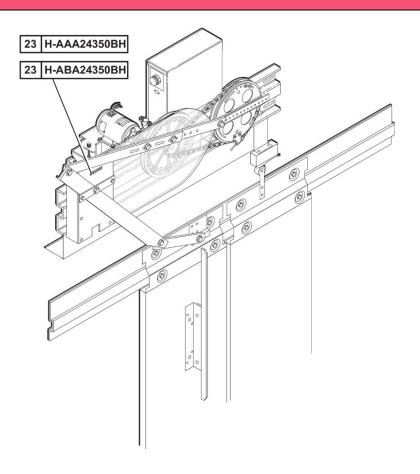
Harmonic Drive i-MOTION® II Door Operator Engine Unit

Spare Parts Leaflet 23-AAA24350BH

September 28, 2022 / Page 1 of 12

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.



OTIS

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

SERVICE ENGINEERING
Otis Elevator Company
Bloomfield, Connecticut USA

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History

Leaflet Description

This leaflet provides spare parts information for type AAA24350BH Harmonic Drive i-MOTION II door operator for 36 in. through 60 in. center-opening doors (standard & high cab), 32 in. through 42 in. single-slide doors, and 36 in. through 55 in. two-speed doors. It covers Lowest Replaceable Units (LRUs) for the engine unit/controller only. Part numbers and LRUs for the complete operator and the linkage parts are found in SPL 23-AAA24470M.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
March 1, 2001	Duane Stupienski	New SPL
March 23, 2011	Sohaib Shaikh, Brian Regan	Vintage and Part number updates pp 1, 7–10.
February 29, 2012	Brian Regan	Added sensor gap tool p/n AAA314AG1 on p. 11
May 22, 2019	Sohaib Shaikh and Brian Regan	Added AAA27076JK1, AAA6333EZ3 and related parts
September 28, 2022	Juan Murillo	Updated to include OBSOLESCENCE note on cover

Related Drawings

Drawing No.	Title	Drawing No.	Title
ABA24350BH	Door Operator iMotion II C/O, S/S 2/S	AFA24460C	Two Speed Car Door Imotion Phase II Based
AEA24470M	Center Opening Car Door iMotion Phase II Based	ABA25580X	Assembly iMotion II Control Box
ABB24470N Center Opening Car Door High Cab - iMotion Phase II Based		AFA24450R	Single Slide Car Door iMotion Phase II Based

Related Documents

Document ID	Title	
23-AAA24470M	i-MOTION II Door Operator Linkage Arrangements	

Subject Matter Expert

Name	Department
Brian Regan	OSC Service Engineering

About Spare Parts Leaflets...

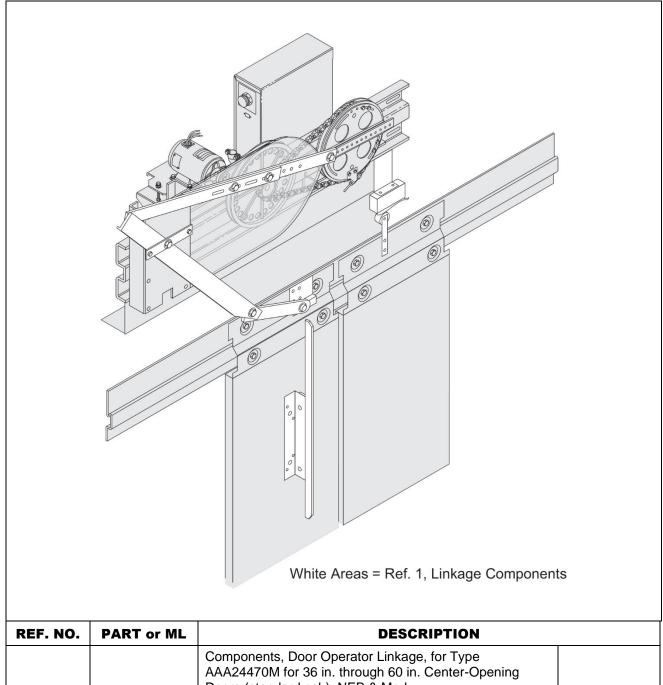
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

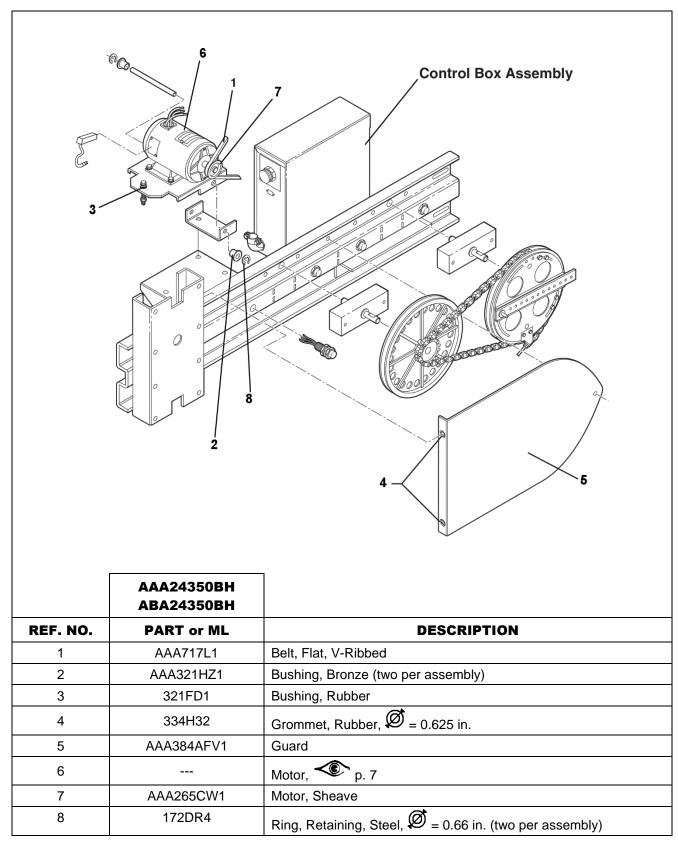
Door Operator Linkage Assemblies

23-AAA24350BH



REF. NO.	PART or ML	DESCRIPTION		
1		Components, Door Operator Linkage, for Type AAA24470M for 36 in. through 60 in. Center-Opening Doors (standard cab), NEB & Mod		
		Components, Door Operator Linkage, for Type AAA24470N, for 36 in. through 60 in. Center-Opening Doors (high cab), OSC Mod Only	◆	
		Components, Door Operator Linkage, for Type AAA24450R, 32 in. through 42 in. Single-Slide Doors, NEB & Mod	SPL 23- AAA24470M	
		Components, Door Operator Linkage, for Type AAA24460C, 36 in. through 55 in. Two-Speed Doors, NEB & Mod		

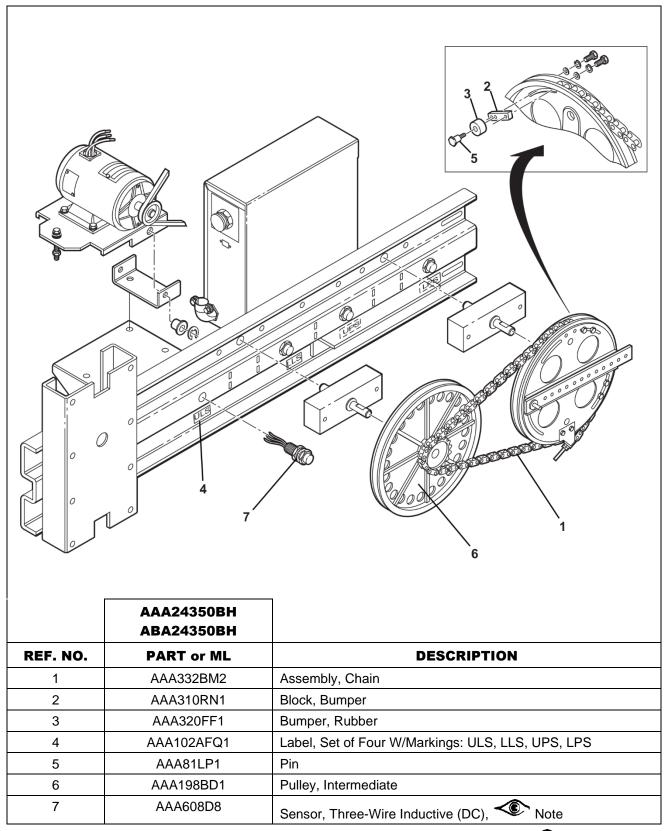
Operator Engine Components



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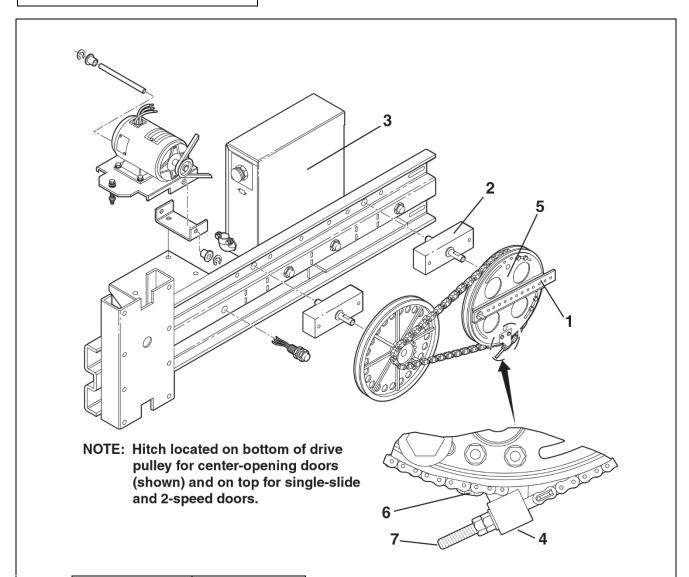
Operator Engine Components

23-AAA24350BH



NOTE: When ordering sensor, also order three (3) Otis p/n AAA378D1 ferrules (p.11). (Continued on next page)

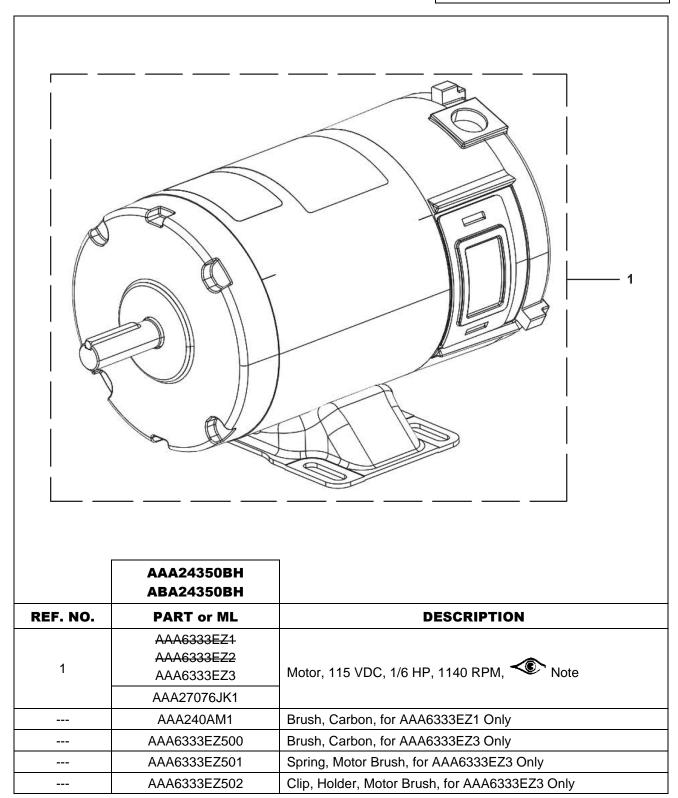
Operator Engine Components



	AAA24350BH	ABA24350BH	
REF. NO.	PART or ML		DESCRIPTION
1	AAA395L1	AAB395L3	Arm, Lever, for Drive Pulley
2	AAA24350BG1		Assembly, Bearing Block
3			Assembly, Control Box, Type ABA25580X, Pp. 8–11
4	AAA392BS1 AAA392BW1		Hitch, © Center-Opening & Two-Speed and Single-Slide Door Systems
4	AAA392BS2 AAA392BW1		Hitch, Center-Opening & Two-Speed and Single-Slide Door Systems
5	AAA198BA1		Pulley, Drive, W/O Lever Arm or Hitches
6	65FG1		U-Bolt
7	YYJO98BE1		Rod, Chain Hitch

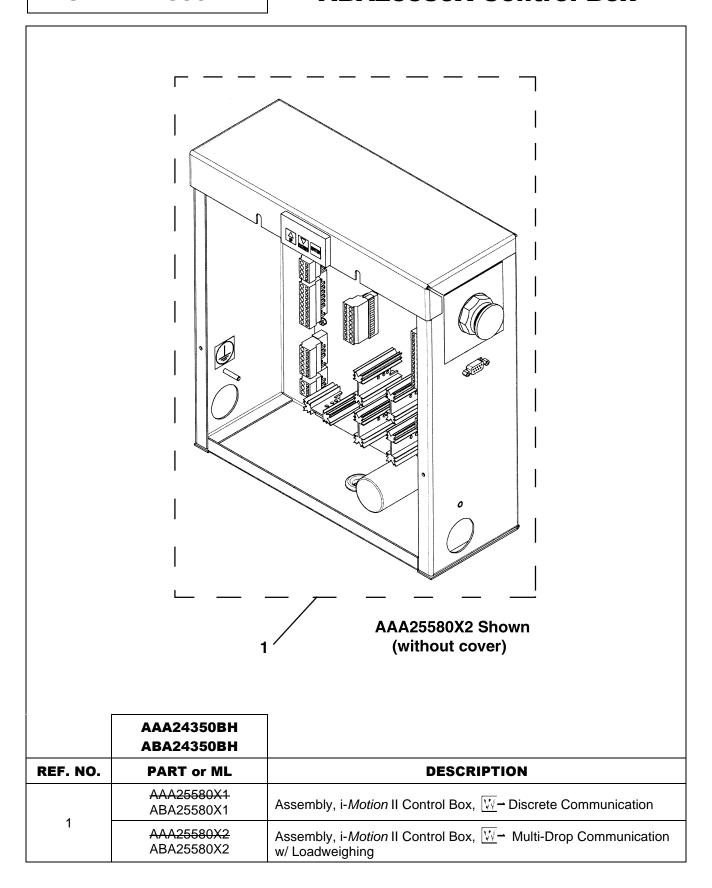
Operator Motor Components

23-AAA24350BH

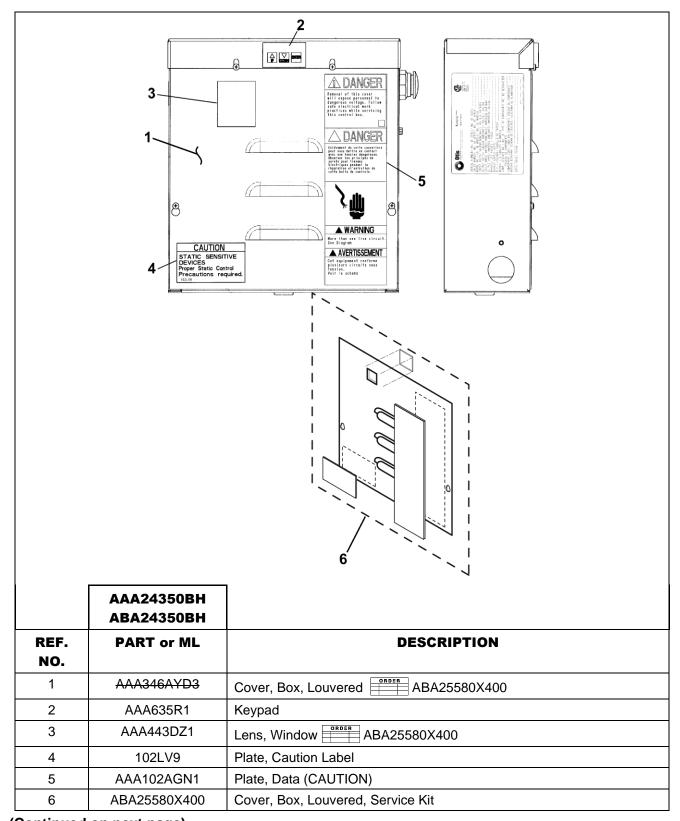


NOTE: When replacing AAA6333EZ1 or AAA6333EZ2 for the first time on an i-Motion II door operator, order AAA27076JK1. The AAA27076JK1 is a motor replacement kit that includes (1) AAA6333EZ3 motor, (1) AAA26800ARE2 PCBA w/software AP131349AAB or higher, (2) AAA378D4 ferrules, (1) AAA190CA3 ground lug, and (1) TIP 22.14-3. For more information, see TIP 22.14-13.

ABA25580X Control Box

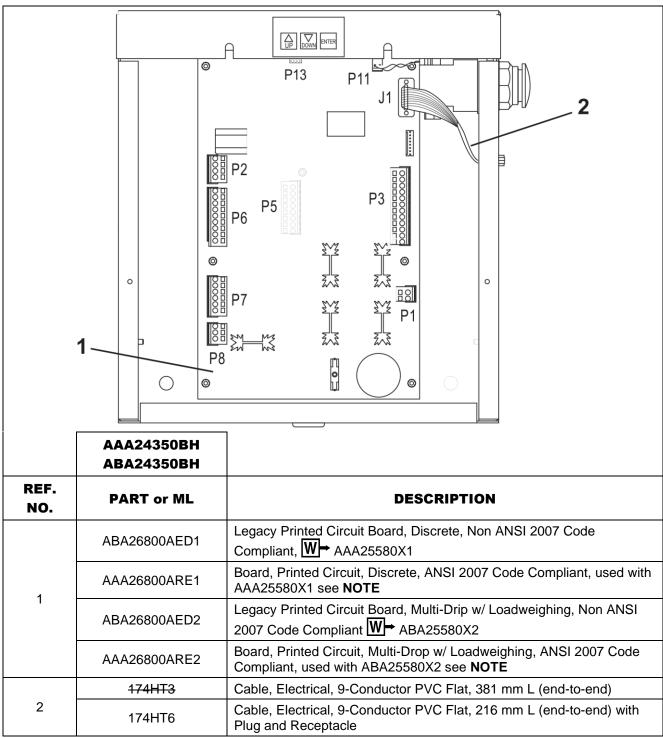


Type ABA25580X Control Box Components



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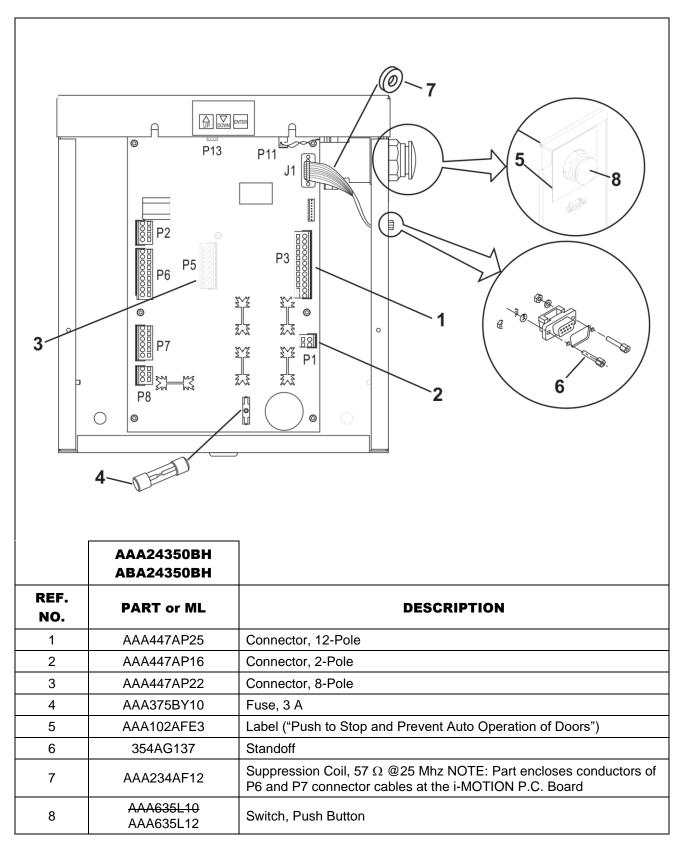
Type ABA25580X Control Box Components



NOTE: A_A26800ARE_ MUST be ordered if ANSI 2007 code compliance is required. This will also require an additional position sensor (p. 5). Refer to TIP 22.14-1, *Adjusting I-MOTION II and I-MOTION II-R for Modernization*, for ANSI 2007 Code compliance requirements and setup instructions. A_A26800ARE_ MUST be ordered when upgrading to the AAA6333EZ3 motor (part of the AAA27076JK1 kit), see p 7.

(Continued on next page)

Type ABA25580X Control Box Components



Special Tools

