

Parts for F7 Drives, 230 and 460V, Including Brand Labelled Drives

This document provides information to locate Spare Parts (Replacement Parts) for the Yaskawa F7 Drive, ratings at 230V and 460V.

Information can also be used for the Brand Labelled Drives Omron/IDM 3G3RV. Find the F7 equivalent from the Model Cross Reference List shown below.

The F7 drive has a model # of the form CIMR-F7XxxxxXX. Check the drive nameplate for the X values. The 4 lower case values are the Drives power rating and used to search this file.

Contact Yaskawa Drives Inside Sales if you need assistance at 1-800-YASKAWA (927-5292), Dial 1.

[Model Cross Reference List for Brand Labelled Drives](#) or
<http://www.yaskawa.com/site/products.nsf/staticpagesNewWindow/f7crossref.html>

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U20P41A	YASKAWA
CIMR-F7U20P41E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001297	1	\$152.00	TRANSISTOR IGBT 7MBR10KA060 600V 10A	Q1
ETP617014	1	\$511.00	PCB POWER 230V 0.4-0.7kW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
FU-002029	1	\$16.00	FUSE,10A,600V,FERRAZ,A60Q10-2	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20P41A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617014 REPLACES ALL SHOWN BELOW

ETP617012
ETP617013

HISTORY OF PCB CONTROL BOARD FOR F7*20P41A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*20P41A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*20P41E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U20P71A	YASKAWA
CIMR-F7U20P71E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001297	1	\$152.00	TRANSISTOR IGBT 7MBR10KA060 600V 10A	Q1
ETP617014	1	\$511.00	PCB POWER 230V 0.4-0.7kW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
FU-002029	1	\$16.00	FUSE,10A,600V,FERRAZ,A60Q10-2	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20P71A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7	
CURRENT VERSION ETP617014 REPLACES ALL SHOWN BELOW	
ETP617012	
ETP617013	

HISTORY OF PCB CONTROL BOARD FOR F7*20P71A	
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW	
ETC618130	

HISTORY OF PCB TERMINAL CARD FOR F7*20P71A	
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW	
ETC618030-S2013	
ETC618030-S2014	
ETC618030-S2015	

HISTORY OF PCB CONTROL BOARD FOR F7*20P71E	
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW	
ETC618390-S3010	
ETC618391-S3010	

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U21P51A YASKAWA
 CIMR-F7U21P51E YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001299	1	\$188.00	TRANSISTOR IGBT 7MBR15KA060 600V 15A	Q1
ETP617024	1	\$533.00	PCB POWER BOARD 21P5 500-002-144	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
FU-002029	1	\$16.00	FUSE,10A,600V,FERRAZ,A60Q10-2	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*21P51A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617024 REPLACES ALL SHOWN BELOW

ETP617020
 ETP617021
 ETP617022
 ETP617023

HISTORY OF PCB CONTROL BOARD FOR F7*21P51A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*21P51A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
 ETC618030-S2014
 ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*21P51E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
 ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U22P21A	YASKAWA
CIMR-F7U22P21E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001301	1	\$192.00	TRANSISTOR IGBT 7MBR20SA060 600V 20A	Q1
ETP617034	1	\$557.00	PCB POWER BOARD 22P2 500-002-145	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
FU-002030	1	\$18.00	FUSE,15A,600V,FERRAZ,A60Q15-2	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*22P21A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617034 REPLACES ALL SHOWN BELOW

ETP617030
ETP617031
ETP617032
ETP617033

HISTORY OF PCB CONTROL BOARD FOR F7*22P21A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*22P21A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*22P21E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U23P71A	YASKAWA
CIMR-F7U23P71E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001303	1	\$260.00	TRANSISTOR IGBT 7MBR30SA060B 600V 30A	Q1
ETP617044	1	\$575.00	PCB POWER BOARD 23P7 500-002-146	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
ETX003750	1	\$165.00	PCB, CAPACITOR BOARD, 230V, 3.7kW	4PCB
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
300-017-257	1	\$32.00	FAN MMF-06D24ES-AOK DC24V 2.4W 5250RPM	B1
FU-002031	1	\$20.00	FUSE A60Q20-2 AC600V 20A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*23P71A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617044 REPLACES ALL SHOWN BELOW

ETP617040
 ETP617041
 ETP617042
 ETP617043

HISTORY OF PCB CONTROL BOARD FOR F7*23P71A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*23P71A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
 ETC618030-S2014
 ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*23P71E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
 ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U25P51A	YASKAWA
CIMR-F7U25P51E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001304	1	\$290.00	TRANSISTOR IGBT 7MBR50SA060B 600V 50A	Q1
ETP617054	1	\$595.00	PCB POWER BOARD 25P5 500-002-147	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
ETX003760	1	\$165.00	PCB, CAPACITOR BOARD, 230V, 5.5kW	4PCB
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
300-017-257	1	\$32.00	FAN MMF-06D24ES-AOK DC24V 2.4W 5250RPM	B1
FU-002099	1	\$30.00	FUSE, A60Q40-2, 600V, 40A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*25P51A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617054 REPLACES ALL SHOWN BELOW

ETP617050
 ETP617051
 ETP617052
 ETP617053

HISTORY OF PCB CONTROL BOARD FOR F7*25P51A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*25P51A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
 ETC618030-S2014
 ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*25P51E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
 ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U27P51A	YASKAWA
CIMR-F7U27P51E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001278	1	\$330.00	TRANSISTOR IGBT 7MBR75SB060B 600V 75A	Q1
ETP617064	1	\$615.00	PCB POWER 230V 7.5kW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
C--800026	2	\$65.00	CAPACITOR LXN128 375V 1000uF 105C	C1,C2
POR003014	1	\$27.00	RELAY 25A 277V HE2AN-DC24V AHE2212	K1
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
300-017-257	2	\$32.00	FAN MMF-06D24ES-AOK DC24V 2.4W 5250RPM	B1,B2
FU-002107	1	\$30.00	FUSE, CR2LS-50, 250V, 50A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*27P51A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617064 REPLACES ALL SHOWN BELOW

ETP617060
ETP617061
ETP617062
ETP617063

HISTORY OF PCB CONTROL BOARD FOR F7*27P51A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*27P51A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*27P51E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U20111A	YASKAWA
CIMR-F7U20111E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001315	1	\$400.00	TRANSISTOR IGBT 7MB1100SA-060B 600V 100A	Q1
ETP617424	1	\$675.00	PCB POWER BOARD 2011 500-003-887	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
C--800027	2	\$66.00	CAPACITOR LXN129 375V 1200uF 105C	C1,C2
POR003014	1	\$27.00	RELAY 25A 277V HE2AN-DC24V AHE2212	K1
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
SID003114	1	\$115.00	DIODE, PT100S8, 800V, 100A	D1
FAN001043	1	\$36.00	FAN, D43M24-02A, DC24V	B3
300-017-257	2	\$32.00	FAN MMF-06D24ES-AOK DC24V 2.4W 5250RPM	B1,B2
FU-002108	1	\$32.00	FUSE, CR2LS-75, 250V, 75A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20111A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7
CURRENT VERSION ETP617424 REPLACES ALL SHOWN BELOW
ETP617420
ETP617421
ETP617422
ETP617423

HISTORY OF PCB CONTROL BOARD FOR F7*20111A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW
ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*20111A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW
ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*20111E
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW
ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U20151A	YASKAWA
CIMR-F7U20151E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001315	1	\$400.00	TRANSISTOR IGBT 7MBI100SA-060B 600V 100A	Q1
ETC617032	1	\$695.00	PCB GATE DRIVE 230V 15KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003113	1	\$130.00	DIODE, PT151S8, 800V, 150A	D1
300-017-256	2	\$35.00	FAN MMF-08D24ES-AN7 4200RPM 160MA	B1,B2
FU-002108	1	\$32.00	FUSE, CR2LS-75, 250V, 75A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--800025	2	\$121.00	CAPACITOR LXN127 375V 2200uF 105C	C1,C2
C--006525	1	\$6.00	CAPACITOR, FGSM91600-630VDC-155J, 630VDC	C4
C--006550	1	\$5.00	CAPACITOR, FGSM91600-630VDC-105J, 630VDC	C3
ETX003651	1	\$85.00	PCB RESISTOR BOARD 230/460V 15-18kW	4PCB
POR003012	1	\$64.00	RELAY, W/MOUNTING BRACKET, 25A	K1
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
XX-000226	3	\$2.00	VARISTOR, TNR14V431K330, 275V 6000A	XX1-3

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20151A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7	
CURRENT VERSION ETC617032 REPLACES ALL SHOWN BELOW	
ETC617030	
ETC617031	

HISTORY OF PCB CONTROL BOARD FOR F7*20151A	
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW	
ETC618130	

HISTORY OF PCB TERMINAL CARD FOR F7*20151A	
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW	
ETC618030-S2013	
ETC618030-S2014	
ETC618030-S2015	

9/5/2006

REV 1

SP.F7.01

F7

230V

58.0/ 59.4 AMPS

HISTORY OF PCB CONTROL BOARD FOR F7*20151E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010

ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U20181A	YASKAWA
CIMR-F7U20181E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001320	1	\$450.00	TRANSISTOR IGBT 7MBI150SA-060B 600V 150A	Q1
ETC617042	1	\$725.00	PCB GATE DRIVE 230V 18KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003113	1	\$130.00	DIODE, PT151S8, 800V, 150A	D1
FAN001043	1	\$36.00	FAN, D43M24-02A, DC24V	B3
300-017-256	2	\$35.00	FAN MMF-08D24ES-AN7 4200RPM 160MA	B1,B2
FU-002109	1	\$38.00	FUSE, CR2LS-100, 250V, 100A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--800029	2	\$120.00	CAPACITOR LXN131 375V 2900uF 105C	C1,2
C--006525	1	\$6.00	CAPACITOR, FGSM91600-630VDC-155J, 630VDC	C4
C--006550	1	\$5.00	CAPACITOR, FGSM91600-630VDC-105J, 630VDC	C3
ETX003651	1	\$85.00	PCB RESISTOR BOARD 230/460V 15-18kW	4PCB
POR003012	1	\$64.00	RELAY, W/MOUNTING BRACKET, 25A	K1
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
XX-000226	3	\$2.00	VARISTOR, TNR14V431K330, 275V 6000A	XX1-3

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20181A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617042 REPLACES ALL SHOWN BELOW

ETC617040
ETC617041

HISTORY OF PCB CONTROL BOARD FOR F7*20181A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*20181A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

9/5/2006

REV 1

SP.F7.01

F7

230V

71.0/ 74.8 AMPS

HISTORY OF PCB CONTROL BOARD FOR F7*20181E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010

ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U20221A	YASKAWA
CIMR-F7U20221E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001314	1	\$500.00	TRANSISTOR IGBT MG200J6ES60 600V 200A	Q1
ETC617053	1	\$725.00	PCB GATE DRIVE 230V 22KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003114	2	\$115.00	DIODE, PT100S8, 800V, 100A	D1,D2
300-002-496	2	\$38.00	FAN MMF-09C24TS-YN4 300-002-496	B1,B2
FU-002110	1	\$68.00	FUSE, CR2L-150, 250V, 150A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
300-001-873	1	\$40.00	RESISTOR 2.2OHM 60W 4.1G SMVK60W2.2OHMJ	R1
C--006515	2	\$1.00	CAPACITOR, DMEST2J104K, 630VDC, 0.1uF	C5,C6
C--006523	1	\$24.00	CAPACITOR,SKUNITYK11025A,600VDC,0.48uF	C3
C--006594	1	\$2.00	CAPACITOR 630VDC 0.47uF DMPPTH2J474K	C4
C--800033	2	\$95.00	CAPACITOR RWYN106 375V 2400uF 85C	C1,C2
ETX003700	1	\$165.00	PCB, DCCT, 230V 22kW, 460V 45kW	4PCB
POR003014	2	\$27.00	RELAY 25A 277V HE2AN-DC24V AHE2212	K1,K2
SID003127	1	\$6.00	DIODE, TLR146, LED, WHITE	D3
THS001035	1	\$8.00	THERMISTOR, PMP-342-Y1, 63.26K OHM	RT2
THS001065	1	\$7.00	THERMISTOR 151-203-77012	RT1
UCN00003-3	1	\$20.00	RIBBON CABLE 60 PIN L=200MM WRMT41077-3	
300-006-582	1	\$230.00	DC REACTOR UZDC-MG 106A 0.22MH	L1
XX-000226	6	\$1.00	VARISTOR, TNR14V431K330, 275V 6000A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20221A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617053 REPLACES ALL SHOWN BELOW

ETC617050
 ETC617051
 ETC617052

HISTORY OF PCB CONTROL BOARD FOR F7*20221A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

9/5/2006

REV 1

SP.F7.01

F7

230V

85.0/ 88.0 AMPS

HISTORY OF PCB TERMINAL CARD FOR F7*20221A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013

ETC618030-S2014

ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*20181E
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010

ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U20301A	YASKAWA
CIMR-F7U20301E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-956	1	\$500.00	IGBT CM200TU-12F 600V 200A 6IN1 ROHS	Q1
ETC617063	1	\$750.00	PCB GATE DRIVE 230V 30KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003113	2	\$130.00	DIODE, PT151S8, 800V, 150A	D1,D2
300-002-496	2	\$38.00	FAN MMF-09C24TS-YN4 300-002-496	B1,B2
FU-002110	1	\$68.00	FUSE, CR2L-150, 250V, 150A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
300-001-873	1	\$40.00	RESISTOR 2.2OHM 60W 4.1G SMVK60W2.2OHMJ	R1
C--006515	2	\$1.00	CAPACITOR, DMEST2J104K, 630VDC, 0.1uF	C7,C8
C--006524	1	\$24.00	CAPACITOR, FGSM91600-630VDC-474J, 630VDC	C3
C--006525	2	\$6.00	CAPACITOR, FGSM91600-630VDC-155J, 630VDC	C4,C5
C--006551	1	\$24.00	CAPACITOR,SKUNITYK11033A,600VDC,0.48uF	C6
C--800037	2	\$95.00	CAPACITOR RWYN110 375V 3200uF 85C	C1,C2
ETX003710	1	\$165.00	PCB, DCCT, 230V 30kW, 460V 55kW	5PCB
POR003014	2	\$27.00	RELAY 25A 277V HE2AN-DC24V AHE2212	K1,K2
SID003127	1	\$6.00	DIODE, TLR146, LED, WHITE	D3
THS001035	1	\$8.00	THERMISTOR, PMP-342-Y1, 63.26K OHM	RT2
THS001065	1	\$7.00	THERMISTOR 151-203-77012	RT1
UCN00003-3	1	\$20.00	RIBBON CABLE 60 PIN L=200MM WRMT41077-3	
300-006-583	1	\$260.00	DC REACTOR UZDC-MG 144A 0.16MH	L1
XX-000226	6	\$1.00	VARISTOR, TNR14V431K330, 275V 6000A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20301A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617063 REPLACES ALL SHOWN BELOW

ETC617060
ETC617061
ETC617062

HISTORY OF PCB CONTROL BOARD FOR F7*20301A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

**HISTORY OF PCB TERMINAL CARD FOR F7*20301A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW**

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

**HISTORY OF PCB CONTROL BOARD FOR F7*20301E
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW**

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U20370A	YASKAWA
CIMR-F7U20370E	YASKAWA
CIMR-F7U20370F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-957	3	\$280.00	IGBT CM300DU-12F 600V 300A 2IN1 ROHS	Q1-3
ETC617074	1	\$760.00	PCB Gate Drive E7/F7 2037 500-004-293	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003130	2	\$113.00	DIODE MODULE PT150S8 V=800V I=150A 6IN1	D1,D2
300-017-250	1	\$36.00	FAN MMF-08D24ES-AM4 24V 0.16A 4200RPM	B4
300-001-124	2	\$115.00	FAN R127CG[V1] AC230V	B1,B2
FU-002018	1	\$71.00	FUSE CR2L-260/UL AC250V 260A (UL)	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
URS000174	1	\$40.00	RESISTOR SMVK100W2.7OHMJ 300-001-877	R1
C--006436	4	\$9.00	CAPACITOR DMPPTS2J475K 630VDC 4.7uF	C5-9
C--006436	2	\$9.00	CAPACITOR DMPPTS2J475K 630VDC 4.7uF	C11,C12
C--006515	2	\$1.00	CAPACITOR, DMEST2J104K, 630VDC, 0.1uF	C13,C14
C--006550	3	\$5.00	CAPACITOR, FGSM91600-630VDC-105J, 630VDC	C4,7,10
C--006558	3	\$120.00	CAPACITOR 375LGSN2600MB-YH 375V 2600uF	C1-3
CT-003191	3	\$106.00	DCCT HS-UD200V4B15G 4V/200AT	DCCT1-3
ETX003812	1	\$165.00	PCB POWER SUPPLY CARD 230V 37-75kW	8PCB
MC-005066	1	\$129.00	CONTACTOR SC-N2S Z408 200V 190A	K1
R--010705	1	\$57.00	RESISTOR SMR120W602J 120W 6 KOHM	R3
THS001065	4	\$7.00	THERMISTOR 151-203-77012	RT1-4
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
300-006-589	1	\$360.00	DC REACTOR UZDC-MG 178A 0.14MH	L1
XX-000226	6	\$1.00	VARISTOR, TNR14V431K330, 275V 6000A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20370A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005054	1	\$187.00	CONTACTOR HI-50J1/11A230-V 200V 75A	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20370E

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005054	1	\$187.00	CONTACTOR HI-50J1/11A230-V 200V 75A	K1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617074 REPLACES ALL SHOWN BELOW

ETC617072
ETC617073

HISTORY OF PCB CONTROL BOARD FOR F7*20370A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*20370A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*20370E
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U20450A	YASKAWA
CIMR-F7U20450E	YASKAWA
CIMR-F7U20450F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-958	3	\$420.00	IGBT CM400DU-12F 600V 400A 2IN1 ROHS	Q1-3
ETC617084	1	\$775.00	PCB Gate Drive E7/F7 2045 500-004-294	3PCB
ETC618410	1	\$165.00	PCB TERMINAL F7+ 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003115	2	\$200.00	DIODE MODULE PT200S8 V=800V I=200A 6IN1	D1,D2
300-017-250	1	\$36.00	FAN MMF-08D24ES-AM4 24V 0.16A 4200RPM	B4
300-001-124	2	\$115.00	FAN R127CG[V1] AC230V	B1,B2
FU-000925	1	\$180.00	FUSE A50P350-4 AC500V 350A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--800025	4	\$121.00	CAPACITOR LXN127 375V 2200uF 105C	C1-4
C--006515	2	\$1.00	CAPACITOR, DMEST2J104K, 630VDC, 0.1uF	C14,C15
C--006550	4	\$5.00	CAPACITOR, FGSM91600-630VDC-105J, 630VDC	C5-9
C--006550	2	\$5.00	CAPACITOR, FGSM91600-630VDC-105J, 630VDC	C11,C12
C--006573	3	\$30.00	CAPACITOR SKUNITYK11033B 600VDC 0.48uF	C7,10,13
CT-003192	3	\$106.00	DCCT HS-UD250V4B15G 4V/250AT	DCCT1-3
ETX003812	1	\$165.00	PCB POWER SUPPLY CARD 230V 37-75kW	8PCB
MC-005066	1	\$129.00	CONTACTOR SC-N2S Z408 200V 190A	K1
R--010705	1	\$57.00	RESISTOR SMR120W602J 120W 6 KOHM	R3
THS001065	4	\$7.00	THERMISTOR 151-203-77012	RT1-4
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
URS000174	1	\$40.00	RESISTOR SMVK100W2.7OHMJ 300-001-877	R1
300-006-590	1	\$440.00	DC REACTOR UZDC-MG 217A 0.11MH	L1
XX-000219	6	\$2.00	VARISTOR, TNR20V431K382, 430V, 10000A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20450A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005054	1	\$187.00	CONTACTOR HI-50J1/11A230-V 200V 75A	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20450E

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005054	1	\$187.00	CONTACTOR HI-50J1/11A230-V 200V 75A	K1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617084 REPLACES ALL SHOWN BELOW

ETC617082
ETC617083

HISTORY OF PCB CONTROL BOARD FOR F7*20450A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*20450A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*20450E
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U20550A	YASKAWA
CIMR-F7U20550E	YASKAWA
CIMR-F7U20550F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-958	3	\$420.00	IGBT CM400DU-12F 600V 400A 2IN1 ROHS	Q1-3
ETC617094	1	\$800.00	PCB Gate Drive E7/F7 2055 500-004-302	3PCB
ETC618410	1	\$165.00	PCB TERMINAL F7+ 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003115	2	\$200.00	DIODE MODULE PT200S8 V=800V I=200A 6IN1	D1,D2
300-002-497	1	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B4
FAN001052	2	\$130.00	FAN UT797C-TP(B13) 200-230V 2650-3100RPM	B1,B2
FU-000938	1	\$96.00	FUSE A50P400-4 AC500V 400A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--800029	4	\$120.00	CAPACITOR LXN131 375V 2900uF 105C	C1-4
C--006515	2	\$1.00	CAPACITOR, DMEST2J104K, 630VDC, 0.1uF	C17,18
C--006550	3	\$5.00	CAPACITOR, FGSM91600-630VDC-105J, 630VDC	C5,9,13
C--006573	4	\$30.00	CAPACITOR SKUNITYK11033B 600VDC 0.48uF	C6,7,8,10
C--006573	3	\$30.00	CAPACITOR SKUNITYK11033B 600VDC 0.48uF	C11,12,14
C--006573	2	\$30.00	CAPACITOR SKUNITYK11033B 600VDC 0.48uF	C15,C16
CT-003193	3	\$106.00	DCCT HS-UD300V4B15G 4V/300AT	DCCT1-3
ETX003812	1	\$165.00	PCB POWER SUPPLY CARD 230V 37-75kW	8PCB
MC-005067	1	\$150.00	CONTACTOR SC-N3 Z408 200V 238A	K1
R--010703	1	\$57.00	RESISTOR SMR120W402J 120W 4 KOHM	R3
THS001065	4	\$7.00	THERMISTOR 151-203-77012	RT1-4
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
URS000175	1	\$55.00	RESISTOR SMVK120W3.0OHMJ 300-001-878	R1
300-006-591	1	\$525.00	DC REACTOR UZDC-MG 265A 0.10MH	L1
XX-000219	6	\$2.00	VARISTOR, TNR20V431K382, 430V, 10000A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20550A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005055	1	\$238.00	CONTACTOR HI-65J1/11A230-V 200V 100A	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20550E

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005055	1	\$238.00	CONTACTOR HI-65J1/11A230-V 200V 100A	K1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617094 REPLACES ALL SHOWN BELOW

ETC617092
ETC617093

**HISTORY OF PCB CONTROL BOARD FOR F7*20550A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW**

ETC618130

**HISTORY OF PCB TERMINAL CARD FOR F7*20550A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW**

**ETC618030-S2013
ETC618030-S2014
ETC618030-S2015**

**HISTORY OF PCB CONTROL BOARD FOR F7*20550E
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW**

**ETC618390-S3010
ETC618391-S3010**

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U20750A	YASKAWA
CIMR-F7U20750E	YASKAWA
CIMR-F7U20750F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-960	6	\$520.00	IGBT CM600HU-12H 600V 600A 1IN1 ROHS	Q1-6
ETC617104	1	\$825.00	PCB Gate Drive E7/F7 2075 500-004-296	3PCB
ETC618410	1	\$165.00	PCB TERMINAL F7+ 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003116	6	\$115.00	DIODE MODULE PD1008 V=800V I=100A 2IN1	D1-6
300-002-497	1	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B4
FAN001056	2	\$174.00	FAN U7556KX-TPAC220V 50/60HZ 230V 43/40W	B1,B2
FU-000926	1	\$230.00	FUSE A50P600-4 AC500V 600A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006579	6	\$14.00	CAPACITOR DMPPTH2J225K 630VDC 2.2UF	C5-10
C--006515	6	\$1.00	CAPACITOR, DMEST2J104K, 630VDC, 0.1uF	C14-19
C--006561	4	\$172.00	CAPACITOR 375LGSN4200MB-YH 375V 4200uF	C1-4
C--006573	3	\$30.00	CAPACITOR SKUNITYK11033B 600VDC 0.48uF	C11-13
CT-003194	3	\$106.00	DCCT HS-UD400V4B15G 4V/400AT	DCCT1-3
ETX003812	1	\$165.00	PCB POWER SUPPLY CARD 230V 37-75kW	8PCB
MC-005068	1	\$190.00	CONTACTOR SC-N4 Z408 200V 299A	K1
R--007497	6	\$21.00	RESISTOR ERF-60WHJ100 60W 10 OHM	R4-9
R--010703	1	\$57.00	RESISTOR SMR120W402J 120W 4 KOHM	R3
SID003145	3	\$173.00	SNUBBER MOD MS0650D225N-2-Z 50A 1200V	SM2,4,6
SID003147	3	\$173.00	SNUBBER MOD MS0650D225P-2-Z 50A 1200V	SM1,3,5
THS001065	4	\$7.00	THERMISTOR 151-203-77012	RT1-4
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
URS000175	1	\$55.00	RESISTOR SMVK120W3.0OHMJ 300-001-878	R1
300-006-592	2	\$525.00	DC REACTOR UZDC-MG 181A 0.16MH	L1,L2
XX-000219	6	\$2.00	VARISTOR, TNR20V431K382, 430V, 10000A	XX1-6

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20750A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005056	1	\$399.00	CONTACTOR HI-80JN1/22A230-V 200V 135A	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20750E				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005056	1	\$399.00	CONTACTOR HI-80JN1/22A230-V 200V 135A	K1

HISTORY OF PCB GATE DRIVE BOARD FOR F7	
CURRENT VERSION ETC617104 REPLACES ALL SHOWN BELOW	
ETC617102	
ETC617103	

HISTORY OF PCB CONTROL BOARD FOR F7*20750A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*20750A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*20750E
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U20900A	YASKAWA
CIMR-F7U20900E	YASKAWA
CIMR-F7U20900F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001338	6	\$430.00	POWER MODULE CM400DU-12F(2P) E7/F7	Q1-6
ETC617114	1	\$850.00	POWER/GATE PCB E7/F7	3PCB
ETC618410	1	\$165.00	PCB TERMINAL F7+ 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003116	6	\$115.00	DIODE MODULE PD1008 V=800V I=100A 2IN1	D1-6
300-002-497	1	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B4
FAN001056	2	\$174.00	FAN U7556KX-TPAC220V 50/60HZ 230V 43/40W	B1,B2
FU-002105	1	\$389.00	DC BUS FUSE A50P700-4 E7/F7	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006580	6	\$25.00	CAPACITOR for CIMR-G7U20750B	C5-10
C--006579	6	\$14.00	CAPACITOR DMPPTH2J225K 630VDC 2.2UF	C11-16
C--006515	6	\$1.00	CAPACITOR, DMEST2J104K, 630VDC, 0.1uF	C17-22
C--006562	4	\$291.00	DC BUS CAPACITOR 375LGSN5200MB-YHMG	C1-4
C--006573	3	\$30.00	CAPACITOR SKUNITYK11033B 600VDC 0.48uF	C11-13
CT-003195	3	\$106.00	DCCT HS-UD500V4B15G 4V/500AT	DCCT1-3
ETX003812	1	\$165.00	PCB POWER SUPPLY CARD 230V 37-75kW	8PCB
MC-005068	1	\$190.00	CONTACTOR SC-N4 Z408 200V 299A	K1
R--007497	6	\$21.00	RESISTOR ERF-60WHJ100 60W 10 OHM	R5-10
R--010704	2	\$75.00	RESISTOR for CIMR-G7U20750B	R3,R4
SID003069	3	\$507.00	SNUBBER MODULE MS0650B225N E7/F7	SM2,4,6
SID003137	3	\$513.00	SNUBBER MODULE MS0650B225N-2 E7/ F7	SM1,3,5
THS001066	1	\$7.00	THERMISTOR 151-203-77013	RT3
THS001067	1	\$7.00	THERMISTOR 151-203-77014	RT2
THS001068	2	\$8.00	THERMISTOR 151-203-77015	RT1,4
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
URS000175	1	\$55.00	RESISTOR SMVK120W3.0OHMJ 300-001-878	R1
X--010184	2	\$565.00	REACTOR for CIMR-G7U20750B	L1,L2
XX-000219	6	\$2.00	VARISTOR, TNR20V431K382, 430V, 10000A	XX1-6

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20900A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005057	1	\$479.00	CONTACTOR HI-125JN1/22A230-V 200V 150A	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*20900E				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005057	1	\$479.00	CONTACTOR HI-125JN1/22A230-V 200V 150A	K1

**HISTORY OF PCB GATE DRIVE BOARD FOR F7
CURRENT VERSION ETC617114 REPLACES ALL SHOWN BELOW**

ETC617112
ETC617113

**HISTORY OF PCB CONTROL BOARD FOR F7*20900A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW**

ETC618130

**HISTORY OF PCB TERMINAL CARD FOR F7*20900A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW**

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

**HISTORY OF PCB CONTROL BOARD FOR F7*20900E
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW**

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U21100A	YASKAWA
CIMR-F7U21100E	YASKAWA
CIMR-F7U21100F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001351	12	\$347.00	POWER MODULE CM600HU-12H E7/F7	Q1-12
ETC617531	1	\$875.00	POWER/GATE PCB E7/F7	3PCB
ETC618410	1	\$165.00	PCB TERMINAL F7+ 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003108	12	\$66.00	DIODE MODULE PD608 E7/F7	D1-12
300-002-497	1	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B4
FAN001056	2	\$174.00	FAN U7556KX-TPAC220V 50/60HZ 230V 43/40W	B1,B2
FU-002106	1	\$398.00	DC BUS FUSE A50P800-4 E7/F7	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006515	12	\$1.00	CAPACITOR, DMEST2J104K, 630VDC, 0.1uF	C30-41
C--006563	5	\$300.00	DC BUS CAPACITOR 375LGSN4600M-YH E7/F7	C1-5
CT-003216	3	\$130.00	DCCT for CIMR-G7U20900B	DCCT1-3
ETX003812	1	\$165.00	PCB POWER SUPPLY CARD 230V 37-75kW	8PCB
MC-005068	1	\$190.00	CONTACTOR SC-N4 Z408 200V 299A	K1
R--007497	12	\$21.00	RESISTOR ERF-60WHJ100 60W 10 OHM	R5-16
R--010704	2	\$75.00	RESISTOR for CIMR-G7U20750B	R3,R4
SID003144	3	\$193.00	SNUBBER MODULE MS0650D225N-1-Z E7/ F7	SM5,7,13
SID003144	2	\$193.00	SNUBBER MODULE MS0650D225N-1-Z E7/ F7	SM15,21
SID003144	1	\$193.00	SNUBBER MODULE MS0650D225N-1-Z E7/ F7	SM23
SID003145	3	\$173.00	SNUBBER MOD MS0650D225N-2-Z 50A 1200V	SM6,8,14
SID003145	2	\$173.00	SNUBBER MOD MS0650D225N-2-Z 50A 1200V	SM16,22
SID003145	1	\$173.00	SNUBBER MOD MS0650D225N-2-Z 50A 1200V	SM24
SID003146	3	\$193.00	SNUBBER MODULE MS0650D225P-1-Z	SM1,3,9
SID003146	2	\$193.00	SNUBBER MODULE MS0650D225P-1-Z	SM11,17
SID003146	1	\$193.00	SNUBBER MODULE MS0650D225P-1-Z	SM19
SID003147	3	\$173.00	SNUBBER MOD MS0650D225P-2-Z 50A 1200V	SM2,4,10
SID003147	2	\$173.00	SNUBBER MOD MS0650D225P-2-Z 50A 1200V	SM12,18
SID003147	1	\$173.00	SNUBBER MOD MS0650D225P-2-Z 50A 1200V	SM20
THS001065	2	\$7.00	THERMISTOR 151-203-77012	RT2-4
THS001066	2	\$7.00	THERMISTOR 151-203-77013	RT1,3
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
URS000175	1	\$55.00	RESISTOR SMVK120W3.0OHMJ 300-001-878	R1
X--010185	2	\$652.00	REACTOR for CIMR-G7U20900B	L1,L2
XX-000219	6	\$2.00	VARISTOR, TNR20V431K382, 430V, 10000A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*21100A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005058	1	\$936.00	CONTACTOR MC005058	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*21100E				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005058	1	\$936.00	CONTACTOR MC005058	K1

HISTORY OF PCB GATE DRIVE BOARD FOR F7
CURRENT VERSION ETC617531 REPLACES ALL SHOWN BELOW
NONE

HISTORY OF PCB CONTROL BOARD FOR F7*21100A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW
ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*21100A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW
ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*21100E
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW
ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U40P41A	YASKAWA
CIMR-F7U40P41E	YASKAWA
CIMR-F7U40P41F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001298	1	\$220.00	TRANSISTOR IGBT 7MBR10SA120 1200V 10A	Q1
ETP617084	1	\$510.00	PCB POWER BOARD 40P4-0P7 500-011-239	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
FU-002029	1	\$16.00	FUSE,10A,600V,FERRAZ,A60Q10-2	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40P41A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617084 REPLACES ALL SHOWN BELOW

ETP617082
ETP617083

HISTORY OF PCB CONTROL BOARD FOR F7*40P41A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*40P41A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*40P41E & CIMR-F7*40P41F

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U40P71A	YASKAWA
CIMR-F7U40P71E	YASKAWA
CIMR-F7U40P71F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001298	1	\$220.00	TRANSISTOR IGBT 7MBR10SA120 1200V 10A	Q1
ETP617084	1	\$410.00	PCB POWER BOARD 40P4-0P7 500-011-239	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
FU-002029	1	\$16.00	FUSE,10A,600V,FERRAZ,A60Q10-2	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40P71A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7	
CURRENT VERSION ETP617084 REPLACES ALL SHOWN BELOW	
ETP617082	
ETP617083	

HISTORY OF PCB CONTROL BOARD FOR F7*40P71A	
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW	
ETC618130	

HISTORY OF PCB TERMINAL CARD FOR F7*40P71A	
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW	
ETC618030-S2013	
ETC618030-S2014	
ETC618030-S2015	

HISTORY OF PCB CONTROL BOARD FOR F7*40P71E & CIMR-F7*40P71F	
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW	
ETC618390-S3010	
ETC618391-S3010	

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U41P51A	YASKAWA
CIMR-F7U41P51E	YASKAWA
CIMR-F7U41P51F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001298	1	\$220.00	TRANSISTOR IGBT 7MBR10SA120 1200V 10A	Q1
ETP617094	1	\$535.00	PCB POWER BOARD 41P5 500-011-240	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
FU-002029	1	\$16.00	FUSE,10A,600V,FERRAZ,A60Q10-2	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*41P51A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617094 REPLACES ALL SHOWN BELOW

ETP617092
ETP617093

HISTORY OF PCB CONTROL BOARD FOR F7*41P51A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*41P51A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*41P51E & CIMR-F7*41P51F

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U42P21A	YASKAWA
CIMR-F7U42P21E	YASKAWA
CIMR-F7U42P21F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001298	1	\$220.00	TRANSISTOR IGBT 7MBR10SA120 1200V 10A	Q1
ETP617104	1	\$570.00	PCB POWER BOARD 42P2 500-011-241	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
ETX003770	1	\$165.00	PCB, CAPACITOR BOARD, 460V, 2.2kW	4PCB
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
300-017-257	1	\$32.00	FAN MMF-06D24ES-AOK DC24V 2.4W 5250RPM	B1
FU-002029	1	\$16.00	FUSE,10A,600V,FERRAZ,A60Q10-2	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*42P21A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617104 REPLACES ALL SHOWN BELOW

ETP617102
ETP617103

HISTORY OF PCB CONTROL BOARD FOR F7*42P21A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*42P21A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*42P21E & CIMR-F7*42P21F

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U43P71A	YASKAWA
CIMR-F7U43P71E	YASKAWA
CIMR-F7U43P71F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001300	1	\$230.00	TRANSISTOR IGBT 7MBR15SA120B 1200V 15A	Q1
ETP617114	1	\$595.00	PCB POWER BOARD 43P7 500-011-242	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
ETX003780	1	\$165.00	PCB, CAPACITOR BOARD, 460V, 3.7kW	4PCB
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
300-017-257	1	\$32.00	FAN MMF-06D24ES-AOK DC24V 2.4W 5250RPM	B1
FU-002031	1	\$20.00	FUSE A60Q20-2 AC600V 20A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*43P71A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617114 REPLACES ALL SHOWN BELOW

ETP617112
ETP617113

HISTORY OF PCB CONTROL BOARD FOR F7*43P71A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*43P71A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*43P71E & CIMR-F7*43P71F

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U44P01A	YASKAWA
CIMR-F7U44P01E	YASKAWA
CIMR-F7U44P01F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001302	1	\$330.00	TRANSISTOR IGBT 7MBR25SA120B 1200V 25A	Q1
ETP617124	1	\$625.00	PCB POWER BOARD 44P0 500-011-243	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
ETX003790	1	\$166.00	PCB, CAPACITOR BOARD, 460V, 4.0kW	4PCB
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
300-017-257	1	\$32.00	FAN MMF-06D24ES-AOK DC24V 2.4W 5250RPM	B1
FU-002031	1	\$20.00	FUSE A60Q20-2 AC600V 20A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*44P01A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617124 REPLACES ALL SHOWN BELOW

ETP617122
ETP617123

HISTORY OF PCB CONTROL BOARD FOR F7*44P01A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*44P01A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*44P01E & CIMR-F7*44P01F

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U45P51A	YASKAWA
CIMR-F7U45P51E	YASKAWA
CIMR-F7U45P51F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001302	1	\$330.00	TRANSISTOR IGBT 7MBR25SA120B 1200V 25A	Q1
ETP617134	1	\$645.00	PCB POWER BOARD 45P5 500-011-244	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
ETX003800	1	\$165.00	PCB, CAPACITOR BOARD, 460V, 5.5kW	4PCB
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
300-017-257	1	\$32.00	FAN MMF-06D24ES-AOK DC24V 2.4W 5250RPM	B1
FU-002031	1	\$20.00	FUSE A60Q20-2 AC600V 20A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*45P51A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617134 REPLACES ALL SHOWN BELOW

ETP617132
ETP617133

HISTORY OF PCB CONTROL BOARD FOR F7*45P51A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*45P51A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*45P51E & CIMR-F7*45P51F

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U47P51A	YASKAWA
CIMR-F7U47P51E	YASKAWA
CIMR-F7U47P51F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001279	1	\$320.00	TRANSISTOR IGBT 7MBR35SB120B 1200V 35A	Q1
ETP617144	1	\$665.00	PCB POWER BOARD 47P5 500-011-245	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
C--800031	2	\$60.00	CAPACITOR LXN133 400V 950uF 105C	C1,C2
POR003013	1	\$26.00	RELAY AHE1212 DC24V 30A	K1
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
300-017-257	2	\$32.00	FAN MMF-06D24ES-AOK DC24V 2.4W 5250RPM	B1,B2
FU-002032	1	\$24.00	OPTION,FUSE,A60Q30-2,600VAC,30A,RC5	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*47P51A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617144 REPLACES ALL SHOWN BELOW

ETP617142
ETP617143

HISTORY OF PCB CONTROL BOARD FOR F7*47P51A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*47P51A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*47P51E & CIMR-F7*47P51F

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U40111A	YASKAWA
CIMR-F7U40111E	YASKAWA
CIMR-F7U40111F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001280	1	\$360.00	TRANSISTOR IGBT 7MBR50SB120B 1200V 50A	Q1
ETP617154	1	\$680.00	PCB POWER BOARD 4011 500-011-246	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
C--800028	2	\$68.00	CAPACITOR LXN130 400V 1150uF 105C	C1,C2
POR003013	1	\$26.00	RELAY AHE1212 DC24V 30A	K1
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	
FAN001043	1	\$36.00	FAN, D43M24-02A, DC24V	B3
300-017-257	2	\$32.00	FAN MMF-06D24ES-AOK DC24V 2.4W 5250RPM	B1,B2
FU-002037	1	\$30.00	FUSE A50QS50-4Y AC500V 50A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40111A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617154 REPLACES ALL SHOWN BELOW

ETP617152
ETP617153

HISTORY OF PCB CONTROL BOARD FOR F7*40111A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*40111A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*40111E & CIMR-F7*40111F

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U40151A	YASKAWA
CIMR-F7U40151E	YASKAWA
CIMR-F7U40151F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001318	1	\$500.00	TRANSISTOR IGBT 7MBI75SA-120B 1200V 75A	Q1
ETP617164	1	\$700.00	PCB POWER BOARD 4015 500-011-247	3,4PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003112	1	\$110.00	DIODE, PT76S16A, 1600V, 75A	D1
300-017-256	2	\$35.00	FAN MMF-08D24ES-AN7 4200RPM 160MA	B1,B2
FU-002038	1	\$36.00	FUSE A50QS75-4Y AC500V 75A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006455	1	\$10.00	CAPACITOR, DMPPTS3A225K, 1000V, 2.2uF	C3
C--800024	2	\$100.00	CAPACITOR LXN126 400V 2100uF 105C	C1,C2
ETX003651	1	\$85.00	PCB RESISTOR BOARD 230/460V 15-18kW	6PCB
POR003014	1	\$27.00	RELAY 25A 277V HE2AN-DC24V AHE2212	K1
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40151A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617164 REPLACES ALL SHOWN BELOW

ETP617162
ETP617163

HISTORY OF PCB CONTROL BOARD FOR F7*40151A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*40151A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*40151E & CIMR-F7*40151F

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U40181A	YASKAWA
CIMR-F7U40181E	YASKAWA
CIMR-F7U40181F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001318	1	\$500.00	TRANSISTOR IGBT 7MBI75SA-120B 1200V 75A	Q1
ETP617174	1	\$725.00	PCB POWER BOARD 4018 500-011-248	3,4,7PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID000605	1	\$120.00	DIODE MODULE DF100AA160 1600V 100A	D1
300-017-256	2	\$35.00	FAN MMF-08D24ES-AN7 4200RPM 160MA	B1,B2
FAN001043	1	\$36.00	FAN, D43M24-02A, DC24V	B3
FU-002038	1	\$36.00	FUSE A50QS75-4Y AC500V 75A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006455	1	\$10.00	CAPACITOR, DMPPTS3A225K, 1000V, 2.2uF	C3
C--800030	2	\$120.00	CAPACITOR LXN132 400V 2800uF 105C	C1,C2
ETX003651	1	\$85.00	PCB RESISTOR BOARD 230/460V 15-18kW	6PCB
POR003012	1	\$64.00	RELAY, W/MOUNTING BRACKET, 25A	K1
THS001063	1	\$6.00	THERMISTOR 151-203-77010	RT1
UCN00003-1	1	\$23.00	RIBBON CABLE 60 PIN L=150MM WRMT41077-1	

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40181A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETP617174 REPLACES ALL SHOWN BELOW

ETP617172
ETP617173

HISTORY OF PCB CONTROL BOARD FOR F7*40181A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*40181A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

9/5/2006

REV 1

SP.F7.01

F7

460V

39.0/ 40.0 AMPS

**HISTORY OF PCB CONTROL BOARD FOR F7*40181E & CIMR-F7*40181F
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW**

ETC618390-S3010

ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U40221A	YASKAWA
CIMR-F7U40221E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-962	1	\$550.00	IGBT CM100TU-24F 1200V 100A 6IN1 ROHS	Q1
ETC617141	1	\$750.00	PCB GATE DRIVE 460V 22KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003112	2	\$110.00	DIODE, PT76S16A, 1600V, 75A	D1,D2
300-002-496	2	\$38.00	FAN MMF-09C24TS-YN4 300-002-496	B1,B2
FU-002038	1	\$36.00	FUSE A50QS75-4Y AC500V 75A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
300-001-875	1	\$41.00	RESISTOR 3.9OHM 60W 3.1G SMVK60W3.9OHMJ	R1
C--006067	2	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C4,C5
C--006500	1	\$13.00	CAPACITOR, DMPPTS3A335K, 1000VDC, 3.3uF	C3
C--800032	2	\$95.00	CAPACITOR RWYN105 400V 2300uF 85C	C1,C2
ETX003720	1	\$165.00	PCB, DCCT, 460V, 22kW	5PCB
POR003014	1	\$27.00	RELAY 25A 277V HE2AN-DC24V AHE2212	K1
R--010079	1	\$25.00	RESISTOR RMP1607Y0011-01 5W 30KOHM	R2
SID003127	1	\$6.00	DIODE, TLR146, LED, WHITE	D3
THS001035	1	\$8.00	THERMISTOR, PMP-342-Y1, 63.26K OHM	RT2
THS001065	1	\$7.00	THERMISTOR 151-203-77012	RT1
UCN00003-3	1	\$20.00	RIBBON CABLE 60 PIN L=200MM WRMT41077-3	
300-006-584	1	\$270.00	DC REACTOR UZDC-MG 63A 0.82MH	L1
XX-000228	6	\$2.00	VARISTOR, TNR14V911K330, 550V 5000A	XX1-6

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40221A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

HISTORY OF PCB GATE DRIVE BOARD FOR F7	
CURRENT VERSION ETC617141 REPLACES ALL SHOWN BELOW	
ETC617140	

HISTORY OF PCB CONTROL BOARD FOR F7*40221A	
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW	
ETC618130	

HISTORY OF PCB TERMINAL CARD FOR F7*40221A	
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW	
ETC618030-S2013	
ETC618030-S2014	
ETC618030-S2015	

9/5/2006

REV 1

SP.F7.01

F7

460V

45.0/ 50.4 AMPS

**HISTORY OF PCB CONTROL BOARD FOR F7*40221E & CIMR-F7*40221F
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW**

ETC618390-S3010

ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U40301A	YASKAWA
CIMR-F7U40301E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-962	1	\$550.00	IGBT CM100TU-24F 1200V 100A 6IN1 ROHS	Q1
ETC617151	1	\$775.00	PCB GATE DRIVE 460V 30KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003112	2	\$110.00	DIODE, PT76S16A, 1600V, 75A	D1,D2
300-002-496	2	\$38.00	FAN MMF-09C24TS-YN4 300-002-496	B1,B2
FU-002039	1	\$42.00	FUSE A50QS100-4Y AC500V 100A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
300-001-875	1	\$41.00	RESISTOR 3.9OHM 60W 3.1G SMVK60W3.9OHMJ	R1
C--006067	2	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C4,C5
C--006581	1	\$25.00	CAPACITOR DMPPTH3A335K 1000VDC 3.3uF	C3
C--800034	2	\$159.00	CAPACITOR RWYN107 400V 3500uF 85C	C1,C2
ETX003730	1	\$165.00	PCB, DCCT, 460V, 30kW	5PCB
POR003014	1	\$27.00	RELAY 25A 277V HE2AN-DC24V AHE2212	K1
R--010079	1	\$25.00	RESISTOR RMP1607Y0011-01 5W 30KOHM	R2
SID003127	1	\$6.00	DIODE, TLR146, LED, WHITE	D3
THS001035	1	\$8.00	THERMISTOR, PMP-342-Y1, 63.26K OHM	RT2
THS001065	1	\$7.00	THERMISTOR 151-203-77012	RT1
UCN00003-3	1	\$20.00	RIBBON CABLE 60 PIN L=200MM WRMT41077-3	
300-006-585	1	\$280.00	DC REACTOR UZDC-MG 77A 0.61MH	L1
XX-000228	6	\$2.00	VARISTOR, TNR14V911K330, 550V 5000A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40301A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617151 REPLACES ALL SHOWN BELOW

ETC617150

HISTORY OF PCB CONTROL BOARD FOR F7*40301A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*40301A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
 ETC618030-S2014
 ETC618030-S2015

9/5/2006

REV 1

SP.F7.01

F7

460V

60.0/ 67.2 AMPS

HISTORY OF PCB CONTROL BOARD FOR F7*40301E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010

ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U40371A	YASKAWA
CIMR-F7U40371E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-963	3	\$250.00	IGBT CM150DU-24F 1200V 150A 2IN1 ROHS	Q1-3
ETC617161	1	\$775.00	PCB GATE DRIVE 460V 37KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003112	2	\$110.00	DIODE, PT76S16A, 1600V, 75A	D1,D2
FAN001044	2	\$62.00	FAN,MMF-12D24DS-RN8,DC24V,8.64W,0.36A	B1,B2
FU-002040	1	\$72.00	FUSE A50QS150-4Y AC500V 150A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
300-001-874	1	\$42.00	RESISTOR 2.0OHM 60W 5.9G SMVK60W2.0OHMJ	R1
C--006067	2	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C8,C9
C--006500	3	\$14.00	CAPACITOR, DMPPTS3A335K, 1000VDC, 3.3uF	C5-7
C--800035	4	\$94.00	CAPACITOR RWYN108 400V 2100uF 85C	C1-4
ETX003740	1	\$165.00	PCB, DCCT, 460V, 37kW	5PCB
POR003014	2	\$27.00	RELAY 25A 277V HE2AN-DC24V AHE2212	K1,K2
R--010079	1	\$25.00	RESISTOR RMP1607Y0011-01 5W 30KOHM	R2
SID003127	1	\$6.00	DIODE, TLR146, LED, WHITE	D3
THS001036	1	\$9.00	THERMISTOR, PMP-342-Y2, 63.26K OHM	RT2
THS001064	1	\$6.00	THERMISTOR 151-203-77011	RT1
UCN00003-3	1	\$20.00	RIBBON CABLE 60 PIN L=200MM WRMT41077-3	
300-006-586	1	\$275.00	DC REACTOR UZDC-MG 94A 0.49MH	L1
XX-000228	6	\$2.00	VARISTOR, TNR14V911K330, 550V 5000A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40371A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617161 REPLACES ALL SHOWN BELOW

ETC617160

HISTORY OF PCB CONTROL BOARD FOR F7*40371A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*40371A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
 ETC618030-S2014
 ETC618030-S2015

9/5/2006

REV 1

SP.F7.01

F7

460V

75.0/ 77.0 AMPS

HISTORY OF PCB CONTROL BOARD FOR F7*40371E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010

ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U40451A	YASKAWA
CIMR-F7U40451E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-964	3	\$300.00	IGBT CM200DU-24F 1200V 200A 2IN1 ROHS	Q1-3
ETC617171	1	\$790.00	PCB GATE DRIVE 460V 45KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID000605	2	\$120.00	DIODE MODULE DF100AA160 1600V 100A	D1,D2
FAN001044	2	\$62.00	FAN,MMF-12D24DS-RN8,DC24V,8.64W,0.36A	B1,B2
FU-002040	1	\$72.00	FUSE A50QS150-4Y AC500V 150A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
300-001-874	1	\$42.00	RESISTOR 2.0OHM 60W 5.9G SMVK60W2.0OHMJ	R1
C--006067	2	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C8,C9
C--006500	3	\$14.00	CAPACITOR, DMPPTS3A335K, 1000VDC, 3.3uF	C5-7
C--800032	4	\$95.00	CAPACITOR RWYN105 400V 2300uF 85C	C1-4
ETX003700	1	\$165.00	PCB, DCCT, 230V 22kW, 460V 45kW	5PCB
POR003014	2	\$27.00	RELAY 25A 277V HE2AN-DC24V AHE2212	K1,K2
R--010079	1	\$25.00	RESISTOR RMP1607Y0011-01 5W 30KOHM	R2
SID003127	1	\$6.00	DIODE, TLR146, LED, WHITE	D3
THS001036	1	\$9.00	THERMISTOR, PMP-342-Y2, 63.26K OHM	RT2
THS001064	1	\$6.00	THERMISTOR 151-203-77011	RT1
UCN00003-3	1	\$20.00	RIBBON CABLE 60 PIN L=200MM WRMT41077-3	
300-006-587	1	\$295.00	DC REACTOR UZDC-MG 115A 0.4MH	L1
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40451A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617171 REPLACES ALL SHOWN BELOW

ETC617170

HISTORY OF PCB CONTROL BOARD FOR F7*40451A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*40451A

CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013

ETC618030-S2014

ETC618030-S2015

9/5/2006

REV 1

SP.F7.01

F7

460V

91.0/ 96.2 AMPS

HISTORY OF PCB CONTROL BOARD FOR F7*40451E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010

ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U40551A	YASKAWA
CIMR-F7U40551E	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-964	3	\$300.00	IGBT CM200DU-24F 1200V 200A 2IN1 ROHS	Q1-3
ETC617181	1	\$805.00	PCB GATE DRIVE 460V 55KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID000605	2	\$120.00	DIODE MODULE DF100AA160 1600V 100A	D1,D2
FAN001044	2	\$62.00	FAN,MMF-12D24DS-RN8,DC24V,8.64W,0.36A	B1,B2
FU-002101	1	\$96.00	FUSE, A70QS175-4,700V, 175A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
300-001-874	1	\$42.00	RESISTOR 2.0OHM 60W 5.9G SMVK60W2.0OHMJ	R1
C--006067	2	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C8,C9
C--006581	3	\$25.00	CAPACITOR DMPPTH3A335K 1000VDC 3.3uF	C5-7
C--800036	4	\$120.00	CAPACITOR RWYN109 400V 3000uF 85C	C1-4
ETX003710	1	\$165.00	PCB, DCCT, 230V 30kW, 460V 55kW	5PCB
POR003014	2	\$27.00	RELAY 25A 277V HE2AN-DC24V AHE2212	K1,K2
R--010079	1	\$25.00	RESISTOR RMP1607Y0011-01 5W 30KOHM	R2
SID003127	1	\$6.00	DIODE, TLR146, LED, WHITE	D3
THS001036	1	\$9.00	THERMISTOR, PMP-342-Y2, 63.26K OHM	RT2
THS001064	1	\$6.00	THERMISTOR 151-203-77011	RT1
UCN00003-3	1	\$20.00	RIBBON CABLE 60 PIN L=200MM WRMT41077-3	
300-006-588	1	\$326.00	DC REACTOR UZDC-MG 139A 0.33MH	L1
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40551A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7
CURRENT VERSION ETC617181 REPLACES ALL SHOWN BELOW
ETC617180

HISTORY OF PCB CONTROL BOARD FOR F7*40551A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW
ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*40551A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW
ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

9/5/2006

REV 1

SP.F7.01

F7

460V

112.0/ 125.0 AMPS

HISTORY OF PCB CONTROL BOARD FOR F7*40551E

CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010

ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U40750A	YASKAWA
CIMR-F7U40750E	YASKAWA
CIMR-F7U40750F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-965	3	\$380.00	IGBT CM300DU-24F 1200V 300A 2IN1 ROHS	Q1-3
ETC617190	1	\$850.00	PCB GATE DRIVE 460V F7 75kW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003117	2	\$260.00	DIODE MODULE PT200S16A V=1600V I=200A	D1,D2
FAN001052	2	\$130.00	FAN UT797C-TP(B13) 200-230V 2650-3100RPM	B1,B2
300-002-497	1	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B4
FU-002112	1	\$177.00	FUSE A70P300-4 AC700V 300A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006067	2	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C11,C12
C--006500	6	\$14.00	CAPACITOR, DMPPTS3A335K, 1000VDC, 3.3uF	C5,C10
C--006564	4	\$200.00	CAPACITOR 400LGSN4400MB-YHM6 400V 4400uF	C1-4
CPT020110	1	\$388.00	TRANSFORMER CPT020110 Y-000133 161.25VA	T1
CT-003191	3	\$106.00	DCCT HS-UD200V4B15G 4V/200AT	DCCT1-3
ETX003822	1	\$165.00	PCB TAP CHANGE CARD 460V 75-160kW	8PCB
MC-005066	1	\$129.00	CONTACTOR SC-N2S Z408 200V 190A	K1
300-009-057	2	\$27.00	RESISTOR SQHK40WX2 40W 10KOHM	R2,R3
R--010706	1	\$62.00	RESISTOR SMR120W153J 120W 15 KOHM	R6
THS001065	4	\$7.00	THERMISTOR 151-203-77012	RT1-4
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
URS000176	1	\$46.00	RESISTOR SMVK150W2.2OHMJ 300-001-879	R1
300-006-595	1	\$595.00	DC REACTOR UZDC-MG 190A 0.29MH	L1
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40750A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005054	1	\$187.00	CONTACTOR HI-50J1/11A230-V 200V 75A	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40750E

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005054	1	\$187.00	CONTACTOR HI-50J1/11A230-V 200V 75A	K1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617190 REPLACES ALL SHOWN BELOW

NONE

HISTORY OF PCB CONTROL BOARD FOR F7*40750A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*40750A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*40750E & CIMR-F7*40750F
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U40900A	YASKAWA
CIMR-F7U40900E	YASKAWA
CIMR-F7U40900F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-966	6	\$520.00	IGBT CM400HU-24F 1200V 400A 1IN1 ROHS	Q1-6
ETC617200	1	\$860.00	PCB GATE DRIVE 460V F7 90kW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003117	2	\$260.00	DIODE MODULE PT200S16A V=1600V I=200A	D1,D2
FAN001052	2	\$130.00	FAN UT797C-TP(B13) 200-230V 2650-3100RPM	B1,B2
300-002-497	1	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B4
FU-002113	1	\$186.00	FUSE A70P350-4 AC700V 350A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006067	2	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C11,C12
C--006500	6	\$14.00	CAPACITOR, DMPPTS3A335K, 1000VDC, 3.3uF	C5--10
C--006565	4	\$200.00	CAPACITOR 400LGSN4800MB-YHM6 400V 4800uF	C1-4
CPT020110	1	\$388.00	TRANSFORMER CPT020110 Y-000133 161.25VA	T1
CT-003192	3	\$106.00	DCCT HS-UD250V4B15G 4V/250AT	DCCT1-3
ETX003822	1	\$165.00	PCB TAP CHANGE CARD 460V 75-160kW	8PCB
MC-005067	1	\$150.00	CONTACTOR SC-N3 Z408 200V 238A	K1
300-009-057	2	\$27.00	RESISTOR SQHK40WX2 40W 10KOHM	R2,R3
R--010706	1	\$62.00	RESISTOR SMR120W153J 120W 15 KOHM	R6
THS001065	4	\$7.00	THERMISTOR 151-203-77012	RT1-4
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
URS000176	1	\$46.00	RESISTOR SMVK150W2.2OHMJ 300-001-879	R1
300-006-596	1	\$600.00	DC REACTOR UZDC-MG 228A 0.22MH	L1
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40900A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005055	1	\$238.00	CONTACTOR HI-65J1/11A230-V 200V 100A	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*40900E

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005055	1	\$238.00	CONTACTOR HI-65J1/11A230-V 200V 100A	K1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617200 REPLACES ALL SHOWN BELOW

NONE

**HISTORY OF PCB CONTROL BOARD FOR F7*40900A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW**

ETC618130

**HISTORY OF PCB TERMINAL CARD FOR F7*40900A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW**

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

**HISTORY OF PCB CONTROL BOARD FOR F7*40900E & CIMR-F7*40900F
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW**

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U41100A	YASKAWA
CIMR-F7U41100E	YASKAWA
CIMR-F7U41100F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-966	6	\$520.00	IGBT CM400HU-24F 1200V 400A 1IN1 ROHS	Q1-6
ETC617210	1	\$875.00	PCB GATE DRIVE 460V F7 110kW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003109	6	\$78.00	DIODE MODULE PD6016A 1600V 60A 2IN1	D1-6
FAN001056	2	\$174.00	FAN U7556KX-TPAC220V 50/60HZ 230V 43/40W	B1,2
300-002-497	1	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B4
FU-002114	1	\$225.00	FUSE A70P450-4 AC700V 450A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006067	6	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C13-18
C--006500	6	\$14.00	CAPACITOR, DMPPTS3A335K, 1000VDC, 3.3uF	C7-12
C--006566	6	\$279.00	400LGSN3900MB-YH 400V 3900uF	C1-6
CPT020110	1	\$388.00	TRANSFORMER CPT020110 Y-000133 161.25VA	T1
CT-003193	3	\$106.00	DCCT HS-UD300V4B15G 4V/300AT	DCCT1-3
ETX003822	1	\$165.00	PCB TAP CHANGE CARD 460V 75-160kW	8PCB
MC-005067	1	\$150.00	CONTACTOR SC-N3 Z408 200V 238A	K1
300-009-057	2	\$27.00	RESISTOR SQHK40WX2 40W 10KOHM	R2,R3
R--010706	1	\$62.00	RESISTOR SMR120W153J 120W 15 KOHM	R6
THS001066	1	\$7.00	THERMISTOR 151-203-77013	RT3
THS001067	1	\$7.00	THERMISTOR 151-203-77014	RT2
THS001068	2	\$8.00	THERMISTOR 151-203-77015	RT1,4
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
URS000176	1	\$46.00	RESISTOR SMVK150W2.2OHMJ 300-001-879	R1
300-006-597	2	\$550.00	DC REACTOR UZDC-MG 140A 0.38MH	L1,L2
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*41100A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005055	1	\$238.00	CONTACTOR HI-65J1/11A230-V 200V 100A	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*41100E				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005055	1	\$238.00	CONTACTOR HI-65J1/11A230-V 200V 100A	K1

HISTORY OF PCB GATE DRIVE BOARD FOR F7	
CURRENT VERSION ETC617210 REPLACES ALL SHOWN BELOW	
NONE	

**HISTORY OF PCB CONTROL BOARD FOR F7*41100A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW**

ETC618130

**HISTORY OF PCB TERMINAL CARD FOR F7*41100A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW**

**ETC618030-S2013
ETC618030-S2014
ETC618030-S2015**

**HISTORY OF PCB CONTROL BOARD FOR F7*41100E & CIMR-F7*41100F
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW**

**ETC618390-S3010
ETC618391-S3010**

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U41320A	YASKAWA
CIMR-F7U41320E	YASKAWA
CIMR-F7U41320F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-968	6	\$600.00	IGBT CM600HU-24F 1200V 600A 1IN1 ROHS	Q1-6
ETC617220	1	\$900.00	PCB GATE DRIVE 460V F7 132kW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003118	6	\$120.00	DIODE MODULE PD10016A V=1600V I=100A	D1-6
FAN001056	2	\$174.00	FAN U7556KX-TPAC220V 50/60HZ 230V 43/40W	B1,B2
300-002-497	1	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B4
FU-000894	1	\$230.00	FUSE A70P500-4 AC700V 500A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006067	6	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C13-18
C--006500	6	\$14.00	CAPACITOR, DMPPTS3A335K, 1000VDC, 3.3uF	C7-12
C--006565	6	\$200.00	CAPACITOR 400LGSN4800MB-YHM6 400V 4800uF	C1-6
CPT020110	1	\$388.00	TRANSFORMER CPT020110 Y-000133 161.25VA	T1
CT-003194	3	\$106.00	DCCT HS-UD400V4B15G 4V/400AT	DCCT1-3
ETX003822	1	\$165.00	PCB TAP CHANGE CARD 460V 75-160kW	8PCB
MC-005068	1	\$190.00	CONTACTOR SC-N4 Z408 200V 299A	K1
300-009-057	3	\$27.00	RESISTOR SQHK40WX2 40W 10KOHM	R2-4
R--010706	1	\$62.00	RESISTOR SMR120W153J 120W 15 KOHM	R7
THS001066	1	\$7.00	THERMISTOR 151-203-77013	RT3
THS001067	1	\$7.00	THERMISTOR 151-203-77014	RT2
THS001068	2	\$8.00	THERMISTOR 151-203-77015	RT1,4
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
URS000176	1	\$46.00	RESISTOR SMVK150W2.2OHMJ 300-001-879	R1
300-006-598	2	\$600.00	DC REACTOR UZDC-MG 168A 0.32MH FOR 2P	L1,L2
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*41320A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005056	1	\$399.00	CONTACTOR HI-80JN1/22A230-V 200V 135A	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*41320E				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005056	1	\$399.00	CONTACTOR HI-80JN1/22A230-V 200V 135A	K1

HISTORY OF PCB GATE DRIVE BOARD FOR F7				
CURRENT VERSION ETC617220 REPLACES ALL SHOWN BELOW				
NONE				

HISTORY OF PCB CONTROL BOARD FOR F7*41320A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*41320A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*41320E & CIMR-F7*41320F
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U41600A	YASKAWA
CIMR-F7U41600E	YASKAWA
CIMR-F7U41600F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
300-018-968	6	\$600.00	IGBT CM600HU-24F 1200V 600A 1IN1 ROHS	Q1-6
ETC617230	1	\$925.00	PCB GATE DRIVE 460V F7 160kW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003119	6	\$260.00	DIODE MODULE PD20116 V=1600V I=200A 2IN1	D1-6
FAN001056	2	\$174.00	FAN U7556KX-TPAC220V 50/60HZ 230V 43/40W	B1,B2
300-002-497	1	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B4
FU-000895	1	\$300.00	FUSE A70P700-4 AC700V 700A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006067	6	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C16-21
C--006581	9	\$25.00	CAPACITOR DMPPTH3A335K 1000VDC 3.3uF	C7-15
C--006567	6	\$300.00	CAPACITOR 400LGSN6700M-YHM6 400V 6700uF	C1-6
CPT020110	1	\$388.00	TRANSFORMER CPT020110 Y-000133 161.25VA	T1
CT-003195	3	\$106.00	DCCT HS-UD500V4B15G 4V/500AT	DCCT1-3
ETX003822	1	\$165.00	PCB TAP CHANGE CARD 460V 75-160kW	8PCB
MC-005069	1	\$345.00	CONTACTOR SC-N5 Z408 200V 380A	K1
300-009-057	3	\$27.00	RESISTOR SQHK40WX2 40W 10KOHM	R2-4
R--010706	1	\$62.00	RESISTOR SMR120W153J 120W 15 KOHM	R7
THS001066	4	\$7.00	THERMISTOR 151-203-77013	RT1-4
UCN00003-8	1	\$20.00	RIBBON CABLE 60 PIN L=125MM WRMT41077-8	
URS000177	1	\$67.00	RESISTOR SMVK250W2.7OHMJ 300-001-880	R1
300-006-599	2	\$600.00	DC REACTOR UZDC-MG 203A 0.28MH FOR 2P	L1,L2
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*41600A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
MC-005057	1	\$479.00	CONTACTOR HI-125JN1/22A230-V 200V 150A	K1
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*41600E				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
MC-005057	1	\$479.00	CONTACTOR HI-125JN1/22A230-V 200V 150A	K1

HISTORY OF PCB GATE DRIVE BOARD FOR F7				
CURRENT VERSION ETC617230 REPLACES ALL SHOWN BELOW				
NONE				

HISTORY OF PCB CONTROL BOARD FOR F7*41600A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

HISTORY OF PCB TERMINAL CARD FOR F7*41600A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

HISTORY OF PCB CONTROL BOARD FOR F7*41600E & CIMR-F7*41600F
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS	
CIMR-F7U41850A	YASKAWA
CIMR-F7U41850E	YASKAWA
CIMR-F7U41850F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001339	12	\$420.00	IGBT MODULE CM400HU-24F 1200V 400A 1IN1	Q1-12
ETC617240	1	\$975.00	PCB GATE DRIVE 460V F7 185KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003119	6	\$260.00	DIODE MODULE PD20116 V=1600V I=200A 2IN1	D1-6
FAN001056	4	\$174.00	FAN U7556KX-TPAC220V 50/60HZ 230V 43/40W	B1-4
300-002-497	2	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B6,B7
FU-000895	1	\$300.00	FUSE A70P700-4 AC700V 700A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006067	6	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C50-55
C--006514	12	\$25.00	CAPACITOR DMPPTS3A105K 1000VDC 1.0uF	C13-24
C--006597	12	\$200.00	CAPACITOR 400LGSN4500MBF13-YHM6	C1-12
CPT020111	1	\$634.00	TRANSFORMER AC 230V 460V/60HZ	T1
CT-003195	3	\$106.00	DCCT HS-UD500V4B15G 4V/500AT	DCCT1-3
ETX003830	1	\$165.00	POWER SUPPLY PCB E7/F7	8PCB
MC-005063	1	\$594.00	CONTACTOR SC-N7	K1
300-009-057	4	\$27.00	RESISTOR SQHK40WX2 40W 10KOHM	R2-5
R--010706	1	\$62.00	RESISTOR SMR120W153J 120W 15 KOHM	R6
R--007157	6	\$44.00	RESISTOR, 90W 10 OHM	R7-12
SID003157	4	\$233.00	DIODEMS1250D225PA2	SM1,2,5,6
SID003157	2	\$233.00	DIODEMS1250D225PA2	SM9,10
SID003158	4	\$233.00	DIODE MS1250D225NA2	SM3,4,7,8
SID003158	2	\$233.00	DIODE MS1250D225NA2	SM11,12
THS001069	3	\$12.00	THERMISTOR RT2, 3, 5 151-203-44016 THMS	RT2,3,5
THS001072	2	\$19.00	THERMISTOR RT1, 4 151-203-77019 THMS	RT1,4
URS000177	1	\$67.00	RESISTOR SMVK250W2.7OHMJ 300-001-880	R1
X--010206	1	\$1,777.00	DC REACTOR UZDC-B REAC 507A	L1
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

EXCEPTION				
THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*41850A				
	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7	
CURRENT VERSION ETC617240 REPLACES ALL SHOWN BELOW	
NONE	

HISTORY OF PCB CONTROL BOARD FOR F7*41850A	
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW	
ETC618130	

**HISTORY OF PCB TERMINAL CARD FOR F7*41850A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW**

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

**HISTORY OF PCB CONTROL BOARD FOR F7*41850E & CIMR-F7*41850F
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW**

ETC618390-S3010
ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U42200A	YASKAWA
CIMR-F7U42200E	YASKAWA
CIMR-F7U42200F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001341	12	\$640.00	IGBT MODULE CM600HU-24F 1200V 600A 1IN1	Q1-12
ETC617250	1	\$1,025.00	PCB GATE DRIVE 460V F7 220KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003131	6	\$450.00	DIODE MODULE PD25016 V=1600V I=250A 1IN1	D1-6
FAN001056	4	\$174.00	FAN U7556KX-TPAC220V 50/60HZ 230V 43/40W	B1-4
300-002-497	2	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B6,B7
FU-002116	1	\$550.00	FUSE A70P900-4 AC700V 900A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--006067	6	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 0.1UF	C50-55
C--006569	12	\$349.00	400LGSN5400MB-YHM6 400V 5400UF + - 20%	C1-12
CPT020111	1	\$634.00	TRANSFORMER AC 230V 460V/60HZ	T1
CT-003255	3	\$360.00	DCCT HC-MSL720V4B15JH 4V 720A	DCCT1-3
ETX003830	1	\$165.00	POWER SUPPLY PCB E7/F7	8PCB
MC-005064	1	\$1,019.00	MC CONTACTOR SC-N10 260A	K1
300-009-057	4	\$27.00	RESISTOR SQHK40WX2 40W 10KOHM	R2-5
R--010829	2	\$82.00	Resistor SMRK220W602J G7	R6,R7
R--007157	6	\$44.00	RESISTOR, 90W 10 OHM	R8-13
R--010699	1	\$100.00	RESISTOR RGHS400LSY3.30HMJ-L300 400W	R1
SID003157	4	\$233.00	DIODEMS1250D225PA2	SM1,2,5,6
SID003157	2	\$233.00	DIODEMS1250D225PA2	SM9,10
SID003158	4	\$233.00	DIODE MS1250D225NA2	SM3,4,7,8
SID003158	2	\$233.00	DIODE MS1250D225NA2	SM11,12
THS001069	3	\$12.00	THERMISTOR RT2, 3, 5 151-203-44016 THMS	RT2,3,5
THS001072	2	\$19.00	THERMISTOR RT1, 4 151-203-77019 THMS	RT1,4
X--010207	1	\$2,057.00	DC REACTOR UZDC-B REAC 633A	L1
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*42200A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617250 REPLACES ALL SHOWN BELOW

NONE

HISTORY OF PCB CONTROL BOARD FOR F7*42200A

CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW

ETC618130

9/5/2006 REV 1

SP.F7.01

F7

F7 480V 460V

506.0/ 515.0 AMPS

304.0/304.0 AMPS

**HISTORY OF PCB TERMINAL CARD FOR F7*42200A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW**

ETC618030-S2013

ETC618030-S2014

ETC618030-S2015

**HISTORY OF PCB CONTROL BOARD FOR F7*42200E & CIMR-F7*42200F
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW**

ETC618390-S3010

ETC618391-S3010

PARTS FOR THE FOLLOWING MODELS

CIMR-F7U43000A	YASKAWA
CIMR-F7U43000E	YASKAWA
CIMR-F7U43000F	YASKAWA

PARTS FOR ALL MODELS, EXCEPT IF SHOWN BELOW

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
STR001342	12	\$1,500.00	IGBT MODULE CM1000HA-24H 1200V 1000A 1IN1	Q1-12
ETC617260	1	\$1,050.00	PCB GATE DRIVE 460V F7 300KW	3PCB
ETC618410	1	\$165.00	PCB, TERMINAL CARD, F7, 230/460V	2PCB
ETC618391-S3020	1	\$398.00	PCB CONTROL F7+ 230V/460V 500-002-846	1PCB
SID003119	12	\$260.00	DIODE MODULE PD20116 V=1600V I=200A 2IN1	D1-12
FAN001082	5	\$605.00	FAN U6250MK-TPAC220-230V 50/60HZ W/CAP	B1-5
300-002-497	2	\$38.00	FAN MMF-09C24TS-YM4 300-002-497	B6,B7
FU-002117	1	\$800.00	FUSE A70P1200-4 AC700V 1200A	F1
300-016-999	1	\$165.00	DIG OPERATOR JVOP-160 LCD 300-016-999	OPE1
C--003017	36	\$3.00	CAPACITOR DEHR33D472KA4B 2KV 4700PF	C29-64
C--006067	12	\$2.00	CAPACITOR DFDA3A104K-F7LS 1000V 1UF	C60-71
C--006500	12	\$14.00	CAPACITOR DMPPTS3A335K 1000VDC 3.3UF	C17-28
C--006569	16	\$349.00	CAPACITOR 400LGSN5400MB-YHM6 400V 5400UF	C1-16
C--006778	5	\$35.00	CAPACITOR CMPS45B105UXF 450VAC 1 OUF	C77-81
CPT020111	1	\$634.00	TRANSFORMER AC 230V 460V/60HZ	T1
CT-003256	3	\$385.00	DCCT HC-MSLE10V4B15JT 4V/1000AT	DCCT1-3
ETX003830	1	\$165.00	POWER SUPPLY PCB E7/F7	8PCB
MC-005065	1	\$975.00	MC CONTACTOR SC-N11 350 A	K1
300-009-057	4	\$27.00	RESISTOR SQHK40WX2 40W 10KOHM	R2-5
R--010829	2	\$82.00	Resistor SMRK220W602J G7	R6,R7
R--007157	12	\$44.00	RESISTOR, 90W 10 OHM	R8-19
R--010699	1	\$100.00	RESISTOR RGHS400LSY3.30HMJ-L300 400W	R1
SID003168	3	\$621.00	SNUBBER MODULE MS1460E605P 60A 6 OUF 140V	SM1,2,5
SID003168	3	\$621.00	SNUBBER MODULE MS1460E605P 60A 6 OUF 140V	SM6,9,10
SID003169	3	\$621.00	SNUBBER MODULE MS1460E605N 60A 6 OUF 140V	SM3,4,11
SID003169	6	\$621.00	SNUBBER MODULE MS1460E605N 60A 6 OUF 140V	SM7,8,12
THS001069	1	\$12.00	THERMISTOR RT2, 3, 5 151-203-44016 THMS	RT3
THS001072	4	\$19.00	THERMISTOR RT1, 4 151-203-77019 THMS	RT1,2,4,5
X--010208	1	\$2,330.00	DC REACTOR UZDC-B 798A	L1
XX-000220	6	\$4.00	VARISTOR, TNR20V911K382, 910V, 7500A	XX1-6

EXCEPTION

THESE PARTS ARE DIFFERENT FOR MODEL CIMR-F7*43000A

	QTY	PRICE EA.	DESCRIPTION	REFERENCE
ETC618031-S2015	1	\$398.00	PCB CONTROL F7 230V/460V	1PCB
ETC618131	1	\$165.00	PCB TERMINAL CARD F7 230/460V	2PCB
300-002-864	1	\$165.00	DIGITAL OPERATOR LED JVOP-161	OPE1

HISTORY OF PCB GATE DRIVE BOARD FOR F7

CURRENT VERSION ETC617260 REPLACES ALL SHOWN BELOW

NONE

**HISTORY OF PCB CONTROL BOARD FOR F7*43000A
CURRENT VERSION ETC618131 REPLACES ALL SHOWN BELOW**

ETC618130

**HISTORY OF PCB TERMINAL CARD FOR F7*43000A
CURRENT VERSION ETC618031-S2015 REPLACES ALL SHOWN BELOW**

ETC618030-S2013
ETC618030-S2014
ETC618030-S2015

**HISTORY OF PCB CONTROL BOARD FOR F7*43000E & CIMR-F7*43000F
CURRENT VERSION ETC618391-S3020 REPLACES ALL SHOWN BELOW**

ETC618390-S3010
ETC618391-S3010