7B Lower molding,
OD-3 overcurrent,
K1600, K-Don 1600

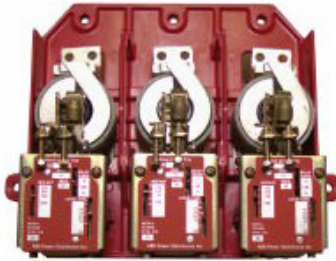
8A Lower base molding
with phase and power
sensors (use with
MPSC-2000 trip device)

8B Lower base molding
with phase and power
sensors (use with
MPSC-2000 trip device)

9 Power shield
(standard type SS-3)



6C



7A



7B



8A



8B



9

Figure reference images

10 SS trip device test set (type 504)

11A Operating mechanism assembly (M.O. stationary)

11B Operating mechanism assembly (E.O. stationary)

12A Δ AMETEK motor assembly (re-manufactured) (when used)

12B Δ Motor assembly (when used) (Ryobi/Wuxi)

13 Δ Control device assembly (when used)



12A

12B

13

Figure reference images

- 14A Δ First shunt trip assembly (when used)
- 14B Δ Second shunt trip assembly (when used)
- 15 Δ Magnetic latch assembly (static (S))
- 16A Δ Undervoltage trip device — instantaneous (when used)
- 16B Δ Undervoltage trip device — time delay (when used)
- 17 Open fuse trip device



14A



14B



15



16A



16B



17

Figure reference images

- 18 Operation counter (when used)
- 19 Motor disconnect switch (when used)
- 20 Electrical close switch (when used)
- 21 Opening spring
- 22 Drawout mechanism assembly
- 23 Dust plate



18



19



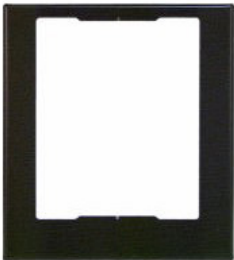
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21



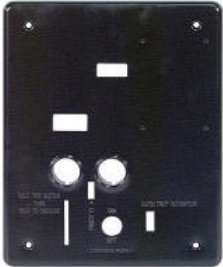
22



23

Figure reference images

- 24A Escutcheon front plate assembly
- 24B Escutcheon front plate assembly
- 25A Primary disconnect assembly
- 25B Primary disconnect assembly
- 25C Primary disconnect assembly
- 25D Primary disconnect assembly



24A



24B



2—
5A



25B



25C



25D

Figure reference images

—
25E Primary disconnect
assembly

—
26A Secondary
disconnect assembly
(when used)

—
26B Secondary
disconnect assembly
(when used)

—
27 Δ Current-limiting
fuse (when used)

—
28A Auxiliary switch
4-contact

—
28B Auxiliary switch
8-contact

—
29 Auxiliary switch
with mounting



—
25E



—
26A



—
26B



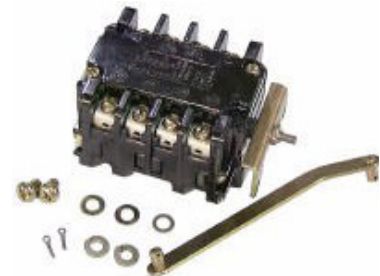
—
27



—
28A



—
28B



—
29

Figure reference images

30 Ground clip
31 Hardware and
retainer kit



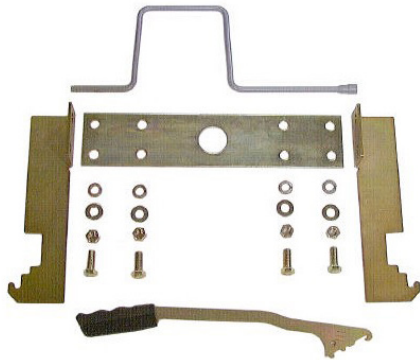
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31

Figure reference images

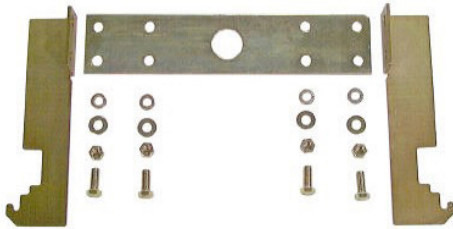
- 32 Accessory kit
- 33 Manual charging handle
- 34 Lifting yoke
- 35 Racking crank



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32



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33



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34



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35

Additional information

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