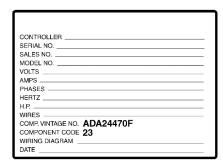
Door Operator HPLIM Center-Opening

Spare Parts Leaflet 23-AAA24470F

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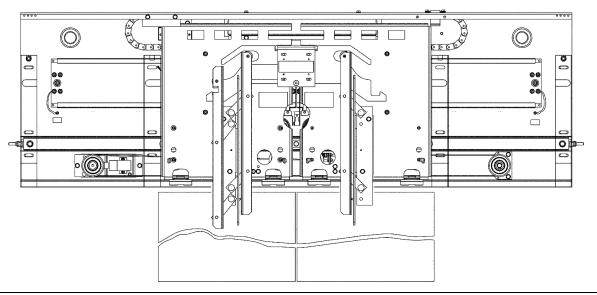
OBSOLESCENCE NOTICE

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 are not being restocked when depleted. Some of these parts, depending on availability and other factors, may be quoted through Customer Service, but most will have extended lead times and increased cost due to low volume production.



Vintages:

ADA24470F AEA24470F AEB24470F





This document does not contain any technical data subject to EAR or ITAR

SERVICE ENGINEERING
Otis Elevator Company
Bloomfield, Connecticut USA

Unpublished Work—© Otis Elevator Co.; 2020

History

Leaflet Description

The High Performance Linear Induction Motor (HPLIM) operator utilizes linear-induction motor technology and Closed-Loop control to deliver smooth, consistent door operation.

The ADA version of the A**24470F was the first production version HPLIM produced and is the earliest version HPLIM operator covered in this SPL. The first HPLIM units were shipped in the spring of 1998.

Linear (mechanical) motion of the doors is achieved by opposing magnetic forces produced electrically in the motor windings (primary) and copper (secondary). This operator mounts directly to the door hangers eliminating the need for door linkage transmission assemblies.

This leaflet describes the mechanical parts of the operator system.

NOTE: Some early version HPLIM operators carried a component tag, possibly referencing the ADA24350AM, as the vintage/tracking identity. If you have such an operator, use the vintage columns in this SPL identified with the ADA24470F vintage, when identifying/selecting spare parts.

Leaflet Revisions

Date Revised Subject Matter Expert		Reason for Revision	
June 1, 1998	Blair Cohen	New SPL	
August 22, 2002	Duane Stupienski	Update to present production parts	
October 14, 2002	Duane Stupienski	Part number corrections p. 8	
May 5, 2003 Jeffrey A. Smith		Corrected part number errors on p. 6	
May 2, 2018	Sohaib Shaikh	Updated descriptions in Ref. 1 and 2 on p. 9	
February 12, 2020	Sohaib Shaikh	Corrected part number in Ref. 2 on p. 9	
September 7, 2022	Juan Murillo	Added OBSOLESCENCE notice.	

Related Drawings

Drawing No.	Title	Drawing No.	Title
ADA24470F	Assembly, Cab Mount, HPLIM Center-Opening	AEB24350AM	Assembly Door Operator Center Opening HPLIM

Continued on next page

History (continued)

Related Documents

Document ID	Title	
F.E. 22.12-1	CD-ROM, HPLIM Overview, Installation, Adjusting and Troubleshooting	
TIP 22.12-2	Gate Switch Retrofit Kit	
TIP 22.12-3	Sync Link Retrofit Kit	
10-AAA24350AY	HPLIM Controller	
23-AAA24450D	HPLIM Operator, Single-Slide	
25-AAA23101J/K	Hoistway Entrance	
26-AAA23402L	Weight Closer	
27-AAA23400C	Techna-Lock	
20-AAA24591T	LAMBDA III Door Protection & Car Door Astragals	
SU18-100	Specified Order Form	

Subject Matter Expert

Name	Department
Sohaib Shaikh	OSC Service Engineering

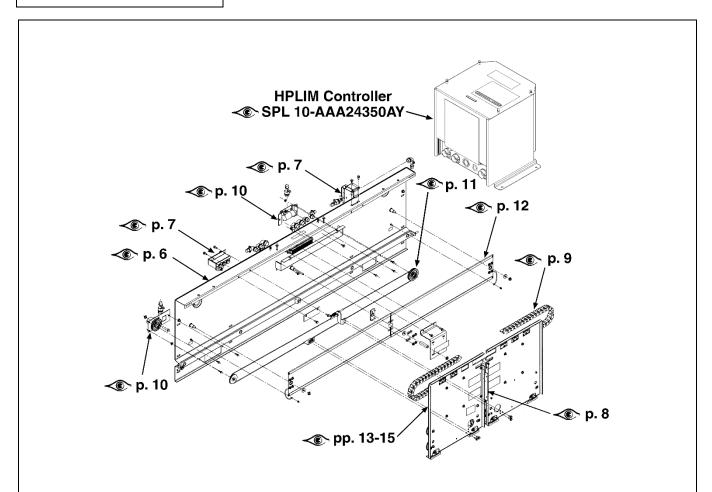
About Spare Parts Leaflets...

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 all-inclusive. 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.

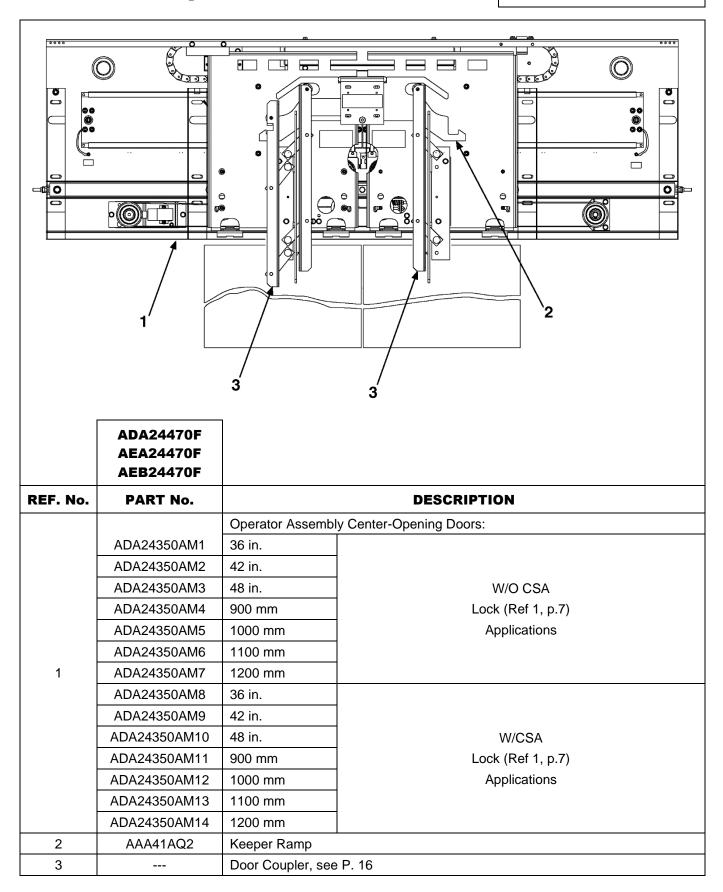
Table of Contents



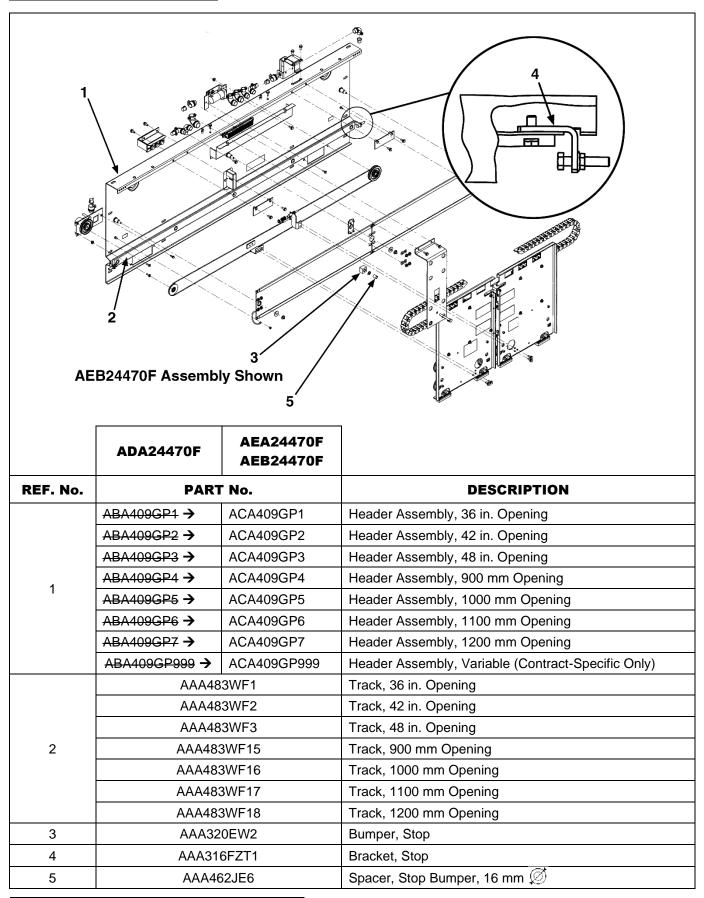
PAGE #	DESCRIPTION	
5	HPLIM Operator Assemblies	
6	HPLIM Header and Track Assembly	
7	HPLIM CSA Lock + Secondary Position System Junction Box	
8	Center-Opening Gate Switch	
9	HPLIM Conduit Cables	
10	HPLIM Sync-Link Encoder + Sync-Link Brake Parts	
11	HPLIM Aircord + Parts	
12	HPLIM Secondary Assembly	
13	HPLIM Motor Carriage Assembly	
14	A**6331CD Motor Carriage Parts, and Motor	
15	Hanger Bracket Assembly	
16	HPLIM Door Coupling	
17	Tools and Labels	

HPLIM Operator Assemblies

23-AAA24470F



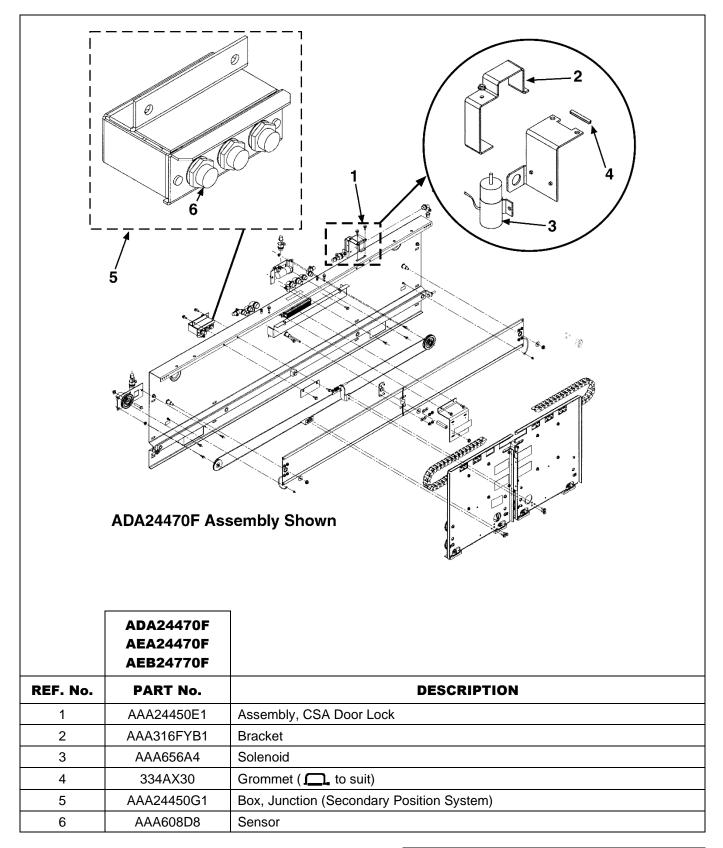
HPLIM Header and Track Assembly



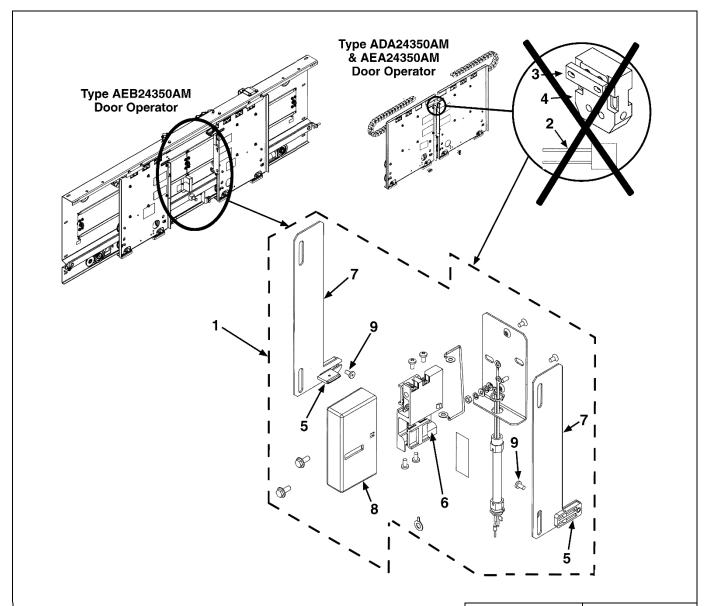
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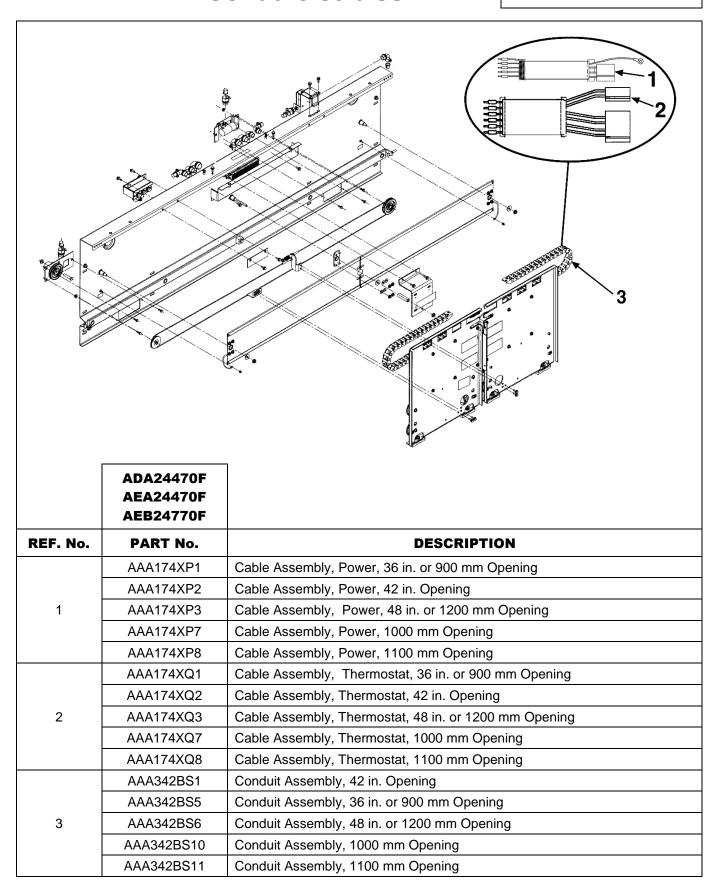
HPLIM CSA Lock + Secondary Position System Junction Box



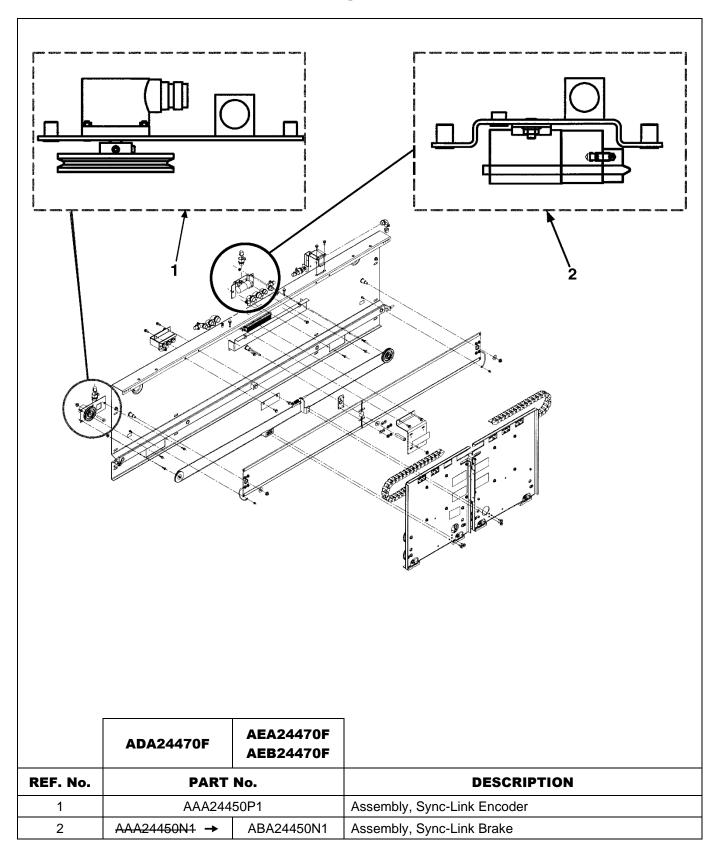
Center-Opening Gate Switch



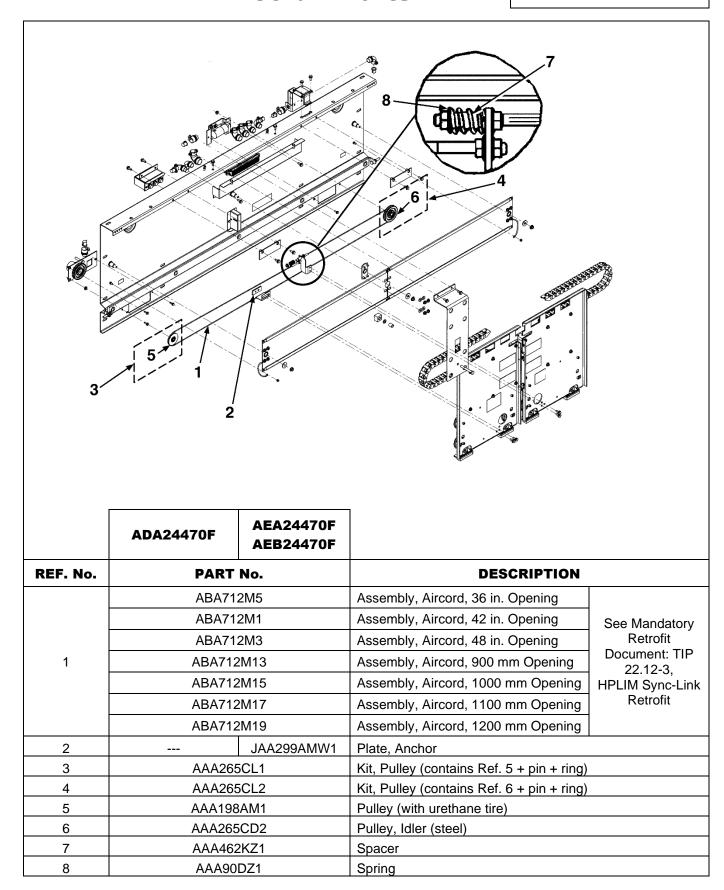
			ADA24470F AEA24470F	AEB24770F
REF. No.	DESCRIPTION		PART	Γ No.
1	Assembly, Gate Switch			
2	Assembly, Cable, Gate Switch	Mandatory Retrofit. See TIP 22.12-2, HPLIM Gate Switch Retrofit (for center-opening only)	AAA174XR1 →	JAA309AET1
3	Gate Switch, Bridge		AAA661B104 →	
4	Gate Switch, Contact Element		AAA661B100 →	
5	Assembly, Contact Bridge			JAA156ABF1
6	Assembly, Switch Base			JAA156ABG1
7	Bracket			JAA316GKP1
8	Cover			JAA285AVX1
9	Screw			JAA124ABD2



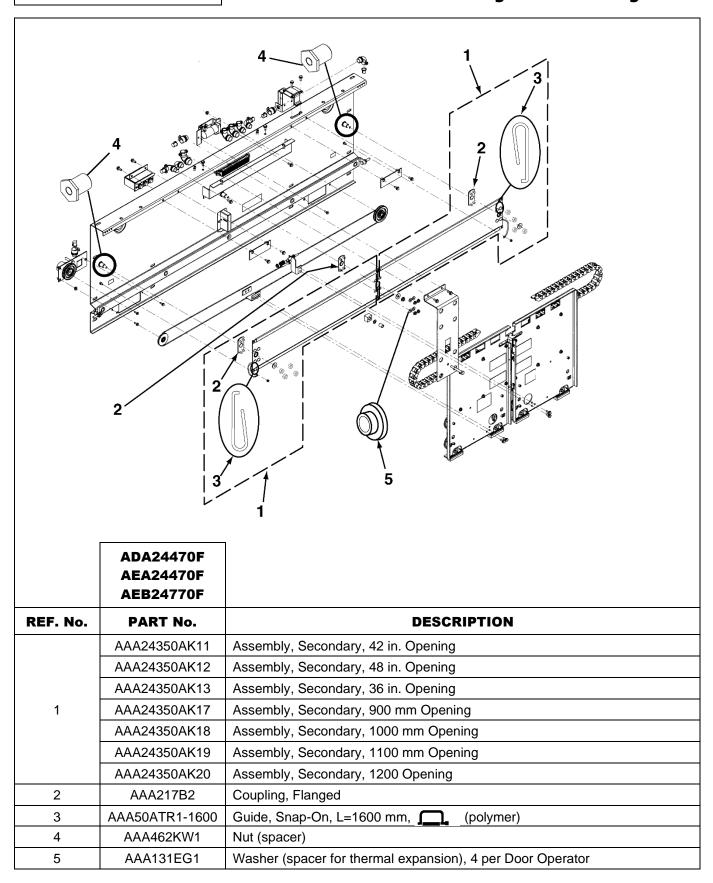
HPLIM Sync-Link Encoder + Sync-Link Brake Parts

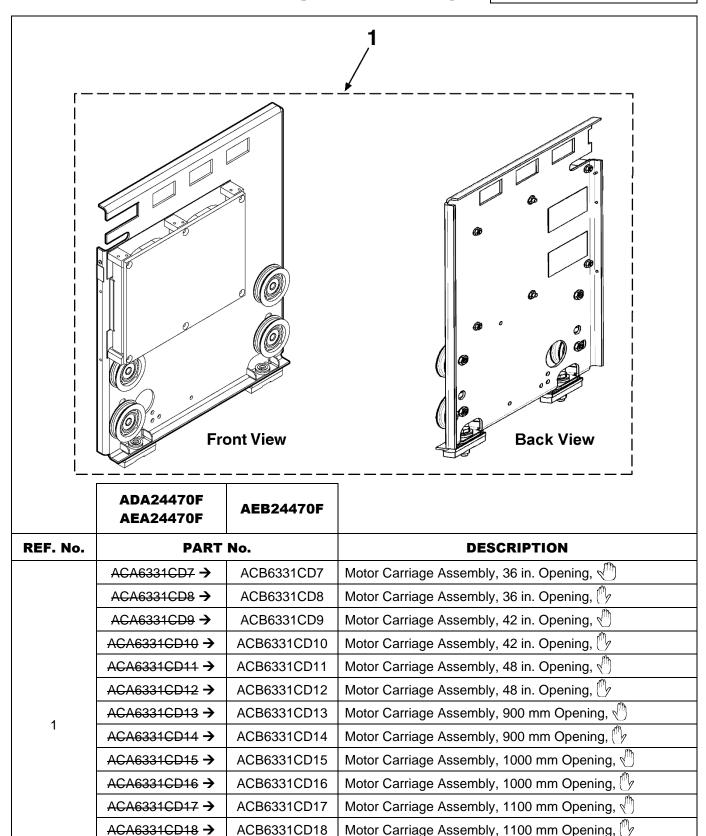


HPLIM Aircord + Parts



HPLIM Secondary Assembly





ACB6331CD19

ACB6331CD20

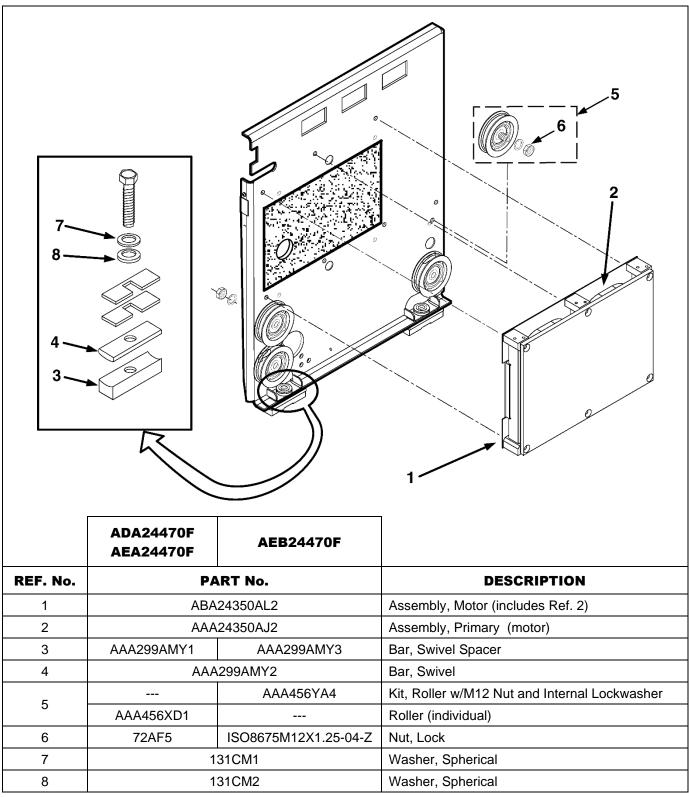
ACA6331CD19 →

ACA6331CD20 →

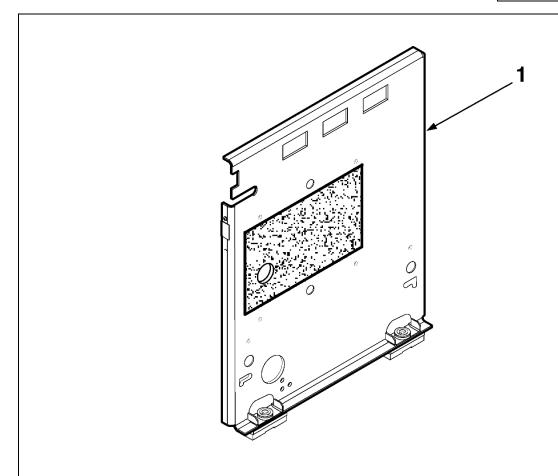
Motor Carriage Assembly, 1200 mm Opening,

Motor Carriage Assembly, 1200 mm Opening,

A**6331CD Motor Carriage Parts, and Motor



Continued on next page



	ADA24470F AEA24470F	AEB24470F		
REF. No.	PART No.		DESCRIPTION	
	AAA389AY7 →	ABA389AY7	Hanger Bracket, 36 in. Opening,	
	AAA389AY8 →	ABA389AY8	Hanger Bracket, 36 in. Opening,	
	AAA389AY9 →	ABA389AY9	Hanger Bracket, 42 in. Opening,	
	AAA389AY10 →	ABA389AY10	Hanger Bracket, 42 in. Opening, 🖔	
	AAA389AY11 →	ABA389AY11	Hanger Bracket, 48 in. Opening,	
	AAA389AY12 →	ABA389AY12	Hanger Bracket, 48 in. Opening,	
4	AAA389AY13 →	ABA389AY13	Hanger Bracket, 900 mm Opening,	
I	AAA389AY14 →	ABA389AY14	Hanger Bracket, 900 mm Opening, 🖑	
	AAA389AY15_ →	ABA389AY15	Hanger Bracket, 1000 mm Opening,	
	AAA389AY16 →	ABA389AY16	Hanger Bracket, 1000 mm Opening, 🖑	
	AAA389AY17 →	ABA389AY17	Hanger Bracket, 1100 mm Opening,	
	AAA389AY18 →	ABA389AY18	Hanger Bracket, 1100 mm Opening,	
	AAA389AY19 →	ABA389AY19	Hanger Bracket, 1200 mm Opening,	
	AAA389AY20 →	ABA389AY20	Hanger Bracket, 1200 mm Opening,	

HPLIM Door Coupling

