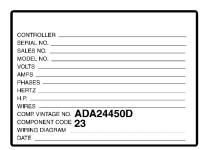
Door Operator HPLIM Single-Slide

Spare Parts Leaflet 23-AAA24450D

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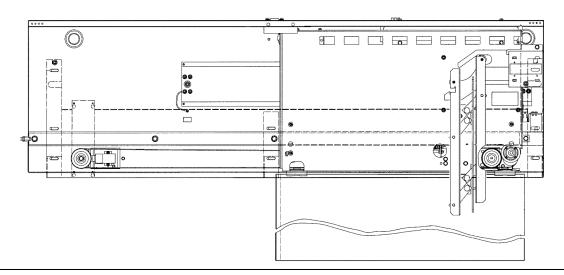
OBSOLESCENCE NOTICE

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:

ADA24450D AEA24450D AEB24450D





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Unpublished Work—© Otis Elevator Co.; 2022

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**24450D 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.

This leaflet describes the mechanical parts of the operator system.

NOTE: Some early version HPLIM operators carried a component tag, possibly referencing the ADA24350AN, as the vintage/tracking identity. If you have such an operator, use the vintage columns in this SPL identified with the ADA24450D 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
May 2, 2018	Sohaib Shaikh	Updated descriptions in Ref. 1 and 2 on p. 8
September 7, 2022		

Related Drawings

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

Related Documents

Itelated Boodinelits		
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, S/S	
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	

Continued on next page

History (continued)

23-AAA24450D

Subject Matter Expert

Name	Department
Juan Murillo	OSC Service Engineering, Bloomfield, CT

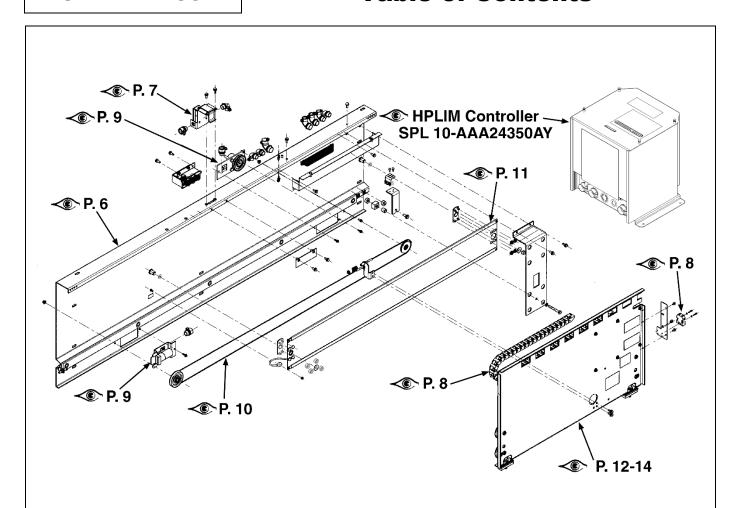
About Spare Parts Leaflets...

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.

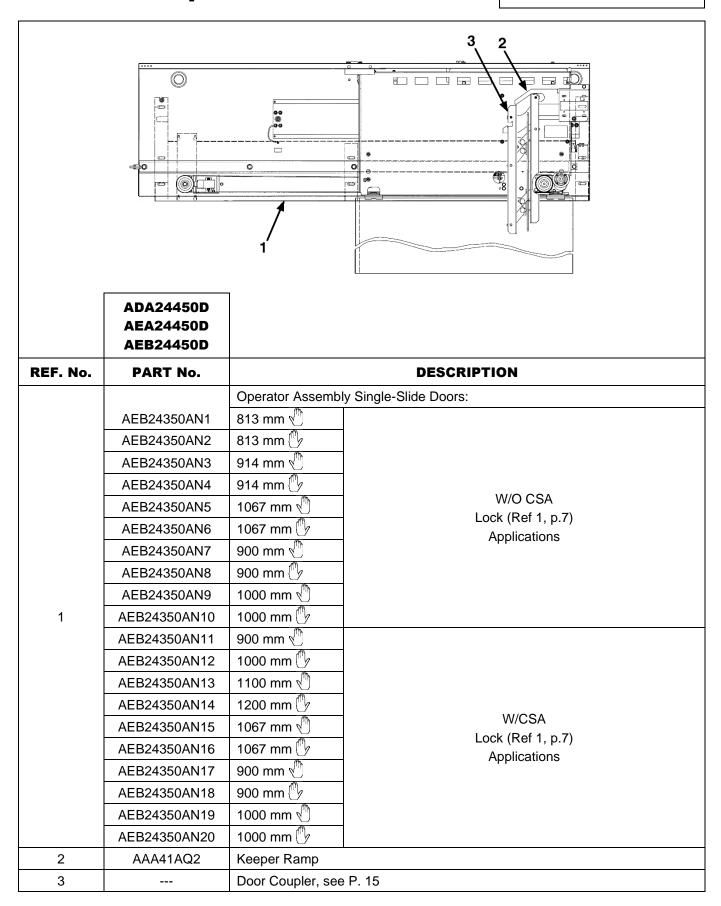
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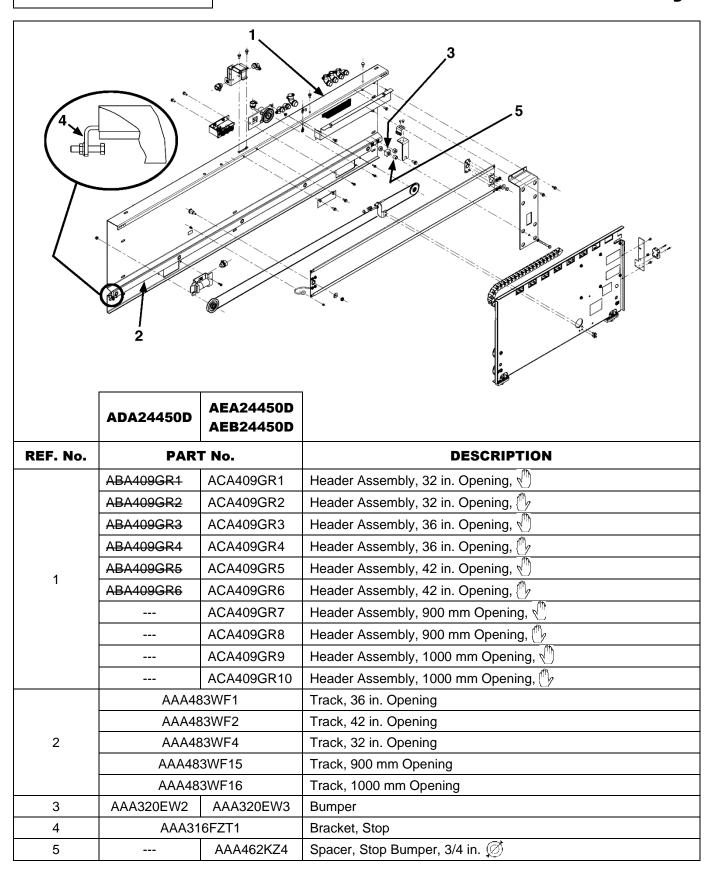
PAGE #	DESCRIPTION		
5	HPLIM Operator Assemblies		
6	HPLIM Header and Track Assemblies		
7	HPLIM CSA Lock +Secondary Position Junction Box		
8	HPLIM Conduit Cables + Gate Switch		
9	HPLIM Sync-Link Encoder + Sync-Link Brake Parts		
10	HPLIM Aircord + Parts		
11	HPLIM Secondary Assembly		
12	HPLIM Motor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

HPLIM Operator Assemblies

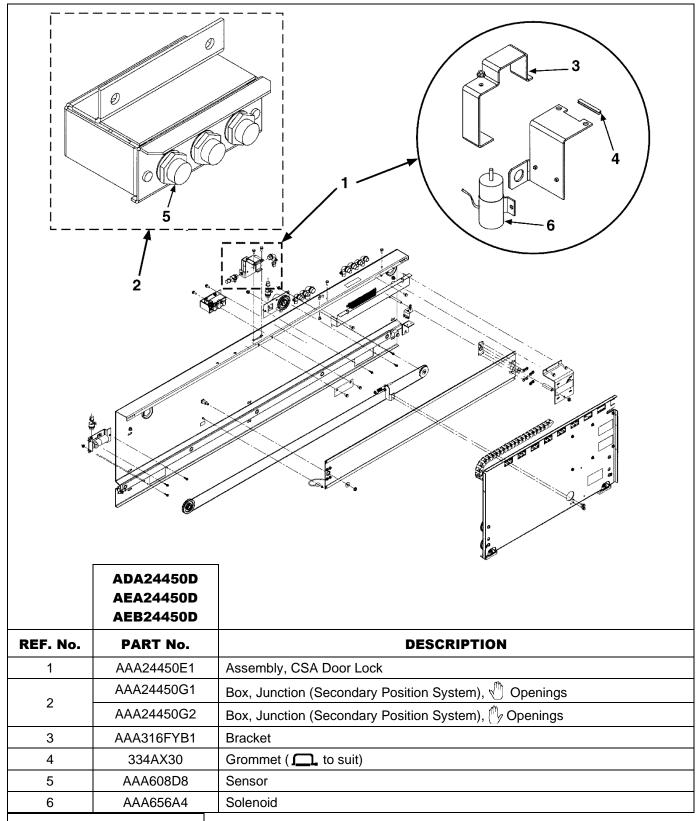
23-AAA24450D



HPLIM Header and Track Assembly

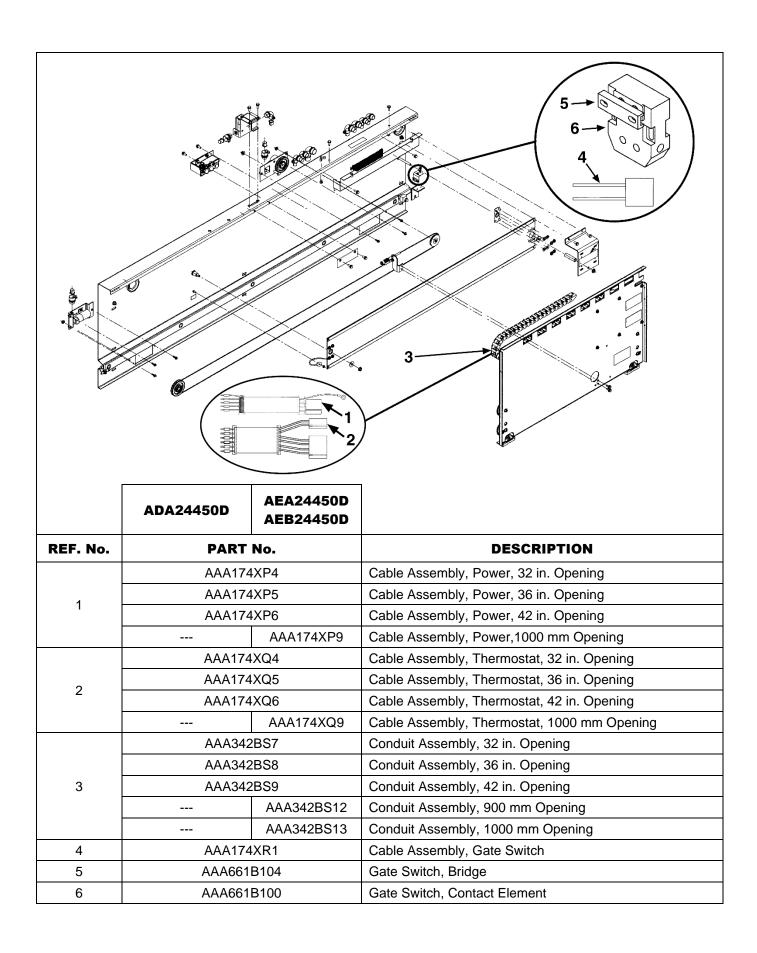


HPLIM CSA Lock + Secondary Position System Junction Box

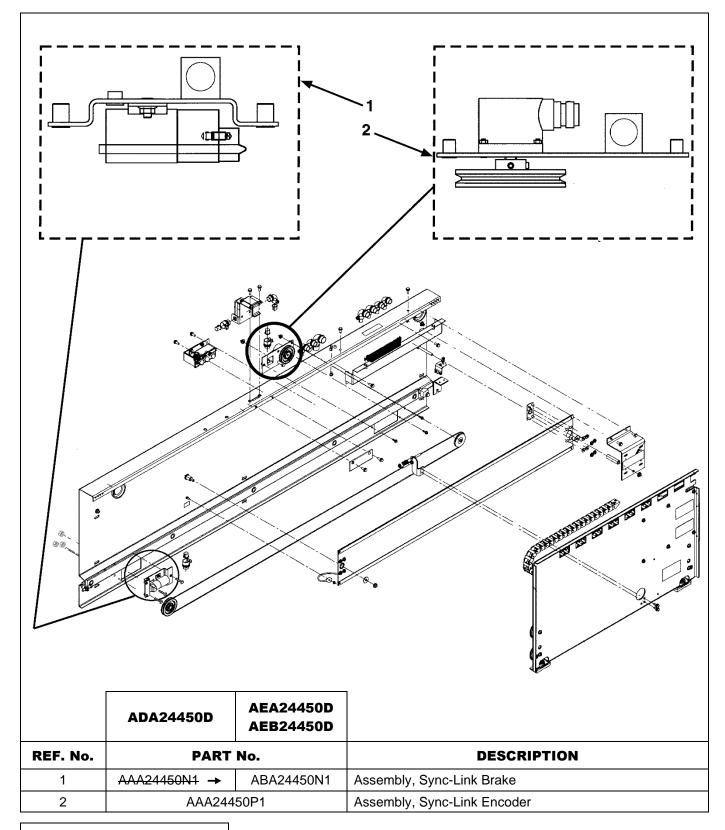


23-AAA24450D

HPLIM Conduit Cables + Gate Switch

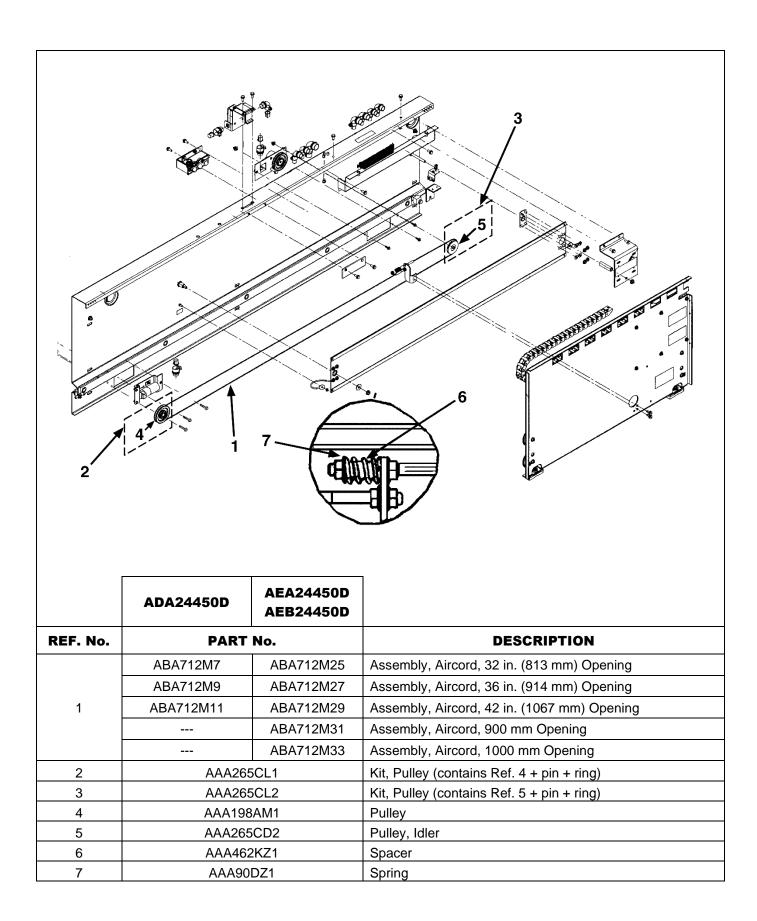


HPLIM Sync-Link Encoder + Sync-Link Brake Parts



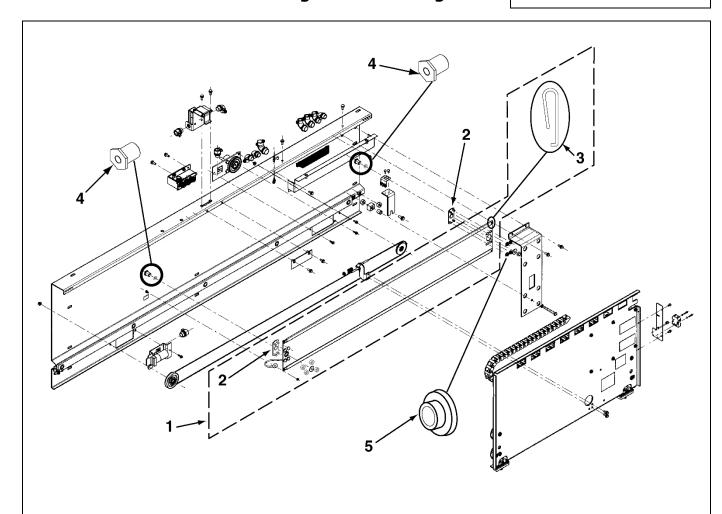
23-AAA24450D

HPLIM Aircord + Parts



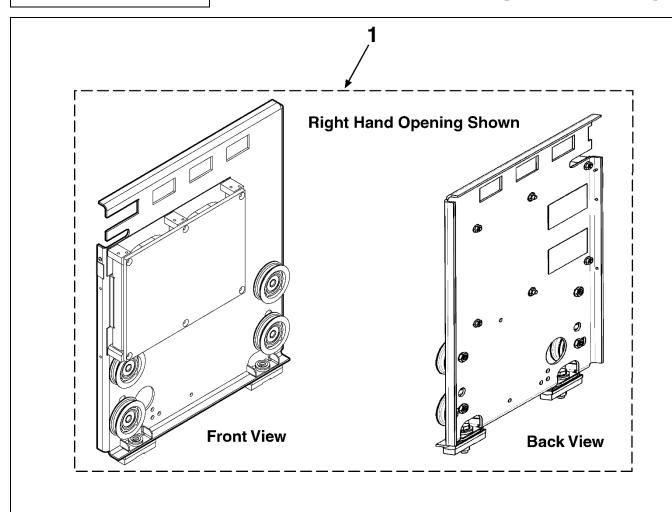
HPLIM Secondary Assembly

23-AAA24450D



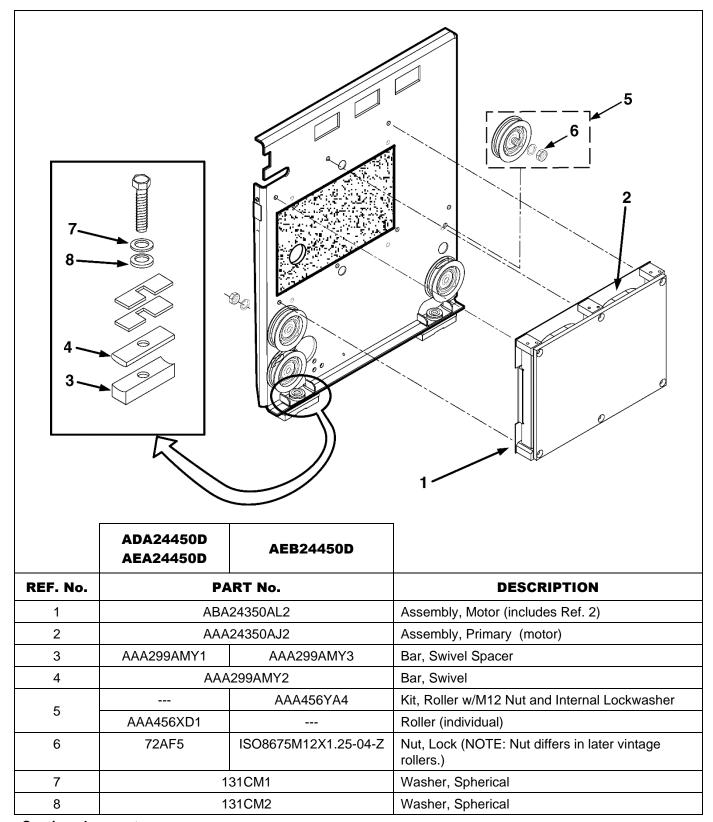
	ADA24450D	AEA24450D AEB24450D	
REF. No.	PART	No.	DESCRIPTION
	AAA2435	0AK14	Assembly, Secondary, 32 in. Opening
	AAA2435	0AK15	Assembly, Secondary, 36 in. Opening
1	AAA24350AK16		Assembly, Secondary, 42 in. Opening
		AAA24350AK21	Assembly, Secondary, 900 mm Opening
		AAA24350AK22	Assembly, Secondary, 1000 mm Opening
2	AAA217B2		Coupling, Flanged (2 places)
3	AAA50ATR1-1600		Guide, Snap-On, L=1600 mm, (Nylatron)
4	AAA462KW1		Nut (spacer)
5	AAA131EG1		Washer (spacer for thermal expansion), 4 per door operator

HPLIM Motor Carriage Assembly



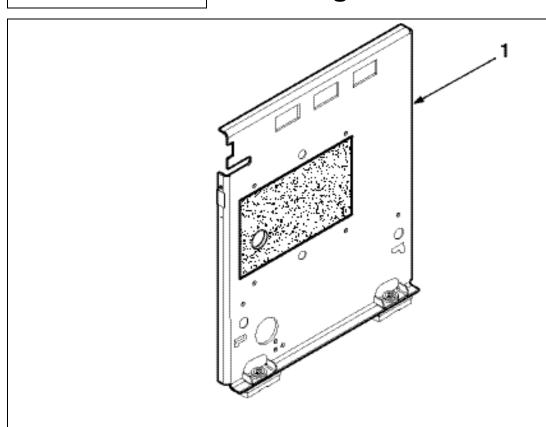
	ADA24450D	AEA24450D	AEB24450D	
REF. No.	PART No.			DESCRIPTION
_				Assembly, Motor Carriage
,	ACA6331CD1		ACB6331CD1	32 in. Opening √)
	ACA6331CD2		ACB6331CD2	32 in. Opening 🖱
	ACA6331CD3		ACB6331CD3	36 in. Opening √
	ACA6331CD4		ACB6331CD4	36 in. Opening (")
	ACA6331CD5		ACB6331CD5	42 in. Opening 🖑
1	ACA633	1CD6	ACB6331CD6	42 in. Opening 🖒
		ACA6331CD21	ACB6331CD21	900 mm Opening 🖑)
		ACA6331CD22	ACB6331CD22	900 mm Opening 🕏
		ACA6331CD23	ACB6331CD23	1000 mm Opening
		ACA6331CD24	ACB6331CD24	1000 mm Opening

A**6331CD Motor Carriage Parts and Motor

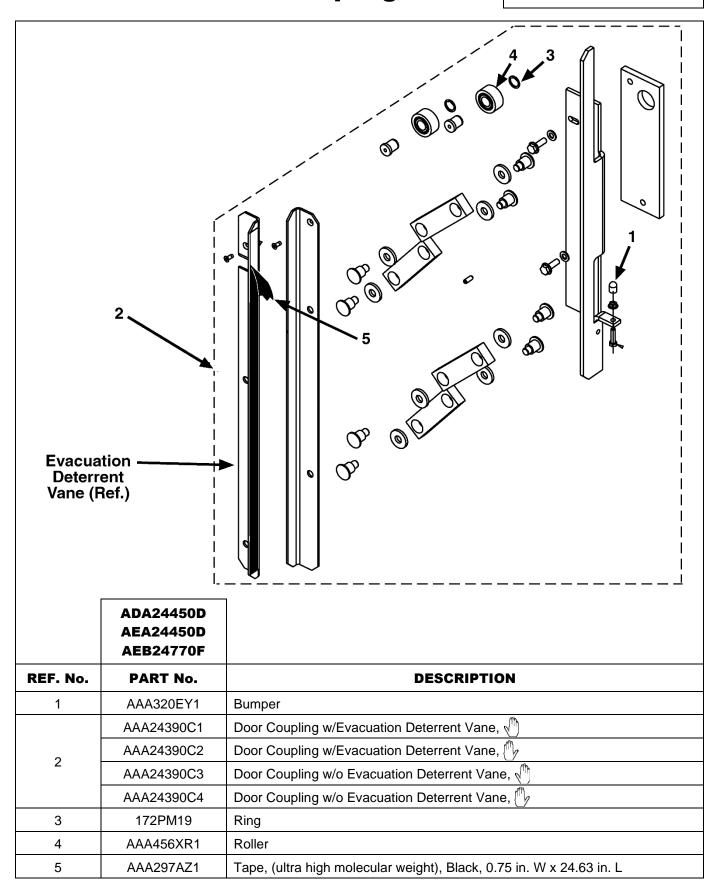


Continued on next page

Hanger Bracket Assembly



	ADA24450D AEA24450D	AEB24450D	
REF. No.	PA	ART No.	DESCRIPTION
	AAA389AY1 →	ABA389AY1	Hanger Bracket, 32 in. Opening,
	AAA389AY2 →	ABA389AY2	Hanger Bracket, 32 in. Opening, 🖒
1	AAA389AY3 →	ABA389AY3	Hanger Bracket, 36 in. Opening,
	AAA389AY4 →	ABA389AY4	Hanger Bracket, 36 in. Opening, 🖐
	AAA389AY5 →	ABA389AY5	Hanger Bracket, 42 in. Opening,
	AAA389AY6 →	ABA389AY6	Hanger Bracket, 42 in. Opening, 🖱
		ABA389AY21	Hanger Bracket, 900 mm Opening,
		ABA389AY22	Hanger Bracket, 900 mm Opening,
		ABA389AY23	Hanger Bracket, 1000 mm Opening,
		ABA389AY24	Hanger Bracket, 1000 mm Opening, 🖐



Tools and Labels

