



Industrial
Solutions

RENEWAL PARTS CATALOG

ReliaGear™ LV MCC

Motor control center



The ReliaGear™ LV MCC motor control center is designed and manufactured to provide long and satisfactory service. This Renewal Parts Catalog contains items which, through normal use, may require periodic maintenance and replacement. Other items may never need service or replacement during the useful life of the equipment.

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Introduction

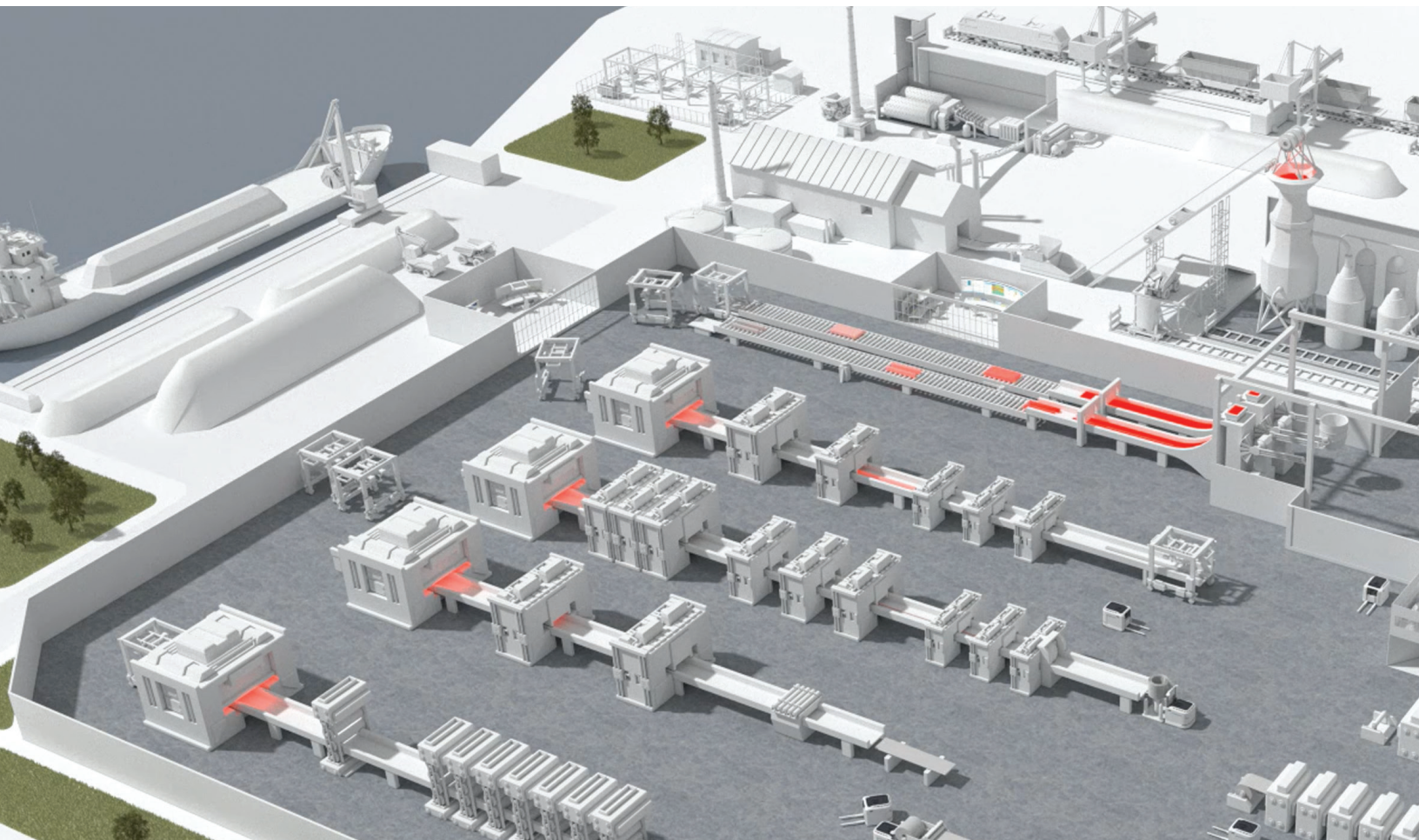
The ReliaGear™ LV MCC motor control center is designed and manufactured to provide long and satisfactory service.

This Renewal Parts Catalog contains items which, through normal use, may require periodic maintenance and replacement. Other items may never need service or replacement during the useful life of the equipment.

ABB believes that customers are in the best position to determine investment in renewal parts, taking into consideration the total amount of ReliaGear™ LV MCC motor control centers at facilities, proximity to ABB distributors, and the importance of minimizing equipment downtime.

For identifying and ordering replacement parts not included in this publication, refer to the Spares Recommendation and Parts List sections of the renewal parts quotation for the motor control center. If this is not available, identify the equipment as follows before contacting the local distributor or ABB sales office:

1. Equipment ReliaGear LV MCC motor control center.
2. Complete vertical section nameplate information (for structural and bus parts)
3. Complete plug-in unit nameplate information (for individual unit parts)



Ordering instructions

The ordering of renewal parts will be simplified by referencing the data provided on the ReliaGear LV MCC section nameplate and, if required, unit nameplate.

Section nameplate — (located on the front of each UL listed section, near the upper right-hand corner):

- ***CAT. NO.:** The ABB, Mebane, North Carolina, factory catalog number
- ***DIAGRAM NO.:** The outline summary sheet (often referred to as “record drawings”) for this section
- **AMPS-SUPPLY:** The main (i.e. horizontal) bus rating
- **AMPS-SECTION:** The vertical bus rating

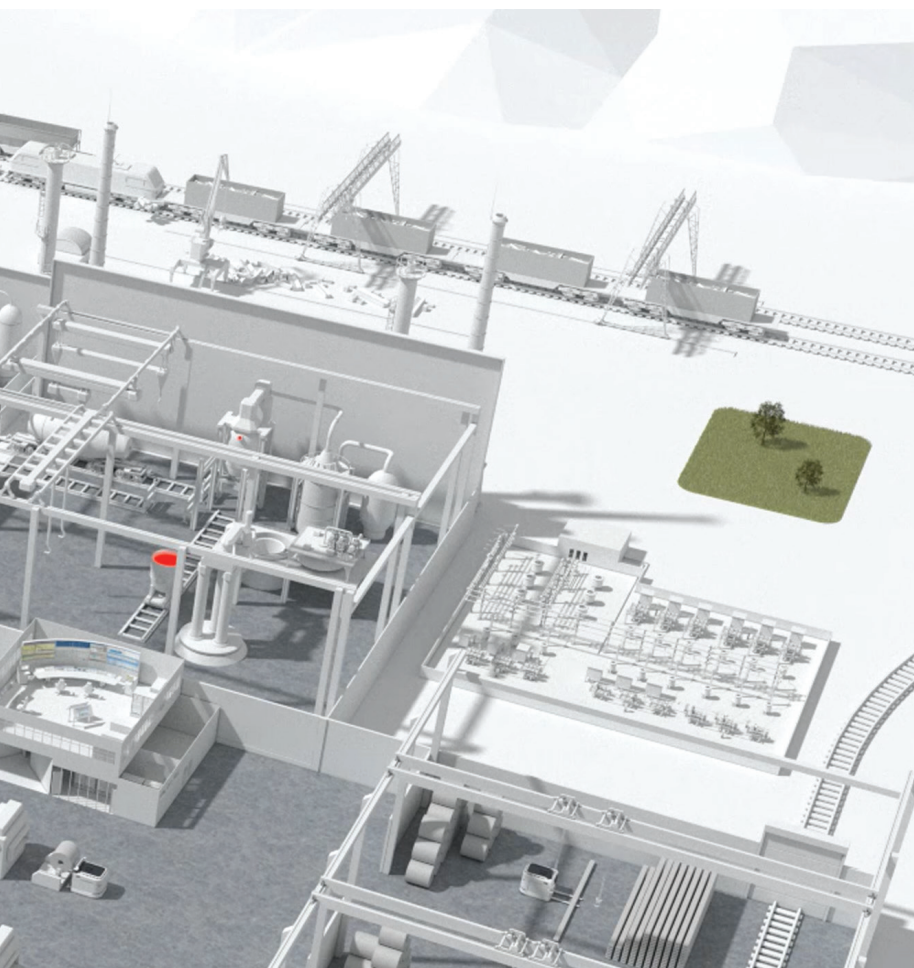
When ordering replacement parts not identified in this bulletin, both the “CAT. NO.” and “DIAGRAM NO.” must be referenced, accompanied by a complete description of the replacement part(s) desired.

Unit nameplate — plug-in units; located on the right-hand vertical side barrier; bolt-in units; located near the branch circuit overcurrent protective device):

- **MODEL:** Type of motor control center design
- **VOLTS TYPE:** Unit power supply voltage unit function (as listed on outline summary sheet)
- ***CONT. VOLTS:** Unit control voltage
- **UNIT NO.:** The factory catalog number. This identifies the section and unit location within that section
- **DIAGRAM:** The outline summary sheet and page number which contains the wiring elementary diagram for this unit
- **SIZE AMPS/HP:** The NEMA size rating of the starter. The ampere rating of the circuit breaker or fusible switch (for feeder unit), or horsepower rating (for combination starter units)

When ordering a complete replacement unit or replacement parts not identified in this bulletin, the MODEL, UNIT NO., and DIAGRAM must be referenced, accompanied by a complete description of the replacement part(s) desired.

* This information must be included in the order form.



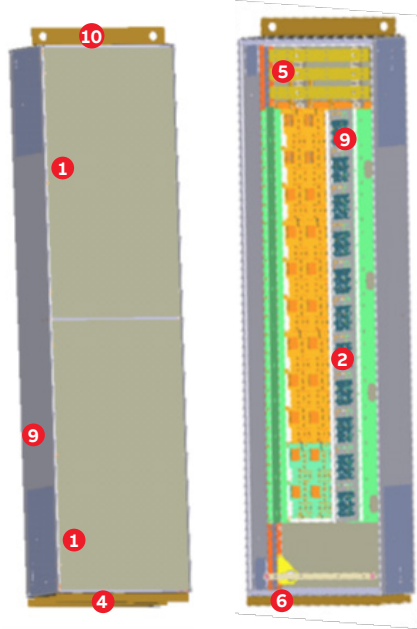
Structural parts

01 Rear cover

02 Side case assembly

03 Case sills

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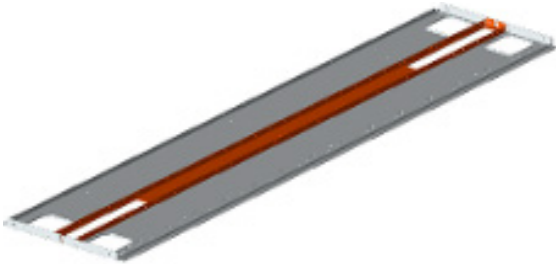


Item 1 - Rear Cover

	Product	Code
	33 x 20	190B1007P1
	33 x 24	190B1007P2
	33 x 30	190B1007P3
	33 x 36	190B1007P4
	39 x 20	190B1007P5
	39 x 24	190B1007P6
	39 x 30	190B1007P7
	39 x 36	190B1007P8
	45 x 20	190B1007P9
	45 x 24	190B1007P10
	45 x 30	190B1007P11
	45 x 36	190B1007P12
	24 x 20	190B1007P13
Screw, Steel T-Roll 10-24 x 3/4 (6)		
Real hinge door top only		110C1466G9
Rear hinge door bottom only		110C1466G21
Rear hinge mounting bracket (2 per section)		110C1464P1

Item 2 – Side Case Assembly

Side case assemblies are not available as spare parts. Since this component supports the main horizontal bus, contact ELDS Service Sales for service or replacement.



03 Case sills

04 Rodent barrier

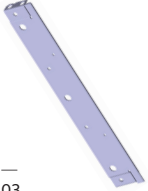
05 Front top cover plate

06 Floor plate

07 Mullions, wireway

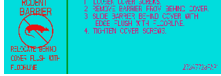
08 Mullions, wireway

Item 3 - Case Sills

	Product	Code
	Case Sill 20 In	190B1009P1
	Case Sill 34 In	190B1009P2
	Case Sill 30 In	190B1009P3
	Case Sill 36 In	190B1009P4
	Case Rear Sill 20 In	190B2752P1
	Case Rear Sill 24 In	190B2752P2
	Case Rear Sill 30 In	190B2752P3
	Case Rear Sill 36 In	190B2752P4

03

Item 4 – Rodent Barrier

	Product	Code
	Barrier, Rodent 13D 3IN	190B2177G1
	Barrier, Rodent 20D 3IN	190B2177G2
	Barrier, Rodent 22D 5IN	190B2177G3
	Barrier, Rodent 30D 3IN	190B2177G4
	Barrier, Rodent 13D 3IN	190B2177G1
	Screw, Steel T-Roll 1/4-20 X 3/8 (1)	

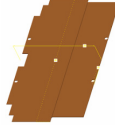
04

Item 5 – Front Top Cover Plate

	Product	Code
	20 x 8	190B1060P1
	24 x 8	190B1060P2
	30 x 8	190B1060P3
	36 x 8	190B1060P4
	20 x 18	190B1060P5
	24 x 18	190B1060P6
	30 x 18	190B1060P7
	36 x 18	190B1060P8
	Screw, Steel T-Roll 1/4-20 X 3/8 (8)	

05

Item 6 – Floor Plate

	Product	Code
	Front 20 x 20/30	110C1030P1
	Front 20 x 22	110C1030P2
	Front 24 x 20/30	110C1030P3
	Front 24 x 22	110C1030P4
	Front 20 x 25	110C1030P10
	Front 24 x 25	110C1030P11
	Rear 20 x 20	110C1060P1
	Rear 20 x 22	110C1060P2
	Rear 24 x 20	110C1060P4
	Rear 24 x 22	110C1060P5
	Rear 20 x 25	110C1060P1
	Rear 24 x 25	110C1060P4
6A		
		
	Screw, Steel T-Roll 1/4-20 X 5/8 (4)	

6B

Item 7 – Mullions, Wireway

	Product	Code
	4 IN Case Width 20 IN	190B1255P1
	9 IN Case Width 24 IN	190B1255P2
	15 IN Case Width 30 IN	190B1255P3

07

Item 8 – Full Width Mullions

	Product	Code
	Top 20W	190B1238P1
	Top 24W	190B1238P2
	Top 30W	190B1238P3
	Top 36W	190B1238P4

08

Item 9 – Side Door Cover

	Product	Code
	Cover, Side Enclosure 20/30 In 3-inch Vertical	110C1029G1
	Cover, Side Enclosure 22/30 In 5-inch Vertical	110C1029G2
	Cover, Side Enclosure 13-Inch 3-Inch Vertical	110C1029G3
	Cover, Side Enclosure 25-Inch BTB	110C1029G11
	Cover, Side Enclosure 30-Inch Bus Class 1.5 Sheetmetal	270A1988P1
	Cover, Side Enclosure 30-Inch Bus Class 1.5 Barrier	270A1987P1
	Screw, Steel T-Roll 1/4-20 X 1/2 (4)	

09

10 Lifting angle

11 Floor sill

12 Elevated rear roof cover

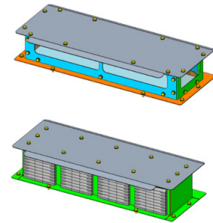
Item 10 – Lifting Angle

	Product	Code
	Angle, Lifting ASM 20	110C1044G1
	Angle, Lifting ASM 20 x 20	110C1044G2
	Angle, Lifting ASM 20 x 20 x 20	110C1044G5
	Includes Bolting Hardware	

Item 11 – Floor Sill

	Product	Code
	Floor Sill - 20"	110C1043G1
	Floor Sill - 20" - 20"	110C1043G2
	Floor Sill - 20" - 20" - 20"	110C1043G6

Item 12 – Elevated Rear Roof Cover

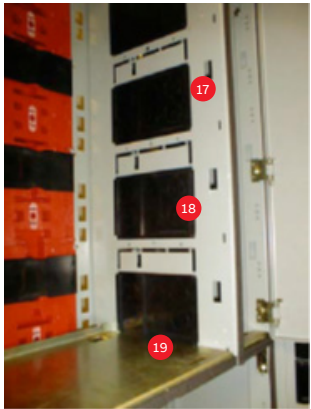
	Product	Code
	Elevated rear roof cover 20 IN	270A2108G1
	Elevated rear roof cover 24 IN	270A2108G2
	Elevated rear roof cover 30 IN	270A2108G3
	Elevated rear roof cover 36 IN	270A2108G4
	Elevated rear roof cover 20 IN T12	270A2259G1
	Elevated rear roof cover 24 IN T12	270A2259G2
	Elevated rear roof cover 30 IN T12	270A2259G3
	Elevated rear roof cover 36 IN T12	270A2259G4

Vertical and main bus parts

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14	Bottom Wireway Door	9
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16	Vertical Wireway Door Assembly	9

Item	Description	Page
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18	Ladder Assembly Cut Out	10
19	Shelf Assembly	10
20	Blank Unit Door Assembly (Figure 18)	10
21	Filler Kits (Not Shown)	11

Note regarding main horizontal bus: Main bus components are not available directly as spare parts. For main bus repair, please contact ABB Service Sales.



—
13
Top wireway door

—
14a
Door

—
14b
Vents

—
Item 13 – Top Wireway Door

	Product	Code
Standard Top Wireway Door		
	DOOR, ASSEMBLY, TOP WIRE WAY, 20 X 12	110C1440G1
	DOOR, ASSEMBLY, TOP WIRE WAY, 20 X 18	110C1440G2
	DOOR, ASSEMBLY, TOP WIRE WAY, 24 X 12	110C1440G6
	DOOR, ASSEMBLY, TOP WIRE WAY, 24 X 18	110C1440G7
	DOOR, ASSEMBLY, TOP WIRE WAY, 30 X 12	110C1440G14
	DOOR, ASSEMBLY, TOP WIRE WAY, 30 X 18	110C1440G15
	Elevated rear roof cover 30 IN T12	270A2259G3
	Elevated rear roof cover 36 IN T12	270A2259G4
Type 12 Vented Wireway Doors		
	DOOR, TOP WW, 20X12, T12, RITTAL FILTERS	270A2180G1WC
	DOOR, TOP WW, 24X12, T12, RITTAL FILTERS	270A2180G2WC
	DOOR, TOP WW, 30X12, T12, RITTAL FILTERS	270A2180G3WC
	DOOR, TOP WW, 36X12, T12, RITTAL FILTERS	270A2180G4WC
	DOOR, TOP WW, 20X12, Ventilated	270A2178G1
	DOOR, TOP WW, 24X12, Ventilated	270A2178G2
	DOOR, TOP WW, 30X12, Ventilated	270A2178G3
	DOOR, TOP WW, 36X12, Ventilated	270A2178G4
Includes Door Hinges, Latch Assembly, Case Side Hinges, Door Pin, and Split Pin		

—
Item 14 – Bottom Wireway Door

	Product	Code
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 20 X 12	110C1450G1
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 20 X 18	110C1450G2
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 24 X 12	110C1450G6
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 24 X 18	110C1450G7
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 20 X 6	110C1450G11
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 24 X 6	110C1450G12
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 30 X 12	110C1450G16
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 30 X 6	110C1450G54
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 30 X 18	110C1450G59
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 20 X 12, VENT	110C1450G97
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 24 X 12 VENT	110C1450G98
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 30 X 12 VENT	110C1450G99
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 36 X 12 VENT	110C1450G100
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 20 X 6 VENT	110C1450G140
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 24 X 6 VENT	110C1450G141
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 30 X 6 VENT	110C1450G142
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 20 X 12, T12 RITTAL FILTERS	270A2186G1WC
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 24 X 12 T12 RITTAL FILTERS	270A2186G2WC
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 30 X 12 T12 RITTAL FILTERS	270A2186G3WC
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 36 X 12 T12 RITTAL FILTERS	270A2186G4WC
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 20 X 6 T12 RITTAL FILTERS	270A2186G5WC
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 24 X 6 T12 RITTAL FILTERS	270A2186G6WC
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 30 X 6 T12 RITTAL FILTERS	270A2186G7WC
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 20 X 12	110C1450G1
	DOOR, ASSEMBLY, BOTTOM WIREWAY, 20 X 18	110C1450G2
Includes Door Hinges, Latch Assembly, Case Side Hinges, Door Pin, and Split Pin		

15a
Stab opening cover

15b
Bottom vertical
bus barrier

15c
Vertical bus shutter

16
Vertical Wireway
Door Assembly

17
Ladder assembly

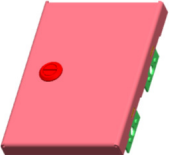
18
Wireway knockout plate

19
Shelf assembly

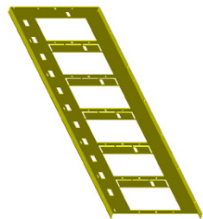
Item 15 – Vertical Bus Accessories

	Product	Code
	Stab Opening Cover	190B1215P1
	Bottom Vertical Bus Barrier	190B1549G1
	Vertical Bus Shutter ASM At Top	110C1783G1
	Vertical Bus Shutter ASM At Middle	110C1783G2
	Vertical Bus Shutter ASM At Bottom	110C1783G3
	Standard shelf	110C1059P1
	Shelf grounding bracket	270A1343G1
	Shelf support – 72" high	110C1010G11
	Gasket, UL 50E, 0.19T X 0.50W, 50 Foot Roll	270A2626P2

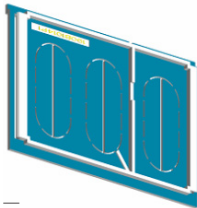
Item 16 – Vertical Wireway Door Assembly

	Product	Code
20" Wide Section		
	5W 6H	110C1163G1
	5W 12H	110C1163G2
	5W 18H	110C1163G3
	5W 24H	110C1163G4
	5W 30H	110C1163G5
	5W 36H	110C1163G6
	5W 42H	110C1163G7
	5W 48H	110C1163G8
	5W 54H	110C1163G9
	5W 60H	110C1163G10
	5W 66H	110C1163G11
	5W 72H	110C1163G12
24" Wide Section		
	9W 6H	110C1163G13
	9W 12H	110C1163G14
	9W 18H	110C1163G15
	9W 24H	110C1163G16
	9W 30H	110C1163G17
	9W 36H	110C1163G18
	9W 42H	110C1163G19
	9W 48H	110C1163G20
	9W 54H	110C1163G21
	9W 60H	110C1163G22
	9W 66H	110C1163G23
	9W 72H	110C1163G24

Item 17 – Ladder Assembly

	Product	Code
	36 IN	110C1010P1
	30 IN	110C1010P2
	24 IN	110C1010P3
	18 IN	110C1010P4
	12 IN	110C1010P5
	42 IN	110C1010P6
	48 IN	110C1010P7
	54 IN	110C1010P8
	60 IN	110C1010P9
	66 IN	110C1010P10
	72 IN	110C1010P11
	6 IN	110C1010P12

Item 18 – Wireway Knockout Plate

	Product	Code
	Wireway knockout plate	190B1014P1
	1 used every 6"	

Item 19 – Shelf Assembly

	Product	Code
	Shelf and Bracket Assembly	110C1850P1

20
Blank unit door assembly

21
Filler kits and doors

22
Main bus structural parts

Item 20 – Blank Unit Door Assembly

	Product	Code
	15 x 6	110C1240KKG1
	15 x 12	110C1240KKG2
	15 x 18	110C1240KKG3
	15 x 24	110C1240KKG4
	15 x 30	110C1240KKG5
	15 x 36	110C1240KKG6
	15 x 42	110C1240KKG7
	15 x 48	110C1240KKG8
	20 x 6	110C1240KKG9
	20 x 12	110C1240KKG10
	20 x 18	110C1240KKG11
	20 x 24	110C1240KKG12
	20 x 30	110C1240KKG13
	20 x 36	110C1240KKG14
	20 x 42	110C1240KKG15
	20 x 48	110C1240KKG16
	20 x 54	110C1240KKG17
	20 x 60	110C1240KKG18
20 x 66 FOR 90 CASE HEIGHT	110C1240KKG19	
	20 x 72	110C1240KKG20
	24 x 6	110C1240KKG21
	24 x 12	110C1240KKG22
	24 x 18	110C1240KKG23
	24 x 24	110C1240KKG24
	24 x 30	110C1240KKG25
	24 x 36	110C1240KKG26
	24 x 42	110C1240KKG27
	24 x 48	110C1240KKG28
	24 x 54	110C1240KKG29
	24 x 60	110C1240KKG30
24 x 66 FOR 90 CASE HEIGHT	110C1240KKG31	
	24 x 72	110C1240KKG32
	30 x 6	110C1240KKG33
	30 x 12	110C1240KKG34
	30 x 18	110C1240KKG35
	30 x 24	110C1240KKG36
	30 x 30	110C1240KKG37
	30 x 36	110C1240KKG38
	30 x 42	110C1240KKG39
	30 x 48	110C1240KKG40
	30 x 54	110C1240KKG41
	30 x 60	110C1240KKG42
30 x 66 FOR 90 CASE HEIGHT	110C1240KKG43	
	30 x 72	110C1240KKG44
	36 x 60	110C1240KKG45
36 x 66 FOR 90 CASE HEIGHT	110C1240KKG46	
	20 x 90	110C1240KKG47
	24 x 90	110C1240KKG48



20

Item 20 – Blank Unit Door Assembly (continued)

	Product	Code
	20 x 24 (PULL BOX)	110C1240KKG49
	20 x 30 (PULL BOX)	110C1240KKG50
	24 x 24 (PULL BOX)	110C1240KKG51
	24 x 30 (PULL BOX)	110C1240KKG52
	15 x 54	110C1240KKG53
	15 x 60	110C1240KKG54
	15 x 66	110C1240KKG55
	15 x 72	110C1240KKG56
Includes Door Hinges, Latch Assembly, Case Side Hinges, Door Pins, Nameplate, and Canoe Clips		

Item 21 – Filler Kits and Doors

	Product	Code
	6" Filler kit	EK06
	12" Filler kit	EK12
	18" Filler kit	EK18
	24" Filler kit	EK24
	30" Filler kit	EK30
	36" Filler kit	EK36
	42" Filler kit	EK42
	48" Filler kit	EK48
	Door - Size 1 - 6"	110C1540BAG1
Door - Size 1 & 2 w/ P/B cutout - 12"	110C1540AAG11	
Door - Size 3 w/ P/B cutout - 18"	110C1540AAG12	
Door - Size 4 w/ P/B cutout - 24"	110C1540AZG13	
Door - Size 4 w/ P/B cutout - 30"	110C1540AZG14	
Door - Size 4 w/ P/B cutout - 36"	110C1540AZG15	
Door - Sz 1 & 2 w/o P/B cutout - 12"	110C1540AAG1	
Door - Size 3 w/o P/B cutout - 18"	110C1540ABG2	
Door - Size 4 w/o P/B cutout - 24"	110C1540AZG3	
Door - Size 4 w/o P/B cutout - 30"	110C1540AZG4	
Door - Size 4 w/o P/B cutout - 36"	110C1540AZG5	
	6" Feeder Door	110C1540DAG2
	12" Feeder Door	110C1540AAG41
Door Hinge		
	Cabinet Side Hinge	190B1013P1
	Hinge Pin	190B1080P1



21



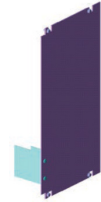
22

- 22a
Clear horizontal bus
barrier
- 22b
Space heater assembly
- 22c
Thermostat assembly
- 22d
Cable support
- 22e
Main bus splice kit

Item 22 – Main Bus Structural Parts

Note regarding main horizontal bus: Main bus components are not available directly as spare parts. For main bus repair, please contact ELDS Service Sales.

Product	Code
Clear Horizontal Bus Barriers	
2" HORZ MAIN BUS BARRIER ASM, 20	110C1147G1
2" HORZ MAIN BUS BARRIER ASM, 24	110C1147G2
2" HORZ MAIN BUS BARRIER ASM, 30	110C1147G3
2" HORZ MAIN BUS BARRIER ASM, 36	110C1147G4
Bus barrier upper 20W 2500A/3200A	270A1971P4
Bus barrier upper 24W 2500A/3200A	270A1971P3
Bus barrier upper 30W 2500A/3200A	270A1971P2
Bus barrier upper 36W 2500A/3200A	270A1971P1
Space Header Assembly	
Space Htr Asm - 12" Bottom - 20"	190B2643G1
Space Htr Asm - 12" Bottom - 24"	190B2643G2
Space Htr Asm - 12" Bottom - 30"	190B2643G3
Space Htr Asm - 6" Bottom - 20"	190B2643G9
Space Htr Asm - 6" Bottom - 24"	190B2643G10
Space Htr Asm - 6" Bottom - 30"	190B2643G11
Thermostat Assembly	
Thermostat Assembly	190B2375G1
Cable Support	
Cable Support	204B4135P1
Main Bus Splice Kit	
600A - 2" - Tin plated	110C1735G1SM
600A - 2" - Silver plated	110C1735G1KT
800A - 2" - Tin plated	110C1735G4SM
800A - 2" - Silver plated	110C1735G4KT
1000/1200A - 2" - Tin plated	110C1735G7SM
1000/1200A - 2" - Silver plated	110C1735G7KT
1600A - 4" - Tin plated	110C1735G10SM
1600A - 4" - Silver plated	110C1735G10KT
2000A - 2" - Tin plated	110C1735G12SM
2000A - 2" - Silver plated	110C1735G12KT
2500A - 2" - Tin Plated	110C1735G13SM
2500A - 2" - Silver Plated	110C1735G13KT
600A - 2" - Tin plated - for NEMA 3	110C1735G14SM
600A - 2" - Silver plated - for NEMA 3	110C1735G14KT
800A - 2" - Tin plated - for NEMA 3	110C1735G15SM
800A - 2" - Silver plated - for NEMA 3	110C1735G15KT
1000/1200A - 2" - Tin plated - for NEMA 3	110C1735G16SM
1000/1200A - 2" - Silver plated - for NEMA 3	110C1735G16KT
2500/3200A 4" SPLICE TO LEFT / RIGHT - Tin plated	110C1735G38SM
2500/3200A 4" SPLICE TO LEFT / RIGHT - Silver plated	110C1735G38KT
2500/3200A 4" SPLICE TO LEFT / RIGHT FOR NEMA 3 - Tin plated	110C1735G39SM
2500/3200A 4" SPLICE TO LEFT / RIGHT FOR NEMA 3 - Silver plated	110C1735G39KT



22a



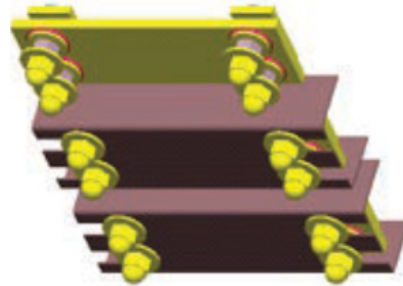
22b



22c



22d



22e

Unit parts

- 23a

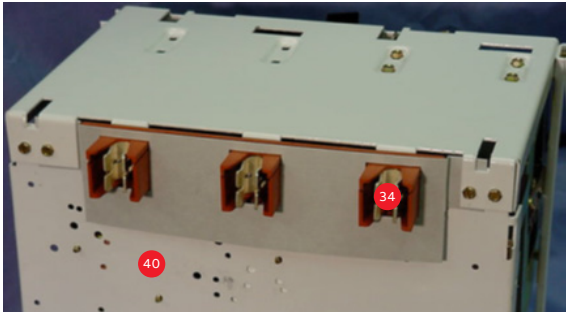
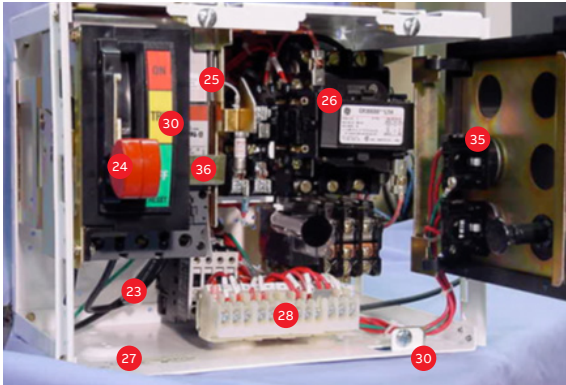
Vertical
- 23b

Horizontal
- 23c

Spectra G or Tmax XT5
- 23d

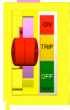
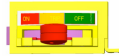
Spectra K or Tmax XT7
- 24

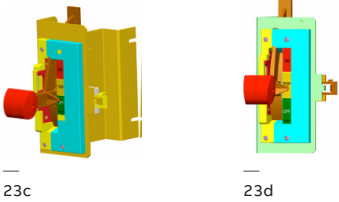
Handle actuator assembly



Item 23 – Combination Starter Handles

Handle (Only)" includes plastic handle with egg shaped knob; "Handle assembly" includes handle, egg shaped knob, escutcheon, and steel linkage to mount on unit.

	Product	Code
Handle Assemblies		
	Handle Escutcheon ASM, SZ1-4, XT2, XT4	190B3989G1
	Handle Escutcheon ASM, SZ1-4, 1/2X XT2 XT4	190B3989G2
	Handle Escutcheon ASM, SZ1-4, XT2, XT4, TYPE 12	190B3989G3
	Handle Escutcheon ASM, SZ1-4, 1/2X XT2, XT4 TYPE 12	190B3989G4
	Handle Escutcheon ASM, SZ1-4, XT2, XT4 No Label	190B3989G5
	Handle Escutcheon ASM, SZ1-4, XT2, XT4 TYPE 12 No Label	190B3989G6
	Handle Escutcheon ASM, XT4 Vertical	190B3989G7
	Handle Escutcheon ASM, XT4 Horizontal	190B3989G8
	Handle Escutcheon ASM, XT4 Vertical T12	190B3989G9
	Handle Escutcheon ASM, XT4 Horizontal T12	190B3989G10
	HANDLE ASSEMBLY, XT5, TYPE 1	110C2462G2
	HANDLE ASSEMBLY, XT7, TYPE 1	110C2462G1



Item 24 – Handle Actuator Assembly

Includes metal actuator, top hat, and door defeater as shown below.

	Product	Code
	TMAX XT4-BREAKER OPERATOR SUB-ASM	110C2400G1
	1/2X TMAX XT4-BREAKER STARTER/FEEDER SUB-ASM	110C2400G2
	TMAX XT4-DUAL FEEDER BREAKER OPERATOR SUB-ASM	110C2400G3
	TMAX XT4-BREAKER OPERATOR SUB-ASM T12	110C2400G4
	1/2X TMAX XT4-BREAKER STARTER/FEEDER SUB-ASM T12	110C2400G5
	TMAX XT4-DUAL FEEDER BREAKER OPERATOR SUB-ASM T12	110C2400G6
	TMAX XT4-BREAKER OPERATOR SUB-ASM AFM	110C2400G7
	TMAX XT4-BREAKER OPERATOR SUB-ASM AFM T12	110C2400G8
	1/2X TMAX XT4-12" BREAKER STARTER/FEEDER SUB-ASM	110C2400G9
	XT4-BREAKER FEEDER AFM	110C2400G10
	1/2X TMAX XT4-12" BREAKER STARTER/FEEDER SUB-ASM T12	110C2400G11
	XT4-BREAKER FEEDER AFM T12	110C2400G12
	TMAX XT2-BREAKER OPERATOR SUB-ASM	110C2401G1
	1/2X TMAX XT2-BREAKER STARTER/FEEDER SUB-ASM	110C2401G2
	TMAX XT2-DUAL FEEDER BREAKER OPERATOR SUB-ASM	110C2401G3
	TMAX XT2-BREAKER OPERATOR SUB-ASM-T12	110C2401G4
	1/2X TMAX XT2-BRKER STRTR/FDR SUB-ASM-T12	110C2401G5
	TMAX XT2-DUAL FEEDER BREAKER OPERATOR SUB-ASM-T12	110C2401G6
	TMAX XT2-BREAKER OPERATOR SUB-ASM-AFM	110C2401G7
	TMAX XT2-BREAKER OPER SUB-ASM-AFM-T12	110C2401G8

Item 26 – Starter / Contactor

Refer to Spare Recommendations and Parts List for your motor control center. If none is available, refer to catalog number as it appears on the device itself before ordering replacement parts.

—
28a
190B1692G1

—
28b
190B1631G1

—
28c
Power terminal blocks

—
29
Door latch (1/4 turn)

—
30
Unit frame latch
assembly (1/4 turn)

—
31 Vertical Wireway Door
Latch Assembly (1/4-turn)

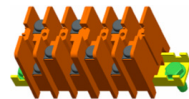
Item 27 – Control Power Transformer
(120 Volt Secondary 60 Hz)

CPT	480V Primary	600V Primary
Size 1 60VA	30213600YDP1	30213600YDP25
Size 1 / 2 150VA	30213600YDP300	30213600YDP301
Size 3	30213600YDP7	30213600YDP30
Size 4	30213600YDP7	30213600YDP30
1/2X Size 1 Micron Transformer	MIC#B100-2989-5	-

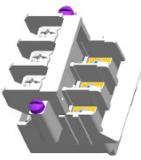
Item 28 – Terminal Boards

	Type	Description	Part
Control Terminal Blocks			
	Pull Apart	HD 3PT	190B1692G1
	Stationary	Single 3-point T/B	190B1627P1
	Stationary	Stationary HD 6PT	190B1631G1
	Stationary	HD 12PT	190B1631G2
	Stationary	HD 18PT	190B1631G3

28a

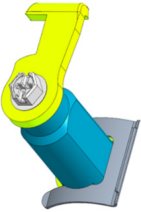


28b

	Power Terminal Blocks	
	Power terminal Block	190B1691G1
	Terminal block Din rail assembly 18 points max	190B2070G6
	Terminal block Din rail assembly 18 points max w/ TB	190B0270G12

28c

Item 29 – Door Latch (1/4 Turn)

	Type	Description
	LATCH, PR RLVG, RH, STD DR	270A2452G1
	LATCH, PR RLVG, RH, HEX DR	270A2452G2
	LATCH, PR RLVG, RH, TRI DR	270A2452G3
	LATCH, PR RLVG, LH, STD DR	270A2452G4
	LATCH, PR RLVG, LH, HEX DR	270A2452G5
	LATCH, PR RLVG, LH, TRI DR	270A2452G6
	LATCH, PR RLVG, RH, STD DR, NN	270A2452G7
	LATCH, PR RLVG, RH, HEX DR, NN	270A2452G8
	LATCH, PR RLVG, RH, TRI DR, NN	270A2452G9
	LATCH, PR RLVG, LH, STD DR, NN	270A2452G10
	LATCH, PR RLVG, LH, HEX DR, NN	270A2452G11
	LATCH, PR RLVG, LH, TRI DR, NN	270A2452G12

29

Item 30 – Unit Frame Latch Assembly (1/4 Turn)

	Type	Description
	Unit Frame Latch Assembly (1/4 turn)	110C1572G1

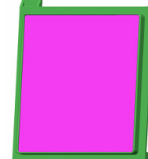
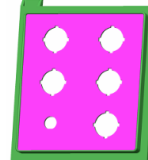
30

Item 31 – Vertical Wireway Door Latch Assembly (1/4-turn)

	Type	Description
	Wire Trough Door Latch Assembly (1/4-turn)	270A2609G1

31

Item 32 – Pilot Device Bracket Escutcheon

	Type	Description
	6-unit device plate, blank (No Holes)	110C1039P100
	3-unit device plate, blank (No Holes)	110C1089P100
	6-unit device plate, 6 hole	110C1039P1
	Plug Button Assembly (Black)	272A5650UWG2
	Plug Button Assembly (Gray)	272A5650UWG4
	PB Mounting Bracket	190B1662P1
	Case Side PB Mounting Bracket	190B2255P1

32a

32b

—
32a
Blank

—
32b
6 hole

—
33a
190B1048G1

—
33b
190B1048G2

—
33c
190B1421G1

—
33d
190B1418G1

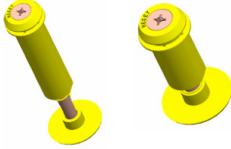
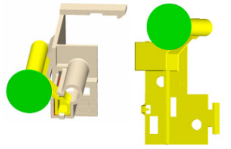
—
33e
Door button

—
33f
Rubber plug

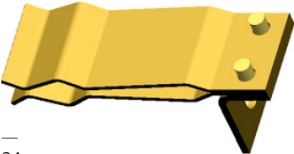
—
34
Vertical ground
bus stab finger

—
37
Cable clamps

Item 33 – Overload Relay Reset Assembly

		Product	Code
		Door Mounted Reset	
	33a 33b	Reset Button Assembly Bimetal Size 1, 3, & 4	190B1048G1
		Reset Button Assembly Bimetal Size 2 & 5	190B1048G2
		Reset Button Assembly Electronic Size 1	190B1048G1
		Reset Button Assembly Electronic Size 2, 3, 4, & 5	190B1048G2
		DOOR BUTTON FOR OL RESET (Need P/N!)	270A2380P1
	33c 33d	RUBBER PLUG FOR OL RESET HOLE	270A2386P1
		Clear Plastic OL Adapter	
		OLR Reset Button Adapter Bimetal Size 1, 2, & 5	190B1421G1
		OLR Reset Button Adapter Bimetal Size 3 & 4	190B1421G2
		OLR Reset Button Adapter Electronic Size 1 thru 5	190B1418G1
	33e 33f	O/L Reset Assembly	
		Size 1 standard O/L	9000RSG1
		Size 1 electronic O/L	9000RSG2
		Size 2,5 standard O/L	9000RSG3
		Size 2,5 electronic O/L	9000RSG4
		Size 3,4 standard O/L	9000RSG5
		Size 3,4 electronic O/O	9000RSG6

Item 34 – Vertical Ground Bus Stab Finger

Type	Description
	Part Number 270A1032G1

Item 35 – Pilot Devices (Type CR104P)

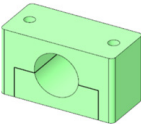
Refer to Spare Recommendations furnished with your motor control center.

- Type CR104P Standard

Item 36 – Fuse Block

Type	Description
1-Pole In Line	CSC#FEC-11-11
1-Pole Midget	CSC#30311
1-Pole CC	CSC#30311R
2-Pole Class CC	CSC#30312R
3-Pole Class CC	CSC#30313R
1-Pole CC Pull Out Din Rail Mtg	CSC#23302-G
2-Pole CC Pull Out Din Rail Mtg	CSC#23312-G
3-Pole CC Pull Out Din Rail Mtg	CSC#23314-G
Fast Acting Fuse, Class T, 600Vac, 15 A	4600286393P
Fast Acting Fuse, Class T, 600Vac, 30 A	4600286394P
Fast Acting Fuse, Class T, 600Vac, 40 A	4600286395P
Fast Acting Fuse, Class T, 600Vac, 60 A	4600286397P
Fast Acting Fuse, Class T, 600Vac, 80 A	4600286398P
Fast Acting Fuse, Class T, 600Vac, 100 A	4600286402P
Fast Acting Fuse, Class T, 600Vac, 110 A	4600286403P
Fast Acting Fuse, Class T, 600Vac, 150 A	4600286404P
Fast Acting Fuse, Class T, 600Vac, 200 A	4600286405P
Fast Acting Fuse, Class T, 600Vac, 225 A	4600286475P
Fast Acting Fuse, Class T, 600Vac, 250 A	4600286406P
Fast Acting Fuse, Class T, 600Vac, 300 A	4600286407P
Fast Acting Fuse, Class T, 600Vac, 350 A	4600286476P
Fast Acting Fuse, Class T, 600Vac, 400 A	4600286477P
Fast Acting Fuse, Class T, 600Vac, 500 A	4600286478P
Fast Acting Fuse, Class T, 600Vac, 600 A	4600286479P
Fast Acting Fuse, Class L, 600Vac, 800 A	4600286494P
Fast Acting Fuse, Class L, 600Vac, 900 A	4600286495P

Item 37 – Cable Clamps

Type	Description
	STANDARD CLEAT, 50 INCH DIA – KOZ 50-75 190B2199P4

Item 40 – Stab Power Harness

Includes harness and stab fingers.
Combination Starter Units:

Function	NEMA Size	Breaker Part Number	
		Tin	Silver
FVNR, FVR and 2S1W or 2S2W	1	E9000L8G2	E9000L8G4
	2	E9000L8G2	E9000L8G4
	3	E9000L4G2	E9000L4G8
	4	E9000L4G15	E9000L4G16
	4 (F-Frame)	E9000L4G10	E9000L4G4

—
38a
110C2960P1

—
38b
110C2970P1

—
38c
110C2923P1

—
39
Fans and filters

—
40
Bucket removal tool

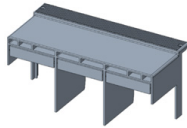
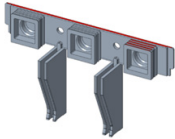
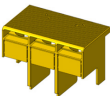
—
42
Barriers

Function	NEMA Size	Breaker Part Number	
		Tin	Silver
FVNR, FVR and 2S1W or 2S2W	1	E9000L8G7	E9000L8G8
	2	E9000L8G7	E9000L8G8
	3	E9000L4G17	E9000L4G18
	4	E9000L4G10	E9000L4G4

NOTE: Above harnesses utilize standard ABB type THW (flamenol) wire/cable. Do not order above catalog numbers if your motor control center was ordered with special type power wire/cable.

	Product	Code
Common Screws		
¼ - 20 Thread Rolling screws – pack of 5	204B4139AAG11	E9000 & RG
10-32 Thread Rolling screws – pack of 5	204B4139AAG15	E9000 & RG
Rivets		
Plastic Nameplate rivets – pack of 6	204B4139AAG5	E9000 & RG
Blank Nameplate – Small – 6" Bucket 1" x 3"		
Black face	273A7916P3FC	
White Face	273A7916P3EC	
Blank Nameplate – Large – 12" Bucket & Larger .5" x 2.3"		
Black face	273A7916P3F3.5/2.3	
White Face	273A7916P3E3.5/2.3	
Labels – Danger Labels		
DANGER LABEL (3.74IN W x 6.4IN H)	252B3431P5	
DANGER LABEL (4IN W x 3.45IN H)	252B3431P11	
Joint Compound		
4oz. Tube	302A3747P3	
Bucket Removal Tool		
Bucket Removal Tool	270A1581G1	

Item 43 – Custom Breaker Accessories

	Type	Description
	MODIFIED HTC, XT7, SIDE CUT OUTS	110C2960P1 RG
	MODIFIED CB TERMINAL, REAR COVER, XT5	110C2970P1 RG
	MODIFIED HTC, XT5	110C2923P1 RG

Item 41 – Fans and Filters

	Type	Description
	AC Fan, 115Vac, 230 CFM, Type 1	273A7844CWP7
	AC Fan, 115Vac, 330 CFM, Type 1	ADDA#AK1781HB-AW
	AC Fan, 115Vac, 71 CFM, Type 12	4600292137P
	AC Fan, 115Vac, 147 CFM, Type 12	4600292140P
	AC Fan, 115Vac, 453 CFM, Type 12	4600292141P
	Muffin fan 120V only	MUFFINFANG1
	Tarzan fan only	RMC#020169
	Case fan assembly	110C1556G1
	N3R fan assemblies	Refer to Factory
	Spare filter mat for SK 3239.200 Rittal filter	3239066
	Spare filter mat for SK 3237.200 Rittal filter	3237066
	N3R Door Filter	75C143964P102

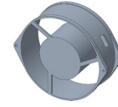


Figure 39

Item 42 – Barriers

	Type	Description
	BARRIER, XT5 24IN, INCOMING LINE SIDE	270A2703P1
	BARRIER, XT5 30IN AND UP, INCOMING LINE SIDE	110C2784P2



40

Torque Table Values

Bolt Size	Copper Joint		Aluminum Joint	
	Ft-lb	N-m	Ft-lb	N-m
5/16 – 18	5 – 9	7 – 12	6.5 – 9	9 – 12
3/8 – 16	12 – 16	16 – 22	10 – 15	14 – 20
½ - 13	30 – 39	41 – 53	25 – 35	34 – 47
5/8 – 11	65 – 80	88 – 108	35 – 45	47 – 61
¾ - 10	125 - 150	169 - 203	50 - 75	68 - 102

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