# **LRVF** Controller

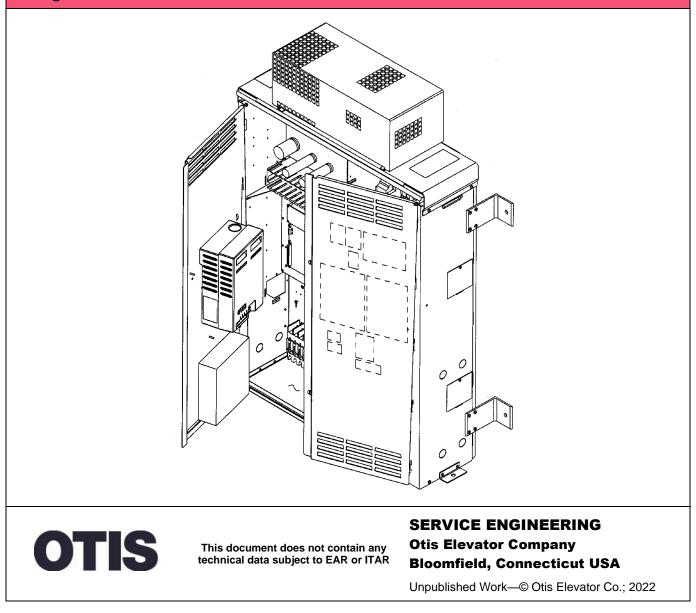
**Spare Parts Leaflet** 

# 10-AAA21290CF

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# **OBSOLESCENCE NOTICE**

The product covered in this SPL has been designated as obsolete and is no longer supported. See TIP 32.2-1, Obsolete Components, for potential upgrade. Replacement lower-level parts listed within and unique to this design will be reviewed for obsolescence.



# History

## **Leaflet Description**

This leaflet list the lowest replaceable units (LRUs) for the Low Rise Variable Frequency (LRVF) controller.

#### **Leaflet Revisions**

Date Revised	Subject Matter Expert	Reason for Revision
January 31, 2002	Christopher Koenig	New SPL
March 25, 2002	Christopher Koenig	Updated Part Numbers ACA26800YA1 and ACA26800YA2
December 6, 2007	Christopher Koenig	Updated views and part numbers: pp 6, 7, 11, and 12
October 24, 2012	Anh Pham	Updated parts list; Added pp. 15–17
September 21, 2022	Juan Murillo	Updated to include OBSOLESCENCE note on cover

#### **Related Drawings**

Drawing No.	Title	Drawing No.	Title
AAA21290CF	Assembly and arrangement for LRVF controller	ACA26800YK	211 Power Supply Subsystem
AAA21305BP	UCM Adder Box		

#### **Related Documents**

Document ID	Title

#### **Subject Matter Expert**

Name	Department
Anh Pham	OSC Service Engineering

#### **About Spare Parts Leaflets...**

This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

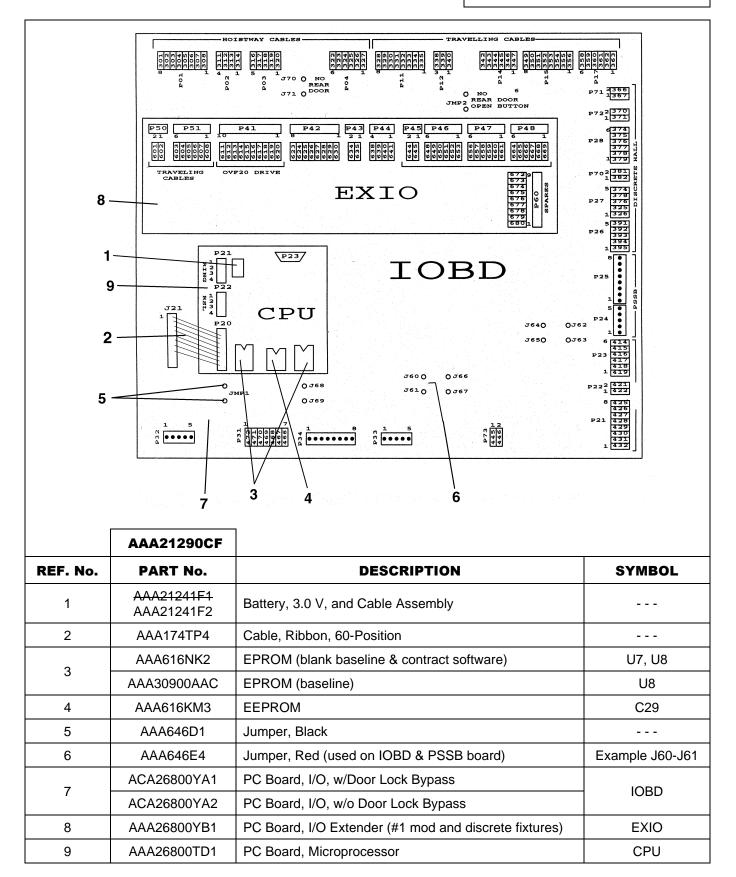
While goal of this document is to make parts identification as easy as possible, the document cannot be allinclusive. Elevator and escalator contracts classified as "special" or "custom" are not addressed here. For such contracts, please refer to specified information, the contract folder, TIPs, Field Education Articles, Construction Letters, etc. for further information.

If you have any suggestions about this document, please contact the subject matter expert listed on this page.

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## **CPU and I/O Boards**

#### 10-AAA21290CF



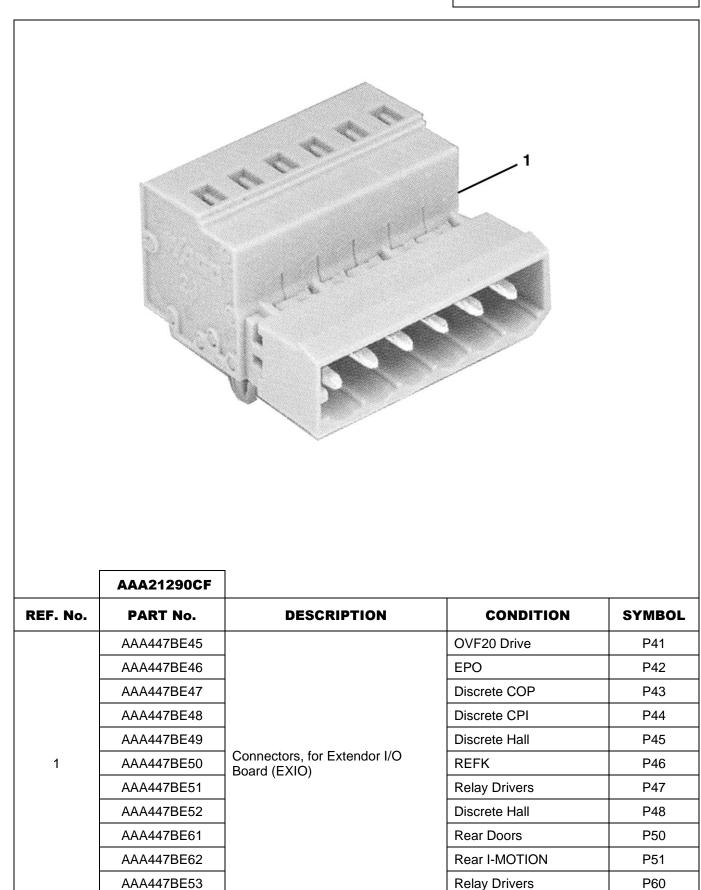
# **I/O Board Connectors**

n n n	AAA21290CF	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
REF. No.	PART No.	DESCRIPTION	CONDITION	SYMBOL
	AAA447BE1		Top Limits (Red)	P01
	AAA447BE2		Safety Chain (Red)	P02
	AAA447BE3		Door Link (Red)	P03
	AAA447BE4		Hall Fixtures (Brown)	P04
1	AAA447BE5	-	Position System (Brown)	P11
	AAA447BE58		Front Door Opening (Blue)	P12
	AAA447BE59		Inspection (Orange)	P14
	AAA447BE60		Front I-MOTION (Yellow)	P15
	AAA447BE9		Gate Switches (Red)	P17
	AAA447BE18	Connector, for I/O Board	OVF20 Drive (Red)	P21
	AAA447BE17	(IOBD)	OVF20 Drive (Red)	P22
	AAA447BE16		OVF20 Drive (Red)	P23
	AAA447BE15		Inspection (Brown)	P26
	AAA447BE14		Intercar Connection (Brown)	P27
2	AAA447BE12		Smoke Sensors (Brown)	P28
	AAA447BE20		Run Bug (Red)	P31
	AAA447BE13		Spare—MOD	P70
	AAA447BE10		Spare—MOD (Red)	P71
	AAA447BE11		Spare—MOD (Brown)	P72
	AAA447BE19		Spare—MOD (Red)	P73
3	AAA27BZ1 AAA27EF11	Tool, Wago Terminal Tool		
4	AAA447AP100 AAA27EF10	Tool, Wago Block Hook		

(Continued on next page)

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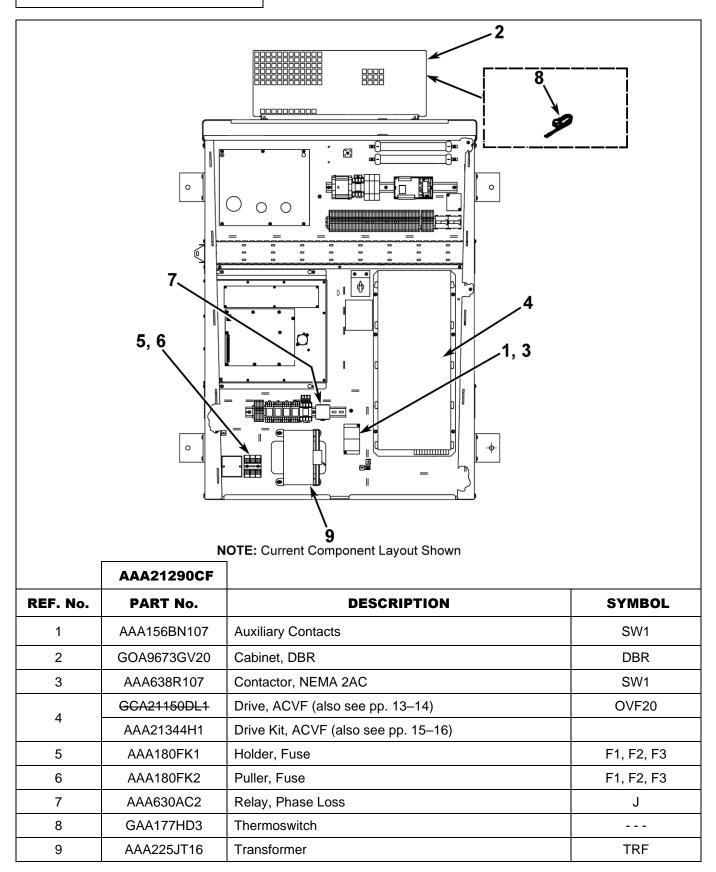
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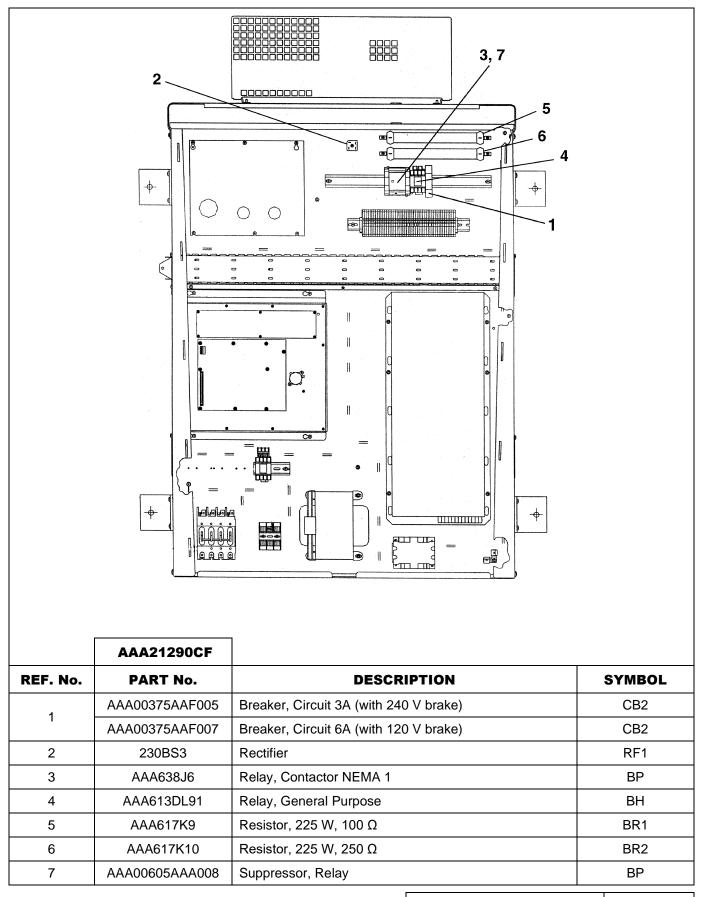
## **Drive and Related Parts**



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**Brake Circuit Hardware** 

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# **System Fuses**

$\begin{array}{ c c c c c c c c c c c c c c c c c c c$						
FUSE No.	AAA21290CF PART No.	ТҮРЕ	AMPS	VOLTS	BUSSMAN	LITTLE FUSE
F1, F2, F3	AAA375BK38	Time Delay Rejection	9	600	FNQ-R-9	KLDR 009
F14	AAA375BT14	Fast Acting Ceramic Body	15	250	ABC-15	
F17	AAA375CJ6	Time Delay	25	125	MDA-25	326 025
F9, F13	AAA375BR12					
		Glass Body Time	3		MDL-3	313 003
F23, F100	AAA375BR6	Delay	3 1		MDL-3 MDL-1	313 003 313 001
F23, F100 F5, F16	AAA375BR6 AAA375BT19					
			1		MDL-1	313 001
F5, F16	AAA375BT19		1 5		MDL-1 AGC-5	313 001 312 005
F5, F16 F6	AAA375BT19 AAA375BT24	Delay	1 5 0.5		MDL-1 AGC-5 AGC-1/2	313 001 312 005 312 500
F5, F16 F6 F7 F8, F24,	AAA375BT19 AAA375BT24 AAA375BT25		1 5 0.5 0.75	250	MDL-1 AGC-5 AGC-1/2 AGC-3/4	313 001 312 005 312 500 312.75
F5, F16 F6 F7 F8, F24, F25	AAA375BT19 AAA375BT24 AAA375BT25 AAA375BT27	Delay	1 5 0.5 0.75 2	250	MDL-1 AGC-5 AGC-1/2 AGC-3/4 AGC-2	313 001         312 005         312 500         312.75         312 002
F5, F16 F6 F7 F8, F24, F25 F10 F20, F21,	AAA375BT19 AAA375BT24 AAA375BT25 AAA375BT27 AAA375BT18	Delay	1 5 0.5 0.75 2 3	250	MDL-1 AGC-5 AGC-1/2 AGC-3/4 AGC-2 AGC-3	313 001 312 005 312 500 312.75 312 002 312 003
F5, F16 F6 F7 F8, F24, F25 F10 F20, F21, F26	AAA375BT19 AAA375BT24 AAA375BT25 AAA375BT27 AAA375BT27 AAA375BT18 AAA375BT28	Delay	1 5 0.5 0.75 2 3 4	250	MDL-1 AGC-5 AGC-1/2 AGC-3/4 AGC-2 AGC-3 AGC-4	313 001         312 005         312 500         312.75         312 002         312 003         312 004
F5, F16 F6 F7 F8, F24, F25 F10 F20, F21, F26 F12 F4, F15,	AAA375BT19 AAA375BT24 AAA375BT25 AAA375BT27 AAA375BT18 AAA375BT28 AAA375BT22	Delay Fast-Acting	1 5 0.5 0.75 2 3 4 0.125	250	MDL-1 AGC-5 AGC-1/2 AGC-3/4 AGC-2 AGC-3 AGC-3 AGC-4 AGC-1/8	313 001         312 005         312 500         312.75         312 002         312 003         312 004         312 125
F5, F16 F6 F7 F8, F24, F25 F10 F20, F21, F26 F12 F4, F15, F18, F19	AAA375BT19 AAA375BT24 AAA375BT25 AAA375BT27 AAA375BT18 AAA375BT28 AAA375BT22 AAA375BT22 AAA375BT32	Delay	1 5 0.5 0.75 2 3 4 0.125 10	250	MDL-1 AGC-5 AGC-1/2 AGC-3/4 AGC-2 AGC-3 AGC-3 AGC-4 AGC-1/8 AGC-10	313 001         312 005         312 500         312.75         312 002         312 003         312 004         312 125         312 010

# **Power Supply Hardware**

## 10-AAA21290CF

	AAA21290CF			
REF. No.	PART No.	DESC	RIPTION	SYMBOL
1	AAA618AF100	Clips, Relay		
2	ABA26800YK1 ACA26800YK1	PC Board, Power Supply Sub	system	PSSB
0.*	A A A A A A A A A A A A A A A A A A A	Relay, Ice Cube, 24 VDC,	Fire Service Relay to Cont. Hall Pos. Ind.	FSR
3*	AAA613CZ8	Mounted on PSSB	Switchover Relay Elevator Relays A, B, C, or D	SWR
4	AAA613CZ9	Relay, Ice Cube, 120 VAC (Mounted on ABA26800YK PSSB)	REM Power Transfer Relay for Elevators B, C, or D	RPTR
4	AAA613CZ24	Relay, Ice Cube, 110 VDC (mounted on ACA26800YK PSSB)		

\* Order two—one for each function.

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# Power Supply Hardware— Connectors

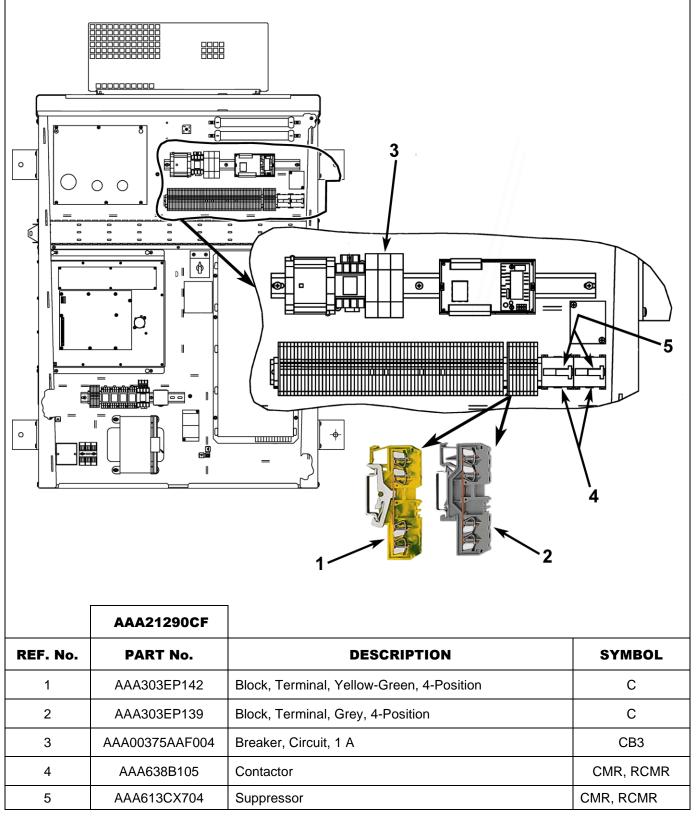
A A A	AAA21290CF			3
REF. No.	PART No.	DESCRIPTION	CONDITION	SYMBOL
	AAA447BE21		Hall	P101
	AAA447BE22		Intercar Connection	P130
	AAA447BE63		ТОС	P105
	AAA447BE64		Door Operator	P106
1	AAA447BE65		Front Only (YL) PC Board	P106
	AAA447BE66		Fan Light	P107
	AAA447BE37		LOS, LPS Sensors	P116
	AAA447BE39		Fan and Light	P113
	AAA447BE41		Controller Power	P127
	AAA447BE23		Hall/Group	P102
	AAA447BE24	Connectors, Power Supply	Card Reader	P103
	AAA447BE25	Board	Rope Governor	P104
	AAA447BE29		120 VAC Door Operator	P108
	AAA447BE30		56 VAC	P109
2	AAA447BE31		120 VAC HL	P110
۷	AAA447BE32		120 VDC HL	P111
	AAA447BE67		24 VDC	P112
	AAA447BE34		REM—Car A	P118
	AAA447BE35		REM—Car B, C, and D	P118
	AAA447BE40		Intercar Connection	P128
	AAA447BE42		Main Line Disconnect	P126
3	AAA447BE36		Transformer	P117

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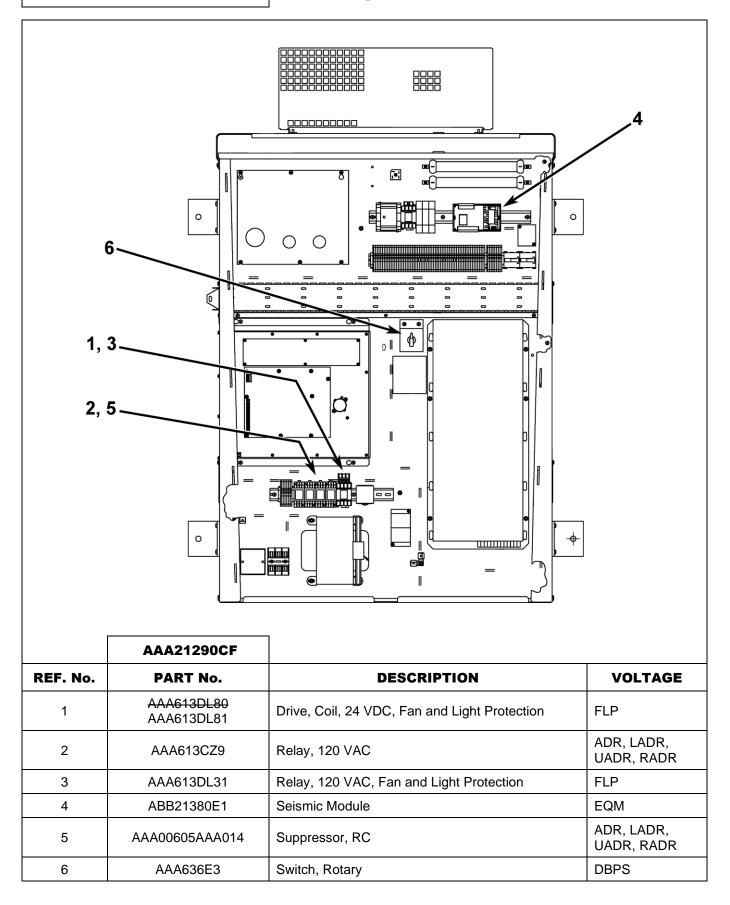
# **Relays and Terminal Blocks**

### 10-AAA21290CF



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## **Relays and Terminal Blocks**



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# **Drive Components** PDB GCA26800J... AAA21290CF **REF.** No. PART No. DESCRIPTION VOLTAGE GCA26800J500 Kit, Replacement, Power Supply Board 480 V 1 GDA26800J500

10-AAA21290CF

# **Drive Components**

REF. No.	PART No.	DESCRIPTION	
1	GCA26800H10 GDA26800H10	Board, Motion Control (MCB II)	
2	GO616BP6	EEPROM (blank)	
	GAA30158AAF021	EPROM (used for MCB II p/n GBA26800H1 & p/n GCA26800H1)	
1		EPROM (used for MCB II p/n GAA26800H1)	
3	GAA30150BAA1		
3	GAA30150BAA1 AAA616LX3 GAA616HK1	EPROM (blank)	

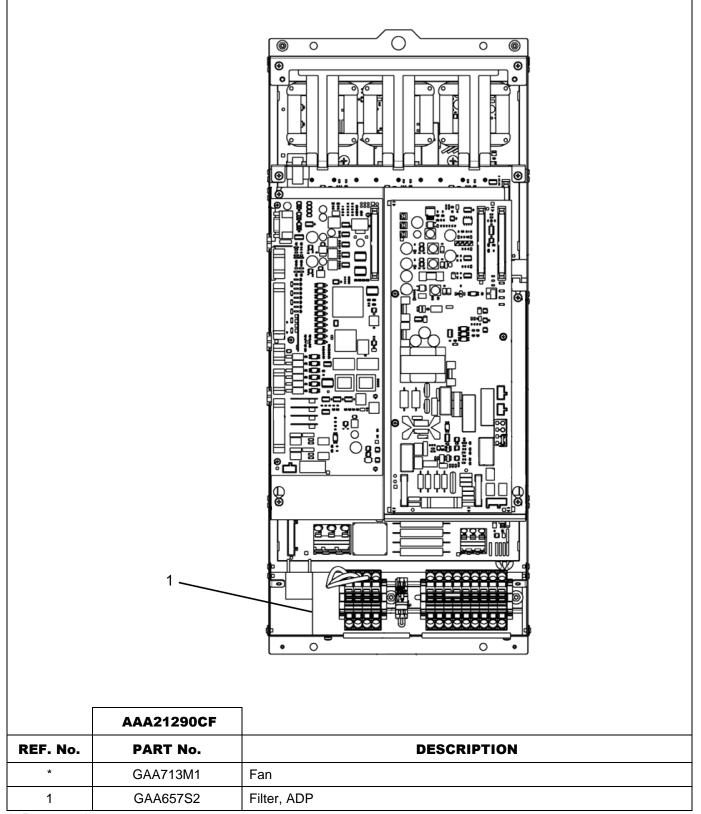
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# **Drive Components**

3		
	AAA21290CF	
REF. No.	PART No.	DESCRIPTION
1	GCA26800KV30	Board, Motion Control (MCB IIIx) w/o Flash Software. See NOTE
2	GBA26800KP2	Board, Power Drive (PDB II)
3	GAA616JB1	EEPROM (blank)
4	GAA30763BAF	Software (burn on GAA616FL2 chip), Latest Version Z24 and Z35 (see NOTE)

**NOTE:** The software (p/n GAA307063BAF, check for the latest version) must be ordered when ordering the motion control board (p/n GCA26800KV30).

# **Drive Components**



Part not shown.

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