

RENEWAL PARTS DATA

FOR
WESTINGHOUSE EQUIPMENT



FURNISHED TO

AMERICAN TOBACCO COMPANY
(Power Plant)
Durham, North Carolina

Purchaser's Order N-4065

G.O. CH-42519-Y - S.O. 23-Y-6731

SWITCHING EQUIPMENT

Westinghouse Electric Corporation
EAST PITTSBURGH, PENNSYLVANIA

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RENEWAL PARTS

Description	R.P.D. Number
Circuit Breaker, 50DH250E-1200A	32-250-50-250E1200
Fuses, Current Limiting Power, BAL	36-620-BAL
Fuses, Cartridge.	37-000-CF
Indicating Lamp	37-350
Contactor, Types N-130 & N-140.	11-000-A1
Instruments, Type K-25 Switchboard.	43-250A1
Meters, Type CB-F to CB-38F Switchboard Watthour	42-104-1
Switch, Type W Control.	37-150.CS.1
Switch, Type W Instrument	37-150.IS.1
Switches, Relay, Type WL	37-151.1
Relay, Type CA, Percentage Differential, Generator	41-205
Relays, Types CO-2, CO-5, to CO-11 Overcurrent.	41-101A1
Relays, in Type FT-11 to FT-42 Cases.	41-076A1
Relay, Type SG, Auxiliary	41-751A1
Relay, Type TK, Timing	41-366

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Assembled Switchgear

TYPE 50-DH-250-E DE-ION AIR CIRCUIT BREAKER
1200 Ampere - 4.16 Kv - 60 Cycle - 3 Pole

Recommendations for Stock

Refer to I.B. 32-251-3 Pages 28 to 34 Inclusive
for Maintenance and Parts Identification

renewal
parts data

32-250
50-250E
1200

the following parts are most subject to wear in ordinary operation:

Ref. No.	name of part	identification number	number required
1	Stationary Arcing Contact	497A061GC2	3#
2	Moving Arcing Contact	201B264G01	3#
3	Moving Arcing Contact	201B264G02	3#
4	Stationary Main Contact	201B282G01	12#
5	Moving Main Contact	302C578G02	3#
6	Stationary Main Contact Spring	26D2165H17	12
7	Moving Arcing Contact Spring - Outer	26D2165H15	3
8	Moving Arcing Contact Spring - Inner	26D2165H16	3
9	Spring Insulation	408D210H06	3
10	Operating Rod	2CCB809G02	3
11	MICARTA Bushing (6 Req./Bkr.)	200B452H02	1
12	Retrieving Spring	125A592H03	1
13	Trigger Spring	125A706H01	1
14	Roller Lever Spring	125A706H02	1
15	Veeder Counter Spring	300C987H07	1
16	Bumper	1736 633	2#
17	Latch Check Switch	1802 630	1
18	Cut-Off Switch	1418 855	1
19	Shaft Spring	27D3766H07	1
20	Interlock Stop Pin Spring	27D6214H10	1
21	Cam Latch Plate	403D997H05	2
22	Cam Latch Plate Spring	125A592H01	1
23	Puffer Rod Accelerating Spring	27D3766H16	2
24	Puffer Diaphragm	300C980H01	1
25	Secondary Contact Slide Latch	125A591H02	1
26	Secondary Contact Slide Latch Spring	125A595H01	1
27	Main Disconnect (6 Req./Bkr.)	1332 614	2
28	Arc Chamber (3 Req./Bkr.)	408D112G01	1
29	Closing Coil - See Nameplate for Volt.	.....	1#
	125 V. D.C.	300P556G01	
	250 V. D.C.	300P564G01	
30	Trip Coil - See Nameplate for Volt.	.....	1#
	24 V. D.C.	476 915	
	48 V. D.C.	478 047	
	125 V. D.C.	476 676	
	250 V. D.C.	712 266	
	220 V. A.C. - 60 Cycle	478 047	
	Capacitor Shunt Trip	300 870	
31	Arcing Contact Shunt	301C884G01	3

#For one to five circuit breakers order parts identified #.
For six to ten circuit breakers order double quantity
identified # plus number required of all other parts
recommended.

January, 1961

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Switchgear Accessories

CURRENT LIMITING-FUSES
POWER

600 Volts to 34.5 Kv Indoor

renewal
parts data36-620
BAL

fuse units

type	amps	nominal voltage rating	interrupting rating rms amps	style number
non-indicating only				
BAL-1 △	1♣	600	100,000	1585 343
	5♣	600	100,000	1585 344
	1♣□	850	100,000	1594 855
	6♣□	850	100,000	1733 537
	2E♣	600	100,000	1254 953
	5E♣	600	100,000	1254 955
	7E♣	600	100,000	1533 754
	10E♣	600	100,000	1533 755
BAL-PT △	½E♣	2400	60,000	1196 143
	1E♣	2400	60,000	1251 138
	2E♣	2400	60,000	1585 319
indicating				
BAL-PT 25/60 cy	½E	4800	80,000	1247 217
		7200	80,000	1247 218
		14400	130,000	1247 219
		23000	70,000	1247 220
		34500	70,000	1534 678
BAL-10 25/60 cy	5E	4800	60,000	1291 963
		7200	80,000	1291 964
		14400	130,000	1291 965
	10E	4800	60,000	1291 968
		7200	80,000	1291 969
		14400	50,000	1291 970
BAL-25 50/60 cy	15E	2400	60,000	1332 763
		4800	60,000	1332 766
		7200	80,000	1332 769
		14400	50,000	1332 772
	20E	2400	60,000	1332 764
		4800	60,000	1332 767
		7200	80,000	1332 770
		14400	50,000	1332 773
	25E	2400	60,000	1332 765
		4800	60,000	1332 768
		7200	80,000	1332 771
		14400	50,000	1332 774
	30E	2400	60,000	1576 468
		4800	60,000	1576 470
		7200	80,000	1576 472
		14400	50,000	1576 474
BAL-200 50/60 cy	40E	2400	60,000	1576 469
		4800	60,000	1576 471
		7200	80,000	1576 473
		14400	50,000	1576 475
	50E	2400	60,000	1318 710
		4800	60,000	1318 720
		7200	80,000	1318 727
		14400	50,000	1318 731
	65E	2400	60,000	1318 711
		4800	60,000	1318 721
		7200	80,000	1318 728
		14400	50,000	1318 732
	80E	2400	60,000	1318 712
		4800	60,000	1318 722
	100E	2400	60,000	1318 713
		4800	60,000	1318 723
	125E	2400	60,000	1318 714
		4800	60,000	1318 724
	150E	2400	60,000	1318 715
		4800	60,000	1318 725
	200E	2400	60,000	1318 716
		4800	60,000	418D565G31
BAL-300 50/60 cy	80E	7200	80,000	432D886G17
		14400	50,000	432D886G25
	100E	7200	80,000	432D886G18
		14400	50,000	432D886G26
	250E	2400	60,000	432D886G06

♣ d-c ♣ 25/60 cycles ▲ 50/60 cycles

△ All non-indicating fuses except those for 850 volts d-c are 4½" long and use BAL-1 fuse mounting.

□ The 850 volt fuses are 6½" long. Fuse clips only are available for them.

September, 1960

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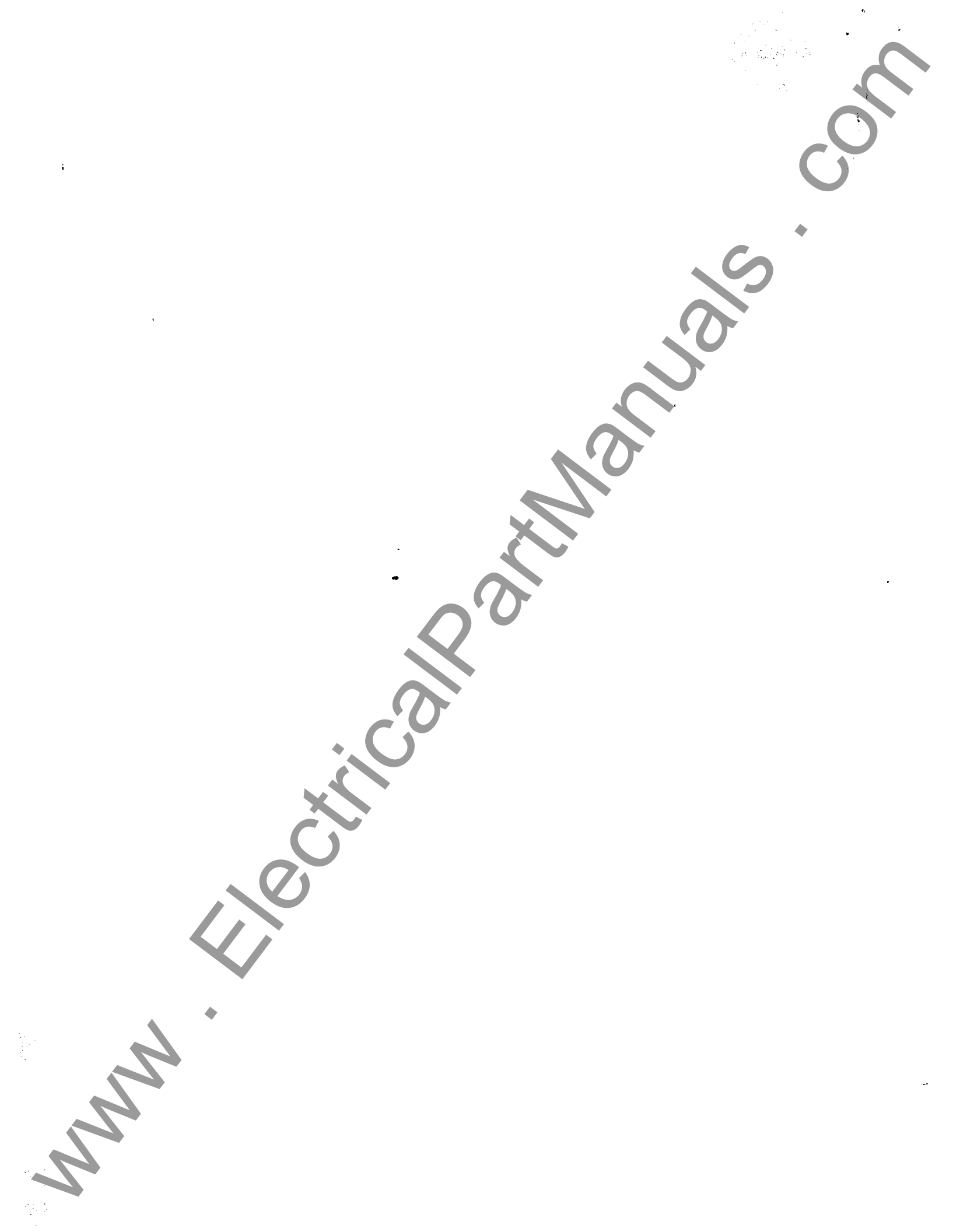


CARTRIDGE FUSES

Style Number 250 Volt	Amperes	Style Number 600 Volt
FERRULE CONTACTS		
120A823H01	1	120A824H01
12CA823H02	3	120A824H02
120A823H03	6	120A824H03
120A823H04	10	120A824H04
120A823H05	15	120A824H05
120A823H06	20	120A824H06
12CA823H07	25	120A824H07
120A823H08	30	12CA824H08
120A823H09	35	12CA824H09
120A823H10	40	12CA824H10
12CA823H11	45	12CA824H11
120A823H12	50	120A824H12
12CA823H13	60	12CA824H13
KNIFE BLADE CONTACTS		
120A823H18	70	120A824H18
120A823H19	80	120A824H19
120A823H20	90	12CA824H20
120A823H21	100	120A824H21
120A823H22	110	120A824H22
12CA823H23	125	120A824H23
12CA823H24	150	120A824H24
120A823H25	175	120A824H25
120A823H26	200	12CA824H26
120A823H27	225	120A824H27
12CA823H28	250	12CA824H28
120A823H29	300	120A824H29
120A823H30	350	12CA824H30
120A823H31	400	120A824H31
120A823H32	450	120A824H32
120A823H33	500	120A824H33
120A823H34	600	120A824H34

Supersedes Renewal Parts Data 37-000 F823.1 Dated June, 1960

September, 1960





INDICATING LAMPS

Service Voltage	RECTANGULAR MINALITE				LARGE ROUND MINALITE	ROUND MINALITE
	For 24 V. - 0.75 Watt Bulb		For 48 V. - 1.5 Watt Bulb			
	For Panels Up to 3/16"	For Panels 1/4" to 2"	For Panels Up to 3/16"	For Panels 1/4" to 2"		
RECEPTACLES						
25	1589 180	1589 180	.... .	.... .	549 460	822 328
50	1589 181	1589 193	1589 180	1589 180	549 461	1640 615
70	1589 182	1589 194	1584 570	1615 757	822 288	1640 613
115	1589 183	1589 195	1584 571	1615 758	1640 609	822 323
125	1589 184	1589 196	1584 572	1615 759	549 462	822 322
208	1589 185	1589 197	1615 754	1615 760	1114 967	1640 614
230	1589 186	1589 198	1615 755	1615 761	1640 610	822 321
250	1589 187	1589 199	1615 756	1615 762	549 463	822 320
380	1589 188	1589 188	1615 720	1615 720	.... .	.... .
480	1589 189	1589 189	1615 721	1615 721	.... .	.... .
25%	.... .	.... .	.... .	.... .	549 464	.... .
50%	1589 190	1589 190	.... .	.... .	549 465	.... .
125%	1589 191	1589 191	1615 722	1615 722	549 466	.... .
250%	1589 192	1589 192	1615 723	1615 723	549 467	.... .
% Bright - Dim Operation						
BULBS						
18	.... .	.... .	.... .	.... .	549 474	.... .
24	1124 156	1124 156	.... .	.... .	.... .	1640 619
48	.... .	.... .	1615 719	1615 719	.... .	.... .
55	.... .	.... .	.... .	.... .	.... .	822 314
LENS						
Color						
Red	1615 688	1615 688	1615 688	1615 688	549 468	822 265
Green	1615 689	1615 689	1615 689	1615 689	549 469	822 266
Clear	1615 690	1615 690	1615 690	1615 690	549 470	822 270
Blue	1615 691	1615 691	1615 691	1615 691	549 471	822 268
Amber	1615 692	1615 692	1615 692	1615 692	549 472	822 269
Opal	1615 693	1615 693	1615 693	1615 693	549 473	822 267

Lamp Extractor S#1418 127

Supersedes RPD 37-350 Dated June, 1960

September, 1960

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Life-Line® starters and contactors
type N • size 1

renewal
parts data

11-000A1

page 1

non-reversing and reversing
two, three and four pole

general

This data presents the most frequently used renewal parts for size 1 type N Life-Line starters and Life-Line contactors of current design.

Information on parts not shown may be obtained at the nearest Westinghouse office. Please advise class and style number of complete starter when requesting this information.

style numbers¹

starters

non-reversing
style number

reversing
style number

contactors

non-reversing
style number

2-pole

1314 998 ▲
1587 727 to 1587 737
1588 793 to 1588 858

1314 997 ▲
1314 999 ▲
1587 705 to 1587 715
1605 648 to 1605 658
1605 908 to 1605 918 ▲
1606 712 to 1606 722 ▲

3-pole

1532 852 ▲
1577 240 to 1577 250
1577 914 to 1577 924
1578 515 to 1578 569
1578 718 to 1578 729
1578 742 to 1578 765
1578 778 to 1578 801
1578 814 to 1578 825
1587 164 to 1587 174
1587 186 to 1587 207
1587 219 to 1587 240
1587 252 to 1587 262
1587 749 to 1587 856
1587 934 to 1588 032
1588 105 to 1588 203
1588 513 to 1588 534+
1605 752
1606 761
1613 969 to 1613 979
1613 991 to 1614 012
1614 024 to 1614 045
1614 057 to 1614 067
26D6086G1 to 26D6086G11
26D6087G1 to 26D6087G11
26D6088G1 to 26D6088G11
26D6089G1 to 26D6089G11
30D9284G1 to 30D9284G11
30D9285G1 to 30D9285G11
30D9286G1 to 30D9286G11
30D9287G1 to 30D9287G11
31D5345G1 to 31D5345G6
31D5346G1 to 31D5346G6
31D5347G1 to 31D5347G6
31D5348G1 to 31D5348G6
31D5361G1 to 31D5361G7
31D5362G1 to 31D5362G7
31D5363G1 to 31D5363G7
31D5364G1 to 31D5364G7

1577 895 ▲
1578 109 to 1578 119
1588 653 to 1588 674
1605 033 to 1605 065
1605 757
1606 762
31D5439G01 to 31D5439G11
31D5442G01 to 31D5442G11
31D5443G01 to 31D5443G12
31D5450G01
31D5450G03 to 31D5450G07
31D5451G01 to 31D5451G10
31D5452G01
31D5452G03 to 31D5452G07
31D5453G01 to 31D5453G10
31D5454G01 to 31D5454G03
31D5455G01 to 31D5455G06
133A082G02
133A087G01
133A087G03 to 133A087G11
133A201G01
133A201G03 to 133A201G08
133A202G01 to 133A202G10

1532 849 ▲
1532 850 ▲
1577 229 to 1577 239
1578 570 to 1578 591
1605 470
1605 471
1614 203 to 1614 205 ▲

4-pole

1532 854 ▲
1577 207 to 1577 217
1588 270 to 1588 335

1532 855 ▲
1577 218 to 1577 228
1605 823 to 1605 833

▲ Mechanical parts style number, not supplied without coils, specify number coil desired.

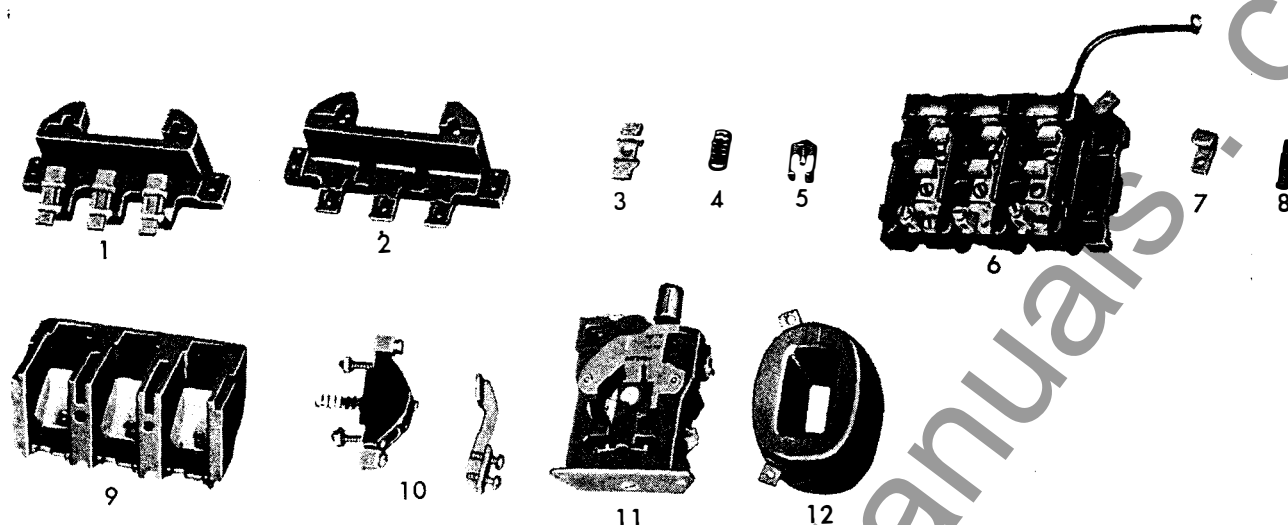
+ 3 overload relays.

△ No interlock.

¹ See page 2 for style number of individual replacement parts.

July, 1960

supersedes rpd 11-000A1 dated November, 1957, rpd 11-001A1 dated February, 1958 and rpd 15-825A1 dated April, 1954
mailed to: E/587, 591, 593, 595, 597, 636; D/792/PL, C, S; C301, 305, 307, 309, 451



kits of normal wearing parts

Normal wearing parts for two and three pole Linestarters have been packaged in a single, easily identified contact kit. Each kit contains one moving contact, one moving contact spring and two stationary contacts for each pole. The contact kit for a two pole Linestarter is style number 1605 211 and for three pole is style number 1605 212. Two style number 1605 211 kits are used for a four pole Linestarter.

ordering information

- Name part and give its style number.
- State method of shipment desired.
- Send all orders or correspondence to nearest sales office of the Company.

reference number	description of part	style number of part			number used ^a
		two pole	three pole	four pole	
1	cross bar complete	1774 346 [◇]	1774 347 [◇]	1605 215	1
2	cross bar	1763 743 [◇]	1763 743 [◇]	1314 995	1
3	moving contact	1314 985	1314 985	1314 985	11 per pole
4	contact spring	1314 961	1314 961	1314 961	11 per pole
5	moving contact support	1314 971	1314 971	1314 971	1 per pole
6	base complete	1605 217	1605 218	1605 219	1
7	stationary contact	1314 986	1314 986	1314 986	12 per pole
8	kickout spring	1314 959	1314 959	1314 959	1
9	arc box	1605 221	1605 221	1605 222	1
10	interlock—normally open	453D976 G05	453D976 G05	453D976 G05	1
	interlock—normally closed	453D976 G06	453D976 G06	453D976 G06	1
					▲used on reversing devices
11	overload relay	48A3454 G03	48A3454 G03	48A3454 G03	●2
△	pushbutton unit (when used)	1400 797	1400 797	1400 797	1
△	selector switch unit (when used)	1400 796	1400 796	1400 796	1
12	operating coil	see table—order by voltage and frequency			
△	heater for relay	order by code number on heater or see price list 11-020			

Parts indented are included in the part under which they are indented.

△ Not illustrated.

† Kits of normal wearing parts see copy above.

● Not used on classes 11-205, 11-211 or contactors classes 15-815 and 15-825.

◇ When ordering a new crossbar for type N Life-Linestarter purchased in 1953 or previous, a new arc box must also be ordered to accommodate the new strengthened crossbar specified above.

▲ Use double quantities for reversing devices except only two overload relays are used and they also use two normally closed interlocks.

operating coils

number of poles	style number of operating coil											
	220v-60c 208v-60c 115v-60c	110 volt 60 cycle	220v-60c 208v-60c 110v-25c	440v-60c 380v-50c 220v-25c	550 volt 60 cycle	600 volt 60 cycle	110 volt 50 cycle	220 volt 50 cycle	440 volt 50 cycle	550 volt 50 cycle	440 volt 25 cycle	550 volt 25 cycle
two, three four	1605 513 □	1470 241 1470 261	1470 242 1470 262	1470 243 1470 263	1470 244 1470 264	1470 245 1470 265	1470 246 1470 266	1470 247 1470 267	1470 248 1470 268	1470 249 1470 269	1470 250 1470 270	1470 251 1470 271

□ dual voltage coil