

1352 Series C AND C+, C+ Rev 1 575V 140 - 870 KVA Parts List



Revised 1/22/99

140 KVA LINE SUPPLY UNIT (LSU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
S2	122811	Disconnect 250 Amp/600 Volt	Westinghouse HMCP250X5W
F1-F3	124878	Fuse 200 Amp/700 Volt	Gould A70P200
F4-F6	101719	Fuse 6.25 Amp/600 Volt	Bussmann FRS-R-6 1/4 OR Gould TRS64 1/4R
F7-F8	101718	Fuse 3.2 Amp/250 Volt	Bussman FRN-R-3-2/10
K1	122754	Relay	A-B 700-F220A6
T2	506735	Transformer	Stromberg 57438053
T3	506736	Transformer	Stromberg 57438011
K2	117222	Relay	A-B 700-F220A1
TR1	117220	Timer	A-B 196-FTA
TR1	117221	Timer Relay	A-B 700-F400A1
K3	117137	Contactactor 12A	A-B 100-A12ND3
K4	118322	Contactactor 110A	A-B 100-B110ND3
M1	503210	Fan	Stromberg 09857907 OR Rotron TN3A3
R1.1-R1.2	100203	Resistor 10 Ohm 100W	Memcor FR100 OR Ohmite 270L100J10R
V1-V6	104721	Rectifier Diode	GE A433LA/A540LA OR Westcode SW21CXC805
V7	104724	Diode 1200V	Semikron SKRIM40/12 OR Westcode SM12PCN074
R3	118326	Resistor 2.2 Ohm 100W	Milwaukee Resistor 12-104-2.2NON
C5	505371	Capacitor 3.6uF/660 Volt	Stromberg 09833447
R4	100209	Resistor 100 Ohm 100W	Memcor FR100 OR Ohmite 270L140J100
L1	506738	Choke, 844uH	Stromberg 57427884
C1.1-C1.4 C2.1-C2.4 C3.1-C3.4	502743	Capacitors 3300uF/350V	Sprague
R5-R7	118325	Resistor 1.8K Ohm 100W	Milwaukee Resistor 12-104-1800
S1	104743	Temperature Sensor	Stromberg 35044582
1S	103932	E-Stop Pushbutton	A-B 800T-FX6D4
1S Block	111814	E-Stop Contact Block	A-B 800T-XD2R
D1	119909	MOV Surge Suppressor 130J/575V	Fuji CS9108A3 OR MTR 119909
S2 Handle	503409	On/Off Handle and Operator Mechanism	A-B 40116-446-01

* Alternate Part Numbers, Check Drive Enclosure, Alternate Part Numbers Are Not Interchangeable

1352 Series C AND C+, C+ Rev 1 575V 140 - 870 KVA Parts List



Revised 1/22/99

BULLETIN 1352 SERIES C AND C+ 140 KVA INVERTER (INU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
A1	503183	Input Output Card SAFT 163 IOC (Series C)	Stromberg 58096067
A1	143677	Input Output Card SAFT 188 IOC (Series C+)	Stromberg 58125067
A2	502979#	Control Card SAFT 103 CON (Series C)	Stromberg 57777290
A2	507725#	Control Card SAFT 103 CON (Series C)	Stromberg 57777290
A2	143678	Control Card SAFT 187 CON (Series C+)	Stromberg 58122203
A2.1	502808	Matching Card SAFT140F575	Stromberg 57443359
A3	503341	Power Supply SAFT 112 POW	Stromberg 57411431
A4-A6	501571	Pulse Amplifier SAFT 120PAC	Stromberg 57411490
A7	504082	Chopper Control Card SAFT 127CHC	Stromberg 57411562
A8	501577	Snubber Card SAFT 133CHS	Stromberg 57437464
A9	503339*	Aux. Power Supply SAFT 166APC	Stromberg 58096652
A9	507657*	Aux. Power Supply SAFT 190APC (Series C+ Rev. 1 only)	Stromberg 58130435
A14	503182	Terminal Block SAFT 174 TBC	Stromberg 58101346
CP-1	507618	CP1 Panel	N/A
M1	503211	Fan, 7.5J	Stromberg 10001277
F11	504485	Circuit Breaker	Stromberg 35011102
S1	503459	Temperature Sensor	Stromberg 35046852
T1	504483	Transformer	Stromberg 57415207
L1	506738	Inductor, 8.4uH	Stromberg 57427884
L2	506739	Inductor, 275uH	Stromberg 57427906
C1-C3	503552	Capacitor, 2uF	Stromberg 09834826
C7	503547	Capacitor, 20uF	Stromberg 35066411
C9.1-C9.4	503495	Capacitor, 4.7MF	Phillips 22211513472 Stromberg 09834699
R1.1-R1.3	N/A	Resistor, 12 Ohm 100W	Stromberg 09827790
R2	N/A	Resistor, .47 Ohm 100W	Stromberg 09827501
R3	N/A	Resistor, 1.0 Ohm 100W	Stromberg 09827510
R4.1-R4.3	N/A	Resistor, 5.6K Ohm 100W	Stromberg 09827951
V1-V6	503758	Diode, Freewheeling 1800V	Westcode SM18CXC176 Stromberg 09805559
V11-V16	144447	GTO, Main	Allen-Bradley only
V17	144447	GTO, Chopper	Allen-Bradley only
V21-V23, V30	503463	Diodes, Snubber 1700V	Semikron SKN60F17
V27	104722	Diode, Freewheeling 1300V	GE A397PCX51 Westcode SM13CXC174
V24-V26, V28, V29	503462	Diodes, Snubber 1700V	Semikron SKR60F17
	104832	Force Measuring Indicator SLZF (33)	Stromberg 57269324
U1, U2, U3	501591	Hall Effect Transducers SAFW1000	Stromberg 57407697
INU-F	504315	Common Bus Fuse (2) 225A 700V	Bussmann SPP-4F225
INU-F	122753	DC Bus Fuse, 1000V 200A	Bussmann SPJ-5B200

*** Alternate Part Numbers, Check Drive Enclosure, Alternate Part Numbers Are Not Interchangeable
Part #502979 has been obsoleted, to reorder use #154377 upgrade kit**

1352 Series C AND C+, C+ Rev 1 575V 140 - 870 KVA Parts List



Revised 1/22/99

BULLETIN 1352 SERIES C AND C+ 210 KVA LINE SUPPLY UNIT (LSU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
S2	122811	Disconnect 250 Amp/600 Volt	Westinghouse HMCP250X5W
F1-F3	125735	Fuse 275 Amp/700 Volt	Bussman SPP-4K275
F4-F6	101712	Fuse 8 Amp/600 Volt	Bussmann FRS-R-8 OR Gould TRS8R
F7-F8	101718	Fuse 3.2 Amp/250 Volt	Bussman FRN-R-3-2/10
K1	122754	Relay	A-B 700-F220A6
T2	503400	Transformer	Olsen Electronics
R1.1-R1.2	N/A	Resistors 10 Ohm 300W	Stromberg 10004047
K2/K5/TR1	117222	Relay	A-B 700-F220A1
TR1	117220	Timer	A-B 196-FTA
TR1	117221	Timer Relay	A-B 700-F400A1
K3	117137	Contactactor 12A	A-B 100-A12ND3
K4	120485	Contactactor 180A	A-B 100-B180ND3
K6A	101215	Relay	A-B 700-HC24A1
K6	504098	Relay	Midtex 611-12COA1 OR Potter KUA-5G11-24
1D1	101934	Door Switch	Microswitch 1AC2
1S	103932	E-Stop Pushbutton	A-B 800T-FX6D4
1S Block	111814	E-Stop Contact Block	A-B 800T-XD2R
D1	119909	MOV Surge Suppressor 130J/575V	Fuji CS9108A3 OR MTR 119909
S2 Handle	503409	On/Off Handle and Operator Mechanism	A-B 40116-446-01

BULLETIN 1352 SERIES C AND C+ 210KVA LINE RECTIFIER UNIT (LRU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
M1	503210	Fan	Stromberg 09857907 OR Rotron TN3A3
S1	104743	Temperature Sensor	Stromberg 35044582
R1.1-R1.4	100203	Resistor 10 Ohm 100W	Memcor FR100 OR Ohmite 270L100J10R
V51-V56	104721	Rectifier Diode	GE A433LA/A540LA OR Westcode SW21CXC805
V57	104724	Diode 1200V	Semikron SKRIM40/12 OR Westcode SM12PCN074
R55	118326	Resistor 2.2 Ohm 100W	Milwaukee Resistor 12-104-2.2NON
C55	505371	Capacitor 3.6uF/660 Volt	Stromberg 09833447
R56	100209	Resistor 100 Ohm 100W	Memcor FR100 OR Ohmite 270L140J100
L51	504497	Choke, 110uH	Stromberg 57433124
C51.1-C51.6 C52.1-C52.6 C53.1-C53.6 C54.1-C54.6	502743	Capacitors 3300uF/350V	Sprague
A51	501576	SAFT 132CBS	Stromberg 57411619
S51-S52	503459	Temperature Sensor	Stromberg 35046852
F51	504489	Circuit Breaker 5A	Stromberg 35044931
R51-R54	118325	Resistor 1.8K Ohm 100W	Milwaukee Resistor 12-104-1800

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Revised 1/22/99

BULLETIN 1352 SERIES C AND C+ 210 KVA INVERTER (INU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
A1	503183	Input Output Card SAFT 163 IOC (Series C)	Stromberg 58096067
A1	143677	Input Output Card SAFT 188 IOC (Series C+)	Stromberg 58125067
A2	502979#	Control Card SAFT 103 CON (Series C)	Stromberg 57777290
A2	507725#	Control Card SAFT 103 CON (Series C)	Stromberg 57777290
A2	143678	Control Card SAFT 187 CON (Series C+)	Stromberg 58122203
A2.1	503335	Matching Card SAFT 210F575	Stromberg 57443367
A3	503341	Power Supply SAFT 112 POW	Stromberg 57411431
A4-A6	501571	Pulse Amplifier SAFT 120PAC	Stromberg 57411490
A7	504082	Chopper Control Card SAFT 127CHC	Stromberg 57411562
A8	501577	Snubber Card SAFT 133CHS	Stromberg 57437464
A9	503339*	Aux. Power Supply SAFT 166APC	Stromberg 58096652
A9	507657*	Aux. Power Supply SAFT 190APC (Series C+ Rev. 1 only)	Stromberg 58130435
A14	503182	Terminal Block SAFT 174 TBC	Stromberg 58101346
CP-1	507618	CP1 Panel	N/A
M1	503211	Fan, 7.5J	Stromberg 10001277
F11	504485	Circuit Breaker	Stromberg 35011102
S1	503459	Temperature Sensor	Stromberg 35046852
T1	504483	Transformer	Stromberg 57415207
L1	506738	Inductor, 8.4uH	Stromberg 57427884
L2	506739	Inductor, 275uH	Stromberg 57427906
C1-C3	503552	Capacitor, 2uF	Stromberg 09834826
C7	503547	Capacitor, 20uF	Stromberg 35066411
C9.1-C9.4	503495	Capacitor, 4.7MF	Phillips 22211513472 Stromberg 09834699
R1.1-R1.3	N/A	Resistor, 12 Ohm 100W	Stromberg 09827790
R2	N/A	Resistor, .47 Ohm 100W	Stromberg 09827501
R3	N/A	Resistor, 1.0 Ohm 100W	Stromberg 09827510
R4.1-R4.3	N/A	Resistor, 5.6K Ohm 100W	Stromberg 09827951
V1-V6	503758	Diode, Freewheeling 1800V	Westcode SM18CXC176 Stromberg 09805559
V11-V16	144448	GTO, Main	Allen-Bradley only
V17	144447	GTO, Chopper	Allen-Bradley only
V21-V23, V30	503463	Diodes, Snubber 1700V	Semikron SKN60F17
V27	104722	Diode, Freewheeling 1300V	GE A397PCX51 Westcode SM13CXC174
V24-V26, V28, V29	503462	Diodes, Snubber 1700V	Semikron SKR60F17
	104832	Force Measuring Indicator SLZF (33)	Stromberg 57269324
U1, U2, U3	501591	Hall Effect Transducers SAFW1000	Stromberg 57407697
INU-F	128006	Common Bus Fuse (2) 350A 700V	Bussmann SPP-6B350
INU-F	125736	DC Bus Fuse, 1000V 350A	Bussmann SPJ-7B350

* Alternate Part Numbers, Check Drive Enclosure, Alternate Part Numbers Are Not Interchangeable
Part #502979 has been obsoleted, to reorder use #154377 upgrade kit

1352 Series C AND C+, C+ Rev 1 575V 140 - 870 KVA Parts List



Revised 1/22/99

BULLETIN 1352 SERIES C AND C+ 340KVA CONTACTOR UNIT (CTU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
S2	125049	Disconnect 400 Amp/600 Volt	Westinghouse HMCP400X5W
F1-F3	118049	Fuse 400 Amp/700 Volt	Bussman SPP-6K400
F4-F6	101721	Fuse 10 Amp/600 Volt	Bussmann FRS-R-10 OR Gould TRS-10-R
F7	101720	Fuse 6.25 Amp/250 Volt	Bussman FRN-R-6-1/4 OR Gould TR6-1/4-R
F8	101690	Fuse 10 Amp/250 Volt	Bussman FRN-R-10
K1	122754	Relay	A-B 700-F200A6
T2	503400	Transformer	Olsen Electronics
K2/K5/TR1	117222	Relay	A-B 700-F220A1
TR1	117220	Timer	A-B 196-FTA
K3	117137	Contactor 12A	A-B 100-A12ND3
K4	122487	Contactor 250A	A-B 100-B250ND3
K6A	101215	Relay	A-B 700-HC24A1
K6	504098	Relay	Midtex 611-12COA1 OR Potter KUA-5G11-24
R1.1-R1.2	N/A	Resistor 6.3 Ohm 300W	Stromberg 10004039
1D1/2D1	101934	Door Switch	Microswitch 1AC2
1S	103932	E-Stop Pushbutton	A-B 800T-FX6D4
1S Block	111814	E-Stop Contact Block	A-B 800T-XD2R
D1	119909	MOV Surge Suppressor 130J/575V	Fuji CS9108A3 OR MTR 119909
S2 Handle	503408	On/Off Handle and Operator Mechanism	A-B 40116-446-02

BULLETIN 1352 SERIES C AND C+ 340KVA LINE CONVERTER UNIT (LCU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
M51	503211	Fan 7.5J	Stromberg 09857931
V51-V56	104721	Rectifier Diodes	GE A433LA/A540A OR Westcode SW21CXC805
V57	104724	Diode	Semikron SKRIM40/12 OR Westcode SM12PCN074
R51	118326	Resistor 2.2 Ohm 100W	Milwaukee Resistor 12-104-2.2NON
C51	505371	Capacitor 3.6uF/660V	Stromberg 09833447
R52	100209	Resistor 100 Ohm 100W	Memcor FR100 OR Ohmite 2701140J100
L51	504500	Choke, 70uH	Stromberg 57421355
S51-S52	503459	Temperature Sensor	Stromberg 35046852
F51	504489	Circuit Breaker 5A	Stromberg 35044931

**1352 Series C AND C+, C+ Rev 1
575V 140 - 870 KVA Parts List**



Revised 1/22/99

**BULLETIN 1352C+
340KVA CAPACITOR BANK UNIT (CBU)**

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
S1	503459	Temperature Sensor	Stromberg 35046852
M1-M2	503210	Fan	Stromberg 09857907 OR Rotron TN3A3
R1.1-R1.2 R2.1-R2.2 R3.1-R3.2 R4.1-R4.2	118325	Resistors 910 Ohm 165 Watt	Stromberg 09820485
C1.1-C1.9 C2.1-C2.9 C3.1-C3.9 C4.1-C4.9	502743	Bus Capacitor 3300uF/350V	Stromberg 09834613
F1.1-F1.9 F2.1-F2.9 F3.1-F3.9 F4.1-F4.9	507491	Fuse, Bus Capacitor 50A/550 Volt	Bussman BA050 Hawker Fuse BAO 050
A51	501576	SAFT 132CBS CBU Monitor Card	Stromberg 57411619

1352 Series C AND C+, C+ Rev 1 575V 140 - 870 KVA Parts List



Revised 1/22/99

BULLETIN 1352 SERIES C AND C+ 340 KVA INVERTER (INU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
A1	503183	Input Output Card SAFT 163 IOC (Series C)	Stromberg 58096067
A1	143677	Input Output Card SAFT 188 IOC (Series C+)	Stromberg 58125067
A2	502979#	Control Card SAFT 103 CON (Series C)	Stromberg 57777290
A2	507725#	Control Card SAFT 103 CON (Series C)	Stromberg 57777290
A2	143678	Control Card SAFT 187 CON (Series C+)	Stromberg 58122203
A2.1	503336	Matching Card SAFT 340F575	Stromberg 57443375
A3	503341	Power Supply SAFT 112 POW	Stromberg 57411431
A4-A6	501572	Pulse Amplifier SAFT 121PAC	Stromberg 57411503
A7	504082	Chopper Control Card SAFT 127CHC	Stromberg 57411562
A8	501577	Snubber Card SAFT 133CHS	Stromberg 57437464
A9	503339*	Aux. Power Supply SAFT 166APC	Stromberg 58096652
A9	507657*	Aux. Power Supply SAFT 190APC (Series C+ Rev. 1 only)	Stromberg 58130435
A14	503182	Terminal Block SAFT 174 TBC	Stromberg 58101346
CP-1	507618	CP1 Panel	N/A
M1	503212*	Fan, 9.5J	Stromberg 09857940
M1	505986*	Fan 7.5Kg	Stromberg 09858164
F11	504486	Circuit Breaker	Stromberg 35011111
S1	503459	Temperature Sensor	Stromberg 35046852
T1	504483	Transformer	Stromberg 57415207
L1	506740	Inductor, 5.3uH	Stromberg 57428261
L2	506739	Inductor, 275uH	Stromberg 57427906
C1-C3	N/A	Capacitor, 3uF	Stromberg 09834834
C7.1 - C7.2	503547	Capacitor, 20uF	Stromberg 35066411
C9.1-C9.6	503495	Capacitor, 4.7MF	Phillips 22211513472 Stromberg 09834699
R1.1-R1.3	N/A	Resistor, 12 Ohm 100W	Stromberg 09827790
R2.1-R2.2, R3	N/A	Resistor, 1.0 Ohm 100W	Stromberg 09827510
R4.1-R4.3	N/A	Resistor, 5.6K Ohm 100W	Stromberg 09827951
V1-V6	501654	Diode, Freewheeling 1600V	Westcode SM16CXC190VR Stromberg 09916512
V11-V16	144449	GTO, Main	Allen-Bradley only
V17	144447	GTO, Chopper	Allen-Bradley only
V21-V23, V30	503463	Diodes, Snubber 1700V	Semikron SKN60F17
V27	104722	Diode, Freewheeling 1300V	GE A397PCX51 Westcode SM13CXC174
V24-V26, V28, V29	503462	Diodes, Snubber 1700V	Semikron SKR60F17
	104832	Force Measuring Indicator SLZF (33)	Stromberg 57269324
U1, U2, U3	501591	Hall Effect Transducers SAFW1000	Stromberg 57407697
INU-F	127539	Common Bus Fuse (2) 500A 700V	Bussmann SPP-6B500
INU-F	124913	DC Bus Fuse, 1000V 500A	Bussmann SPJ-6B500

* Alternate Part Numbers, Check Drive Enclosure, Alternate Part Numbers Are Not Interchangeable
Part #502979 has been obsoleted, to reorder use #154377 upgrade kit

1352 Series C AND C+, C+ Rev 1 575V 140 - 870 KVA Parts List



Revised 1/22/99

BULLETIN 1352 SERIES C AND C+ 540KVA CONTACTOR UNIT (CTU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
S2	130755	Disconnect 1200 Amp/600 Volt	Westinghouse NC31200WK
F1-F3	502318	Fuse 700 Amp/700 Volt	Bussman SPP-7K700
F4-F6	101721	Fuse 10 Amp/600 Volt	Bussmann FRS-R-10 OR Gould TRS-10-R
F7-F8	101723	Fuse 15 Amp/250 Volt	Bussman FRN-R-15
K1	122754	Relay	A-B 700-F200A6
T2	504534	Transformer	Olsen Electronics
K2/K5/TR1	117222	Relay	A-B 700-F220A1
TR1	117220	Timer	A-B 196-FTA
K3	118323	Contactor 38A	A-B 100-A38ND3
K4	503241	Contactor 810A	Stromberg OKYM7W22
K4 coil	505877	Coil 120V	Stromberg YZBX6392/120V
K6A	101215	Relay	A-B 700-HC24A1
K6	504098	Relay	Midtex 611-12COA1 OR Potter KUA-5G11-24
R1.1-R1.2	N/A	Resistor 10 Ohm 300W	Stromberg 10004047
1D1/2D1	101934	Door Switch	Microswitch 1AC2
1S	103932	E-Stop Pushbutton	A-B 800T-FX6D4
1S Block	111814	E-Stop Contact Block	A-B 800T-XD2R
D1	119909	MOV Surge Suppressor 130J/575V	Fuji CS9108A3 OR MTR 119909
S2 Handle	200368	On/Off Handle and Operator Mechanism	A-B 40116-440-01

BULLETIN 1352 SERIES C AND C+ 540KVA LINE CONVERTER UNIT (LCU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
M51	503211	Fan 7.5J	Stromberg 09857931
V51-V56	104721	Rectifier Diodes	GE A433LA/A540A OR Westcode SW21CXC805
V57	104724	Diode	Semikron SKRIM40/12 OR Westcode SM12PCN074
R51	118326	Resistor 2.2 Ohm 100W	Milwaukee Resistor 12-104-2.2NON
C51	104799	Capacitor 10uF/660V	Stromberg 09833412
R52	100209	Resistor 100 Ohm 100W	Memcor FR100 OR Ohmite 2701140J100
L51	505840	Choke, 45uH	Stromberg 57423439
S51	503459	Temperature Sensor	Stromberg 35046852
F51	504489	Circuit Breaker 5A	Stromberg 35079777

**1352 Series C AND C+, C+ Rev 1
575V 140 - 870 KVA Parts List**



Revised 1/22/99

**BULLETIN 1352 SERIES C AND C+
540KVA CAPACITOR BANK UNIT (CBU)**

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
S1	503459	Temperature Sensor	Stromberg 35046852
M1-M2	503210	Fan	Stromberg 09857907 OR Rotron TN3A3
R1.1-R1.2 R2.1-R2.2 R3.1-R3.2 R4.1-R4.2	118325	Resistors 910 Ohm 165 Watt	Stromberg 09820485
C1.1-C1.9 C2.1-C2.9 C3.1-C3.9 C4.1-C4.9	502743	Bus Capacitor 3300uF/350V	Stromberg 09834613
F1.1-F1.9 F2.1-F2.9 F3.1-F3.9 F4.1-F4.9	507491	Fuse, Bus Capacitor 50A/550 Volt	Bussman BA050 Hawker Fuse BAO 050
A51	501576	SAFT 132CBS CBU Monitor Card	Stromberg 57411619

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Revised 1/22/99

BULLETIN 1352 SERIES C AND C+ 540KVA INVERTER UNIT (INU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
A1	503183	Input Output Card SAFT 163 IOC (Series C)	Stromberg 58096067
A1	143677	Input Output Card SAFT 188 IOC (Series C+)	Stromberg 58125067
A2	502979 #	Control Card SAFT 103 CON (Series C)	Stromberg 57777290
A2	507725 #	Control Card SAFT 103 CON (Series C)	Stromberg 57777290
A2	143678	Control Card SAFT 187 CON (Series C+)	Stromberg 58122203
A2.1	503337	Matching Card SAFT540F575	Stromberg 57443383
A3	503341	Power Supply SAFT 112 POW	Stromberg 57411431
A4-A6	172224 *	SNAT 632 PAC Pulse Amplifier Card	Stromberg 6104 9428 B
A7	504082	Chopper Control Card SAFT 127CHC	Stromberg 57411562
A8	501581	Snubber Card SAFT 139CHS	Stromberg 57420154
A9	503339 **	Aux. Power Supply SAFT 166APC	Stromberg 58096652
A9	507657 **	Aux. Power Supply SAFT 190APC (Series C+ Rev. 1 only)	Stromberg 58130435
A14	503182	Terminal Block SAFT 174 TBC	Stromberg 58101346
CP-1	507618	CP1 Panel	N/A
M1	503213	Fan, 9.5Kg	Stromberg 09858181
F11	504487	Circuit Breaker	Stromberg 35011137
S1	503459	Temperature Sensor	Stromberg 35046852
T1	504483	Transformer	Stromberg 57415207
L1	506741	Inductor, 3.3uH	Stromberg 57420383
L2	504496	Inductor, 158uH	Stromberg 57420537
C1.1-C3.2	503552	Capacitor, 2uF	Stromberg 09834826
C7.1-C7.2	503547	Capacitor, 20uF	Stromberg 35066411
C9.1-C9.9	503495	Capacitor, 4.7MF	Phillips 22211513472 or Stromberg 09834699
R1.1-R1.3	N/A	Resistor, 12 Ohm 100W	Stromberg 09827790
R2.1-R2.4	N/A	Resistor, 1.0 Ohm 100W	Stromberg 09827510
R3.1-R3.3	118326	Resistor, 3.3 Ohm 100W	Stromberg 09827528
R4.1-R4.6	N/A	Resistor, 5.6K Ohm 100W	Stromberg 09827951
V1-V6	104719	Diode, Freewheeling 1800V	Westcode SM18CXC805TU Stromberg 09805800
V11-V16	144450	GTO, Main	Allen-Bradley only
V17	144448	GTO, Chopper	Allen-Bradley only
V21-V23	505853	Diodes, Snubber 1700V	Semikron SKN141F17, Stromberg 10000165
V24-V26, V28	505855	Diodes, Snubber 1700V	Semikron SKR141F17, Stromberg 10000157
V27	104722	Diode, Freewheeling 1300V	GE A397PCX51, Westcode SM13CXC174
V29	503462	Diodes, Snubber 1700V	Semikron SKR60F17
V30	503463	Diodes, Snubber 1700V	Semikron SKN60F17
	104832	Force Measuring Indicator SLZF (33)	Stromberg 57269324
U1, U2, U3	501592	Hall Effect Transducers SAFW2500	Stromberg 57408502
INU-F1,F2	123632	Common Bus Fuse (4) 450A 700V	Bussmann SPP-6B450
INU-F1, F2	122825	DC Bus Fuse, 1000V 450A	Bussmann SPJ-6B450

* Alternate part number: 501573

**Alternate Part Numbers, Check Drive Enclosure, Alternate Part Numbers Are Not Interchangeable

Part #502979 has been obsoleted, to reorder use #154377 upgrade kit

1352 Series C AND C+, C+ Rev 1 575V 140 - 870 KVA Parts List



Revised 1/22/99

BULLETIN 1352 SERIES C AND C+ 870KVA CONTACTOR UNIT (CTU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
S2	130755	Disconnect 1200 Amp/600 Volt	Westinghouse NC31200WK
F1-F3	125320	Fuse 600 Amp/700 Volt	Bussman SPP-6K600
F4-F6	101697	Fuse 15 Amp/600 Volt	Bussmann FRS-R-15 OR Gould TRS-15-R
F7-F8	101723	Fuse 15 Amp/250 Volt	Bussman FRN-R-15
K1	122754	Relay	A-B 700-F200A6
T2	504534	Transformer	Olsen Electronics
K2/K5/TR1	117222	Relay	A-B 700-F220A1
TR1	117220	Timer	A-B 196-FTA
K3	118323	Contactactor 38A	A-B 100-A38ND3
K4	503241	Contactactor 810A	Stromberg OKYM7W22
K4 coil	505877	Coil 120V	Stromberg YZBX6392/120V
K6A	101215	Relay	A-B 700-HC24A1
K6	504098	Relay	Midtex 611-12COA1 OR Potter KUA-5G11-24
R1.1-R1.2	N/A	Resistor 10 Ohm 300W	Stromberg 10004047
1D1/2D1	101934	Door Switch	Microswitch 1AC2
1S	103932	E-Stop Pushbutton	A-B 800T-FX6D4
1S Block	111814	E-Stop Contact Block	A-B 800T-XD2R
D1	119909	MOV Surge Suppressor 130J/575V	Fuji CS9108A3 OR MTR 119909
S2 Handle	200368	On/Off Handle and Operator Mechanism	A-B 40116-440-01

BULLETIN 1352 SERIES C AND C+ 870KVA LINE CONVERTER UNIT (LCU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
M51	503211	Fan 7.5J	Stromberg 09857931
V51-V56	104721	Rectifier Diodes	GE A433LA/A540A OR Westcode SW21CXC805
V57	104724	Diode	Semikron SKRIM40/12 OR Westcode SM12PCN074
R51	118326	Resistor 2.2 Ohm 100W	Milwaukee Resistor 12-104-2.2NON
C51	104799	Capacitor 10uF/660V	Stromberg 09833412
R52	100209	Resistor 100 Ohm 100W	Memcor FR100 OR Ohmite 2701140J100
L51	505840	Choke, 45uH	Stromberg 57423439
S51	503459	Temperature Sensor	Stromberg 35046852
F51	504489	Circuit Breaker 5A	Stromberg 35079777

**1352 Series C AND C+, C+ Rev 1
575V 140 - 870 KVA Parts List**



Revised 1/22/99

**BULLETIN 1352 SERIES C AND C+
870KVA CAPACITOR BANK UNIT (CBU)**

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
S1	503459	Temperature Sensor	Stromberg 35046852
M1-M2	503210	Fan	Stromberg 09857907 OR Rotron TN3A3
R1.1-R1.2 R2.1-R2.2 R3.1-R3.2 R4.1-R4.2	118325	Resistors 910 Ohm 165 Watt	Stromberg 09820485
C1.1-C1.13 C2.1-C2.13 C3.1-C3.13 C4.1-C4.13	503461* 507747*	Bus Capacitor 4700uF/350V	Stromberg 09834621 Stromberg 09844678 OR Rifa PEH169UV447BQB6 OR Siemens B43570-54478-Q10
F1.1-F1.13 F2.1-F2.13 F3.1-F3.13 F4.1-F4.13	507491	Fuse, Bus Capacitor 50A/550 Volt	Bussman BA050 Hawker Fuse BAO 050
A51	501576	SAFT 132CBS CBU Monitor Card	Stromberg 57411619

***Alternate Part Numbers, Check Drive Enclosure, Alternate Part Numbers Are Not Interchangeable**

1352 Series C AND C+, C+ Rev 1 575V 140 - 870 KVA Parts List



Revised 1/22/99

BULLETIN 1352 SERIES C AND C+ 870KVA INVERTER UNIT (INU)

IDENTIFIER	PART NO.	DESCRIPTION	MANUFACTURER
A1	503183	Input Output Card SAFT 163 IOC (Series C)	Stromberg 58096067
A1	143677	Input Output Card SAFT 188 IOC (Series C+)	Stromberg 58125067
A2	502979#	Control Card SAFT 103 CON (Series C)	Stromberg 57777290
A2	507725#	Control Card SAFT 103 CON (Series C)	Stromberg 57777290
A2	143678	Control Card SAFT 187 CON (Series C+)	Stromberg 58122203
A2.1	503338	Matching Card SAFT870F575	Stromberg 57447494
A3	503342	Power Supply SAFT 113 POW	Stromberg 57411449
A4-A6	501574	Pulse Amplifier SAFT 123PAC	Stromberg 57411520
A7	504082	Chopper Control Card SAFT 127CHC	Stromberg 57411562
A9	503339*	Aux. Power Supply SAFT 166APC	Stromberg 58096652
A9	507657*	Aux. Power Supply SAFT 190APC (Series C+ Rev. 1 only)	Stromberg 58130435
A14	503182	Terminal Block SAFT 174 TBC	Stromberg 58101346
CP-1	507618	CP1 Panel	N/A
M1	503215*	Fan, 12J	Stromberg 09857885
M1	503213*	Fan, 9.5Kg	Stromberg 09858181
F11	504487	Circuit Breaker	Stromberg 35011137
S1	503459	Temperature Sensor	Stromberg 35046852
T1	504483	Transformer	Stromberg 57415207
L1	506742	Inductor, 2.1uH	Stromberg 57442450
L2	504499	Inductor, 115uH	Stromberg 57443677
C1.1-C3.2	N/A	Capacitor, 3uF	Stromberg 09834834
C7.1-C7.3	503547	Capacitor, 20uF	Stromberg 35066411
C8	503552	Capacitor, 2MF	Stromberg 09834826
C9.1-C9.11	503495	Capacitor, 4.7MF	Phillips 22211513472 or Stromberg 09834699
R1.1-R1.2	N/A	Resistor, 18 Ohm 100W	Stromberg 09827803
R2.1-R2.4	N/A	Resistor, 1.0 Ohm 100W	Stromberg 09827510
R3.1-R3.2	118326	Resistor, 2.2 Ohm 100W	Milwaukee Resistor 12-104-2.2NON
R4.1-R4.7	N/A	Resistor, 5.6K Ohm 100W	Stromberg 09827951
V1-V6	501653	Diode, Freewheeling 1700V	Westcode SM18CXC924/YP Stromberg 09805796
V11-V16	144451	GTO, Main	Allen-Bradley only
V17	144449	GTO, Chopper	Allen-Bradley only
V21-V23	505853	Diodes, Snubber 1700V	Semikron SKN141F17 or Stromberg 10000165
V24-V26, V28	505855	Diodes, Snubber 1700V	Semikron SKR141F17 or Stromberg 10000157
V27	501654	Diode, Freewheeling 1600V	Stromberg 09916512 Westcode SM16CXC190VR
V29	503462	Diodes, Snubber 1700V	Semikron SKR60F17
V30	503463	Diodes, Snubber 1700V	Semikron SKN60F17
	104832	Force Measuring Indicator SLZF (33)	Stromberg 57269324
	503483	Force Measuring Indicator SLZF (85)	Stromberg 57198028
U1, U2, U3	501592	Hall Effect Transducers SAFW2500	Stromberg 57408502
INU-F1,F2	123633	Common Bus Fuse (4) 700A 700V	Bussmann SPP-6B700
INU-F1, F2	124914	DC Bus Fuse, 1000V 700A	Bussmann SPJ-6B700

*Alternate Part Numbers, Check Drive Enclosure, Alternate Part Numbers Are Not Interchangeable
Part #502979 has been obsoleted, to reorder use #154377 upgrade kit