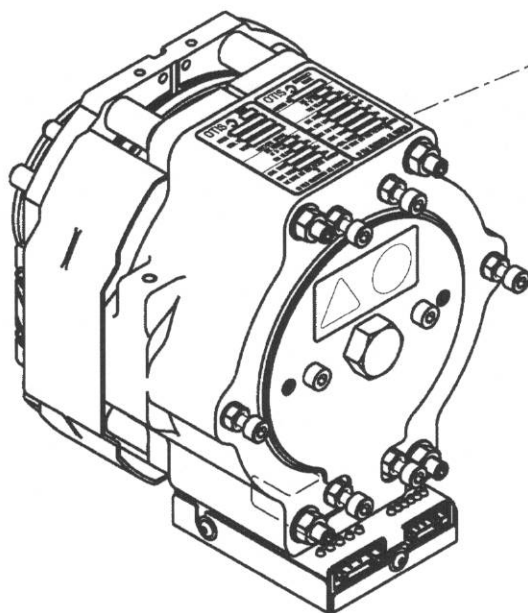


2.5T NAA / ANSI Brake for Gen2 System

Spare Parts Leaflet

07-TAB20222BD

April 2003 / Page 1 of 4



OTIS 0		NAME
ASSEMBLY N°		
SERIAL N°		
DATE		
MACHINE BRAKE		
MAX. POWER		W
AT 27 Vdc		
NOM. VOLTAGE		Vdc
ADMS. TORQUE		Nm
MEAS. TORQUE		Nm
THE BRAKE HAS BEEN FACTORY ADJUSTED		
NO FIELD ADJUSTMENTS ARE PERMITTED		

OTIS 0		EMERGENCY BRAKE
ASSEMBLY N°		
MAX. POWER		W
AT 27 Vdc		
NOM. VOLTAGE		Vdc
MAX. SPEED		rpm
MAX. DUTY LOAD		kg-b
MAX. CAR MASS		kg-b
ADMS. TORQUE		Nm
MEAS. TORQUE		Nm
THE BRAKE HAS BEEN FACTORY ADJUSTED		
NO FIELD ADJUSTMENTS ARE PERMITTED		

Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

**Otis Engineering Center
Madrid
Otis Elevator Company**

Leaflet Description

This leaflet provides spare parts information for TAB20222BD disk brake (26 VDC). This disk brake is a Dual Solenoid one designed specially for the Gen2 2.5T machine roomless elevator system to be installed in NAA / ANSI markets.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
April 2003	D. Gil	Change on lining material & plates finish to avoid sticking. Change from TAA to TAB.
---	---	---

Related Drawings

Drawing No.	Title	Drawing No.	Title
TAB20222BD	Brake	---	---

Related Documents

Document ID	Title
---	---

Subject Matter Expert

Name	Department
D. Gil	Innovation OEC - Madrid

About Spare Parts Leaflets...

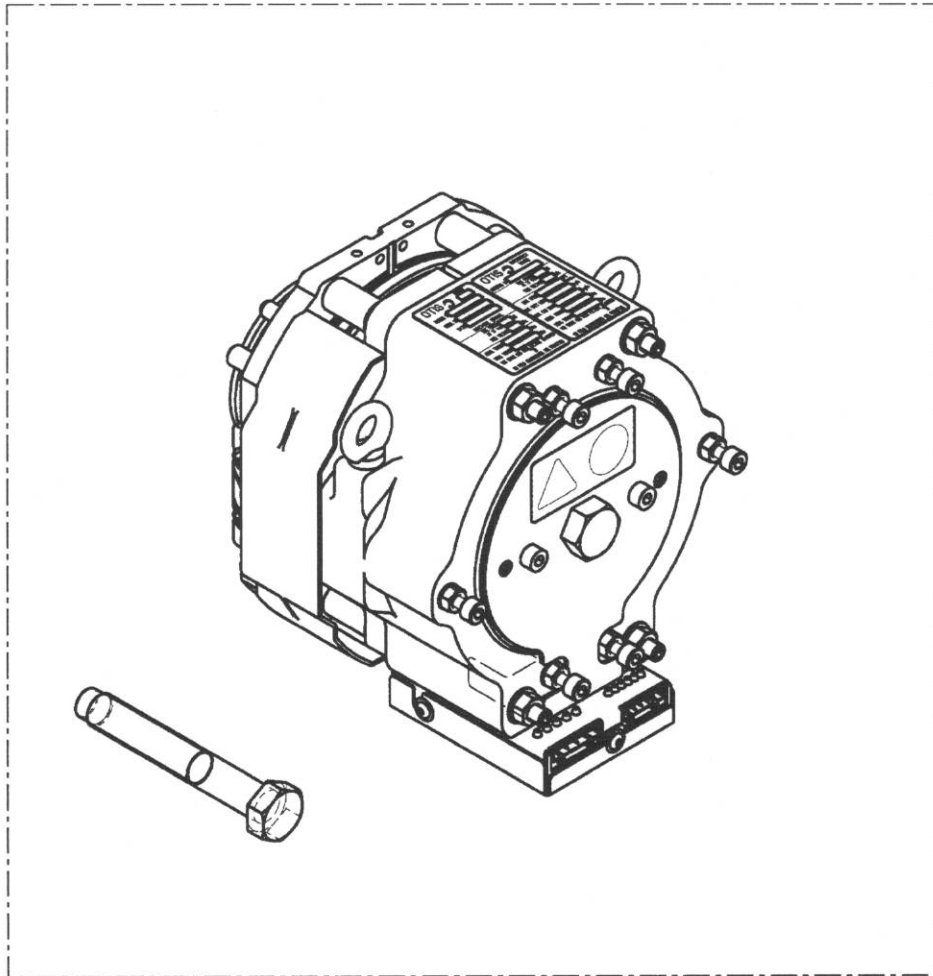
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

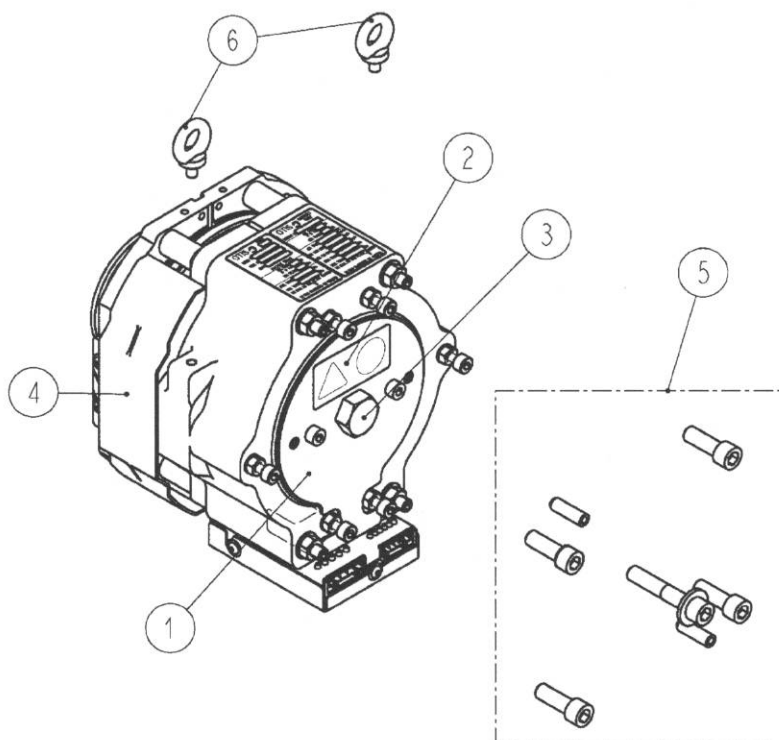
2.5T NAA / ANSI Brake **for Gen2 System**

07-TAB20222BD



TAB20222BD				
REF. No.	DUTY LOAD (kg)	SPEED (m/s)	VOLTAGE (V)	ARRANGEMENT
1	≤955	≤1.78	26	TAB20222BD4 + TAA124DP2 + TAA5300KJ1 + (2) DIN580 M8
	≤1135			TAB20222BD2 + TAA124DP2 + TAA5300KJ1 + (2) DIN580 M8

2.5T NAA / ANSI Brake for Gen2 System



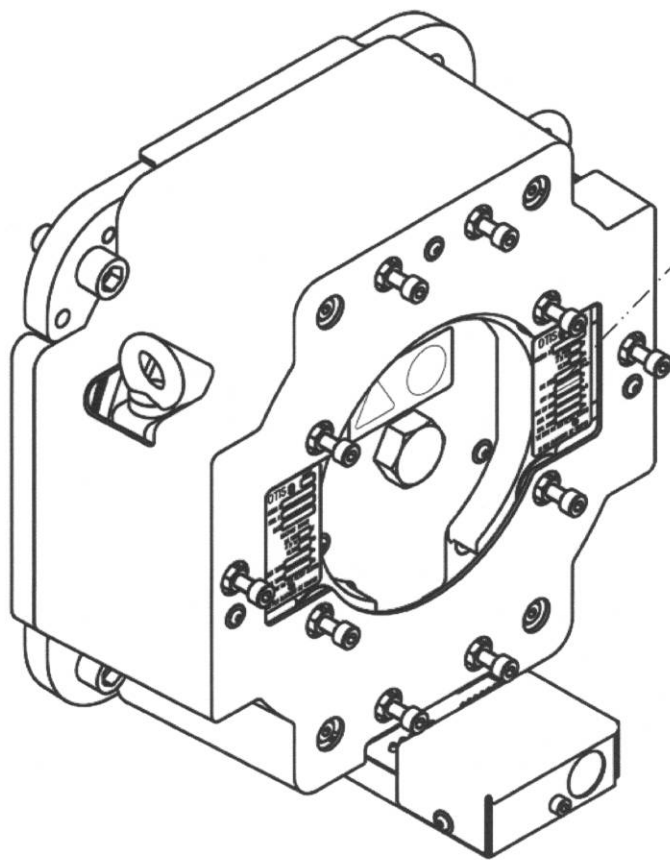
TAB20222BD			
REF. No.	PART No.		DESCRIPTION
1	TAA346MK1	TAB20222BD2 - 4	Cover
	(2) ISO4762 M8 x 12 (DIN912 M8 x 12)	TAB20222BD2 - 4	Screw
2	TAA102GW1	TAB20222BD2 - 4	Label
3	TAA124DP2	TAB20222BD2 - 4	Screw
4	TAA384JB2	TAB20222BD2 - 4	Guard
	(2) TAA124EJ1	TAB20222BD2 - 4	Screw
5	TAA5300KJ1	TAB20222BD2 - 4	Hardware Kit for Assembling the Brake on the Machine Consists of: (2) Pins ISO8725-10x24-B (4) Washers TAA130AT3 (4) Screws ISO4762 M12x30-8.8-B (1) Screw ISO4762 M12x70-10.9-B (1) Washer DIN6796 M12-F
6	(2) DIN580 M8	TAB20222BD2 - 4	Eye bolt (lifting bolt)

5T NAA/ANSI BRAKE FOR GEN2 SYSTEM

Spare Parts Leaflet

07-TAA20236G

April, 2003 / Page 1 of 4



OTIS ☐ **MANUF.**

ASSEMB. N°

SERIAL N°

DATE

MACHINE BRAKE

MAX. POWER W
AT 24 Vdc

VOLTAGE Vdc

ACMS TORQUE Nm

MEAS. TORQUE Nm

THE BRAKE HAS BEEN FACTORY ADJUSTED

NO FIELD ADJUSTMENTS ARE PERMITTED

OTIS ☐ **EMERGENCY BRAKE**

ASSEMB. N°

MAX. POWER W
AT 24 Vdc

VOLTAGE Vdc

MAX. SPEED rpm

DUTY LOAD %

MAX. CAR MASS kg

ACMS TORQUE Nm

MEAS. TORQUE Nm

THE BRAKE HAS BEEN FACTORY ADJUSTED

NO FIELD ADJUSTMENTS ARE PERMITTED

Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

OTIS Engineering Center

Madrid

Otis Elevator Company

Leaflet Description

This leaflet provides spare parts information for type TAA20236G disc brake. This brake is a DUAL SOLENOID one designed specially for the Gen2 5T machine roomless elevator system to be installed in NAA/ANSI markets.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
April 2003	A. SALGADO	NEW LEAFLET

Related Drawings

Drawing No.	Title	Drawing No.	Title
TAA20236G	BRAKE		
TAA309BD	JUNCTION BOX		

Related Documents

Document ID	Title
OTIS Doc. 54694	MACHINES FUNCTIONAL REQUIREMENTS - EXTENDED DUTIES: 1135 TO 2041Kg (2268Kg. LIMITED), ≤1.78m/s.

Subject Matter Expert

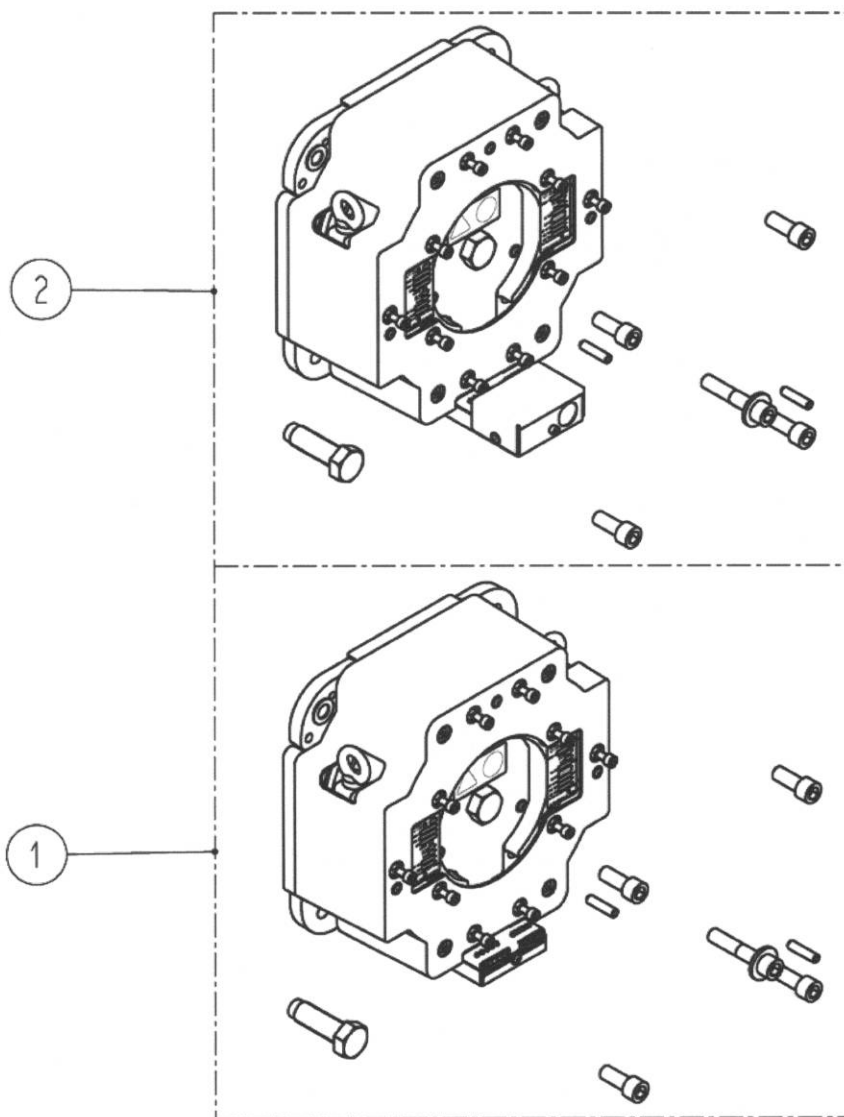
Name	Department
A. SALGADO	GLOBAL PROJECT MANAGEMENT (OEC-MADRID)

About Spare Parts Leaflets...

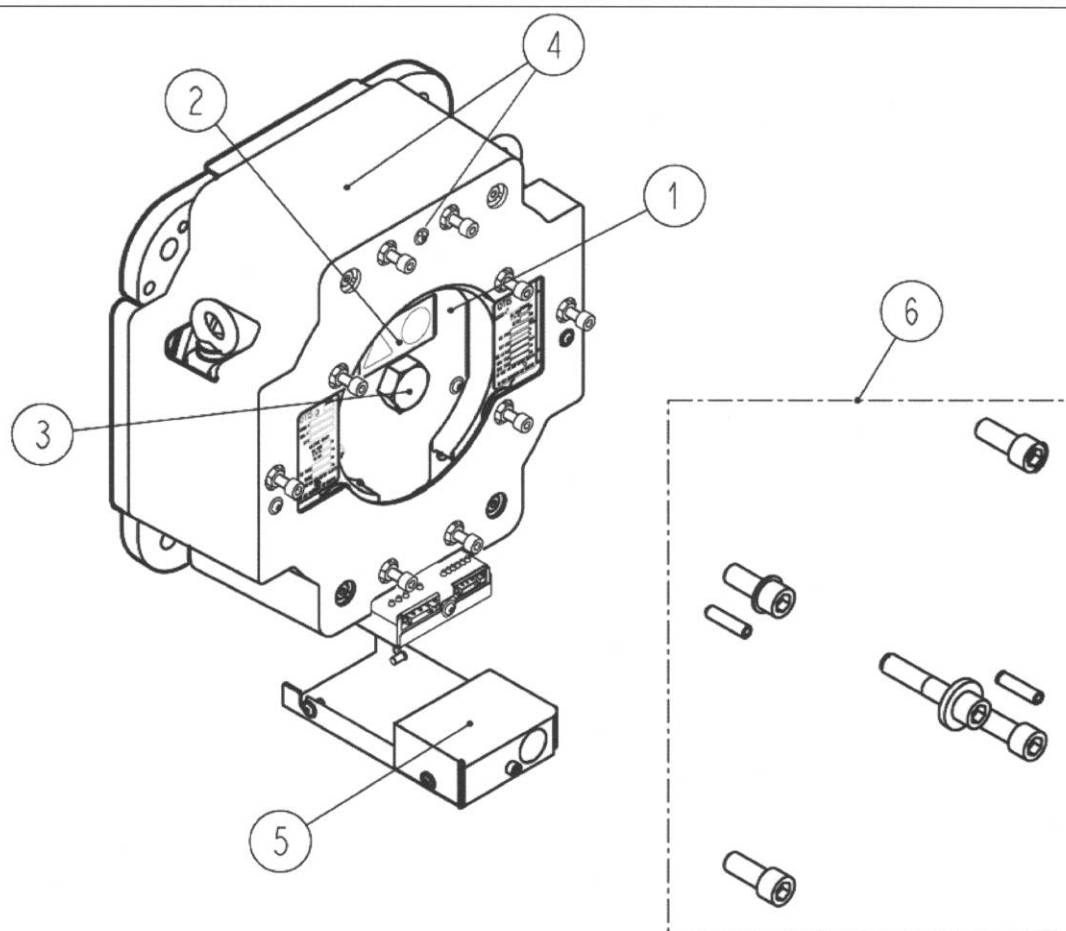
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.



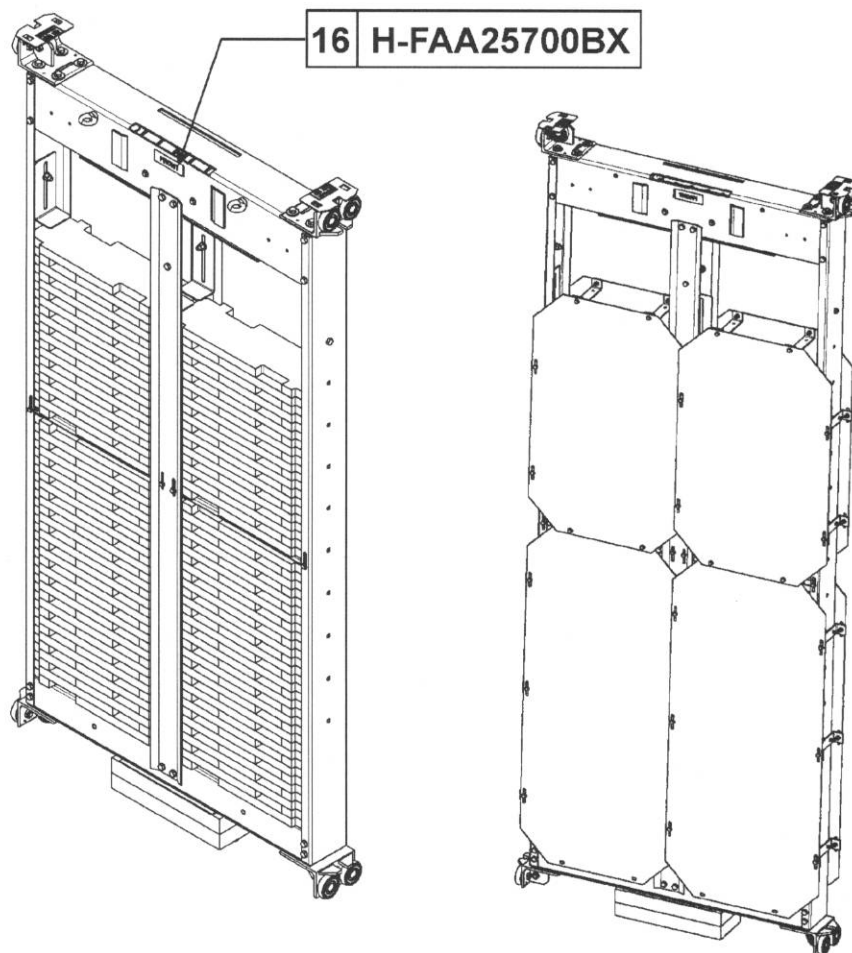
TAA20236G					
REF No	DUTY LOAD (Kg)	SPEED (m/s)	VOLTAGE (V)	JUNCTION BOX	ARRANGEMENT
1	≤ 2268	≤ 1.78	20	WITHOUT	TAA20236G1+TAA124EK1+TAA5300KX1
	≤ 1600				TAA20236G2+TAA124EK1+TAA5300KX1
	≤ 1360				TAA20236G3+TAA124EK1+TAA5300KX1
2	≤ 2268	≤ 1.78	20	WITH	TAA20236G11+TAA124EK1+TAA5300KX1
	≤ 1600				TAA20236G12+TAA124EK1+TAA5300KX1
	≤ 1360				TAA20236G13+TAA124EK1+TAA5300KX1

**TAA20236G**

REF No.	PART or M.L.	W→	DESCRIPTION
1	TAA346NM1	TAA20236G1 ÷3, 11 ÷13	COVER
	(3) TAA124EJ1	TAA20236G1 ÷3, 11 ÷13	SCREW
2	TAA102GW1	TAA20236G1 ÷3, 11 ÷13	LABEL
3	TAA124EK1	TAA20236G1 ÷3, 11 ÷13	SCREW
4	TAA384JL1	TAA20236G1 ÷3, 11 ÷13	GUARD
	(3) TAA124EJ1	TAA20236G1 ÷3, 11 ÷13	SCREW
5	TAA309BD1	TAA20236G11 ÷13	JUNCTION BOX
6	TAA5300KX1	TAA20236G1 ÷3, 11 ÷13	Hardware Kit for assembling the brake on the machine. Consists of: (2) Pins ISO8752-10x40 (4) Washers TAA130AT4 (4) Screws ISO4762 M16x50-8.8 (1) Screw ISO4762 M16x80-10.9 (1) Washer DIN796 M16

Gen2™
953 kg and 1134 kg
Duties Counterweights

Spare Parts Leaflet
16-FAA25700BX
July 16, 2003 / Page 1 of 4



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING
Otis Elevator Company
Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare part information for FAA25700BX counterweight assembly. This component is used in the 953 kg (2100 lb.) and 1134 kg (2500 lb.) duty Gen2™ elevators for A17.1–2000 applications. An arrangement for steel fillers and concrete fillers is presented in this document.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
July 16, 2003	Jim Draper	New SPL
---	---	---

Related Drawings

Drawing No.	Title	Drawing No.	Title
FAA25700BX	Counterweight Assembly	---	---
---	---	---	---

Related Documents

Document ID	Title
---	---
---	---

Subject Matter Expert

Name	Department
Jim Draper	OECF Mechanical Engineering

About Spare Parts Leaflets...

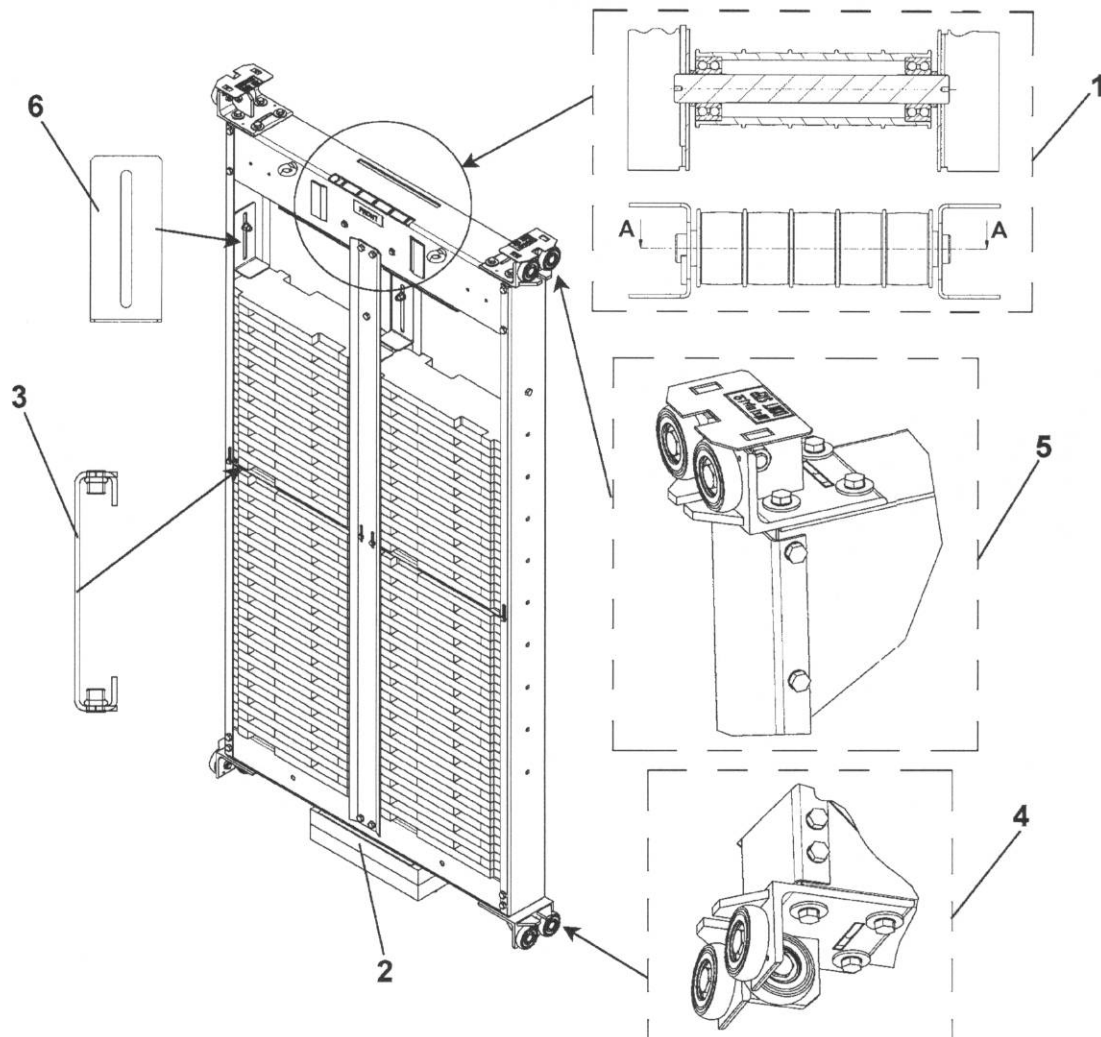
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

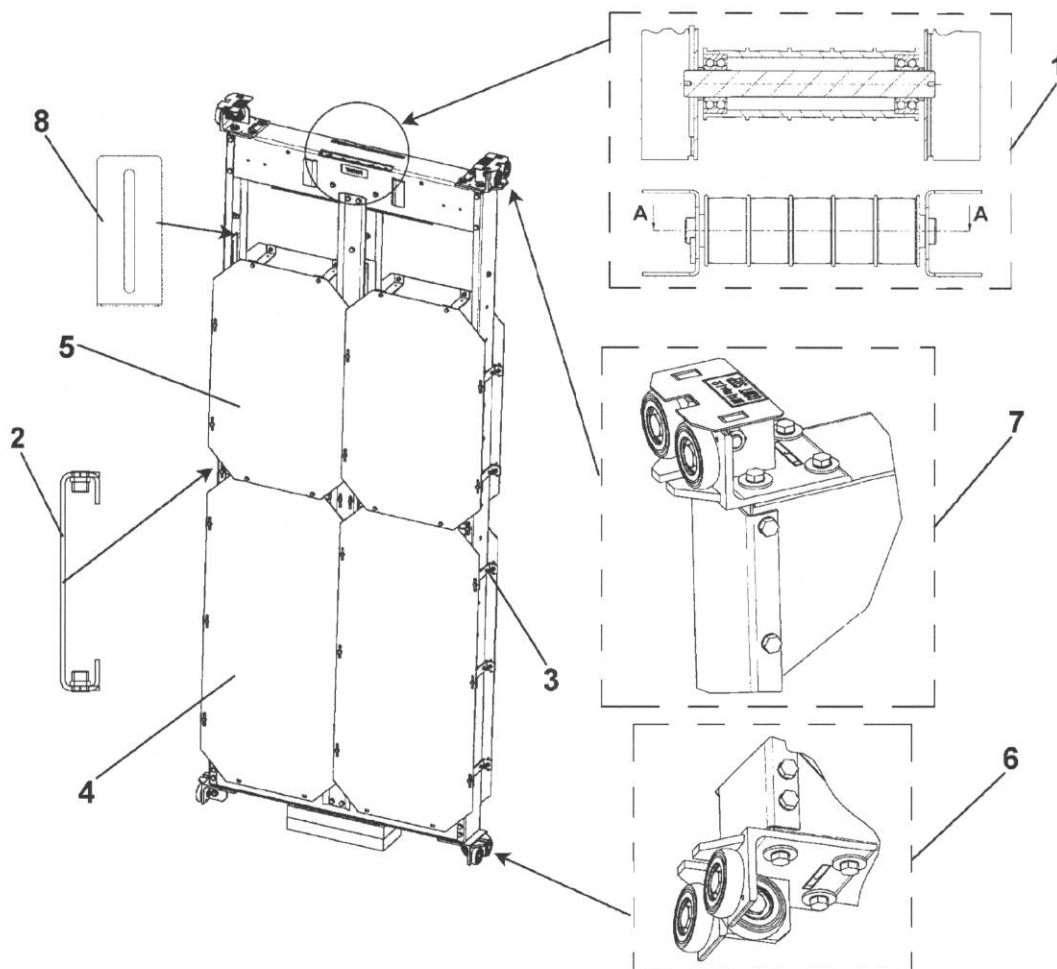
Counterweight w/Steel Fillers

16-FAA25700BX



FAA25700BX		
REF. No.	PART No.	DESCRIPTION
1	AAA20780A2	Assembly, Sheave (with Bearings), 5 Grooves
2	FAA310Y2	Block, Wood
3	FAA315HC1	Brace
4	---	Guide, Lower Roller, Used with # 1-1/2 and #1 Rails
		Guide, Lower Roller, Used with #2 Rails
5	---	Guide, Upper Roller, Used with # 1-1/2 and #1 Rails
		Guide, Upper Roller, Used with #2 Rails
6	FAA477Z1	Stop (anti-jumping for fillers)

See
SPL 14-AAA24180AW



	FAA25700BX		
REF. No.	PART No.	DESCRIPTION	
1	AAA20780A2	Assembly, Sheave (with bearings), 5 Grooves	
2	FAA315GW1	Brace	
3	FAA316CHV1	Bracket, Carter	
4	FAA330AB1	Cover, Lower	
5	FAA330AB2	Cover, Upper	
6	---	Guide, Lower Roller, Used with # 1-1/2 and #1 Rails	See SPL 14-AAA24180AW
		Guide, Lower Roller, Used with #2 Rails	
7	---	Guide, Upper Roller, Used with # 1-1/2 and #1 Rails	
		Guide, Upper Roller, Used with #2 Rails	
8	FAA477Z1	Stop (anti-jumping for fillers)	

AC Gearless Machine 2.5T

Spare Parts Leaflet 06-AAA20220AK

April 30, 2004 / Page 1 of 6

Supersedes SPL 06-AAA20220AK Dated September 18, 2003

06 F-AAA20220 AK

Otis
UNITED TECHNOLOGIES

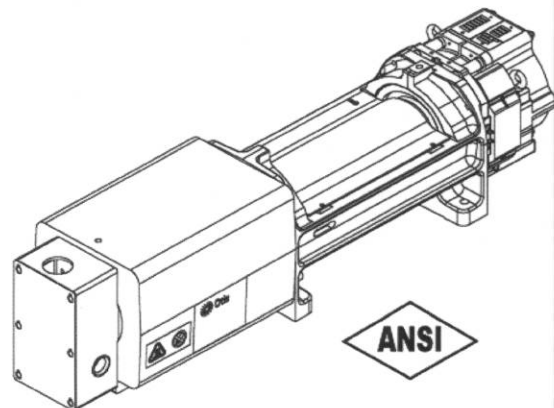
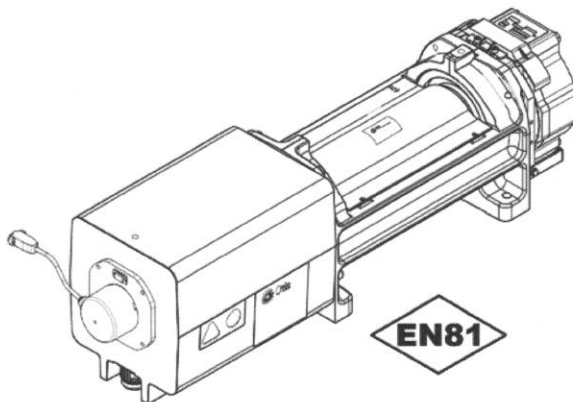
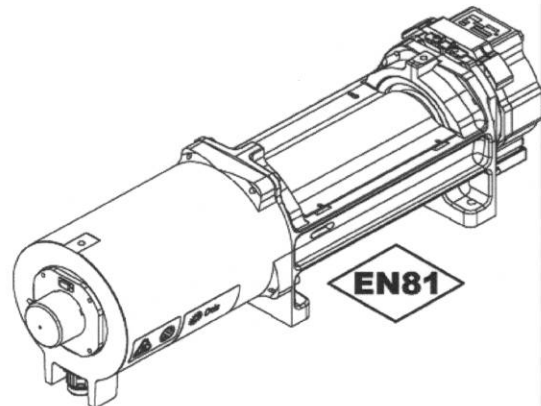
GEARLESS ELEVATOR TRACTION MACHINE WITH
VARIABLE FREQUENCY AND PWM VARIABLE VOLTAGE CONTROL

06-AAA20220 PART A 2220

NOMINAL RATINGS:

☐ VOLTS	☐ AMPS	☐ KW OUTPUT
☐ Hz	☐ rpm	☐ START/STOP
☐ % INTERMITTENT DUTY	☐ °C AMBIENT	
☐ ENCLOSURE (IP50, NON-VENTILATED)		
LOT: _____		

NO RELUBRICATION REQUIRED
MANUFACTURED BY KOLLMORGEN
MADE IN USA



Unpublished Work—© Otis Elevator Co.; 2004



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for the AC gearless machine, type AAA20220AK. These AC gearless machines were designed specifically for the Gen2™ machine roomless elevator system and they allow very quiet and efficient operation.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
April 1, 2003	Amer Aziz	New SPL
September 18, 2003	Wendy Smerk	Part changes pp. 4 and 6
April 30, 2004	James Draper	Updated SPL number in references 1 and 2, on page 5

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA20220AK	A.C. Gearless Machine	AAA633AE	Encoder (3-channel)
TAB20222BC	Brake	TAB20222BD	Brake
FAA20800K	Sub-Assembly Motor Mounting	AAA20800K	A.C. Gearless Machine Permanent Magnet 3 Phase Motor
AAA633Z	Encoder (2-channel)		

Related Documents

Document ID	Title
SPL 07-TAB20222BC	Brake Assembly
SPL 07-TAB20222BD	Brake Assembly

Subject Matter Expert

Name	Department
James Draper	Otis Engineering Center, Farmington (OECF)

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.

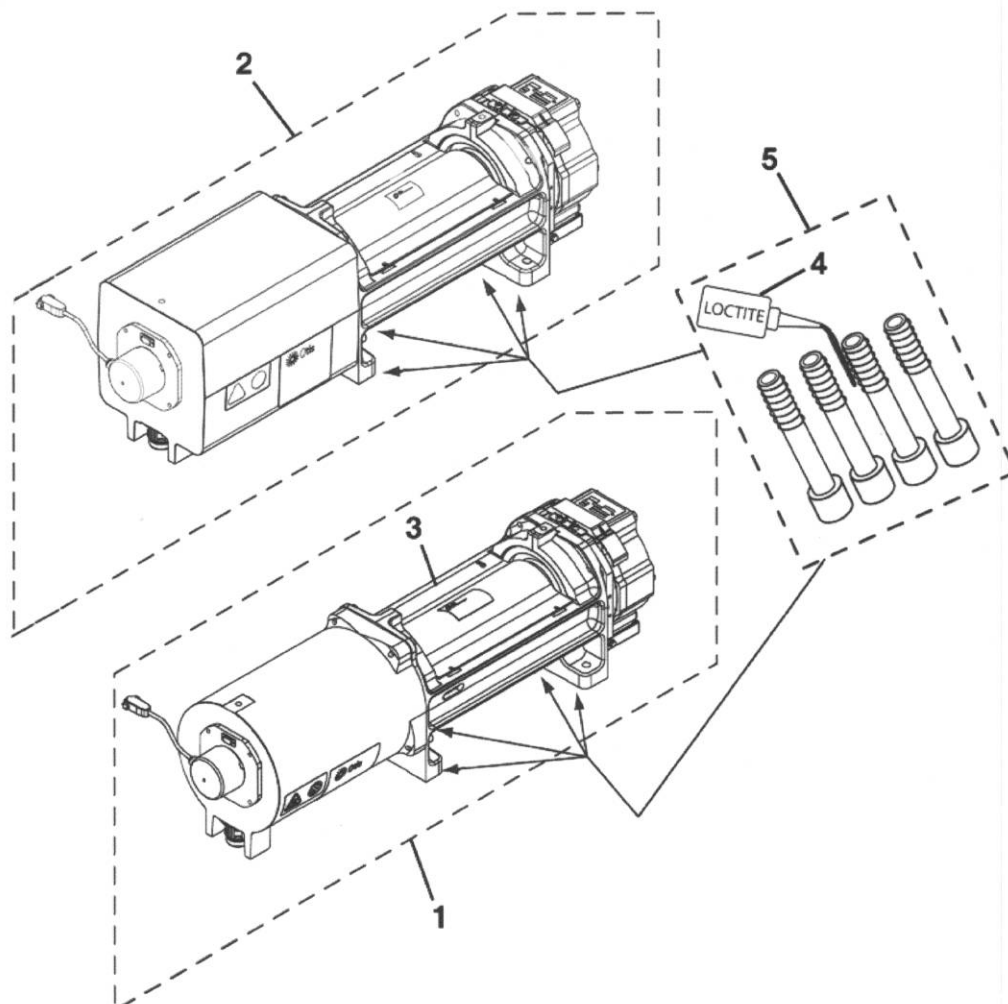
While goal of this document is to make parts identification as easy as possible, the document cannot be all-inclusive. Elevator and escalator contracts classified as "special" or "custom" are not addressed here. For such contracts, please refer to specified information, the contract folder, TIPs, Field 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.

2.5T Machine

EN81

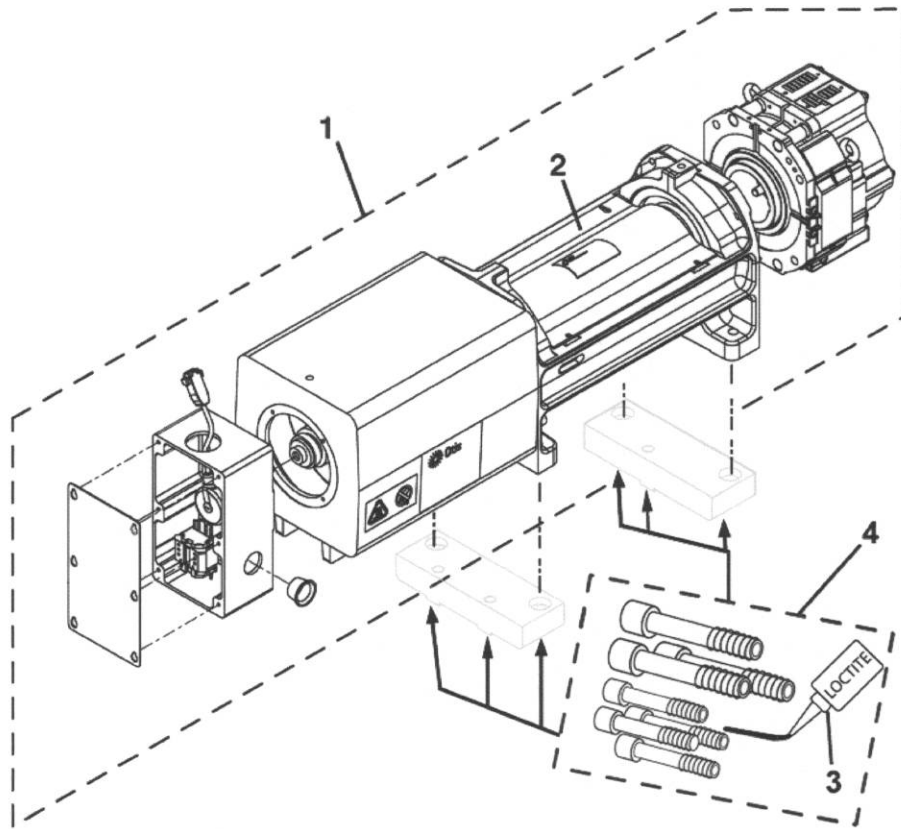
06-AAA20220AK



AAA20220AK

EN81

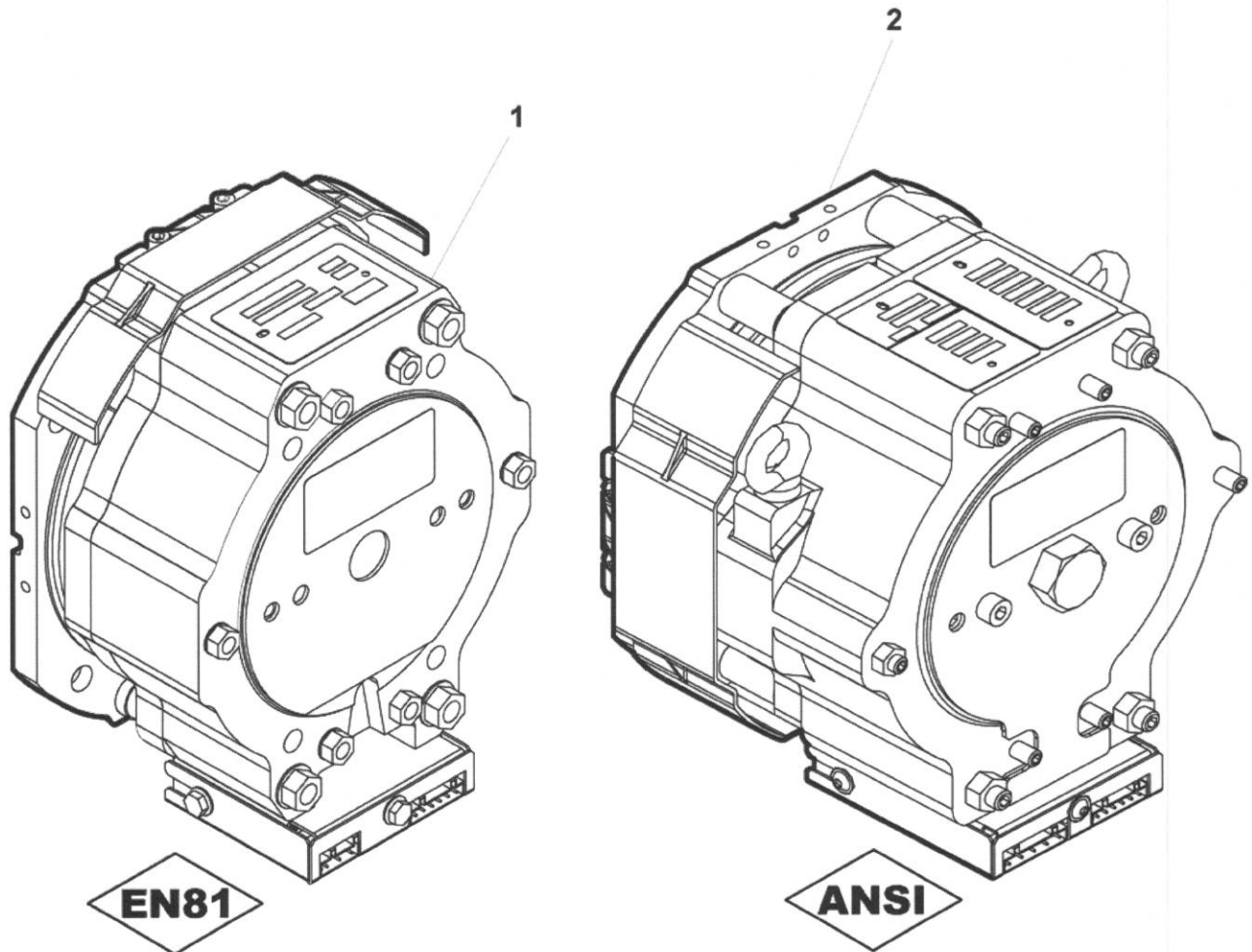
REF. NO.	PART or ML	DESCRIPTION	MOTOR VOLTAGE	LOAD (kg)	SPEED (m/s)
1	AAA20220AK1	Assembly, AC Gearless Machine with 24 V Brake and Incremental Encoder 	340 (minimum)	700–840	1.6
	AAA20220AK2			900–1050	
	AAA20220AK3			700–840	1.0
	AAA20220AK4			900–1050	
2	AAA20220AK5		372	700–840	1.75
	AAA20220AK6			900–1050	
3	AAA384AHT1	Cover (Guard)			
4	AAA180JB1	Glue, Sealant, Loctite® 243, 10 ml Bottle			
5	AAA27076AJ1	Kit, Consists of: (4) Hex Socket Head Screws, M16 x 120 mm and (1) Ref. 4			



AAA20220AK

ANSI

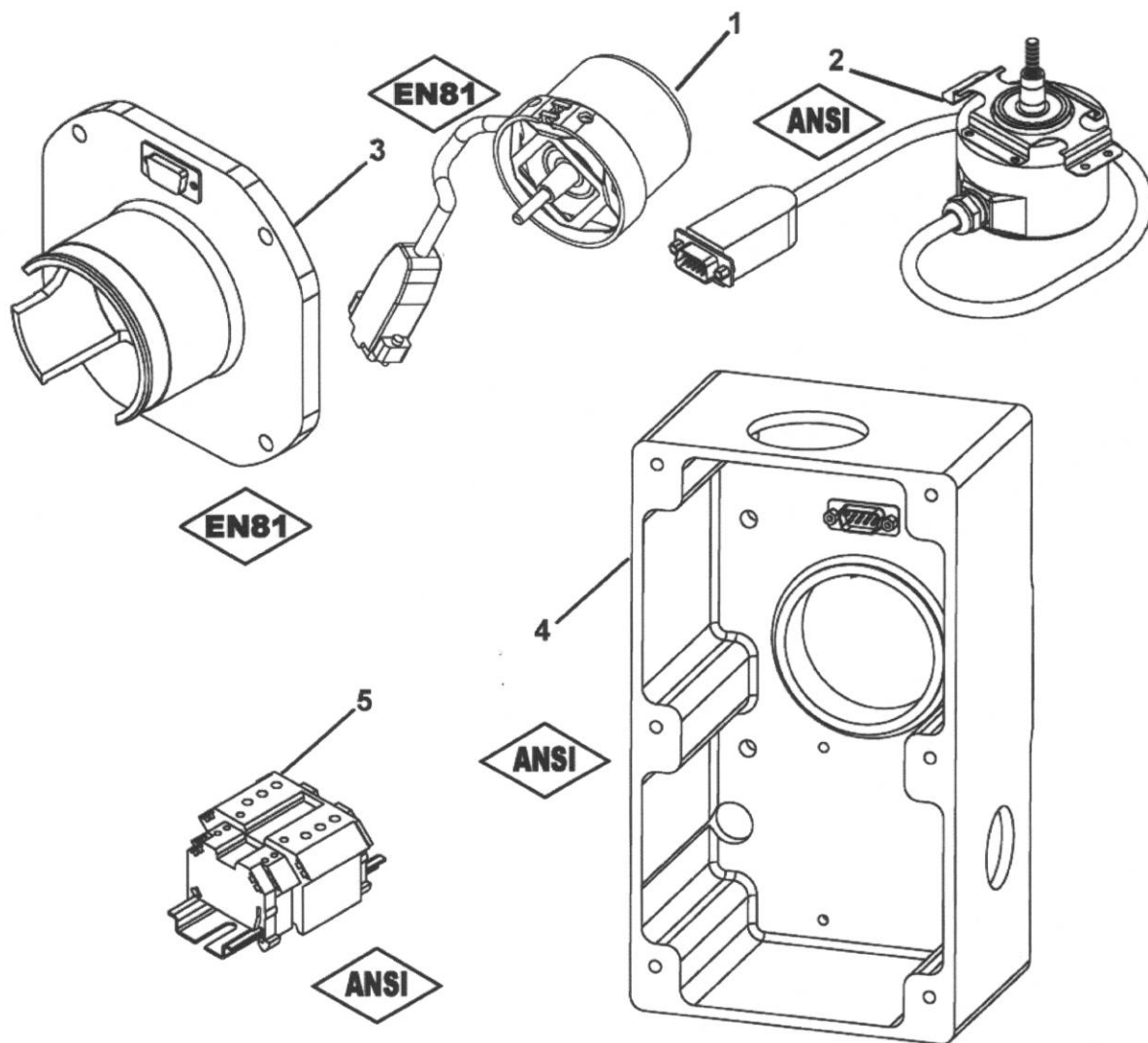
REF. NO.	PART or ML	DESCRIPTION	MOTOR VOLTAGE	LOAD (kg)	SPEED (m/s)
1	AAA20220AK35	Assembly, AC Gearless Machine with 27 V Brake and Incremental Encoder 	380 (minimum)	955	1.02 – 1.78
	AAA20220AK36			1135	
2	AAA384AHT1	Cover (Guard)			
3	AAA180JB1	Glue, Sealant, Loctite®243, 10 ml Bottle			
4	AAA27076AJ2	Kit, including (4) Hex Socket Head Cap Screws, M16 x 50 mm, (3) Hex Head Screws, M16 x 55 mm, and (1) Ref. 3			



AAA20220AK		
REF. NO.	PART or ML	DESCRIPTION
1	---	EN81-Certified Brake,  (SPL 07-TAC20222BC for details)
2	---	ANSI-Certified Dual Solenoid Brake,  (SPL 07-TAC20222BD for details)

Encoders

06-AAA20220AK



AAA20220AK				
REF. NO.	PART or ML	DESCRIPTION	W→ AAA20220AK ARRANGEMENTS	
1	AAA633Z1	Encoder, Main, Incremental, 2 Channel with Mounting Hardware and Allen Wrenches	1-6	EN81
2	AAA633AE1	Encoder, Main Incremental, 3 Channel with Mounting Hardware and Allen Wrenches	35, 36	ANSI
3	AAA20220R3	Kit, Encoder Hall Effect Replacement	1-6	EN81
4	AAA20220AM1	Kit, Encoder Hall Effect Replacement (does not include Terminal Block or Terminal Box Cover)	35, 36	ANSI
5	AAA21303CU1	Terminal Block		

**Gen2™ 5T AC Permanent
Magnet Gearless Machine
EN81 (Extended Duty)**

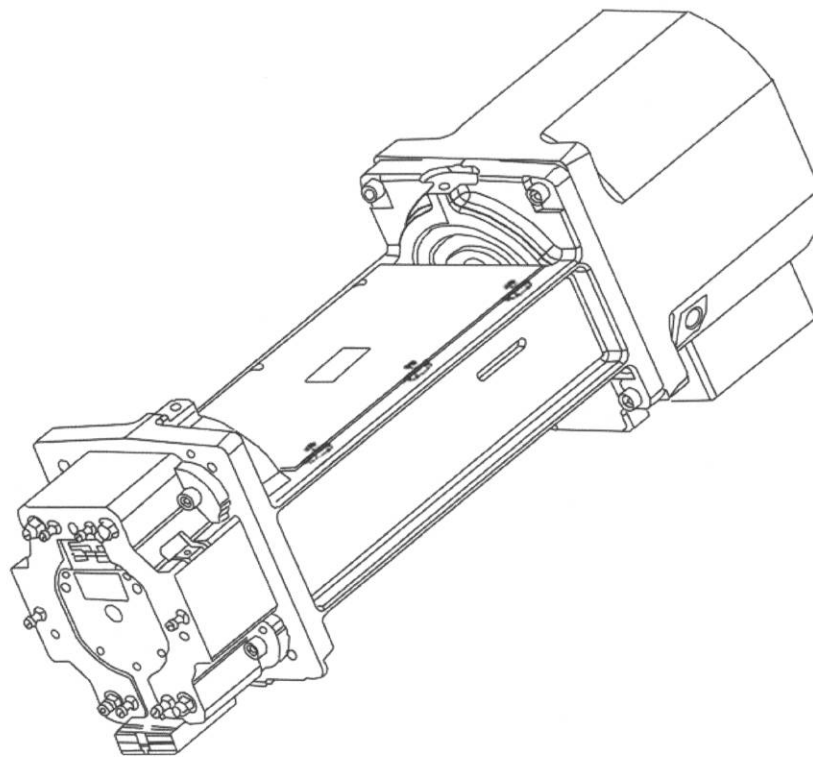
**Spare Parts Leaflet
06-AAA20220AP**

April 30, 2004 / Page 1 of 4

Supersedes SPL 06-AAA20220AP Dated March 17, 2003

GEN2™ 5T

EN81



Unpublished Work—© Otis Elevator Co.; 2004



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This SPL details spare parts for the GeN2 R2 five ton (5T) sheave shaft load, extended duty, permanent magnet (PM) AC three-phase motor gearless machine for European (EN81) and Asian markets.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
March 17, 2003	Amer Aziz	New SPL
April 30, 2004	James Draper	Updated SPL number in reference 1, on page 4

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA20220AP	AC Gearless Machine (PM) 3 Phase Motor (5.0T EN81)		

Related Documents

Document ID	Title
Otis Doc. 54694	Functional Requirements for GeN2 R2 (extended duties) PM AC Gearless Machine
Otis Doc. 55763	GeN2—5T Machine Basic Data

Subject Matter Expert

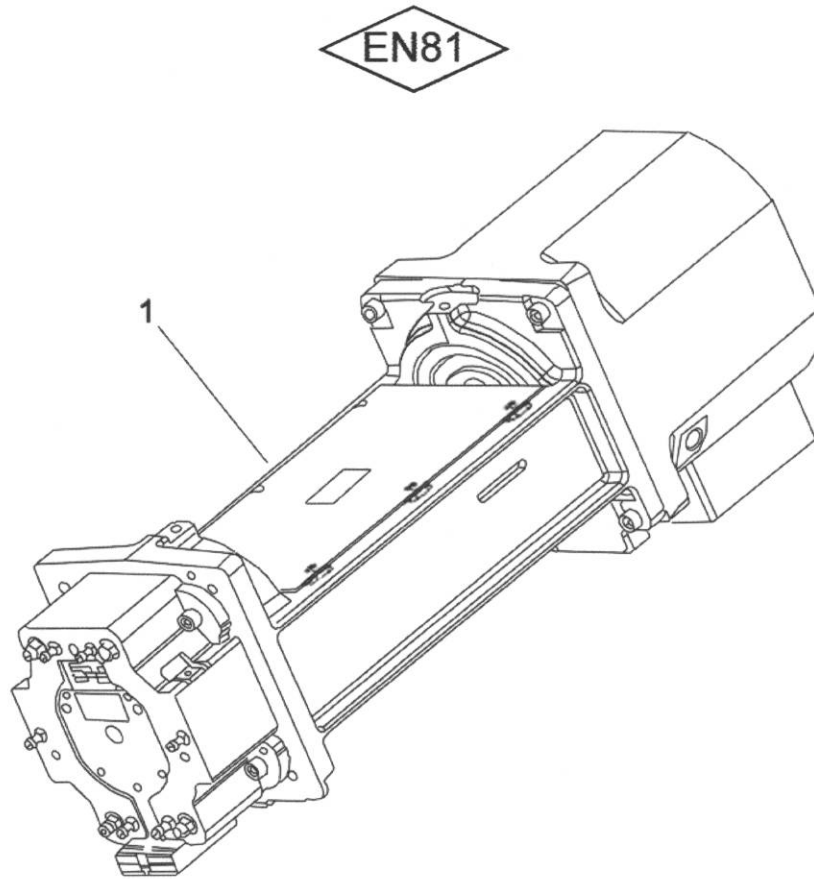
Name	Department
James Draper	OECF Dept. 855 (Machines)

About Spare Parts Leaflets...

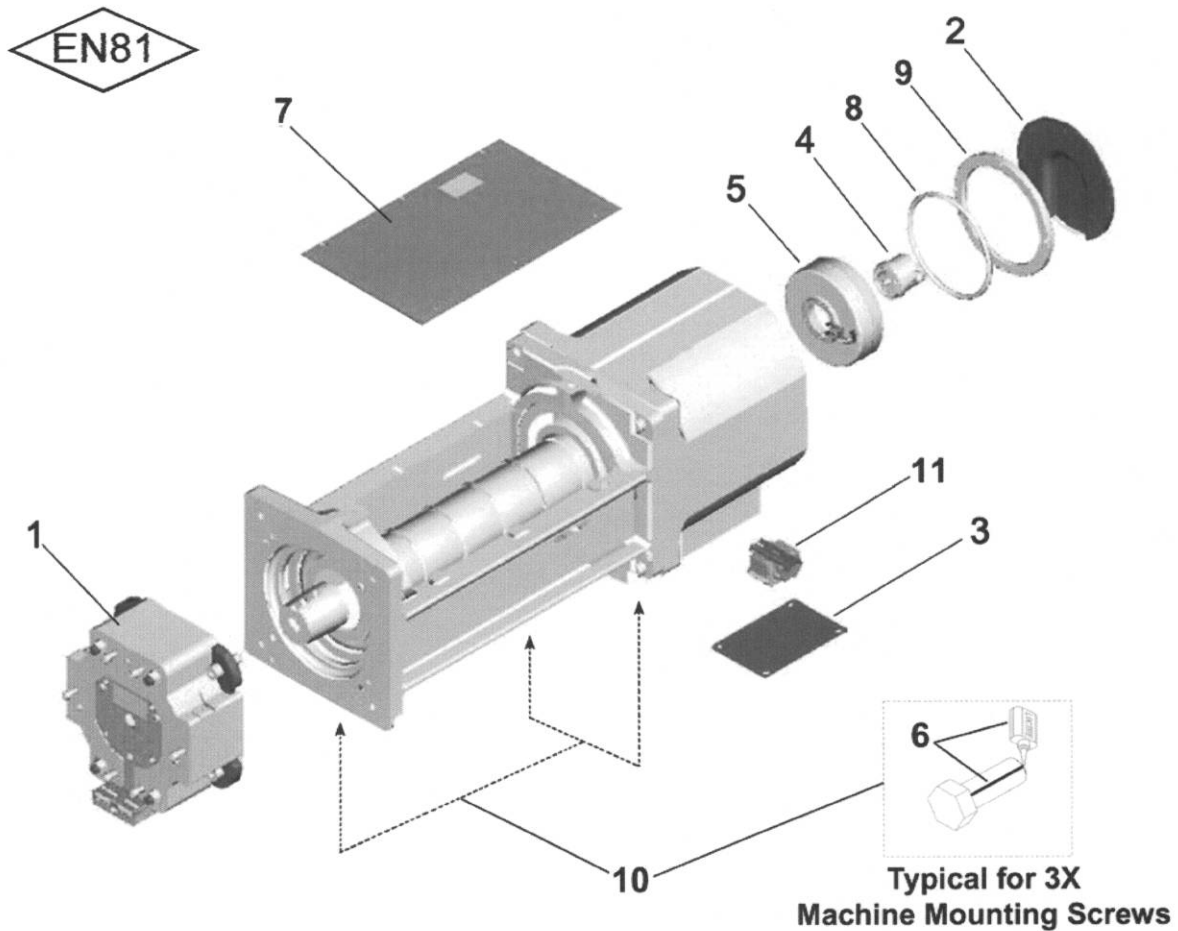
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.



REF. NO.	PART NO.	DUTY (kg)	SPEED (m/s)	COUNTRY	DESCRIPTION	REMARKS
1	AAA20220AP1	1150–1600	1.0–1.75	All Except Korea	Machine Assembly, GeN2 5T (EN81) 3-Phase, AC Permanent Magnet Gearless Machine with CEN EN81 Compliant Brake	Two-Channel Incremental Encoder with 6.0 m Cable
	AAA20220AP5	1150–1600	1.0–1.75	Korea		Two-Channel Incremental Encoder with 8.5 m Cable
	AAA20220AP11	1800–2000	1.0–1.75	All Except Korea		Two-Channel Incremental Encoder with 6.0 m Cable



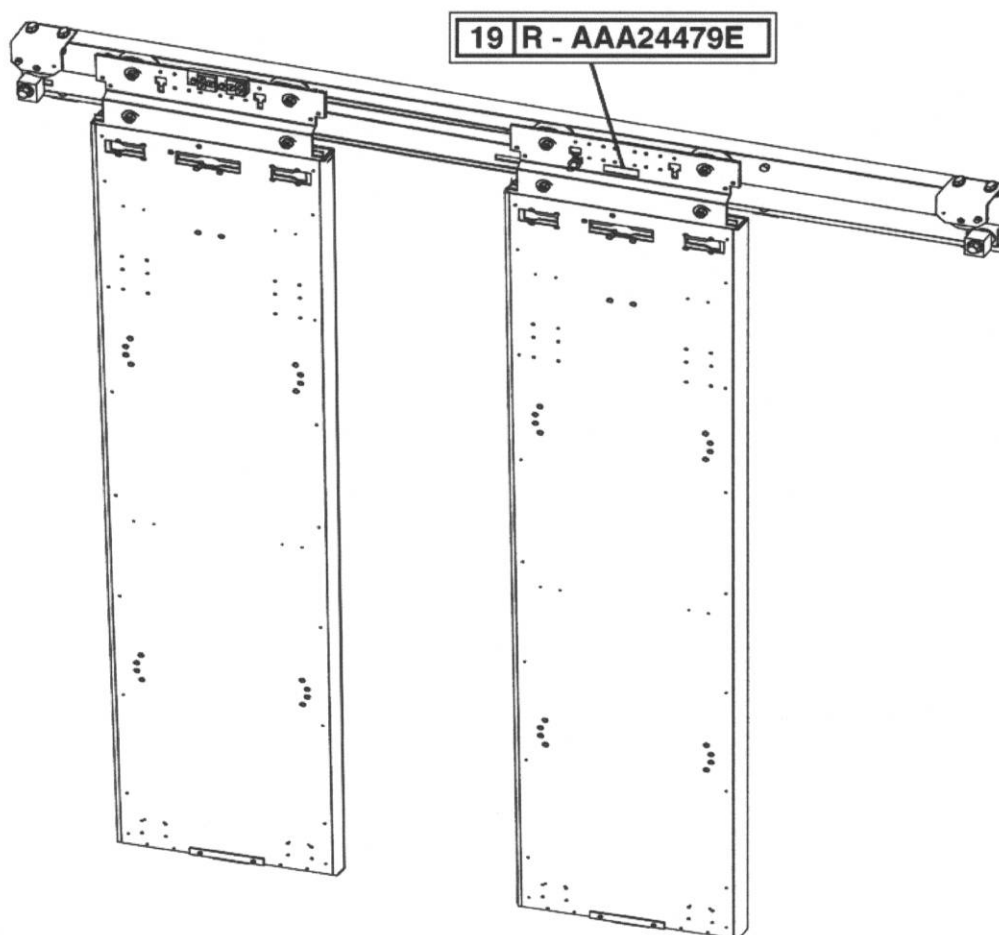
REF. NO.	PART NO.	DESCRIPTION	REMARKS
1	---	Brake, Single Coil (torque per EN81 requirements)	SPL 07-TAB20236H for Details
2	AAA346BBT1	Cover, End	---
3	AAA346BBS1	Cover, Terminal Block	EN81
4	AAA633Z2	Encoder, Main	Two-Channel Incremental Encoder
5	AAA20220AQ1	Encoder, Rescue Sensor Assembly	---
6	AAA180JB1	Glue, Loctite® 243 Threadlocker, 10 ml Bottle	Glue Holder
7	AAA384AHX1	Guard, Sheave	---
8	AAA182AZ1	Packing, O-Ring	---
9	AAA172UJ1	Ring, Clamp	---
10	Purchase Locally	Screws, Machine Mounting, M20x55 Hex-Head, ISO4017M20x55 8.8Z	Torque to 120 Nm
11	AAA21303CW1	Terminal Block Assembly	---

Car Door (Weldless)

Spare Parts Leaflet

19-AAA24479E

February 12, 2003 / Page 1 of 4



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This SPL supports the LRUs for the “weldless” door.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
February 12, 2003	Amer Aziz	New SPL

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA24479E	Door Assembly, Car Door for I-Motion, Black Belt, and AT-400 Operators (Weldless Door)	---	---

Related Documents

Document ID	Title
19-AAA6178CS	Integral Car Door Hanger and Track Assembly
19-AAA6940BY	Hinged Door Stop
20-AAA24591T	Door Detector LAMBDA [®] III, Emitter, Detector & Controller
23-AAA24350BH	Harmonic Drive I-Motion [®] II Car Door Operator
23-AAA24470Q	Black Belt Door Operator, Center-Opening Doors Linkage Assembly
25-AAA24479AAA	Door Bottom Guides and Retainers

Subject Matter Expert

Name	Department
Amer Aziz	Bloomington Engineering

About Spare Parts Leaflets...

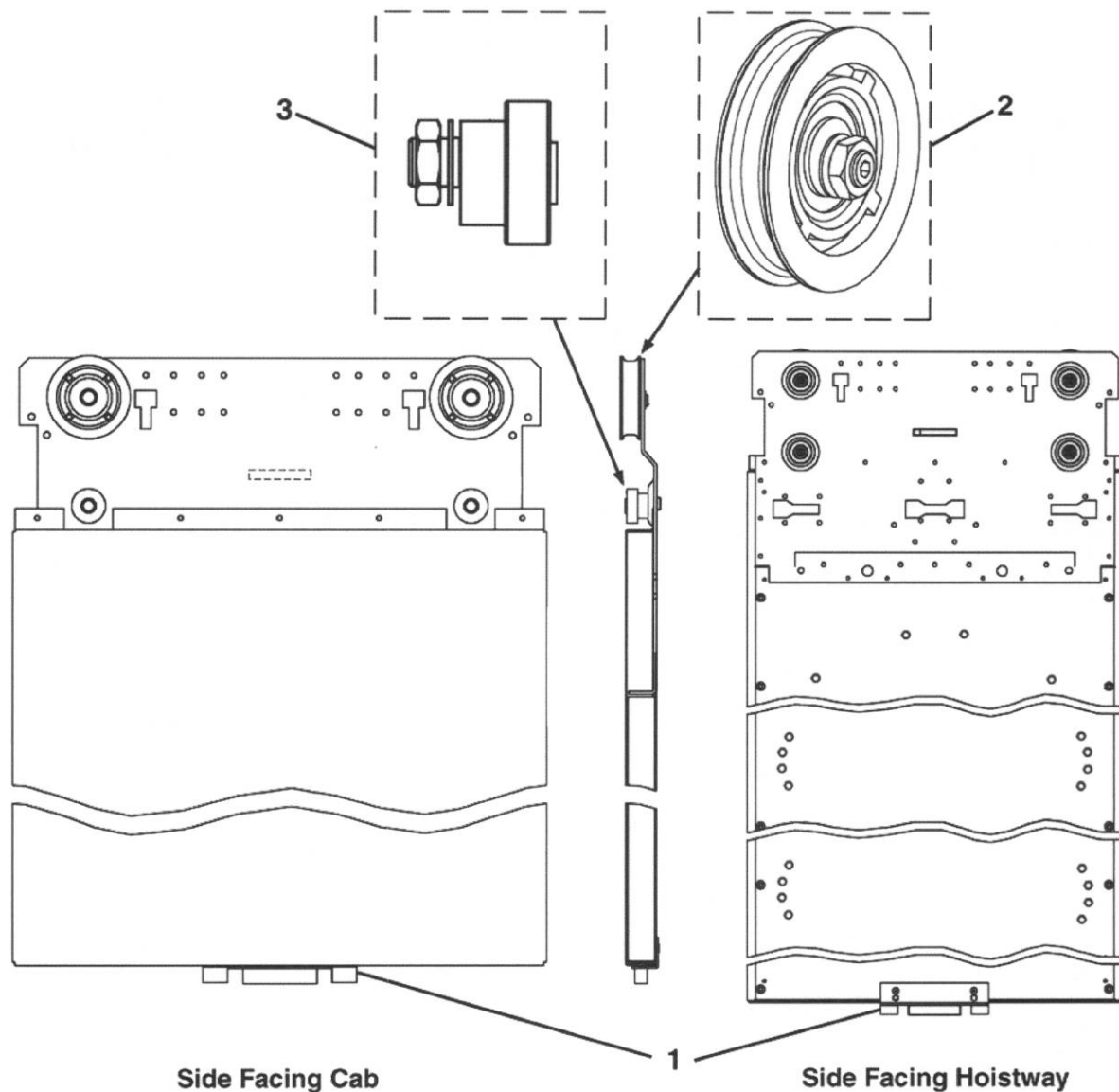
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

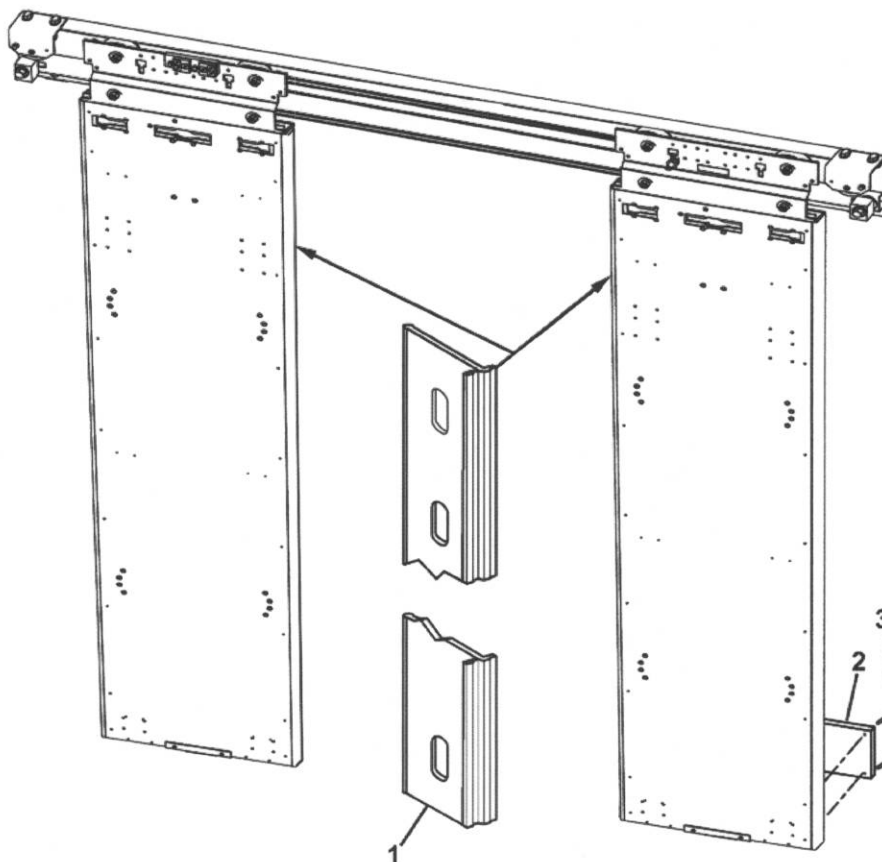
Car Door Spare Parts

19-AAA24479E



AAA24479E

REF. No.	PART No.	DESCRIPTION
1	AAA24479C400	Assembly, Door Guide, Type AAA24479C,  SPL 25-AAA24479AAA
2	AAA456YA3	Assembly, Roller, Door (with nut and washer), 86 mm (3.375 in.) 
3	AAA456XZ5	Assembly, Roller, Eccentric (with nut and washer), 35 mm (1.4 in.) 



	AAA24479E		
REF. No.	PART No.	DESCRIPTION	
1	AAA402ZX3	Astragal, 2883 mm L, (for 9 ft. Openings) Slots on 4 in. Centers	
	AAA402ZX4	Astragal, 2182 mm L, (for 7 ft. Openings) Slots on 12 in. Centers	
	AAA402ZX5	Astragal, 2487 mm L, (for 8 ft. Openings) Slots on 12 in. Centers	
2	AAA386KWU1-	See Note	Plate, Kick, 18.4 in. L, for 36 in. Center-Opening Doors
	AAA386KWU2-		Plate, Kick, 21.4 in. L, for 42 in. Center-Opening Doors
	AAA386KWU3-		Plate, Kick, 24.4 in. L, for 48 in. Center-Opening Doors
	AAA386KWU4-		Plate, Kick, 37.3 in. L, for 36 in. Single-Slide Door
	AAA386KWU5-		Plate, Kick, 43.3 in. L, for 42 in. Single-Slide Door
	AAA386KWU6-		Plate, Kick, 21.9 in. L, for 42 in. Two-Speed Doors
	AAA386KWU7-		Plate, Kick, 24.9 in. L, for 48 in. Two-Speed Doors
	AAA386KWU8-		Plate, Kick, 27.9 in. L, for 54 in. Two-Speed Doors
3	AAA124FS1	Screw, Phillips Head, Undercut, Stainless Steel Finish #6-32x1/2 in. L	
	AAA124FS2	Screw, Phillips Head, Undercut, Bronze Finish, #6-32 x 1/2 in. L	
NOTE: The full part identification is the part number, a dash (-), and the material finish. SS4 = Stainless Steel (Brushed)BR7 = Bronze (Brushed) BR8 = Bronze (Mirror)SS8 = Stainless Steel (Mirror)			

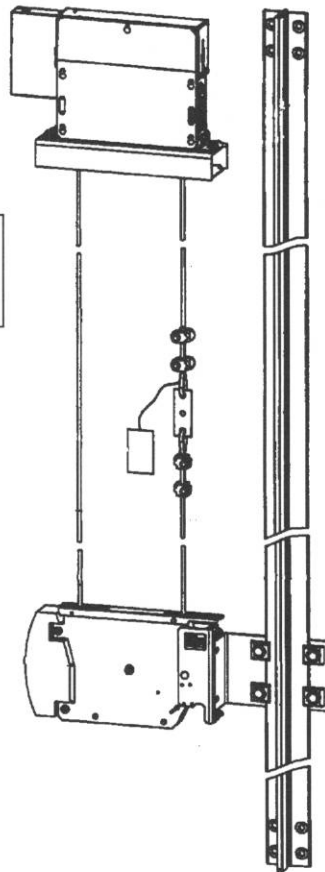
Car Governor System (Gen2™ Extended Duty)

Spare Parts Leaflet

15-AAA29513B

July 10, 2003 / Page 1 of 3

**W/O
VINTAGE**



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for the car governor components used with the Gen2™ extended duty elevator system.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
July 10, 2003	Wendy Smerk	New SPL

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA29513B	Gen2 R2 ED Arrangement & Assembly Car Governor System	AAA29000AD	Arrangement Gen2 R2 NAA (2500–4000 lb. passenger duties) (4000–5000 lb. hospital duties)

Related Documents

Document ID	Title
SPL 15-TAA20602B	Governor Traction System Sheave Ø 305 mm Limitador Sistema Traccion Polea Ø 305 mm
SPL 15-T**22700E	Tension Device Tensalimitador

Subject Matter Expert

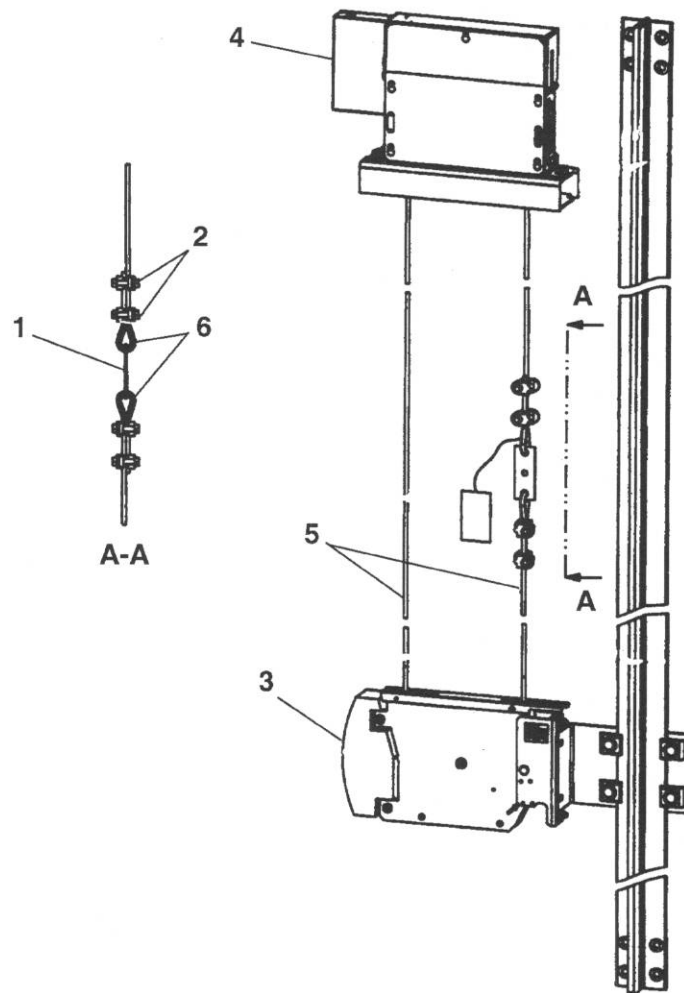
Name	Department
Wendy Smerk	NAA SIT, Bloomington

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.



W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	AAA299AQA1	Bar
2	336KX1	Clamp, Rope
3	---	Device, Tension (see SPL 15-T*A22700E)
4	---	Governor, Speed, Type B (see SPL 15-T**20602B)
5	AAA712W3	Rope (for governor), 9.5 mm Diameter (3/8 in.), L = 2* (2000 + Pit + Rise + Overhead) mm
6	AAA231R2	Thimble, Rope

Car Governor System

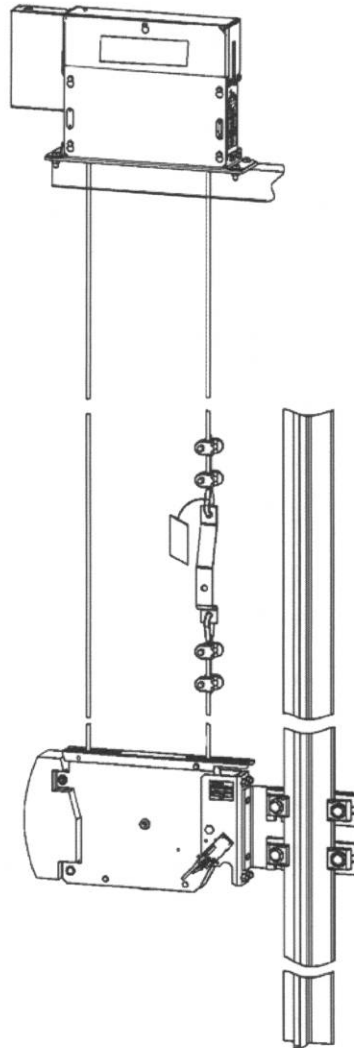
(GeN2™ Limited Duty)

Spare Parts Leaflet

15-AAA29513A

June 24, 2003 / Page 1 of 3

**W/O
VINTAGE**



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for the car governor components used with the GeN2™ Limited Duty elevator system.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
June 24, 2003	Wendy Smerk	New SPL

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA29513A	GeN2 R2 Arrangement & Assembly Car Governor System	AAA29000AC	Arrangement GeN2 R2 NAA (953 & 1134 Kg Duties)

Related Documents

Document ID	Title
SPL 15-TAA20602B	Governor Traction System Sheave Ø 305 m/m Limitador Sistema Traccion Polea Ø 305 mm
SPL 15-T...22700E	Tension Device Tensalimitador

Subject Matter Expert

Name	Department
Wendy Smerk	NAA SIT, Bloomington

About Spare Parts Leaflets...

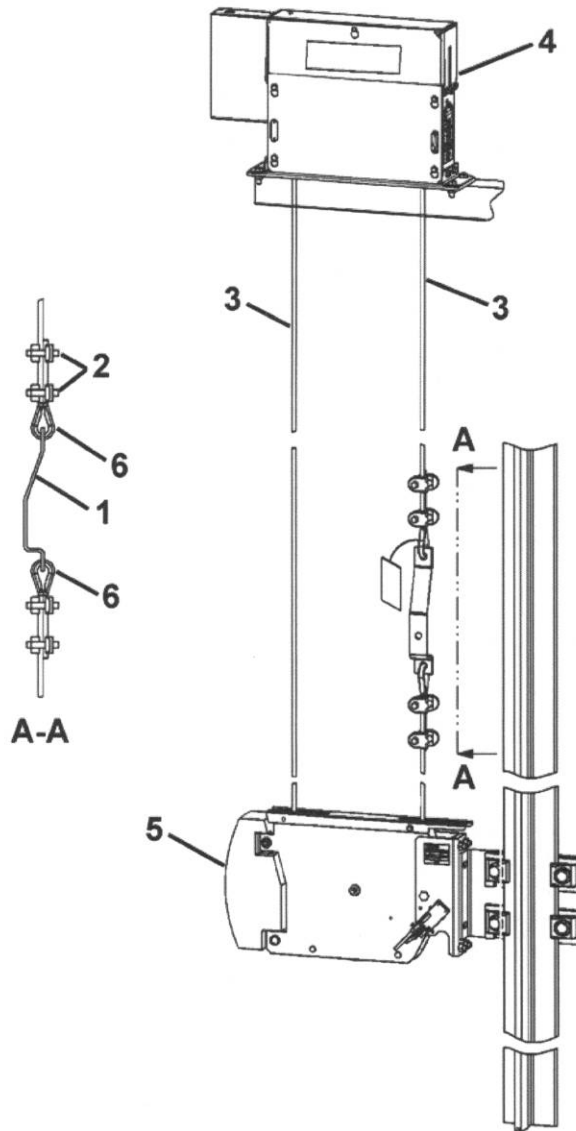
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

Car Governor System

15-AAA29513A



W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	FAA299CJ1	Bar
2	336KX1	Clamp, Rope
3	AAA712W3	Rope (for governor), 9.5 mm (3/8 in.) Dia., (L=2*(2+Pit + Rise + Overhead)m)
4	---	Speed Governor (Type B) (See SPL 15-T...20602B)
5	---	Tension Device (See SPL 15-T_A22700E)
6	AAA231R2	Thimble, Rope

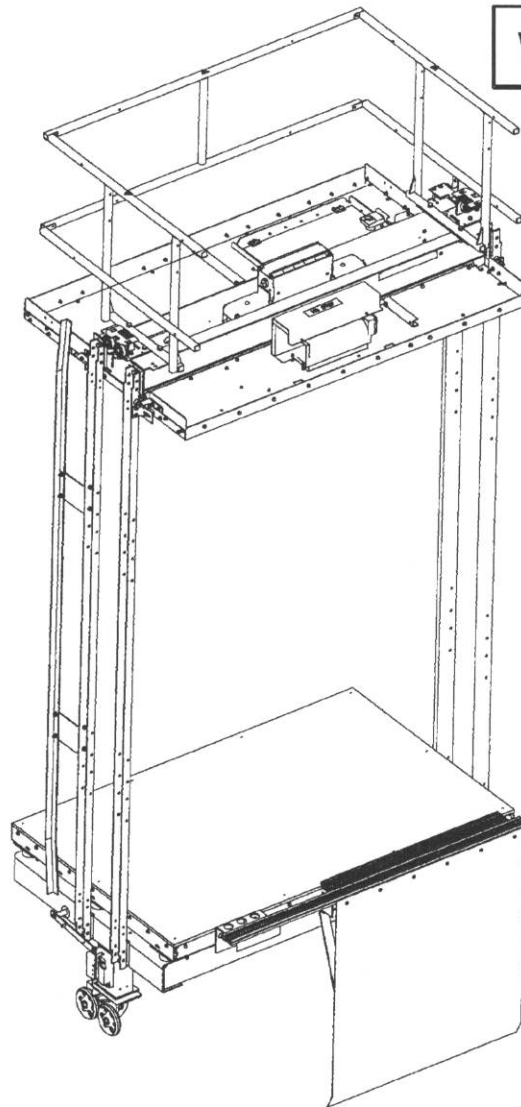
Gen2™

**953 kg and 1134 kg Duties
Carframe, Platform, Ceiling,
and Balustrade**

Spare Parts Leaflet

14-FAA24011Z

July 16, 2003 / Page 1 of 9



W/O VINTAGE

Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare part information for FAA24011Z carframe, platform, ceiling, and balustrade. This component is used in the 953 kg (2100 lb.) and 1134 kg (2500 lb.) duty Gen2™ elevators for A17.1–2000 applications.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
July 16, 2003	J. Draper	New SPL
---	---	---

Related Drawings

Drawing No.	Title	Drawing No.	Title
FAA24011Z	Carframe + Platform + Ceiling + Balustrade	AAA22439U	Position Transducer Arrangement: Gen2 LD
---	---	---	---

Related Documents

Document ID	Title
---	---
---	---

Subject Matter Expert

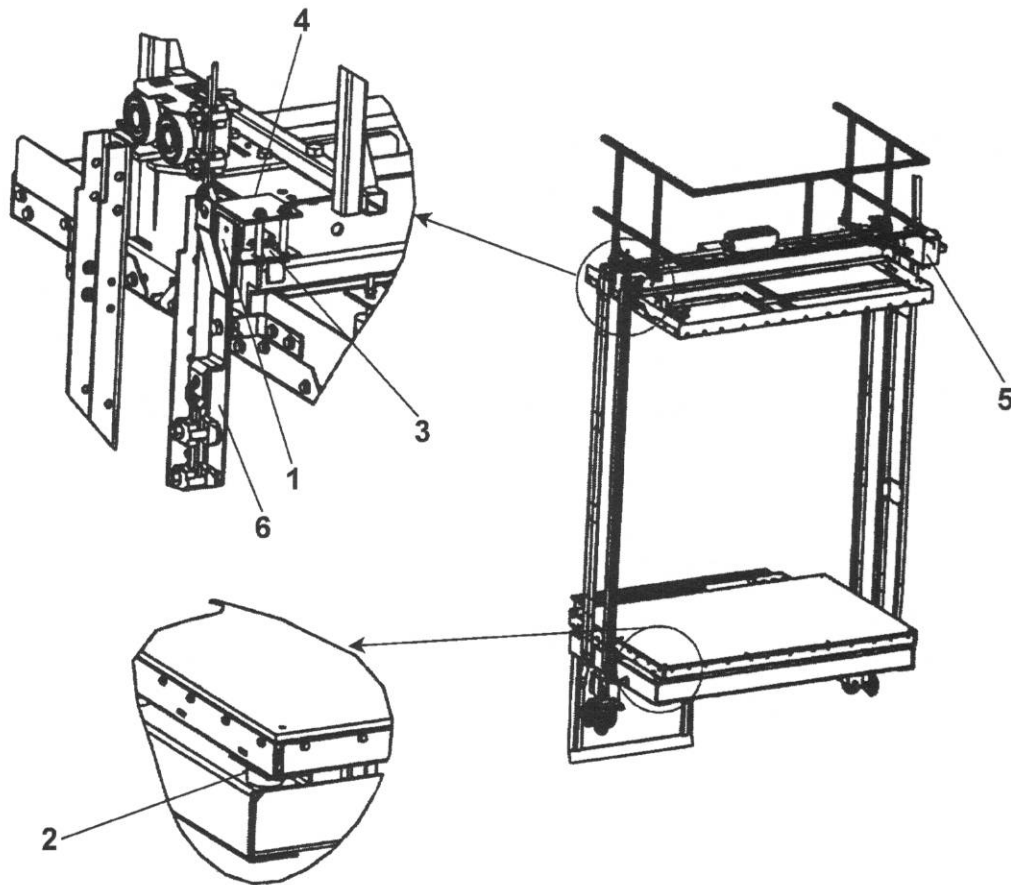
Name	Department
J.M. Draper	OECF Mechanical Engineering

About Spare Parts Leaflets...

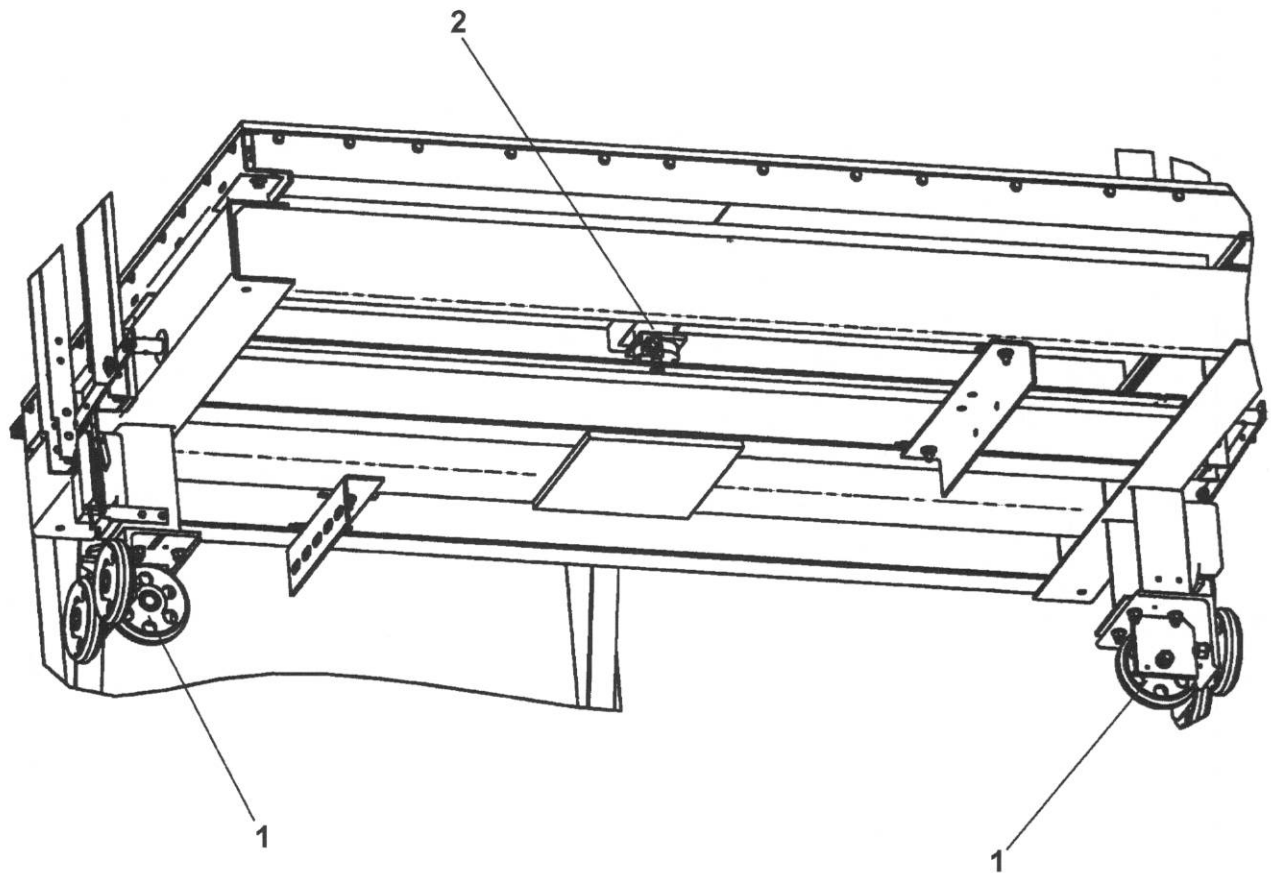
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

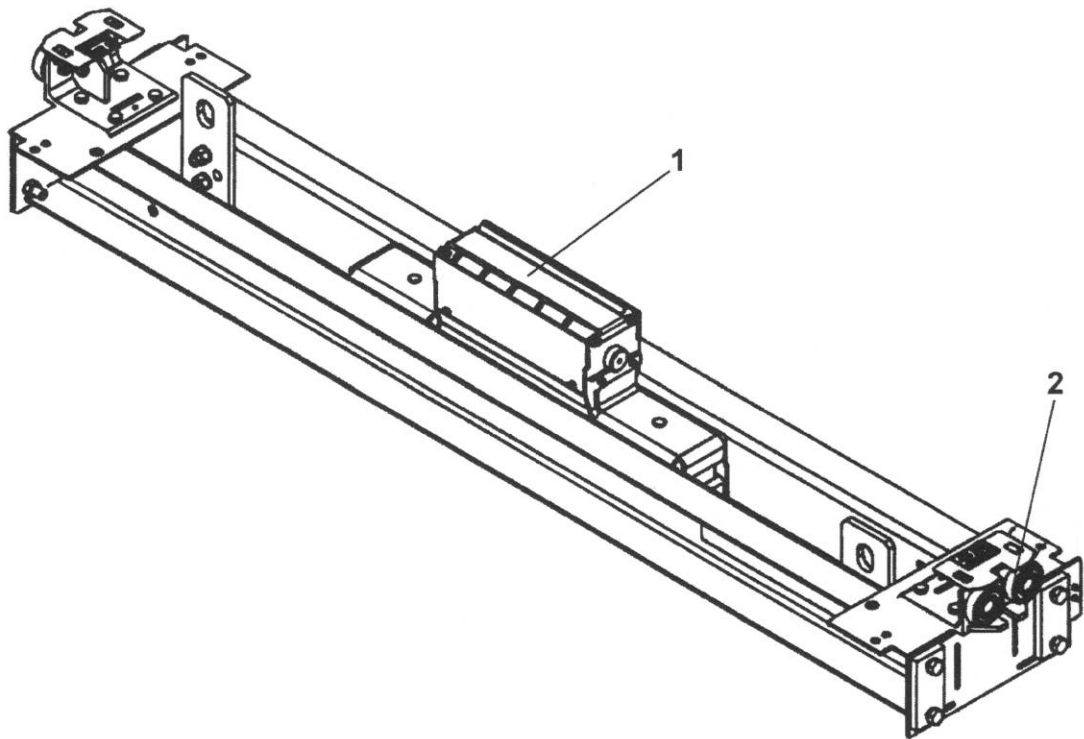
If you have any suggestions about this document, please contact the subject matter expert listed on this page.



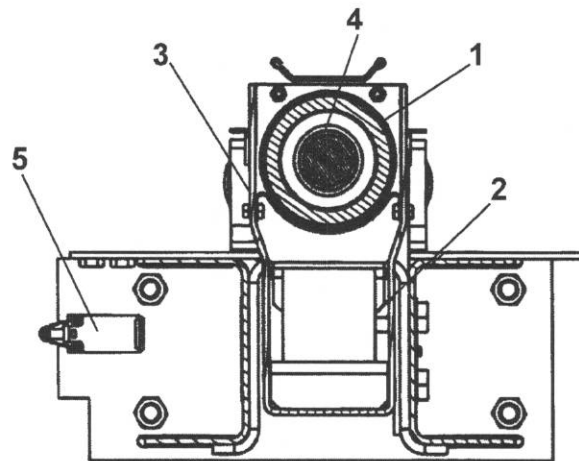
W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	FAA299CJ1	Bar, Safety Linkage
2	A310JF1	Block, Isolation Pad
3	AAA316GXB1	Bracket, SOS Actuating Cam (as shown governor car left)
	AAA316GXB2	Bracket, SOS Actuating Cam (opposite as shown governor car right)
4	AAA316GXA1	Bracket, SOS (as shown governor car left)
	AAA316GXA2	Bracket, SOS (opposite as shown governor car right)
5	ABA7630Z1	Device, Position Transducer, See SPL 12-AAA7630Z
6	FAA430G998	Link, Between SOS/Safety Block (order to length), (as shown governor car left)
	FAA430G999	Link, Between SOS/Safety Block (order to length), (opposite as shown governor car right)



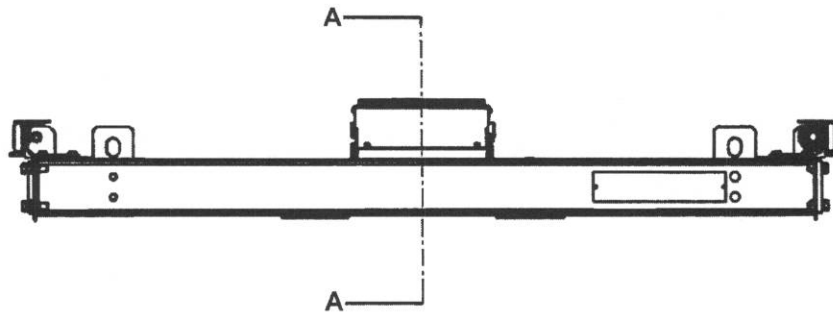
W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	---	Guides, Roller (bottom), #1 and # 1-1/2 Rails, See SPL 14-AAA24180AX
	---	Guides, Roller (bottom), #2 Rails, See SPL 14-AAA24180AX
2	---	Transducer, Load Weighing, See SPL 17-6183CD



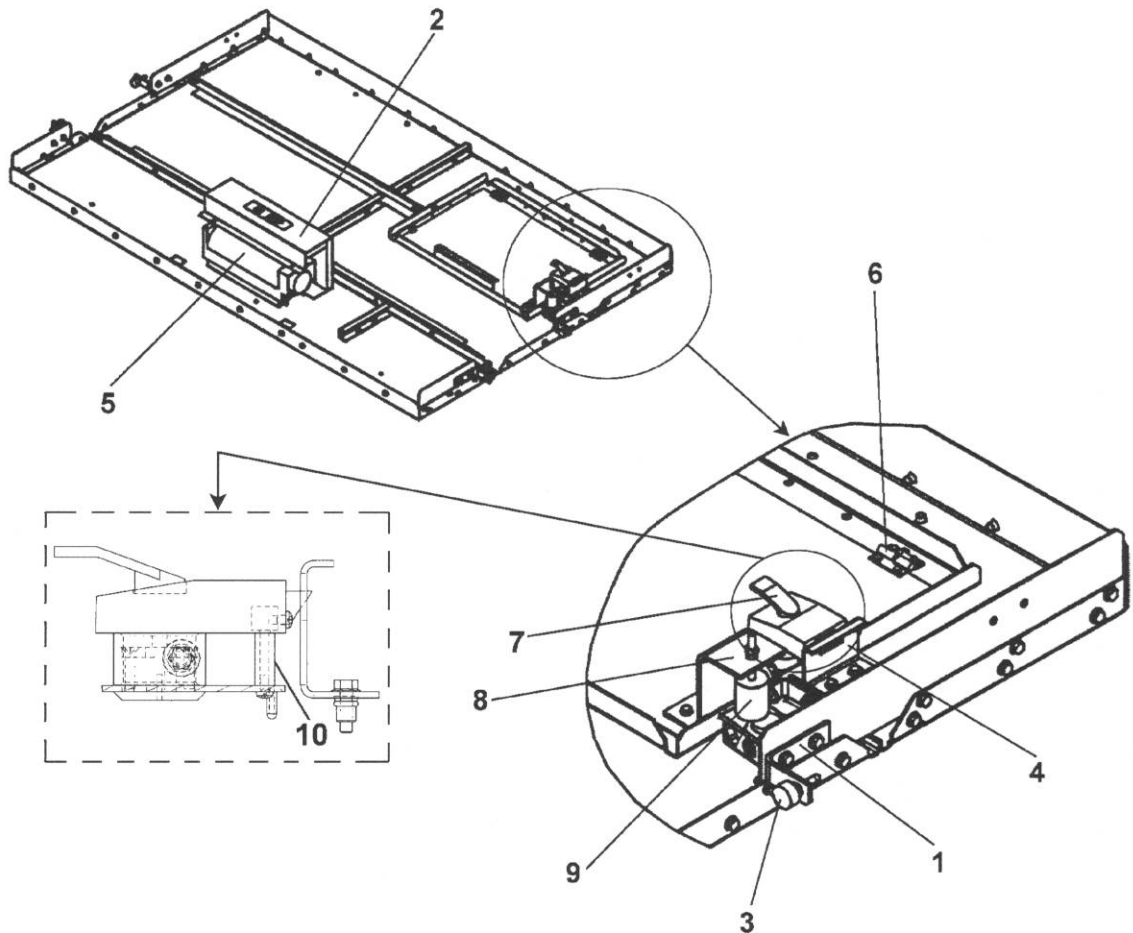
W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	AAA384HK1	Guard, Sheave
2	- - -	Guide, Roller (top), for #2 Rail, See SPL 14-AAA24180AW
	- - -	Guide, Roller (top), for #1 and 1 1/2 Rail, See SPL 14-AAA24180AW



Section A-A

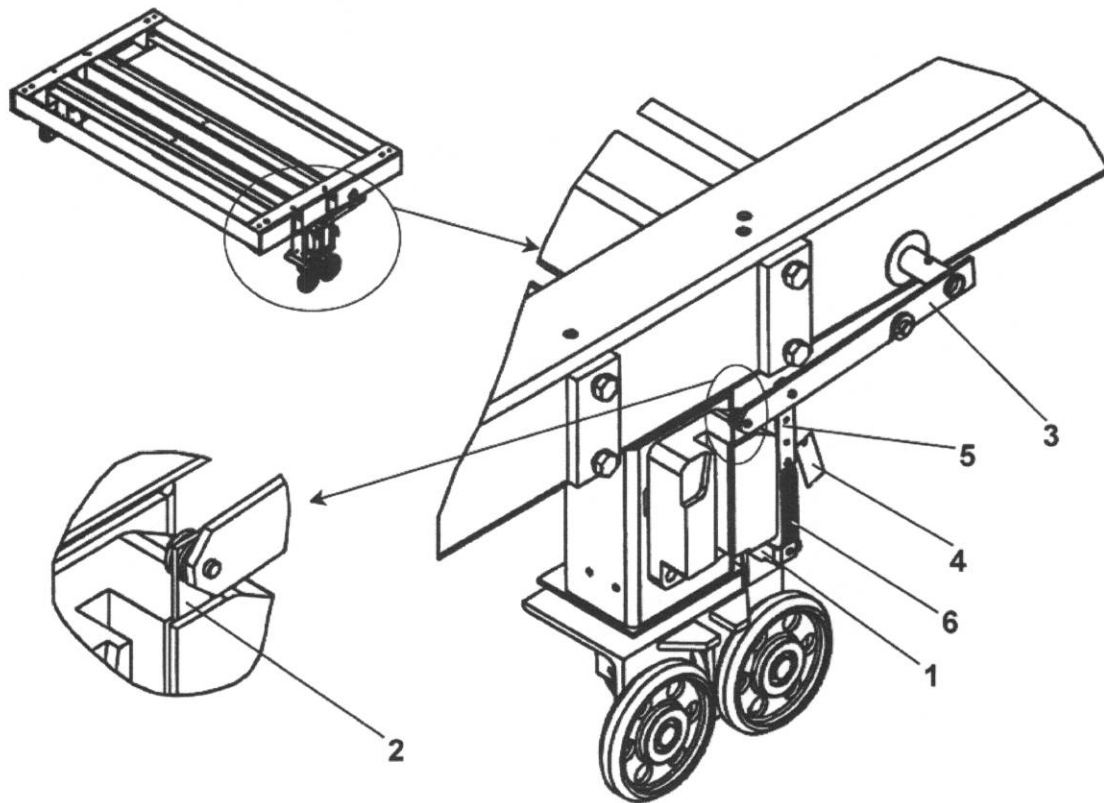


W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	AAA20780A2	Assembly, Sheave (includes bearings)
2	AAA310RB1	Block, Rubber Isolation
3	AAA384AFK1	Guard, Bottom
4	AAA462T1	Spacer
5	AAA661D5	Switch, SOS



W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	FAA316CGF1	Angle, Cab Steadier (w/o bumper ref. 3)
2	AAA308WD1	Baffle, Fan Cover
3	FAA320AV1	Bumper, Cab Steadier
4	AAA347BCA2	Channel, Latch
5	AAA24720V1	Fan
6	391W23	Hinge, Female
	391W22	Hinge, Male
*	---	Key, Yale 1245
7	AAA431AM1	Lock, Emergency Exit
8	176DE2	Plug, w/Bracket
9	618AD1	Socket, Emergency Exit
10	354AD3	Spacer

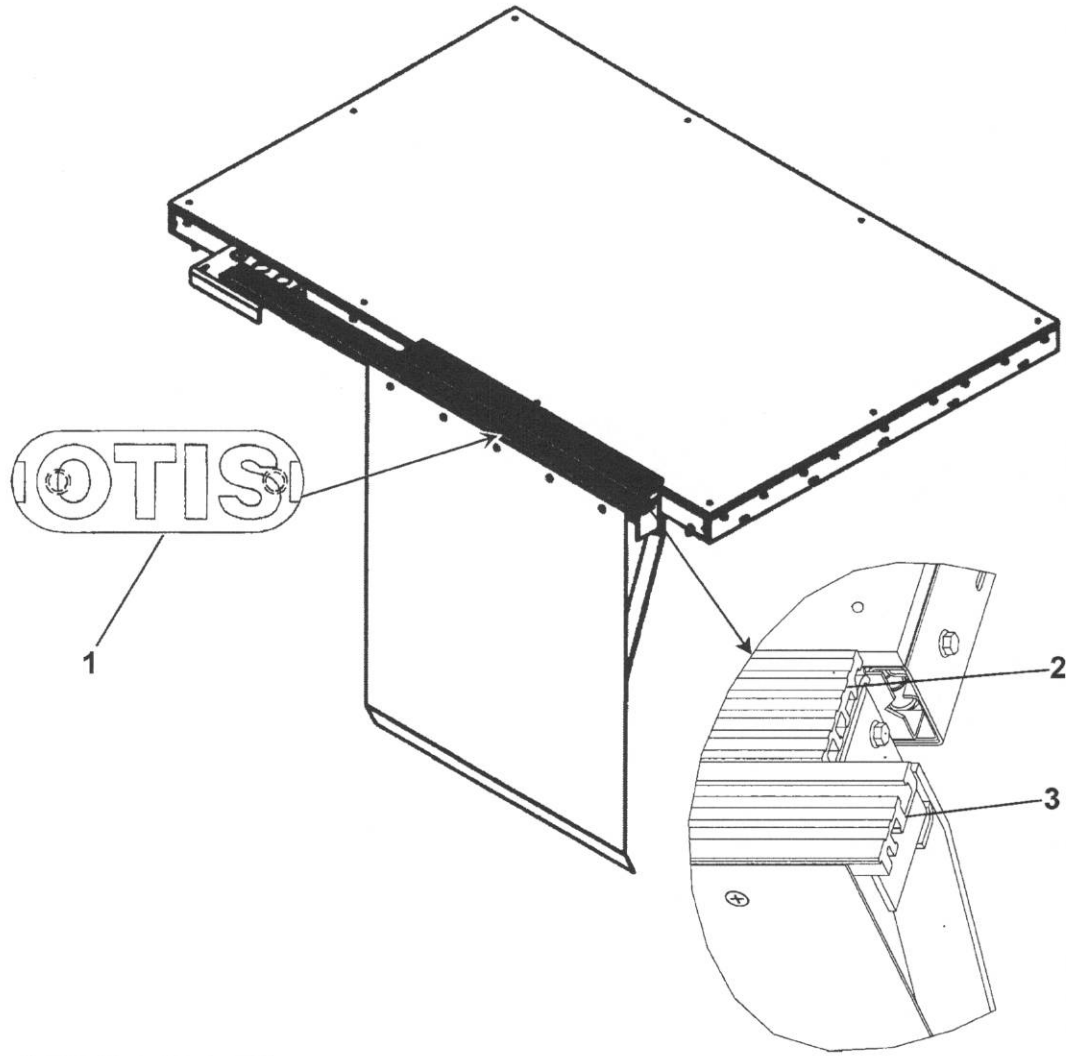
* Part not shown.



W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	FAA316CGH1	Bracket, Spring Retention
2	FAA288DR1	Lever (as shown, car left)
	FAA288DR2	Lever (opposite as shown, car right)
3	FAA288DT1	Lever, Safety
4	102DR1	Plate, Data
5	FAA386AZN1	Plate, Spring Linkage
6	AAA91AX2	Spring, Extension, Rise 0–32.1 Meters
	AAA91AX3	Spring, Extension, Rise 32.2–53.5 Meters
	AAA91AX4	Spring, Extension, Rise 53.6–75.0 Meters

Threshold Assembly

14-FAA24011Z



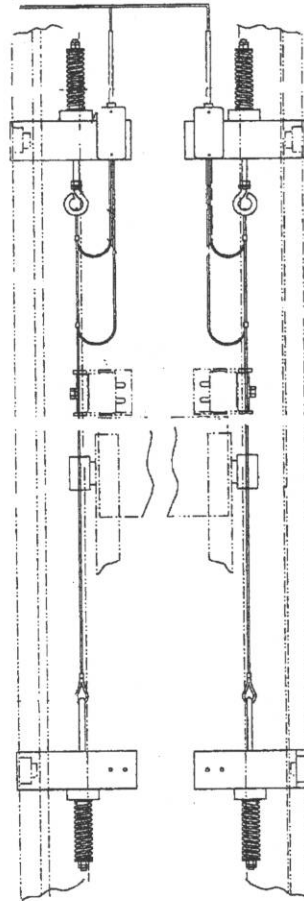
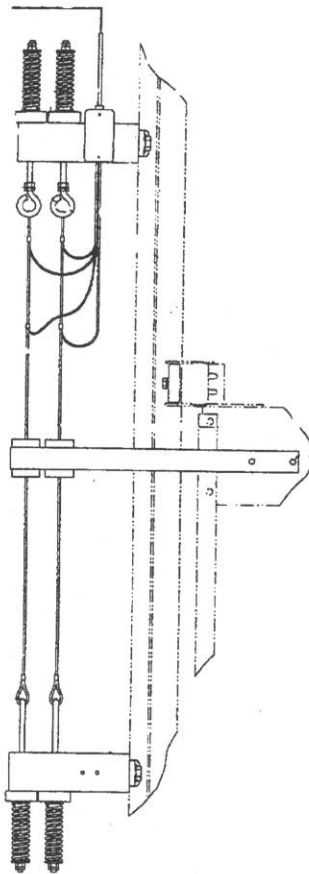
W/O VINTAGE			
REF. No.	PART No.	DESCRIPTION	MATERIAL FINISH
1	102HX1-AL	Plate, Name	Aluminum
	102HX1-BR		Brass
	102HX1-NS		Nickel Silver
2	50AJR-41-48	Shape, Extruded Threshold Extension, 48 in. Long	Aluminum
	50AJR-7-48		Brass
	50AJR-45-48		Nickel Silver
3	50AHV-AL-72	Shape, Extruded Threshold, S/S & C/O, 72 in. Long	Aluminum
	50AHV-BR-72		Brass
	50AHV-NS-72		Nickel Silver

**Counterweight
Displacement Detector
(Gen2™ Extended Duty)**

**Spare Parts Leaflet
16-AAA22000AAD**

August 13, 2003 / Page 1 of 3

**W/O
VINTAGE**



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This SPL lists the lowest replaceable parts for a counterweight displacement detector for the Gen2™ Extended Duties.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
August 13, 2003	Wendy Smerk	New Leaflet

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA22000AAD	Assembly and Arrangement Cwt Displacement Detector Gen2R2 ED		
AAA29508B	Hoistway Material Gen2 ED		

Related Documents

Document ID	Title
ABA25700G	Counterweight

Subject Matter Expert

Name	Department
Wendy Smerk	NSAA SIT, Bloomington

About Spare Parts Leaflets...

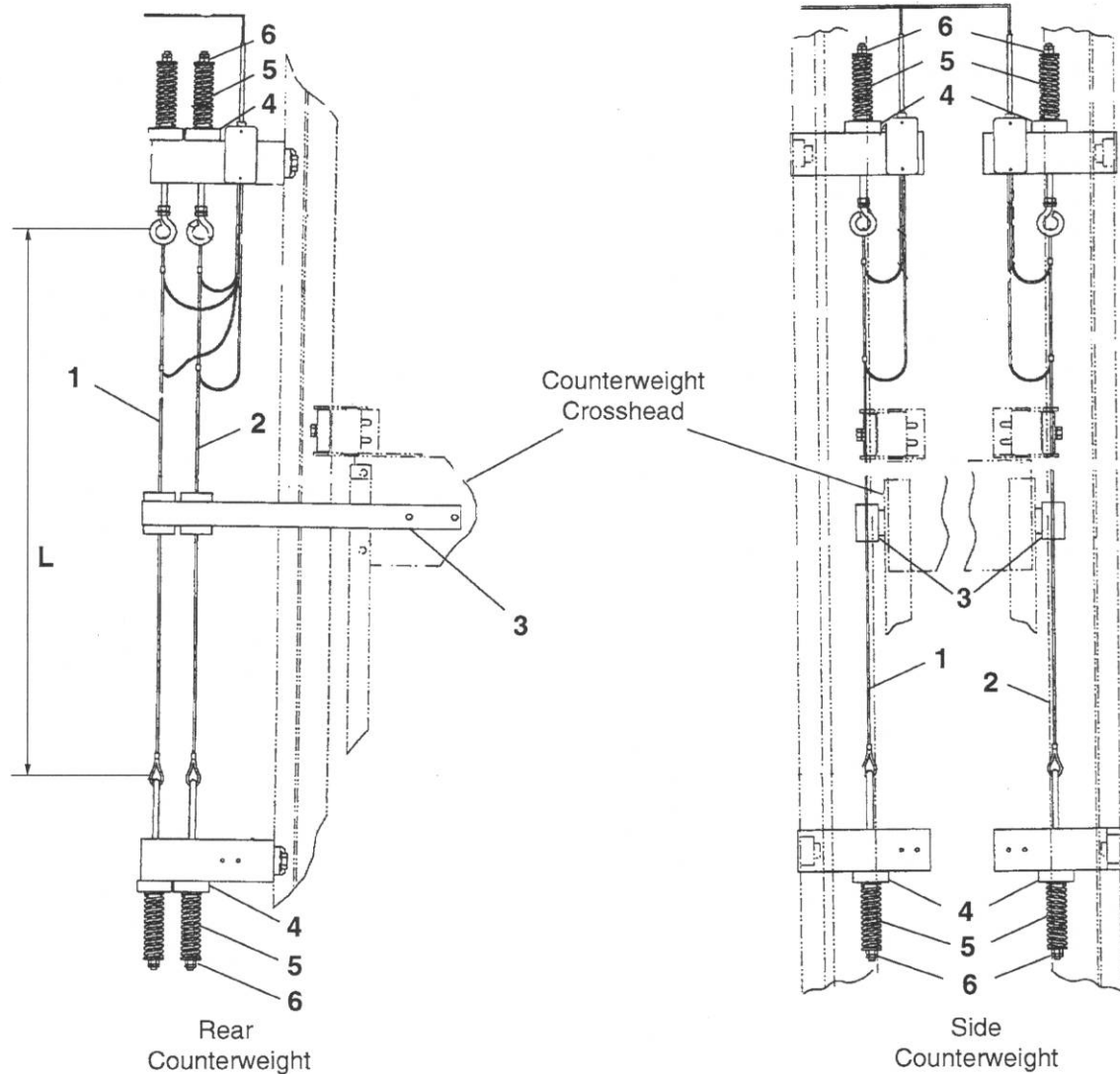
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

Counterweight Displacement Detector Components

16-AAA22000AAD



W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	AAA00174AAD999	Assembly, Sensing Wire (Brown), L = Rise + Pit + Overhead (in.)
2	AAA00174AAD998	Assembly, Sensing Wire (Brown/White), L = Rise + Pit + Overhead (in.)
3	AAA316GSZ7	Bracket, Detector, Rear Counterweight
	AAA316GSZ5	Bracket, Detector, Side Counterweight
4	AAA00334AAB001	Bushing, Insulating
5	90BN1	Spring
6	133E20	Washer, Spring Seat

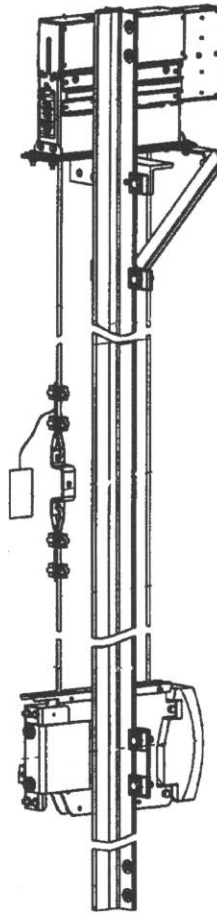
**Counterweight
Governor System
(Gen2™ Extended Duty)**

Spare Parts Leaflet

15-AAA29513C

July 10, 2003 / Page 1 of 3

**W/O
VINTAGE**



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for the counterweight governor system used with the Gen2™ extended duty elevator system.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
July 10, 2003	Wendy Smerk	New SPL

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA29513C	Gen2 R2 ED Arrangement & Assembly Counterweight Governor System	AAA29000AD	Arrangement Gen2 R2 NAA (2500–4000 lb. passenger duties) (4000–5000 lb. hospital duties)

Related Documents

Document ID	Title
SPL 15-TAA20602B	Governor Traction System Sheave Ø 305 mm Limitador Sistema Traccion Polea Ø 305 mm
SPL 15-T**22700E	Tension Device Tensalimitador

Subject Matter Expert

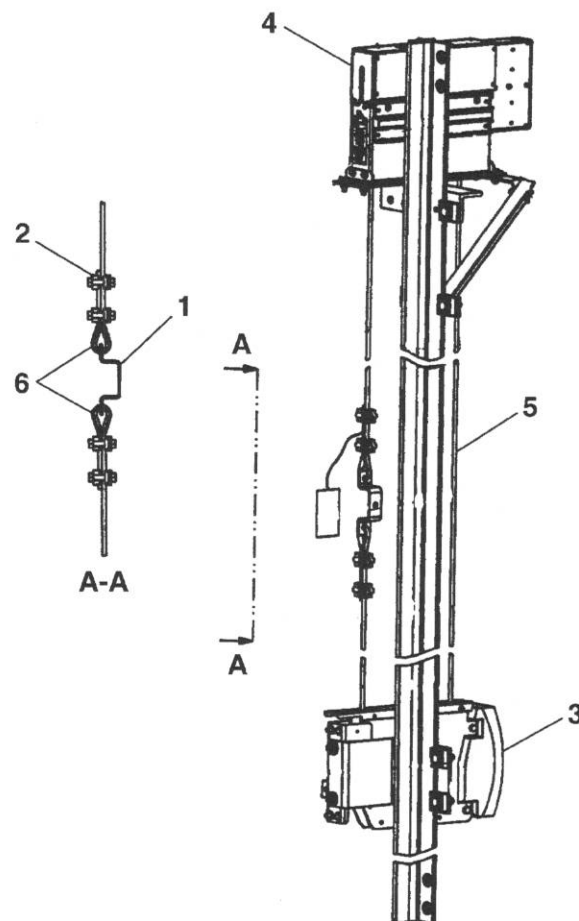
Name	Department
Wendy Smerk	NAA SIT, Bloomington

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.



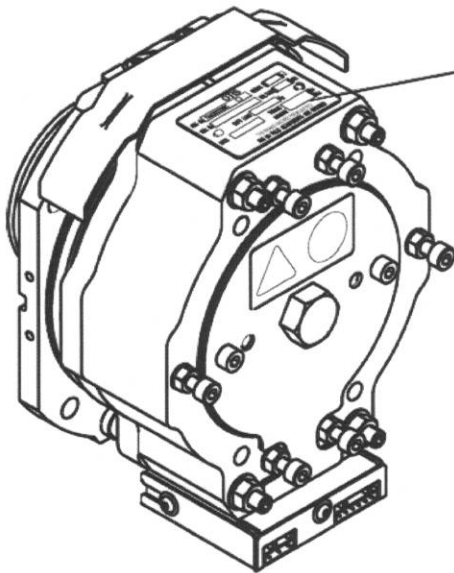
W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	AAA316GZV1	Bar
2	336KX1	Clamp, Rope
3	---	Devise, Tension (see SPL 15-T*A22700E)
4	---	Governor, Speed, Type B (see SPL 15-T**20602B)
5	AAA712W3	Rope (for governor), 9.5 mm Diameter (3/8 in.), L = 2* (2000 + Pit + Rise + Overhead) mm
6	AAA231R2	Thimble, Rope

CR BRAKE FOR GEN2 SYSTEM

Spare Parts Leaflet 07-TAA20222BC

January 2003 / Page 1 of 5

NOTE: This is the NSAA publication of the Otis - Madrid SPL



OTIS	
ASS. No	TAA20222BC ☐
SER. No	
RESIST.	Ω
VOLTAGE	VDC
DUTY LOAD	Kg
DATE	
TORQUE MEASURE	Nm
THE BRAKE HAS BEEN PRE-ADJUSTED AND NO FIELD ADJUSTMENTS ARE REQUIRED	

Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

**OTIS Engineering Center
Madrid
Otis Elevator Company**

Leaflet Description

This leaflet provides spare parts information for type TAA20222BC disc brake (24V). This disc brake was designed specially for the GEN2 machine roomless elevator system.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
May 2002	J. L. HORTELANO	New Leaflet
January 2003	J. L. HORTELANO	Add screw for AAA20236P & AAA20236Q replacement (Page 5)

Related Drawings

Drawing No.	Title	Drawing No.	Title
TAA20222BC	Brake	TAA102GW	Label
TAA346MK	Cover	TAA384JB	Guard

Related Documents

Document ID	Title
---	---
---	---

Subject Matter Expert

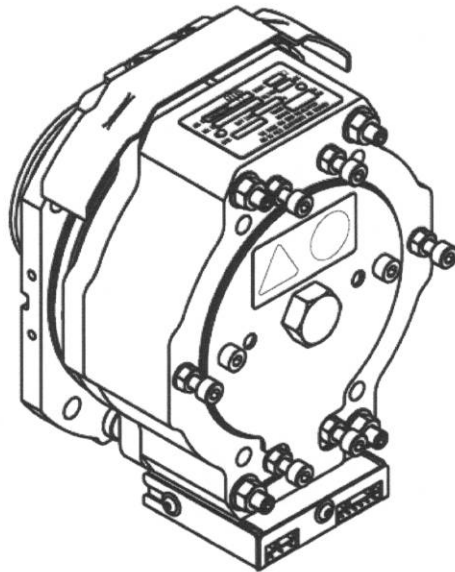
Name	Department
V. Garcia Caro	Innovation OEC - Madrid

About Spare Parts Leaflets...

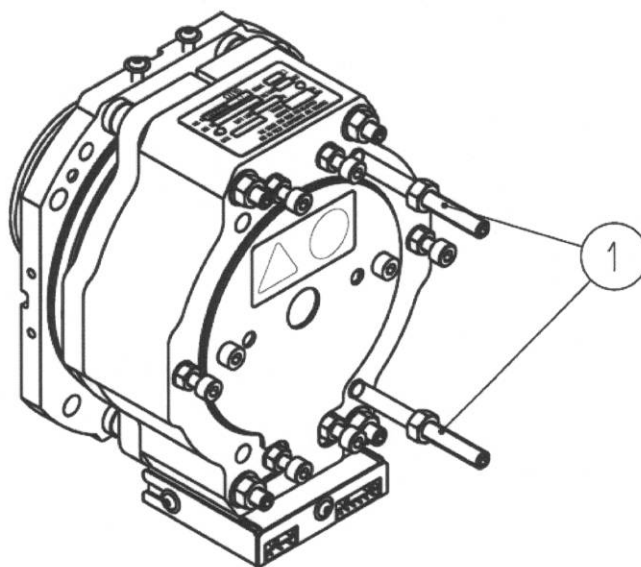
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.



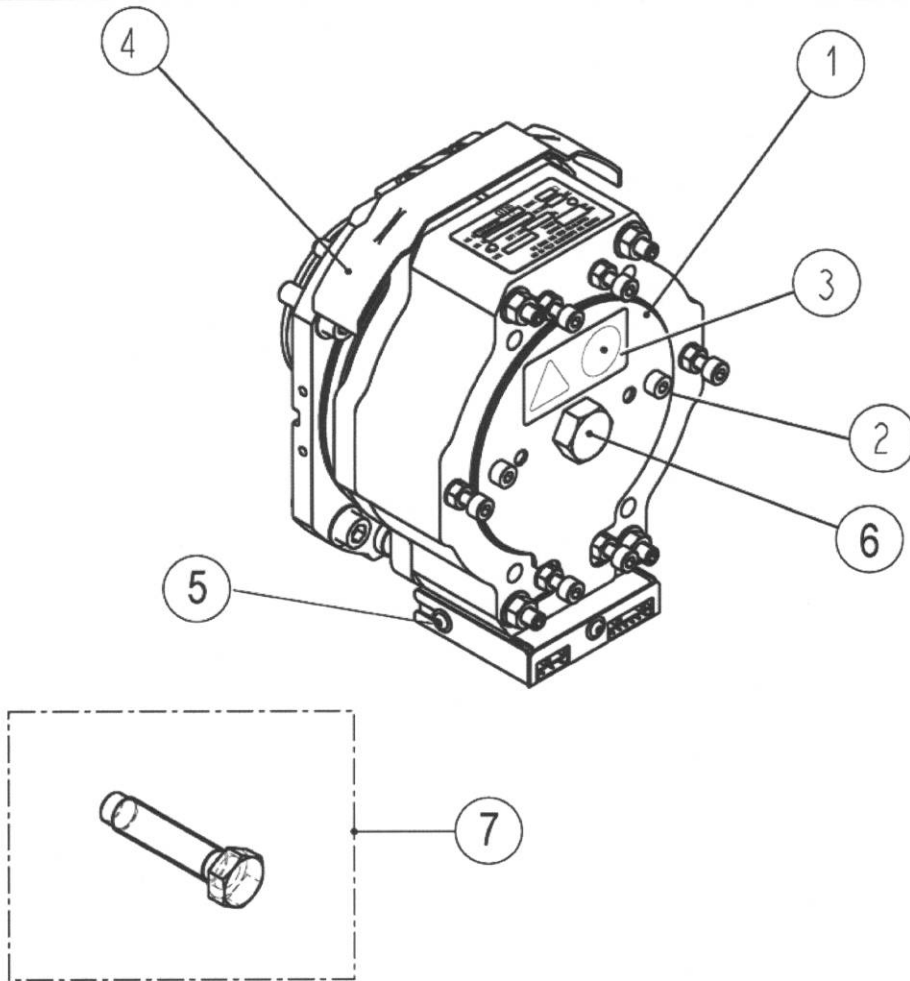
TAA20222BC						
REF. No.	DUTY LOAD (Kg)	SPEED (m/s)	VOLTAGE (V)	SENSORS	ARRANGEMENT	
1	≤ 490	≤ 1,78	27	With	TAA20222BC8 + TAA124DP1 + TAA5300KH2	
	TAA20222BC7 + TAA124DP1 + TAA5300KH2					
	TAA20222BC6 + TAA124DP1 + TAA5300KH2					
	TAA20222BC5 + TAA124DP1 + TAA5300KHW					
	TAA20222BC5+ TAA124DP1 + TAA5300KH2 (limited duty for Korea. See Basic Data.)					
	≤ 1050	≤ 1,75		Without	TAA20222BC4 +TAA124DP1 + TAA5300KH2	
	≤ 490	≤ 1,78			TAA20222BC3 +TAA124DP1 + TAA5300KH2	
	≤ 680				TAA20222BC2 +TAA124DP1 + TAA5300KH2	
	≤ 840				TAA20222BC1 +TAA124DP1 + TAA5300KH2	
	≤ 1050				TAA20222BC1 +TAA124DP1 + TAA5300KH2 (limited duty for Korea. See Basic Data.)	
≤ 1050	≤ 1,75					

**TAA20222BC**

REF. No.	PART or M.L.		DESCRIPTION
1	TAA5300KH1	TAA20222BC1- TAA20222BC8	Rod + Nut

CR Brake for GEN2 System

07-TAA20222BC



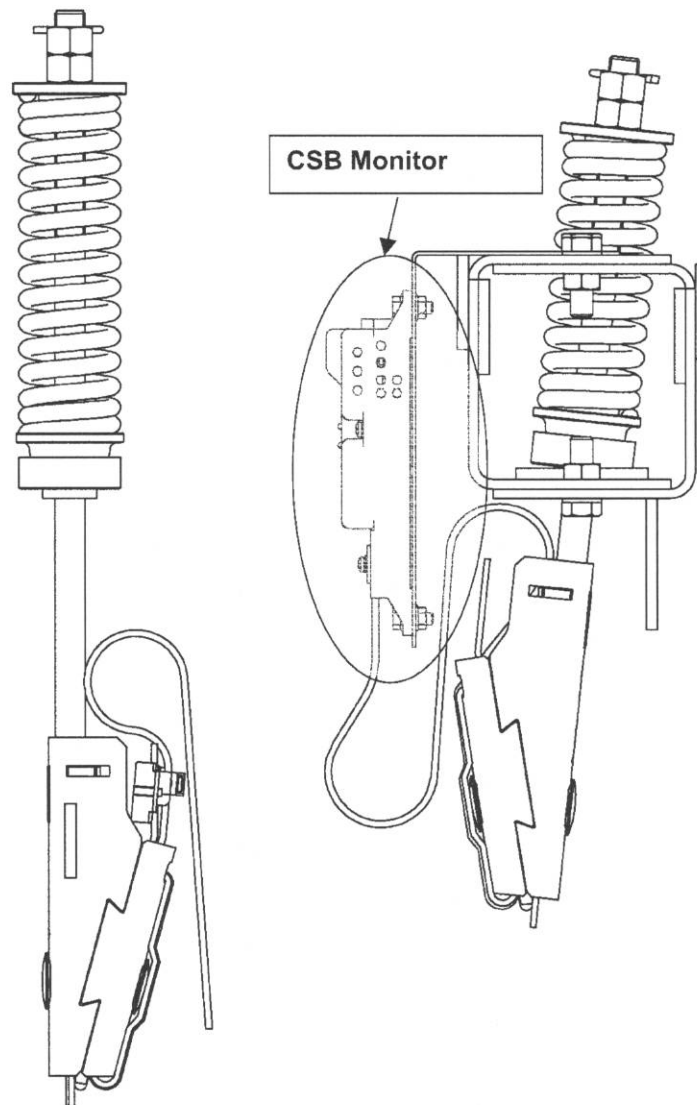
TAA20222BC			DESCRIPTION
REF. No.	PART or M.L.		
1	TAA346MK1	TAA20222BC1 – TAA20222BC8	Cover
2	ISO4762 M8x12		Screw, M8 x 12 mm L
3	TAA102GW1		Label
4	TAA384JB1		Guard
5	TAA124EJ1		Screw
6	TAA124DP1		Screw
7	AAA124HB1	AAA20236P4, AAA20236P5, AAA20236Q4, & AAA20236Q5	Screw

CSB Monitor (RBI) for Gen2™ Model

Spare Parts Leaflet

10-ABA21700X

April 30, 2004 / Page 1 of 4



Unpublished Work—© Otis Elevator Co.; 2004



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet details CSB monitor parts used in Gen2™ model.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
April 30, 2004	Pankaj Kothari	New SPL

Related Drawings

Drawing No.	Title	Drawing No.	Title
ABA21700X	CSB Monitor	AAA102AMV	Plate, Data, CSB Monitor
---	---	---	---

Related Documents

Document ID	Title
SPL 11-TAA20650F	Termination for Gen2 32kN 30mm CSB

Subject Matter Expert

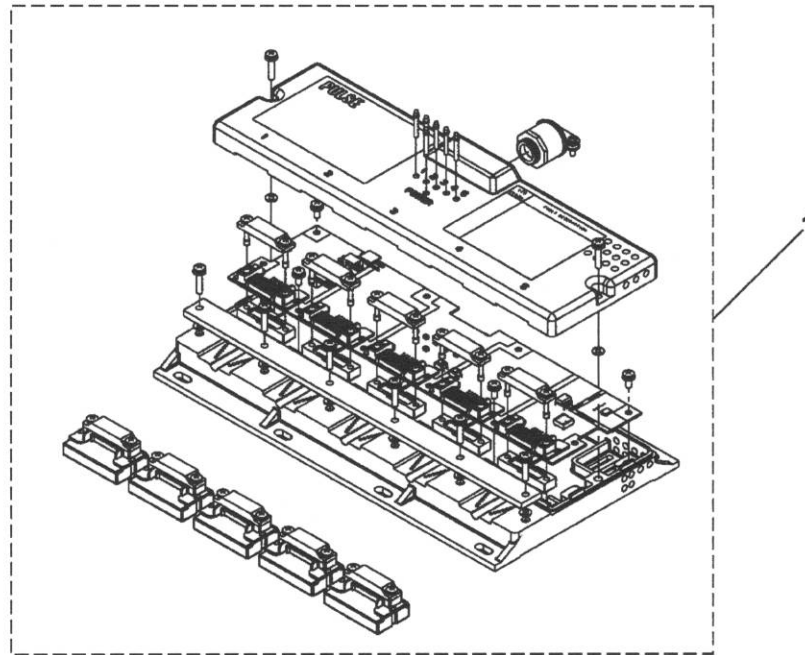
Name	Department
Pankaj Kothari	OEC-Farmington

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.

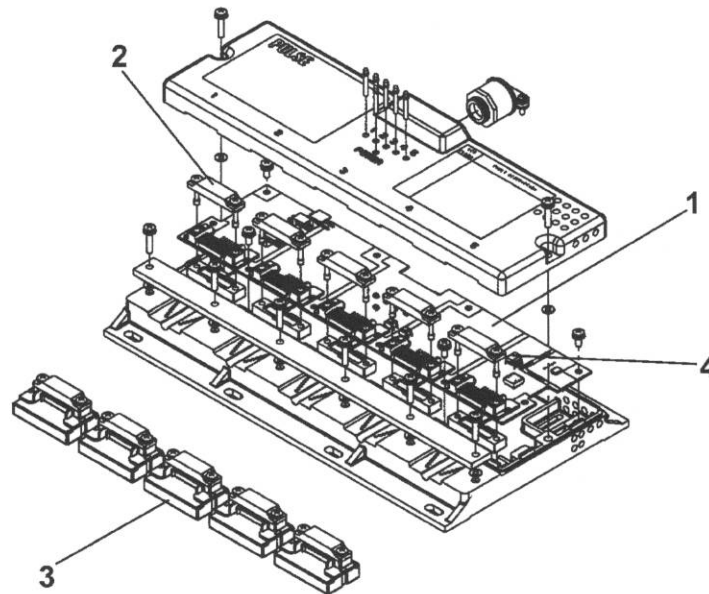
While goal of this document is to make parts identification as easy as possible, the document cannot be all-inclusive. Elevator and escalator contracts classified as "special" or "custom" are not addressed here. For such contracts, please refer to specified information, the contract folder, TIPs, Field 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.



REF. No.	PART No.			DESCRIPTION
	EN81 Code	ANSI Code	JIS Code	
1	ABA21700X16	N/A	N/A	CSB Monitor, 25 mm Grooveless, and Shorting Connectors for 2 Belts
	ABA21700X10	ABA21700X110	ABA21700X210	CSB Monitor, 25 mm Grooveless, and Shorting Connectors for 3 Belts
	ABA21700X11	ABA21700X111	ABA21700X211	CSB Monitor, 25 mm Grooveless, and Shorting Connectors for 4 Belts
	ABA21700X12	ABA21700X112	ABA21700X212	CSB Monitor, 25 mm Grooveless, and Shorting Connectors for 5 Belts
	ABA21700X13	ABA21700X113	ABA21700X213	CSB Monitor, 50 mm Grooveless, and Shorting Connectors for 3 Belts
	ABA21700X14	ABA21700X114	ABA21700X214	CSB Monitor, 50 mm Grooveless, and Shorting Connectors for 4 Belts
	ABA21700X15	ABA21700X115	ABA21700X215	CSB Monitor, 50 mm Grooveless, and Shorting Connectors for 5 Belts

(Continued on next page)

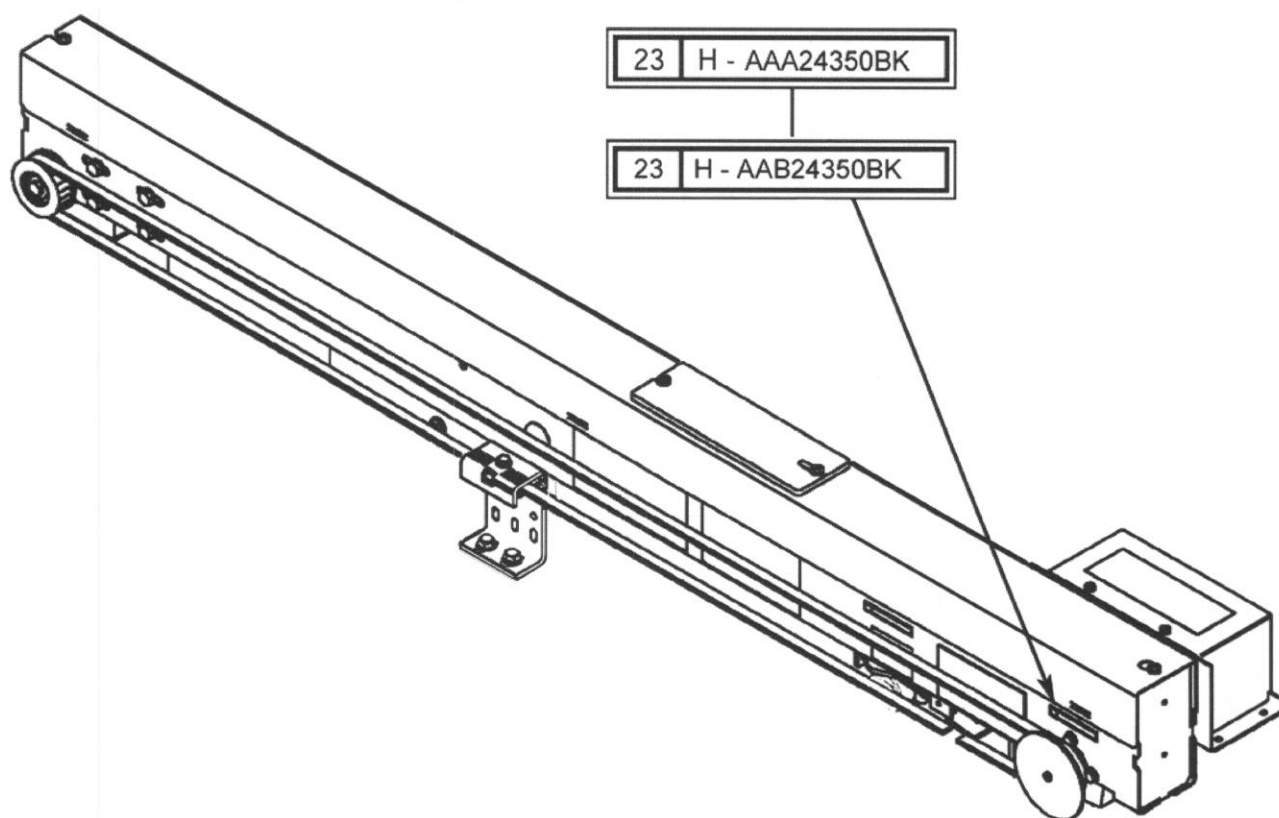


PART No.				
REF. No.	EN81 Code	ANSI Code	JIS Code	DESCRIPTION
1	ABA26800ALV7	---	---	CSB Board, Grooveless, 25 mm, 2 Belts
	ABA26800ALV1	ABA26800ALV101	ABA26800ALV201	CSB Board, Grooveless, 25 mm, 3 Belts
	ABA26800ALV2	ABA26800ALV102	ABA26800ALV202	CSB Board, Grooveless, 25 mm, 4 Belts
	ABA26800ALV3	ABA26800ALV103	ABA26800ALV203	CSB Board, Grooveless, 25 mm, 5 Belts
	ABA26800ALW1	ABA26800ALW101	ABA26800ALW201	CSB Board, Grooveless, 50 mm, 3 Belts
	ABA26800ALW2	ABA26800ALW102	ABA26800ALW202	CSB Board, Grooveless, 50 mm, 4 Belts
	ABA26800ALW3	ABA26800ALW103	ABA26800ALW203	CSB Board, Grooveless, 50 mm, 5 Belts
2	AAA336PF1			Clamp, Used w/ 25 mm Belt
	AAA336PF2			Clamp, Used w/ 50 mm Belt
3	AAA21700Y4			Connector, Shorting, CSB, Used w/ 25 mm Grooveless Belt
	AAA21700Y5			Connector, Shorting, CSB, Used w/ 50 mm Grooveless Belt
4	AAA616NL16			EEPROM, Blank

Door Operator, AT400 Engine Unit

Spare Parts Leaflet 23-AAA24350BK

October 28, 2003 / Page 1 of 6



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING
Otis Elevator Company
Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare part information for the AT400 door operator. Only the Lowest Replaceable Units (LRU) for the engine unit/controller are covered here. LRU part numbers for center-open, single-slide, and two-speed linkage apparatus are defined in separate SPLs (see page 3).

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
April 5, 2002	Pankaj Kothari	New SPL
October 28, 2003	Jeffrey A. Smith	Added new gate switch and update part numbers pages: 4–6.

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA24350BK	AT400 Door Operator Assembly	AAA24460G	AT400 New Equip. Single-Slide
AAA24450T	AT400 New Equip. Single-Slide	AAA24470R	AT400 New Equip. Center-Opening

Related Documents

Document ID	Title
SPL 23-AAA24470R	AT400 (new equipment) Center-Opening Door Operator
SPL 23-AAA24470S	AT400 (modernization) Center-Opening Door Operator

Subject Matter Expert

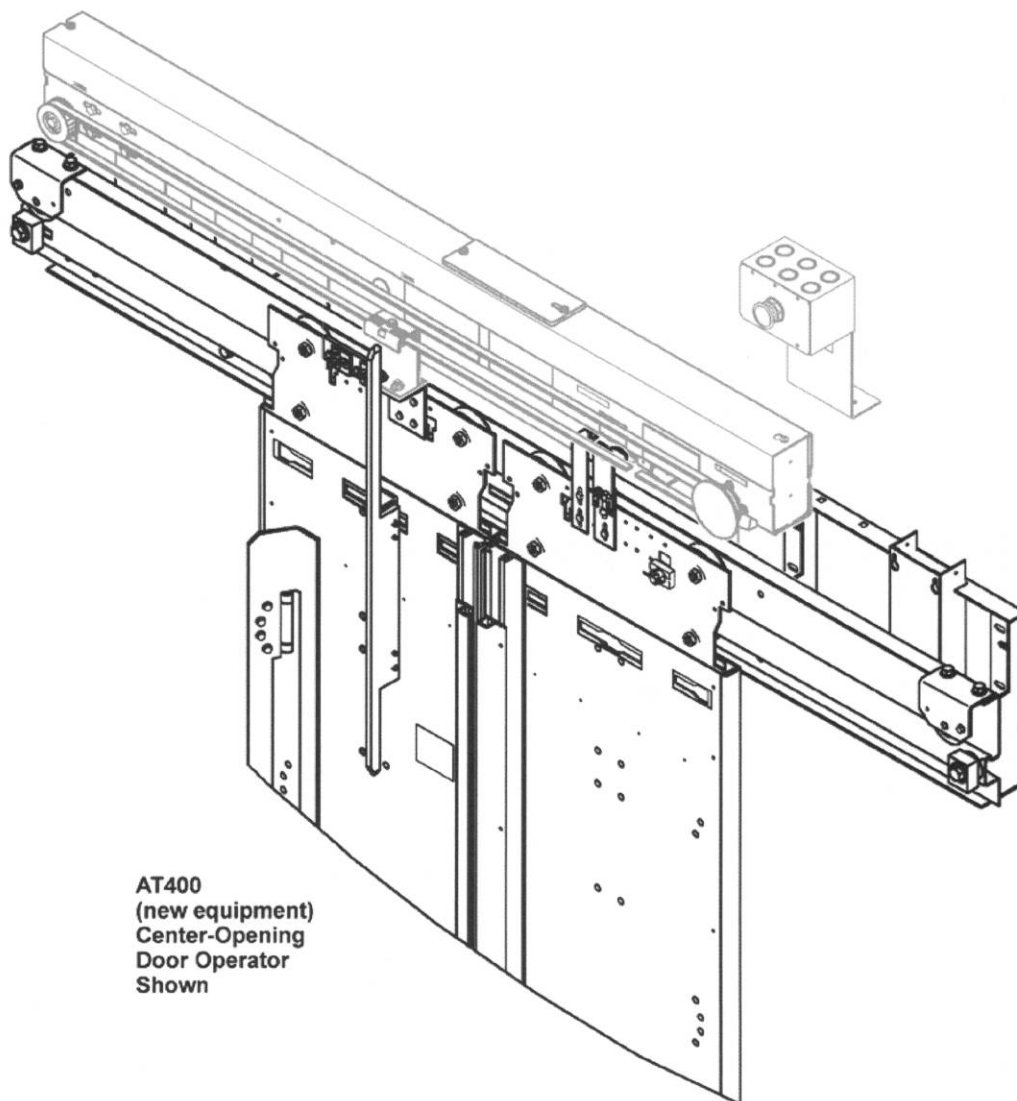
Name	Department
Jeffrey A. Smith	OSC Service Engineering

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.



DESCRIPTION: Door Operator Linkage SPLs

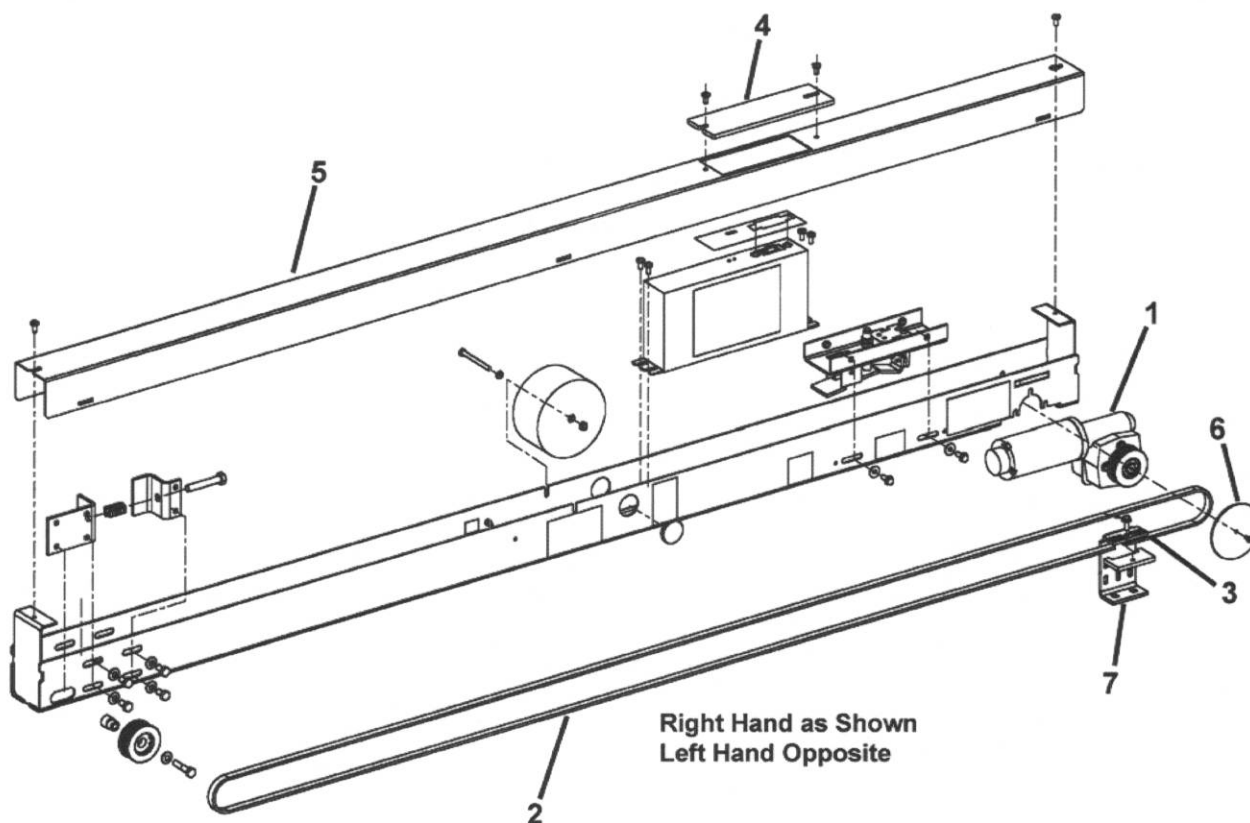
Linkage Assembly, AT400 Door Operator Center-Opening Doors (new equipment)

Linkage Assembly, AT400 Door Operator Single-Slide Door (new equipment)

Linkage Assembly, AT400 Door Operator Two-Speed Doors (new equipment)

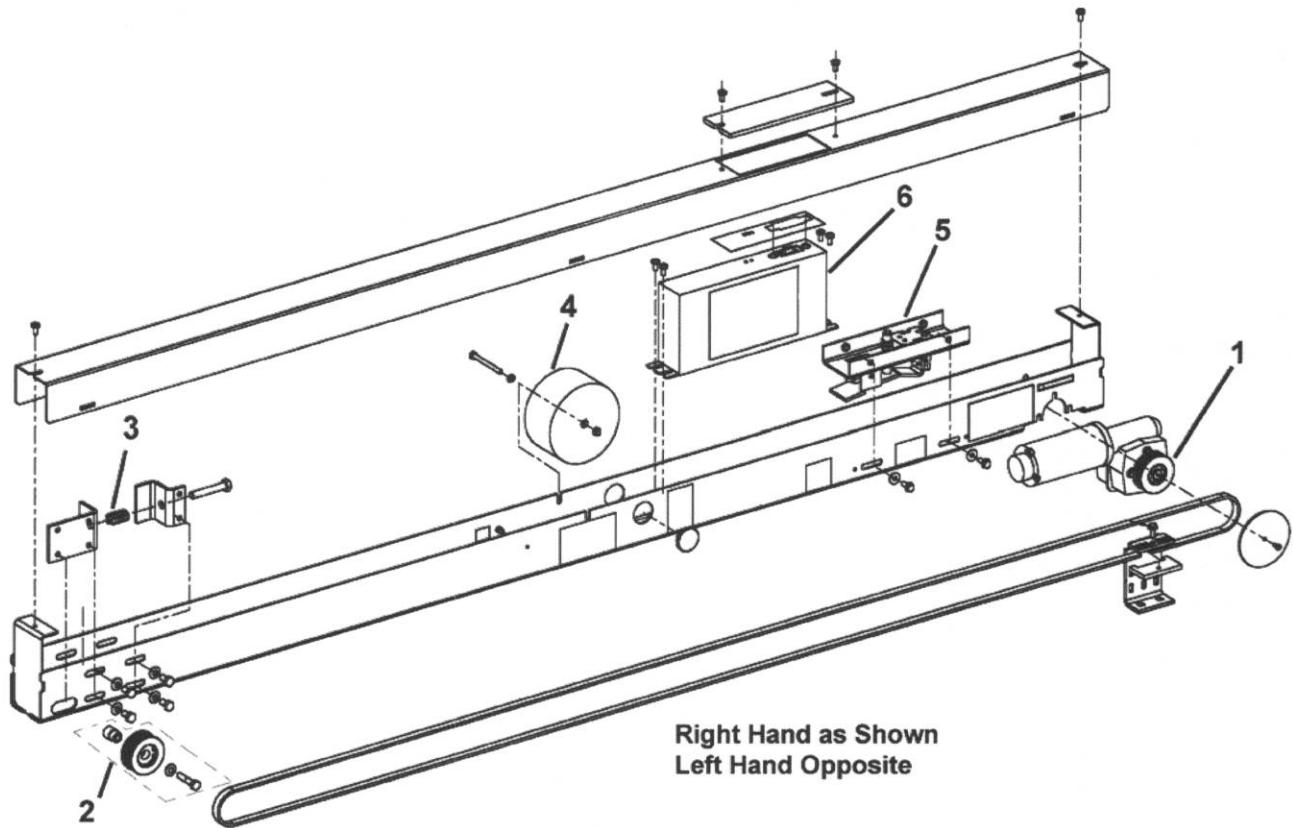


SPL 23-AAA24450R

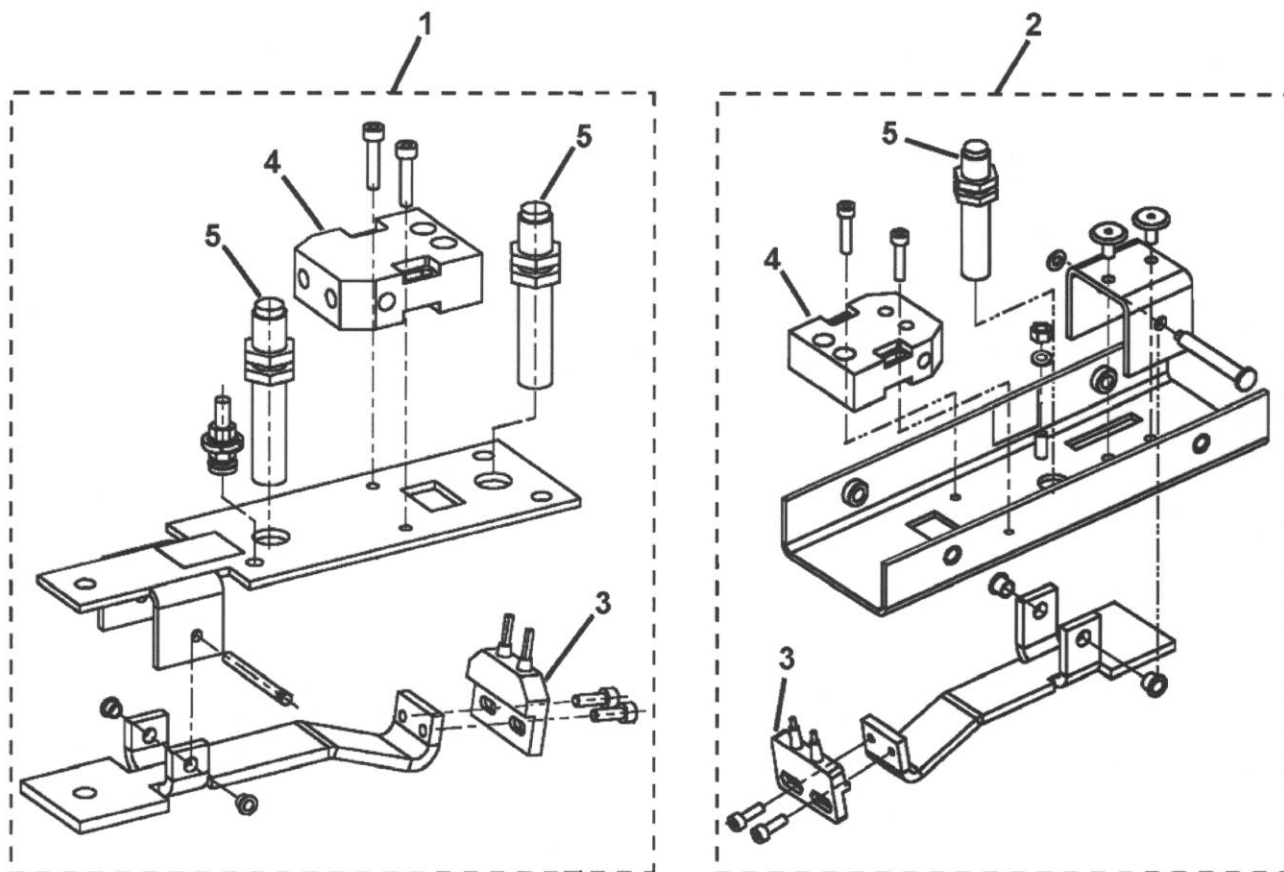


AAA24350BK AAB24350BK		
REF. No.	PART No.	DESCRIPTION
1	AAA24350BL1	Assembly, Gear Motor, 
	AAA24350BL2	Assembly, Gear Motor, 
2	AAA717T2	Belt, Relating, w/Two-Speed (48 in.) Doors
	AAA717T3	Belt, Relating, w/Two-Speed (42 in.), Single-Slide (32, 36, & 42 in.), & Center-Opening (42 & 48 in.) Doors
	AAA717T4	Belt, Relating, w/Two-Speed (36 in.) & Center-Opening (32 & 36 in.) Doors
	AAA717T5	Belt, Relating, w/Two-Speed (32 in.) Doors
3	AA386LQC1	Clamp
4	AAA346BAT1	Cover
5	AAA346BAG1	Cover, 1920 mm L
	AAA346BAG2	Cover, 1615 mm L
	AAA346BAG3	Cover, 1489 mm L
	AAA346BAG4	Cover, 1323 mm L
6	AAA384AHJ1	Guard
7	AAA392CJ1	Hitch

Continued on next page



AAA24350BK AAB24350BK		
REF. No.	PART No.	DESCRIPTION
1	AAA198BF500	Kit, Drive Pulley Replacement, Contains (1) Drive Pulley, (1) Key, (1) Alcohol Wipe, (1) Retaining Ring, (1) Loctite Retainer, (1) Course Scotch Brite, (1) Fine Scotch Brite, and (1) Installation Procedure TIP
2	AAA198BF501	Kit, Idler Pulley Replacement, Contains: (1) Pin (1) Pulley, Idler (1) M8 x 40 Hex Head Bolt (1) Washer, Lock, M8
3	AAA90EW1	Spring, Compression
4	AAA621BF1	Supply, Power, 88 V
	AAA621BF2	Supply, Power, 110 V
	AAA621BF3	Supply, Power, 230 V
5	---	Switch, Gate (see p.6)
6	AAA25580AL2	Unit, Control (AC Power Supply, Discrete I/O)
	AAA25580AL3	Unit, Control (DC Power Supply, Discrete I/O)
	AAA25580AL4	Unit, Control (AC Power Supply, Multi-Drop)



	AAA24350BK	AAB24350BK	
REF. NO.	PART or ML		DESCRIPTION
1	AAA25590T1	---	Assembly, Gate Switch (for Hydraulic/Modernization Units)
	AAA25590T2	---	Assembly, Gate Switch (for GeN2R2 NAA)
2	---	AAA25590W1	Assembly, Gate Switch
3	AAA661B6 →	AAA661B8	Shunt
4	AAA661B101		Switch
5	AAA24431B1		Switch, Proximity

Door Operator, AT400 Center-Opening Doors (New Equipment)

Spare Parts Leaflet

23-AAA24470R

October 28, 2003 / Page 1 of 6

Supersedes SPL 23-AAA24470R Dated April 8, 2002

NOTE: The SPL includes LRUs for center-opening, single-slide, and two-speed door systems.

Single-Slide Door

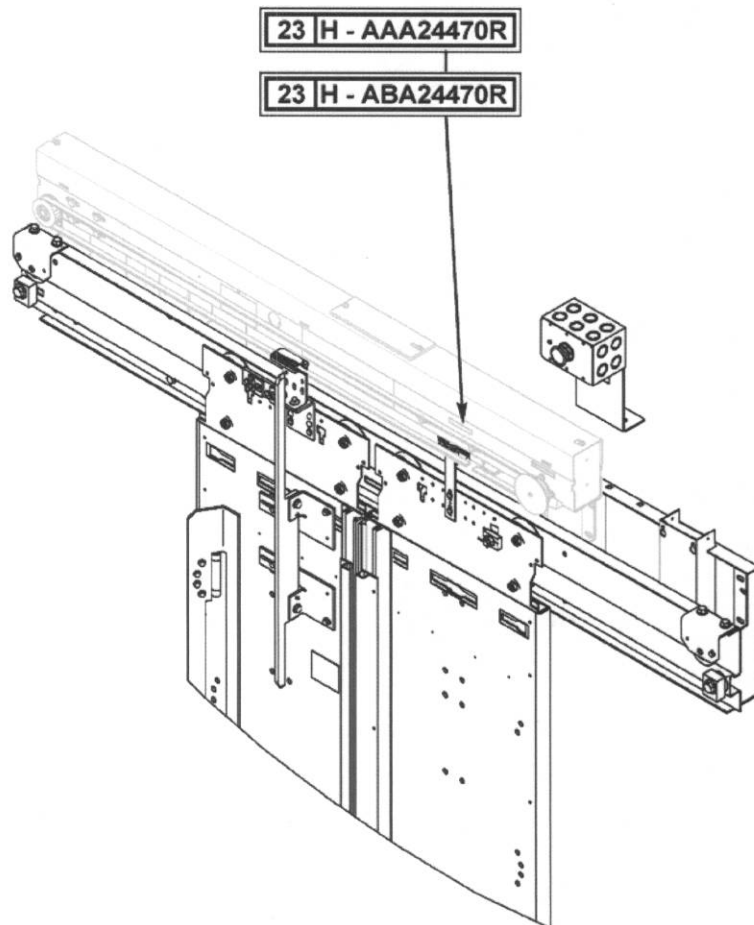
23 H - AAA24450T

23 H - ABA24450T

Two-Speed Doors

23 H - AAA24460G

23 H - ABA24460G



Center-Opening Doors Operator System Shown

Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING
Otis Elevator Company
Bloomfield, Connecticut USA

Leaflet Description

This leaflet describes the lowest replaceable parts (LRU) for the AT400 door operator's (new equipment) door system. The door arrangements supported are the center-opening, two-speed, and single-slide doors.

NOTE: SPL 23-AAA24470S describes the "modernization" AT400 door operator door system LRUs of converted 7300 type door operators.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
April 8, 2002	Pankaj Kothari	New SPL (not published)
October 28, 2003	Jeffrey A. Smith	Update parts and reflect weldless door system changes

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA24350BK	AT400 Door Operator	ABA24470R	Arrangement and Assembly AT400 Center-Opening Door Operator
ABA24460G	Arrangement and Assembly AT400 Two-Speed Door Operator	ABA24450T	Arrangement and Assembly AT400 Single-Slide Door Operator

Related Documents

Document ID	Title
SPL 23-AAA24350BK	AT400 Door Operator
SPL 23-AAA24460G	Door Operator, AT400 (New Equipment) Linkage, Two-Speed Doors (pointer SPL)
SPL 23-AAA24450T	Door Operator, AT400 (New Equipment) Linkage, Single-Slide Door (pointer SPL)

Subject Matter Expert

Name	Department
Jeffrey A. Smith	OSC Service Engineering

About Spare Parts Leaflets...

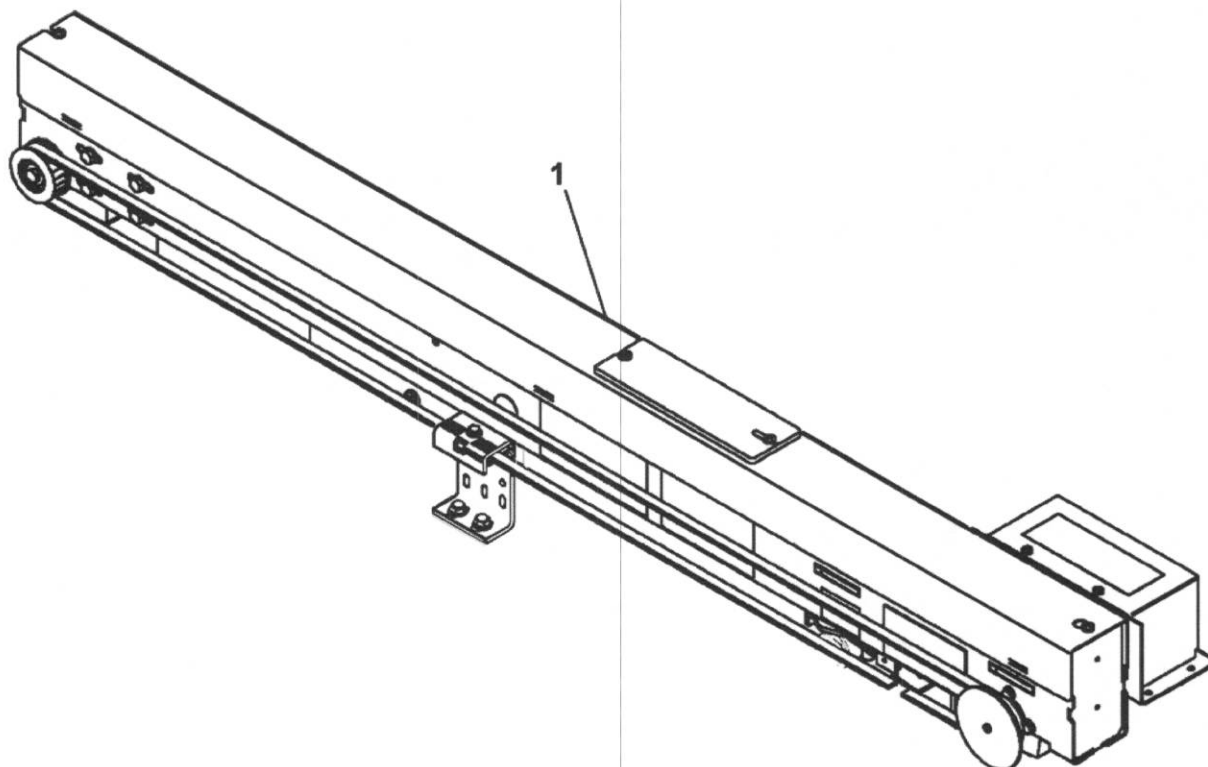
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

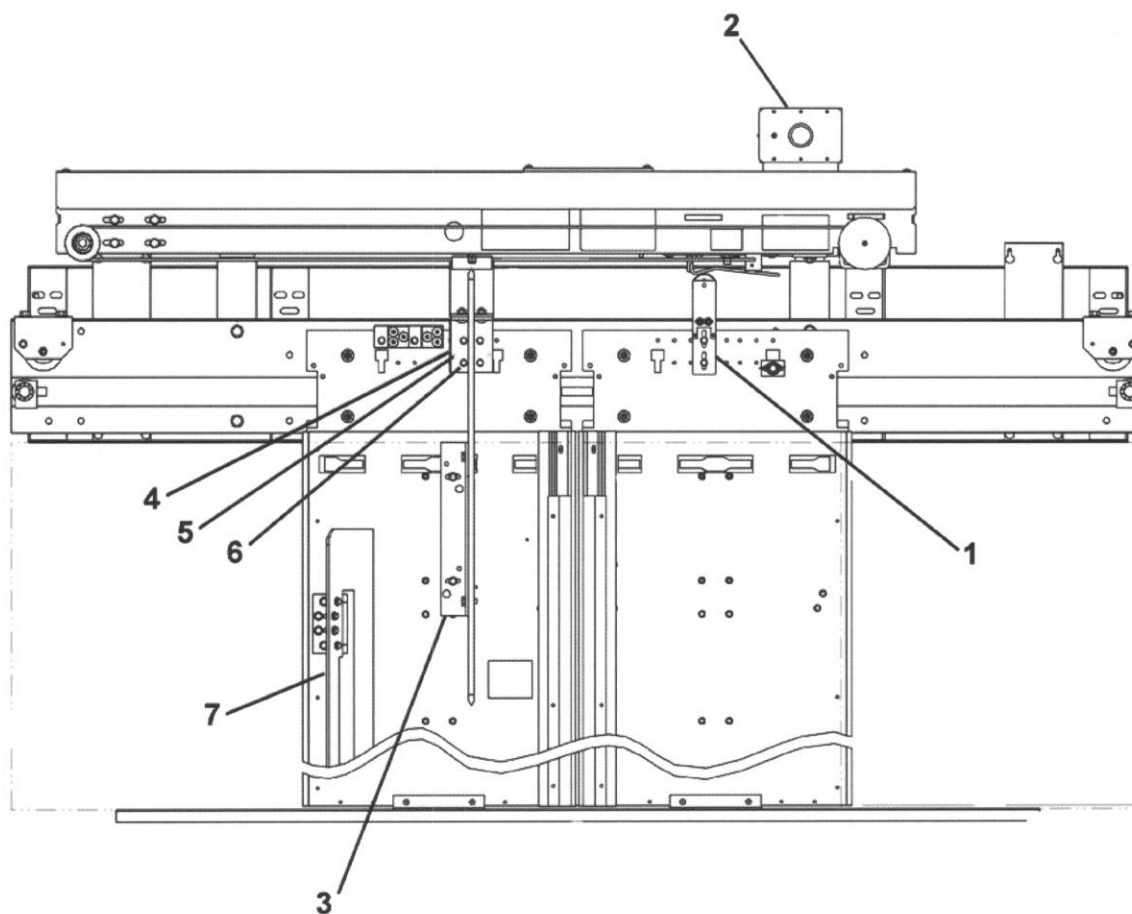
If you have any suggestions about this document, please contact the subject matter expert listed on this page.

AT400 Door Operator

23-AAA24470R



REF. NO.	PART or ML	DESCRIPTION
1	---	AT400 Door Operator  SPL 23-AAA24350BK

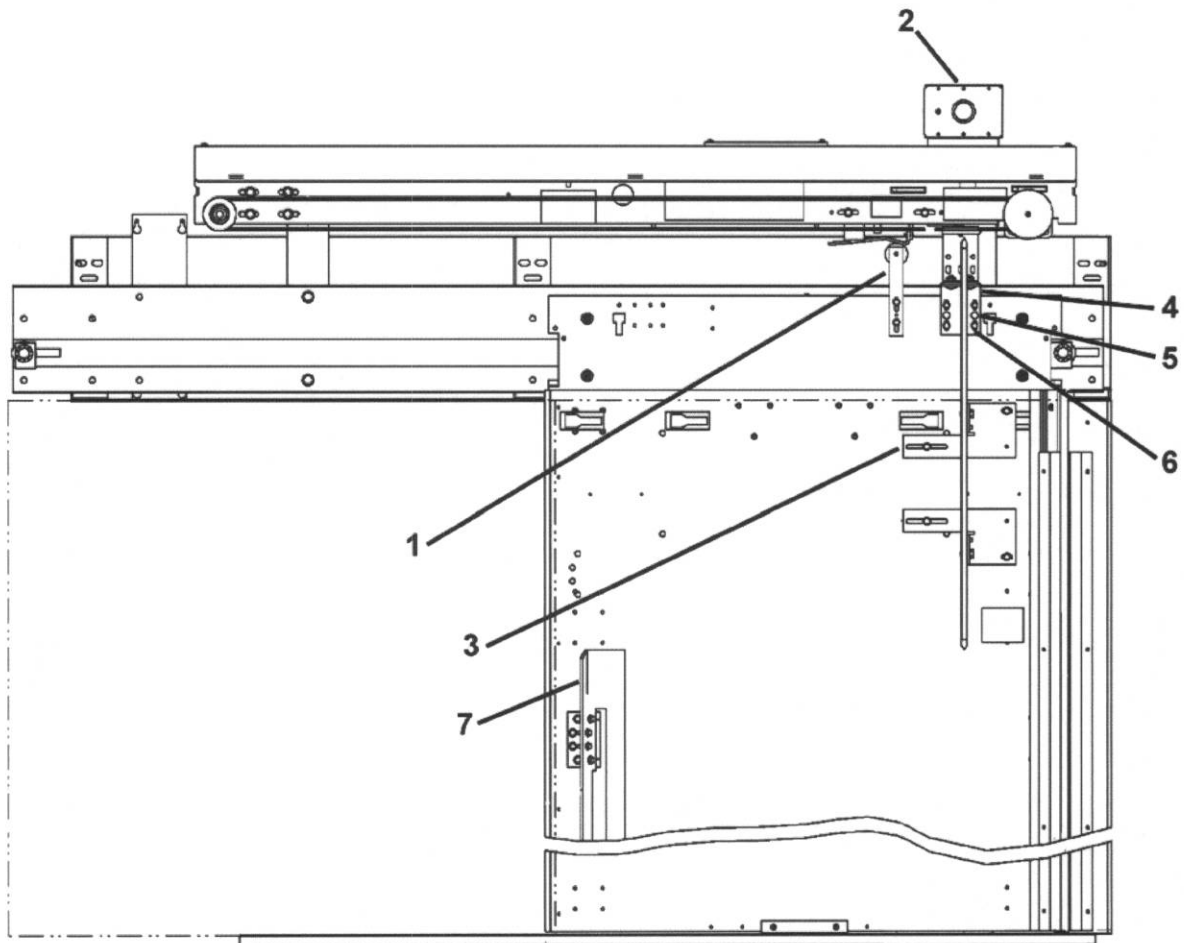


Type AAA24470R Center-Opening Doors System Shown

	AAA24470R	ABA24470R	
REF. No.	PART No.		DESCRIPTION
1	AAA24520D2		Assembly, Gate Switch Roller
2	AAA25580AJ1		Assembly, Stop Switch
3	AAA6940BZ1	AAA24395C1	Assembly, Vane,  (type AAA6940BZ shown)
4	AAA283ATJ1		Bracket, Hitch
5	AAA141AV1		Rivet, Drive
6	109P2		Screw, Thread Forming, 1/4-20 x 5/8 in.
7	---		Stop, Auxiliary Door see SPL 19-AAA6940BY

Single-Slide Door Linkage

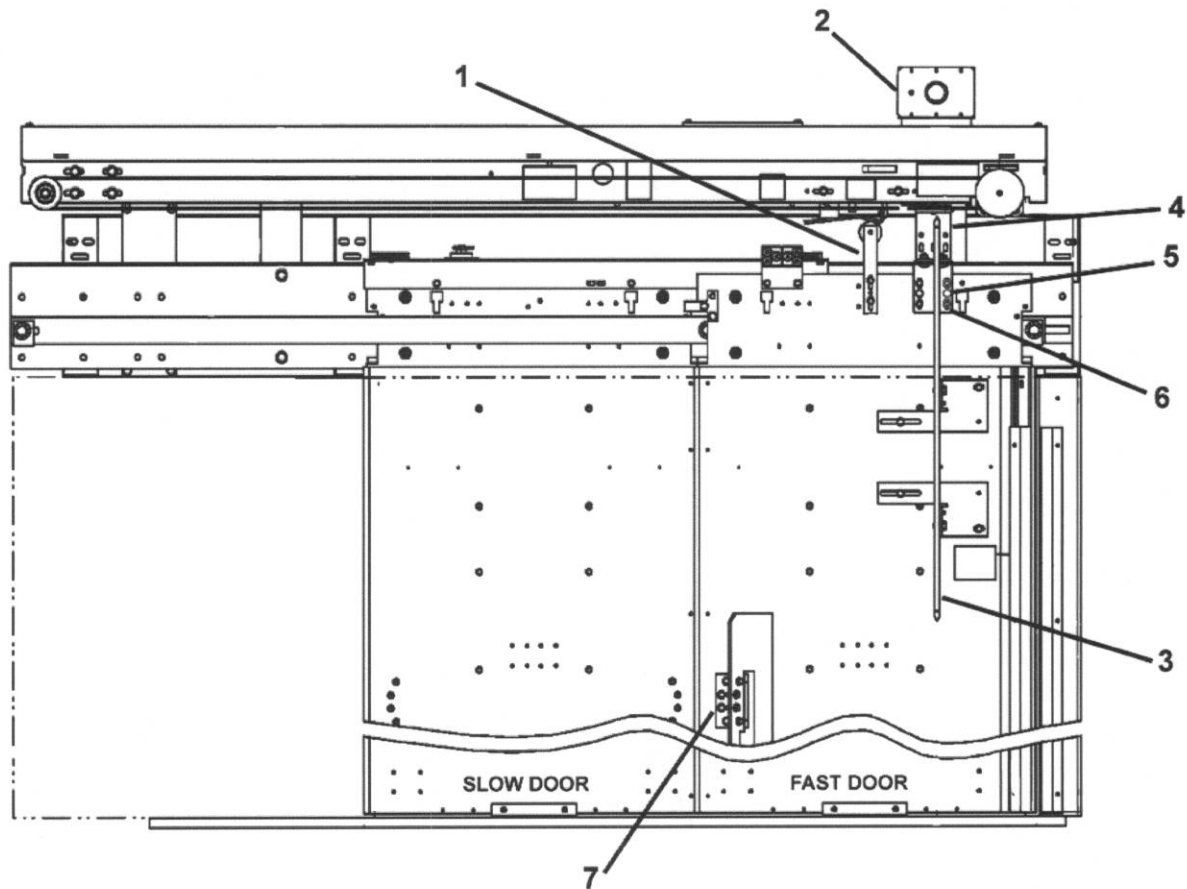
23-AAA24470R



Type ABA24450T Single-Slide Door System Shown

	AAA24450T	ABA24450T	
REF. No.	PART No.		DESCRIPTION
1	AAA24520D2		Assembly, Gate Switch Roller (single-slide door)
2	AAA25580AJ1		Assembly, Stop Switch
3	AAA6940BZ1	AAA24395C1	Assembly, Vane,  (type AAA6940C shown)
	AAA6940BZ2	AAA24395C2	Assembly, Vane,  (type AAA6940C shown)
4	AAA283ATJ1		Bracket, Hitch
5	AAA141AV1		Rivet, Drive
6	109P2		Screw, Thread Forming, 1/4-20 x 5/8 in.
7	---		Stop, Auxiliary Door see SPL 19-AAA6940BY

Two-Speed Doors Linkage



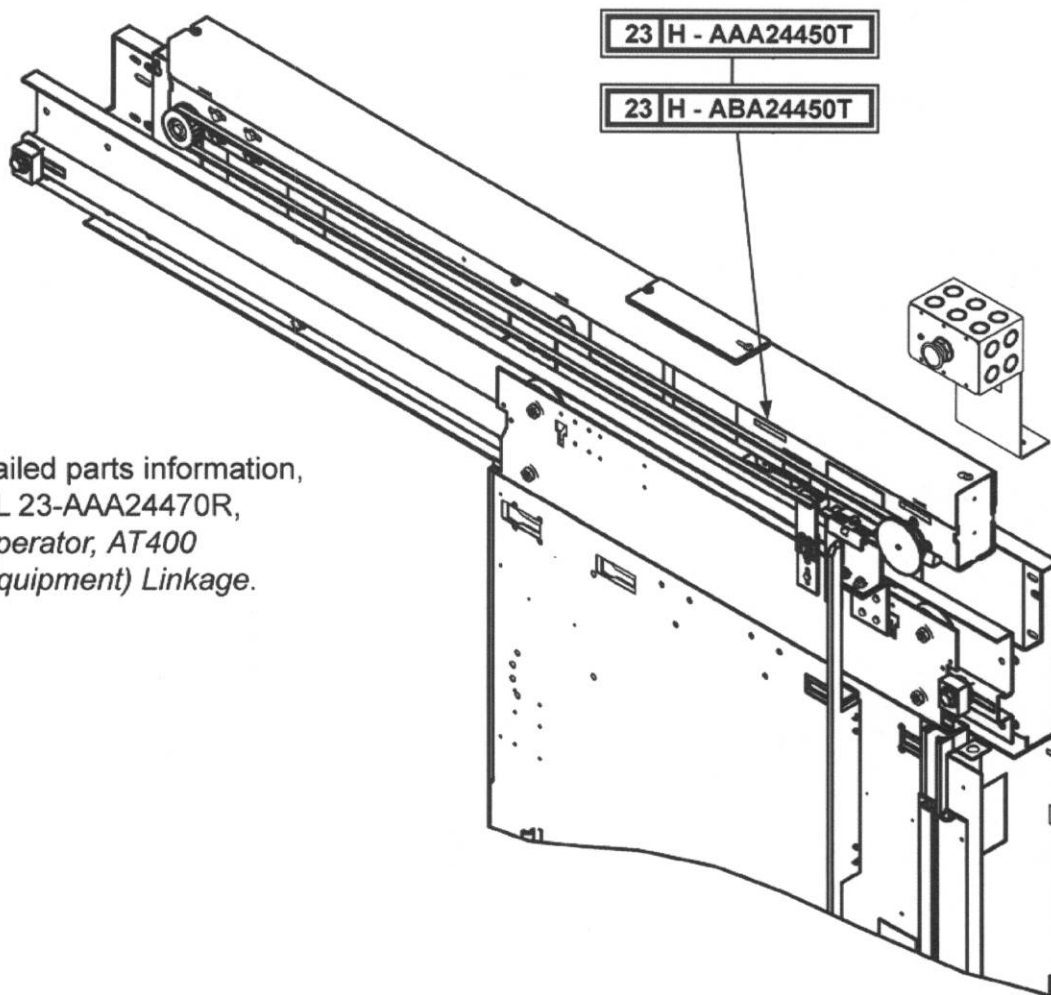
Type ABA24460G Two-Speed Doors System Shown

	AAA24460G	ABA24460G	
REF. No.	PART No.		DESCRIPTION
1	AAA24520D1		Assembly, Gate Switch Roller (two-speed doors)
2	AAA25580AJ1		Assembly, Stop Switch
3	AAA6940BZ1	AAA24395C1	Assembly, Vane,  (type AAA6940C shown)
4	AAA283ATJ1		Bracket, Hitch, 
5	AAA141AV1		Rivet, Drive
6	109P2		Screw, Thread Forming, 1/4-20 x 5/8 in.
7	---		Stop, Auxiliary Door see SPL 19-AAA6940BY

**Door Operator, AT400
(New Equipment)
Single-Slide Door**

**Spare Parts Leaflet
23-AAA24450T**

October 28, 2003 / Page 1 of 1



For detailed parts information,
see SPL 23-AAA24470R,
*Door Operator, AT400
(New Equipment) Linkage.*

Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

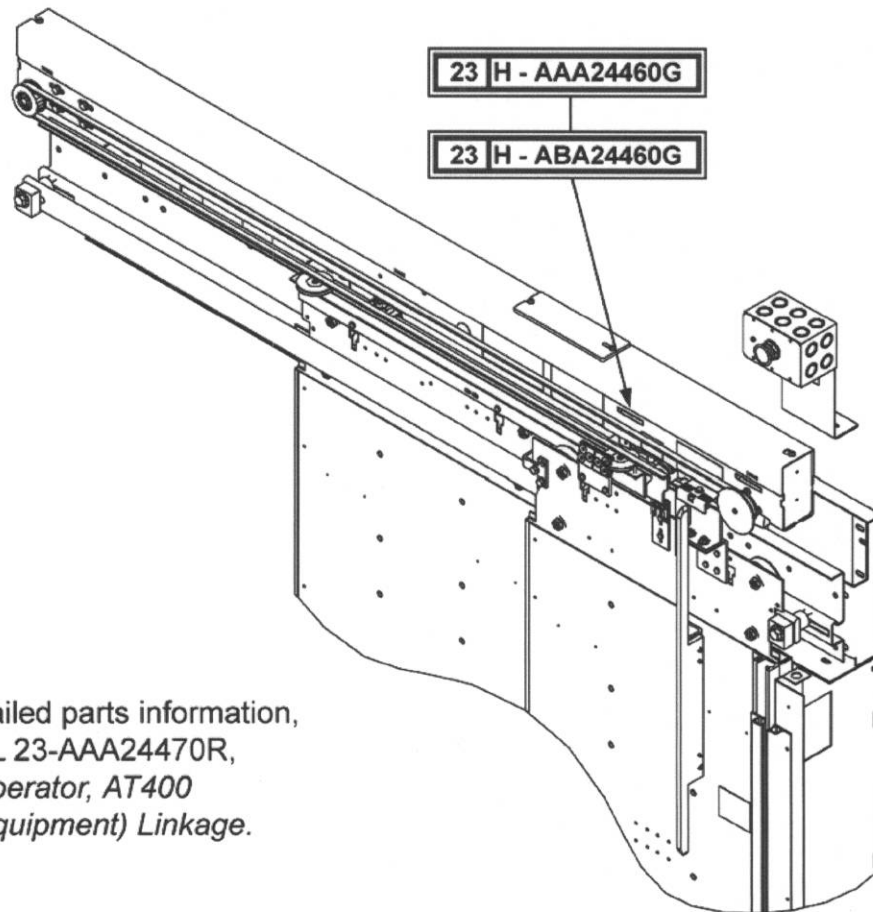
**Otis Elevator Company
Bloomfield, Connecticut USA**

**Door Operator, AT400
(New Equipment)
Two-Speed Doors**

Spare Parts Leaflet

23-AAA24460G

October 28, 2003 / Page 1 of 1



For detailed parts information,
see SPL 23-AAA24470R,
*Door Operator, AT400
(New Equipment) Linkage.*

Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

**GeN2™ 5T AC Permanent
Magnet Gearless Machine
ANSI-Compliant (Extended Duty)**

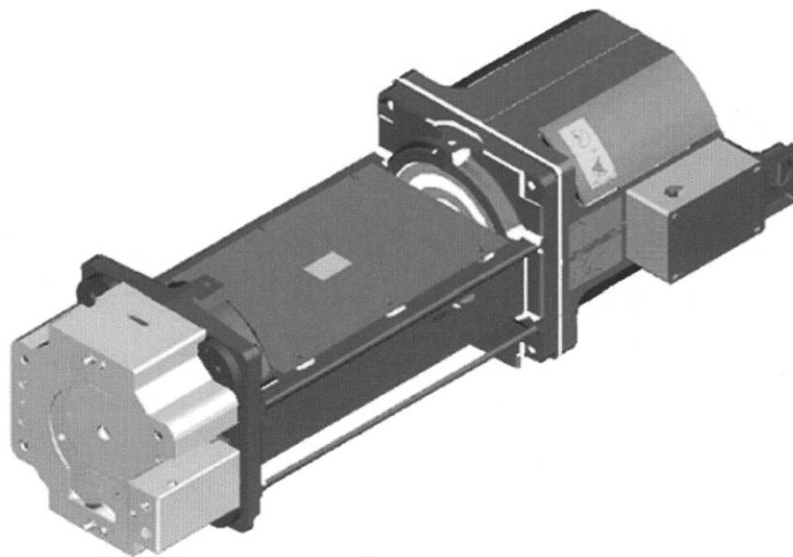
Spare Parts Leaflet

06-AAA20220AN

April 30, 2004 / Page 1 of 4

Supersedes SPL 06-AAA20220AN Dated March 17, 2003

GeN2™ 5T



Unpublished Work—© Otis Elevator Co.; 2004



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This SPL details spare parts for the GeN2 R2 five ton (5T) sheave shaft load, extended duty, permanent magnet (PM) AC three-phase motor gearless machine for **ANSI-compliant** North and South American Area (NSAA) markets.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
March 17, 2003	Amer Aziz	New SPL
April 30, 2004	James Draper	Updated SPL number in reference 2, on page 4

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA20220AN	AC Gearless Machine (PM) 3 Phase Motor (5.0T ANSI)		

Related Documents

Document ID	Title
Otis Doc. 54694	Functional Requirements for GeN2 R2 (extended duties) PM AC Gearless Machine
Otis Doc. 55763	GeN2—5T Machine Basic Data

Subject Matter Expert

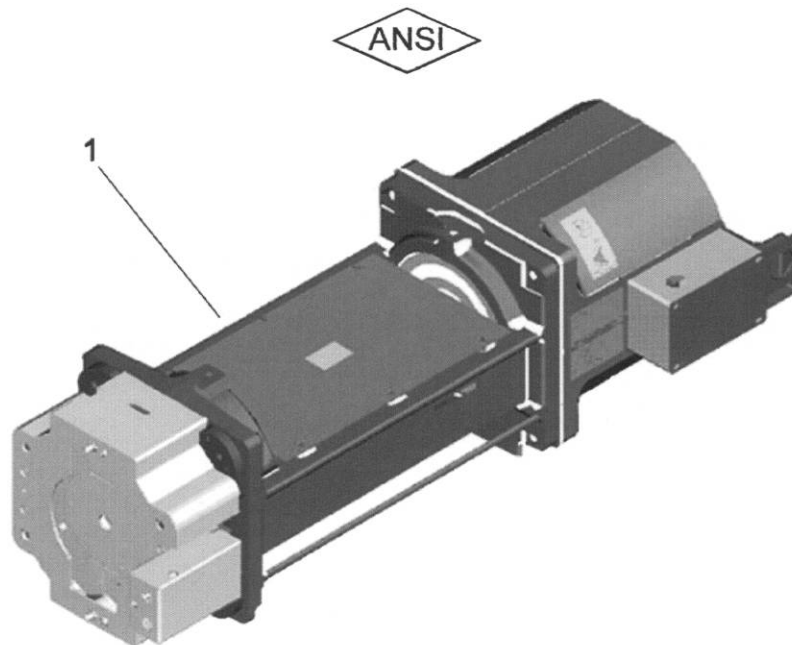
Name	Department
James Draper	OECF Dept. 855 (Machines)

About Spare Parts Leaflets...

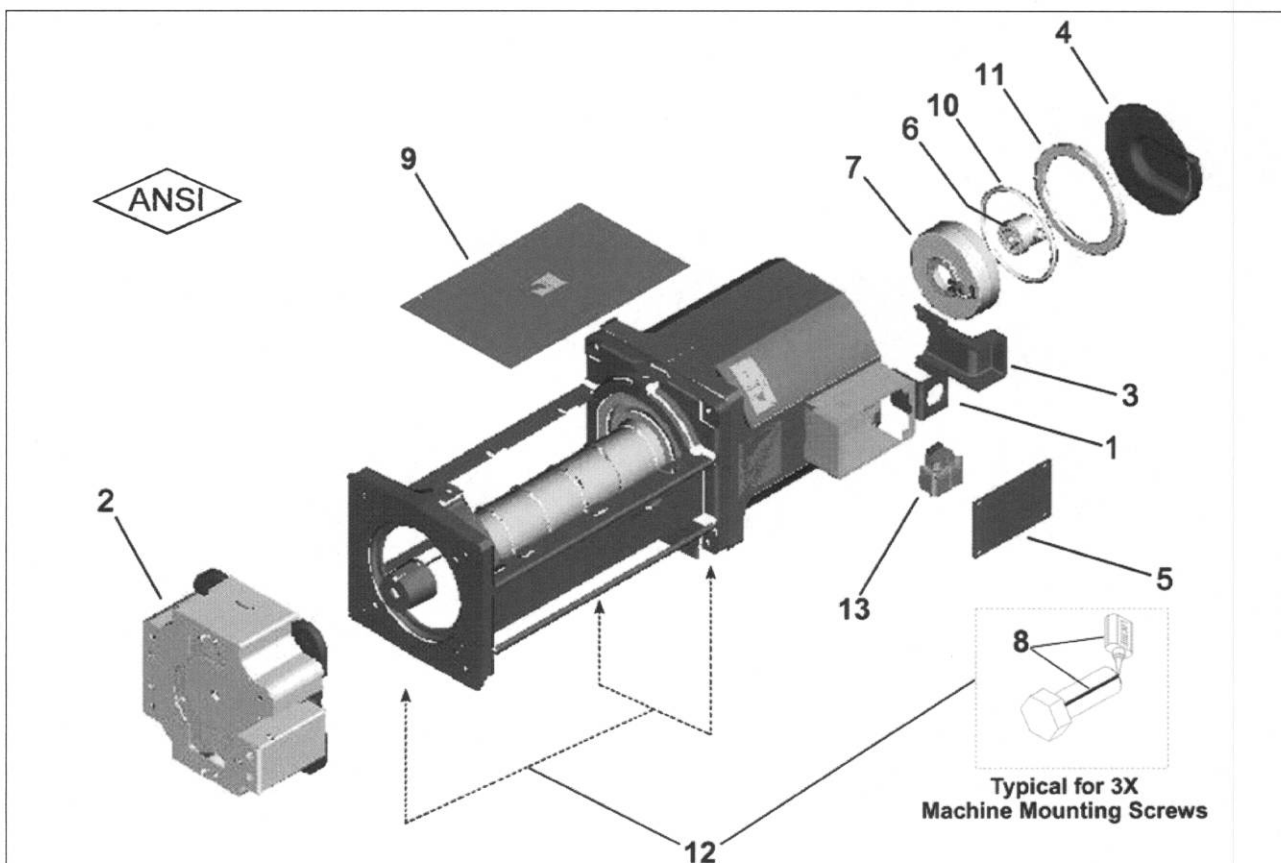
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.



REF. NO.	PART NO.	DUTY (kg)	SPEED (m/s)	DESCRIPTION	REMARKS
1	AAA20220AN1	1135–1360	1.02–1.78	Machine Assembly, GeN2 5T (ANSI) 3-Phase, AC Permanent Magnet Gearless Machine with ASME A17.1 Compliant Brake	Two-Channel Incremental Encoder (A_A633Z2)
	AAA20220AN2	1588	1.02–1.78		Two-Channel Incremental Encoder (A_A633Z2)
	AAA20220AN3	1135–1360	1.02–1.78		Three-Channel Incremental Encoder (A_A633AE1)
	AAA20220AN4	1588	1.02–1.78		Three-Channel Incremental Encoder (A_A633AE1)
	AAA20220AN11	1814–2268	1.02–1.78		Two-Channel Incremental Encoder (A_A633Z2)
	AAA20220AN12	1814–2268	1.02–1.78		Three-Channel Incremental Encoder (A_A633AE1)



REF. NO.	PART NO.	DESCRIPTION	REMARKS
1	AAA283AVA1	Angle, Formed	ANSI
2	---	Brake, ASME ANSI A17.1 Dual Coil	SPL 07-TAB20236G for Details
3	AAA346BBV1	Cover, Conduit	ANSI
4	AAA346BBT1	Cover, End	---
5	AAA346BBS2	Cover, Terminal Block	ANSI
6	AAA633Z2	Encoder, Main	Two-Channel Incremental Encoder
6	AAA633AE1	Encoder, Main	Three-Channel Incremental Encoder
7	AAA20220AQ1	Encoder, Rescue Sensor Assembly	---
8	AAA180JB1	Glue, Loctite® 243 Threadlocker, 10 ml Bottle	Glue Holder
9	AAA384AHX1	Guard, Sheave	---
10	AAA182AZ1	Packing, O-Ring	---
11	AAA172UJ1	Ring, Clamp	---
12	Purchase Locally	Screws, Machine Mounting, M20x55 Hex-Head, ISO4017M20x55 8.8Z	Torque to 120 Nm
13	AAA21303CW1	Terminal Block Assembly	---

Hoistway Material

Gen2™

(Limited and Extended Duties)

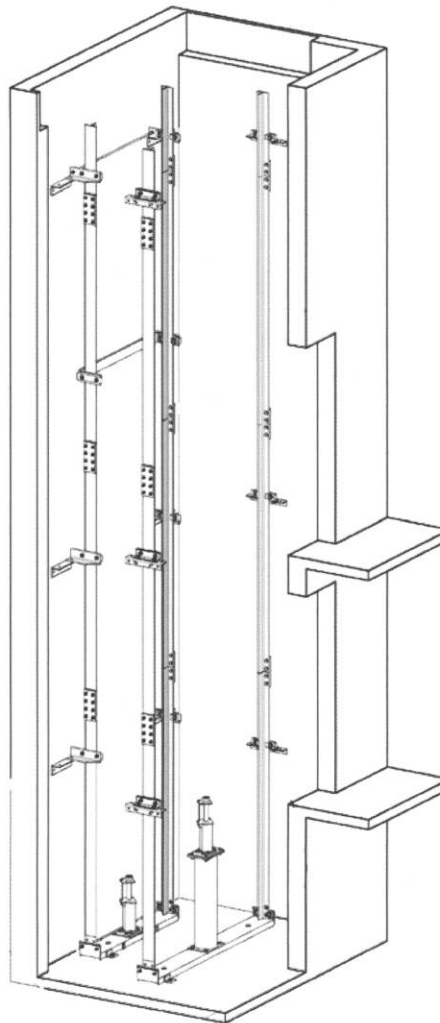
Spare Parts Leaflet

03-AAA29508A

September 18, 2003 / Page 1 of 10

Supersedes SPL 03-AAA29508A Dated July 8, 2003

**W/O
VINTAGE**



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for hoistway material used with the GeN2™ elevator system. **Note:** Rail size information in the leaflet is given as both the Otis rail size number and International Standards Organization (ISO) identification. Below are the equivalent designators.

Rail Identifications		
Otis Rail I.D.	ISO Rail I.D.	Limits
#2	T89	8 lbs./ft.
#1-1/2	T127-1	12 lbs./ft.
#1	T127-2	15 lbs./ft.
#3/4	T140-1	18.5 lbs./ft.
#1/2	T140-2	22.5 lbs./ft.
#OA	---	30 lbs./ft.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
July 8, 2003	Wendy Smerk	New leaflet
September 18, 2003	Wendy Smerk	New and changed parts to pages 2, 3, 8, and 10.

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA29508A	Hoistway Material Counterweight at Rear Limited Duty	AAA29508B	Hoistway Material GeN2 Extended Duty
AAA26ZX	Details Rail Fasteners and Bracket Mounting Hardware	AAA22940A, F, & AL	Assembly and Arrangement; Anti-Snag Guard for Car and Cwt. Rail Brackets
AAA22760B	Counterweight Screening	AAA6108BU	Assembly; Car Rail Brackets No. 3/4, No. 1, No 1-1/2 Rails (non-seismic)
AAA6108BR	Assembly; Car Rail Brackets No. 3/4, No. 1, No 1-1/2 Rails (seismic, E411 Ride)	AAA6108BS	Assembly "SA" Type Counterweight Rail Bracket
AAA6108CA	Assembly for Combination Rail Brackets	AAA29000AC	Arrangement GeN2 R2 NAA (953 & 1134 kg Duties)

Related Documents

Document ID	Title
SPL 03-AAA6136BE	Buffer Assembly
SPL 03-AAA320FS	Spring Buffer
SPL 35-AAA22800H	Emergency Stop Switch

Subject Matter Expert

Name	Department
Wendy Smerk	NSAA SIT, Bloomington

About Spare Parts Leaflets...

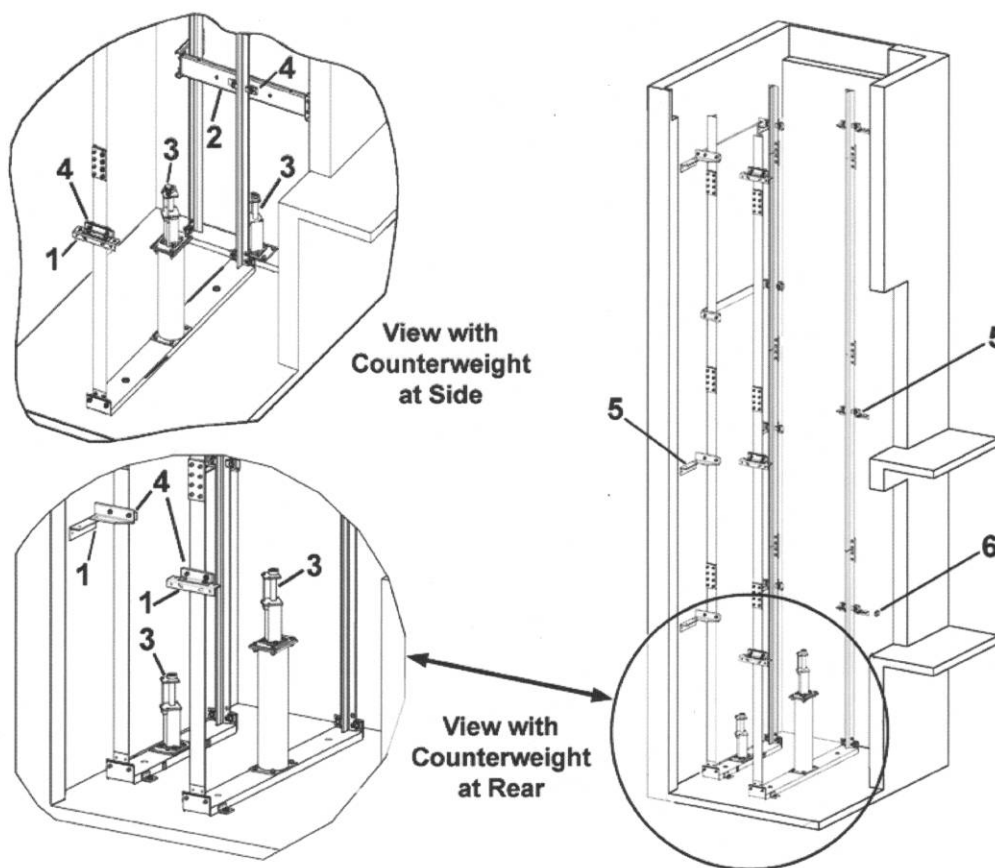
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

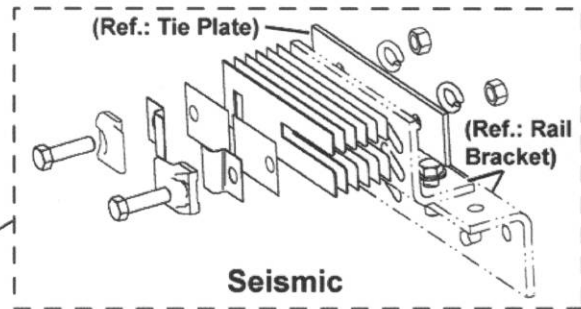
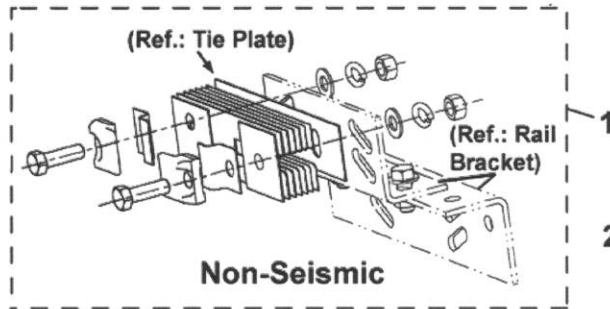
If you have any suggestions about this document, please contact the subject matter expert listed on this page.

Table of Contents

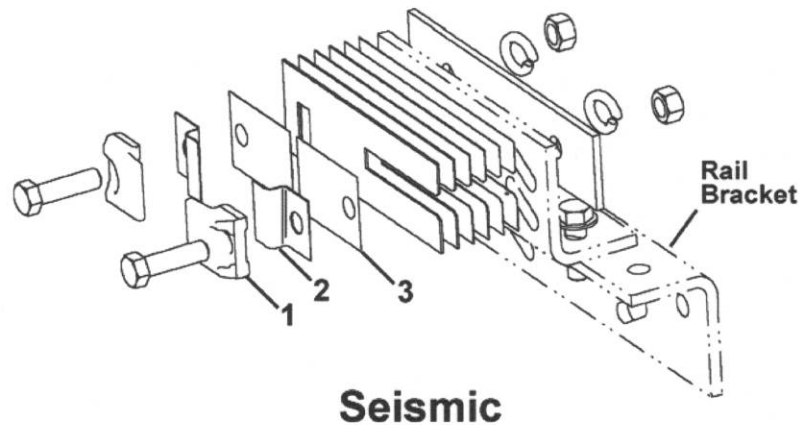
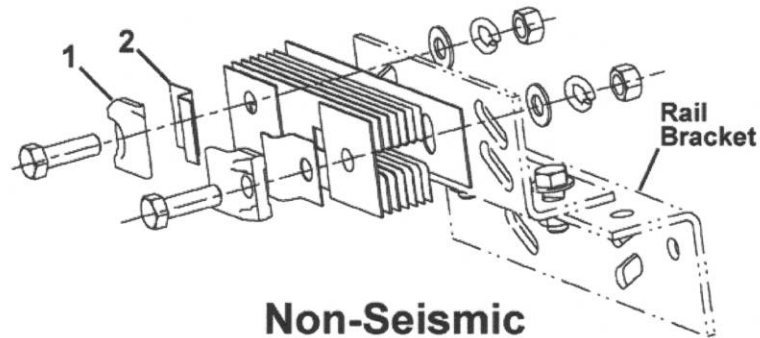
03-AAA29508A



REF. No.	PAGE No.	DESCRIPTION
1	---	Bracket, Rail, Car Guide, Non-Seismic (special order parts per drawing AAA6108BU)
	---	Bracket, Rail, Car Guide, Seismic (2+) (special order parts per drawing AAA6108BR)
	---	Bracket, Rail, Counterweight-at-Rear (special order parts per drawing AAA6108BS)
2	---	Bracket, Rail, Side-Counterweight (special order parts per drawing AAA6108CA)
3	---	Buffer, Oil,  SPL 03-AAA6136BE
	---	Buffer, Spring,  SPL 03-AAA320FS
4	4-6	Clip, Rail, Car Guide
		Clip, Rail, Counterweight Guide
5	7	Fastening, Rail Bracket, Car Guide
		Fastening, Rail Bracket, Counterweight Guide
---	8	Guards, Anti-Snag for Car and Counterweight Rail Brackets
---	9	Screen, Hoistway
6	---	Switch, Emergency Stop,  SPL 35-AAA22800H
---	10	Guards, Anti-Snag, 953Kg (2100 lb.) or 1134 Kg (2500 lb.)

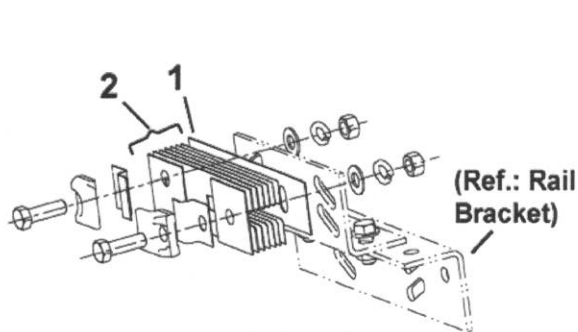


	W/O VINTAGE						
REF. No.	PART No.	DESCRIPTION					
1		Kit, Rail Fastener	Zone	Tie Plate	Rail Size Designator		Clip Style
					Otis	ISO	
	AAA26ZX1		Non-Seismic	With	2	T89	Steel Sliding
	AAA26ZX2						Forged Non-Sliding
	AAA26ZX3				1-1/2	T127-1	Forged Sliding
	AAA26ZX4						Forged Non-Sliding
	AAA26ZX5				1	T127-2	Forged Sliding
	AAA26ZX6						Forged Non-Sliding
	AAA26ZX7				3/4	T140-1	Forged Sliding
	AAA26ZX8				1/2	T140-2	Forged Non-Sliding
	AAA26ZX9				OA	---	
	AAA26ZX22				1-1/2	T127-1	Forged Sliding w/Brass Shim
	AAA26ZX23				1	T127-2	
	AAA26ZX24				3/4	T140-1	
2	AAA26ZX10	(Rail Brackets not Included)	Seismic	Without	1-1/2	T127-1	Forged Sliding
	AAA26ZX11						Forged Non-Sliding
	AAA26ZX12				1	T127-2	Forged Sliding
	AAA26ZX13						Forged Non-Sliding
	AAA26ZX14				3/4	T140-1	Forged Sliding
	AAA26ZX15		Without	1-1/2	T127-1	Forged Sliding	
	AAA26ZX16					Forged Non-Sliding	
	AAA26ZX17			1	T127-2	Forged Sliding	
	AAA26ZX18			3/4	T140-1	Forged Non-Sliding	
	AAA26ZX19		1	T127-2			
	AAA26ZX20		With	3/4	T140-1	Forged Sliding w/Brass Shim	
	AAA26ZX21						
	AAA26ZX25		Without	1-1/2	T127-1		
	AAA26ZX26			1	T127-2		
AAA26ZX27	3/4						
AAA26ZX28							

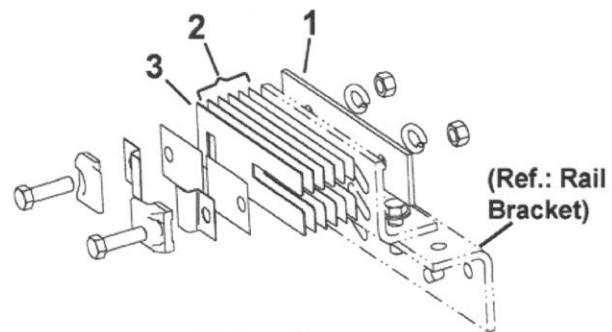


	W/O VINTAGE					
REF. No.	PART No.	DESCRIPTION				
1		Clip, Rail	Zone	Rail Size Designator		Clip Style
				Otis	ISO	
	339FB1		Non-Seismic	2	T89	Steel Sliding
	339E1					Forged Non-Sliding
	339LT1		Seismic & Non-Seismic	1-1/2	T127-1	Forged Sliding
	339GM1					Forged Non-Sliding
	339MB1			1	T127-2	Forged Sliding
				3/4	T140-1	
	339D1			1	T127-2	Forged Non-Sliding
	339J1		1/2	T140-2		
	339C1		OA	---		
2	93FD1	Clip, Spring	Seismic & Non-Seismic	3/4, 1, & 1-1/2	T140-1, T127-2, & T127-1	Forged Sliding
	93HB1					
3	255EV1	Liner				

Continued on next page.



Non-Seismic

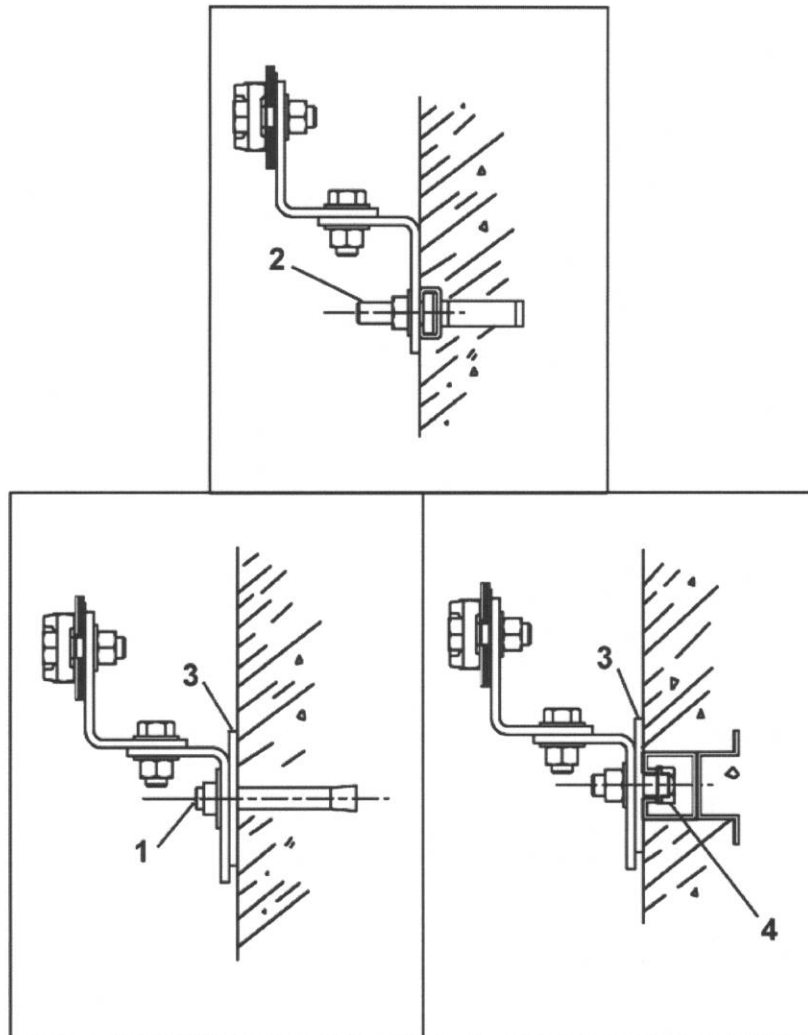


Seismic

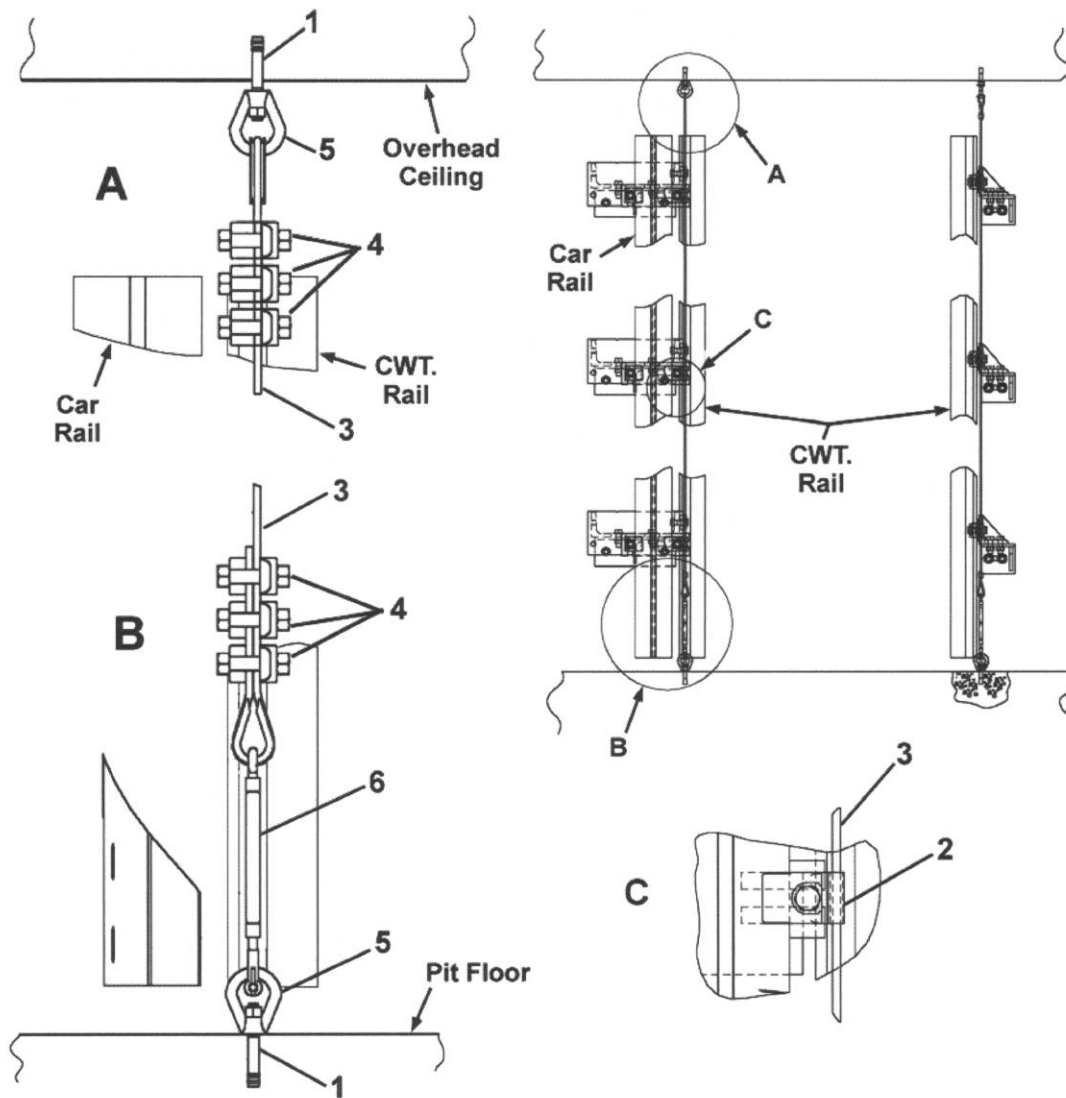
	W/O VINTAGE					
REF. No.	PART No.	DESCRIPTION				
1	298PM1 298PM2 298PM3 298PM9 298PM10 298PM15 298PM16 298PM17	Plate, Tie	Zone	Rail Size Designator		Clip Style
				Otis	ISO	
			Non-Seismic	2	T89	Steel Sliding & Forged Non-Sliding
				1	T127-2	Forged Sliding & Forged Non-Sliding
				1-1/2	T127-1	
			3/4	T140-1	Forged Sliding	
			Seismic	1	T127-2	Forged Sliding & Forged Non-Sliding
				1-1/2	T127-1	
				3/4	T140-1	Forged Sliding
	Non-Seismic	1/2	T140-2	Forged Non-Sliding		
OA		---				
Non-Seismic	1	T127-2	Steel Sliding with Button			
	1-1/2	T127-1				
2	255EH1 255EH2 255EH4 255J13 255J14 255J20	Shim, Rail, 0.0336 in. Shim, Rail, 0.0635 in. Shim, Rail, 0.0187 in. Shim, Rail, 0.0312 in. Shim, Rail, 0.0625 in. Shim, Rail, 0.015 in.	Seismic & Non-Seismic	3/4	T140-1	All
				1	T127-2	
				1-1/2	T127-1	
				2	T89	
				1/2	T140-2	Forged Non-Sliding
				OA	---	
				3/4	T140-1	
3	255EH3	Shim, Brass		1 <td>T127-2</td> <td rowspan="2">Forged Sliding</td>	T127-2	Forged Sliding
				1-1/2	T127-1	

Rail Bracket Fastenings

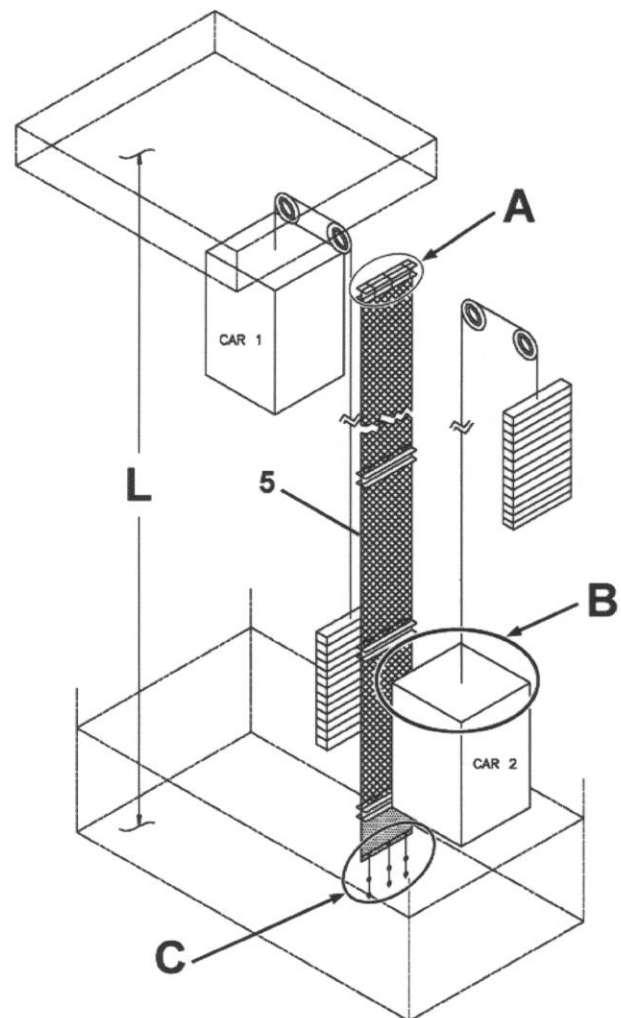
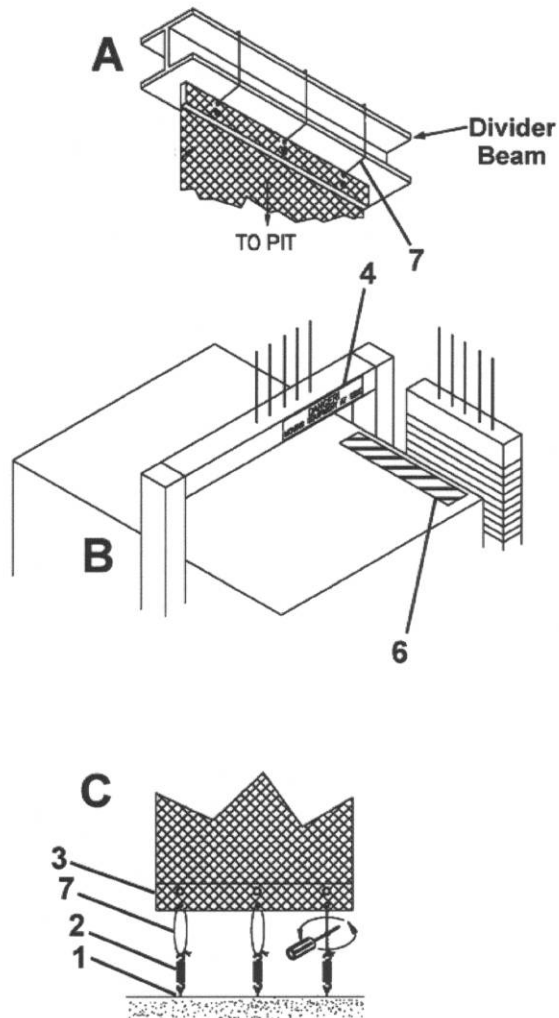
03-AAA29508A



W/O VINTAGE			
REF. No.	PART No.	DESCRIPTION	
1	54E4	Anchor, Wedge	Concrete Wall
	54E20		Concrete Masonry Unit (CMU)
	54E21		Concrete Masonry Unit (CMU)
2	AAA65GV1	Bolt, M16 Thread	with Halfen Inserts, Non-Seismic
	AAA65GV2	Bolt, M16 Thread	with Halfen Inserts, Seismic
3	127XA10	Washer, Packing	Concrete, Brick, CMU, Wood Beam
4	AAA130BH1	Washer, T	Steel Inserts (in brick or concrete)

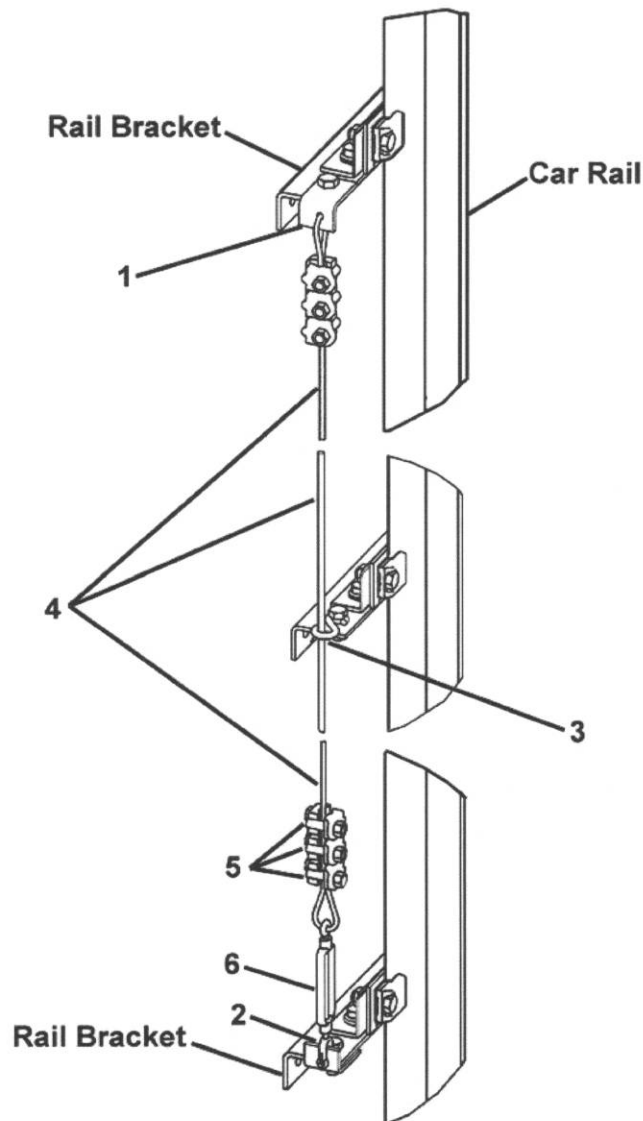


	W/O VINTAGE		
REF. No.	PART No.		DESCRIPTION
1	COUNTERWEIGHT at:		Anchor, Wedge
	REAR	SIDE	
	54E12		
2	AAA316FWE1	AAA316FWE2	Bracket, Cable
3	AAA712Y1		Cable,  (Length = Rise + Pit + Overhead + 4'0")
4	336KX6		Clamp
5	AAA72HG1		Eyenuť
6	AAA485M1		Turnbuckle



W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	54E11	Anchor, Wedge
2	AAA91AV1	Assembly, Spring Extension
3	AAA299AMN1	Bar, Aluminum
4	AAA102ABY2	Label: "Danger! - Moving Equipment at Side"
5	AAA273F1	Netting, Pearl Weave (L ≤ 140 ft.)
6	AAA102ACS1	Sticker, Caution, Yellow and Black, 2 x 4 in.
7	AAA800A2	Wire, 14 Gauge, Black Annealed, 50 ft.

Type AAA22940AL Anti-Snag Guard Components



W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	AAA283AVX1	Angle, Formed, Top
2	AAA283AVX2	Angle, Formed, Bottom
3	509W3	S-Hook
4	AAA712Y1	Cable,  (Length = 1/2 Rise + Pit + 14'0")
5	336KX6	Clamp
6	AAA485M1	Turnbuckle

i-MOTION® II Door Operator Linkage Assemblies

Spare Parts Leaflet

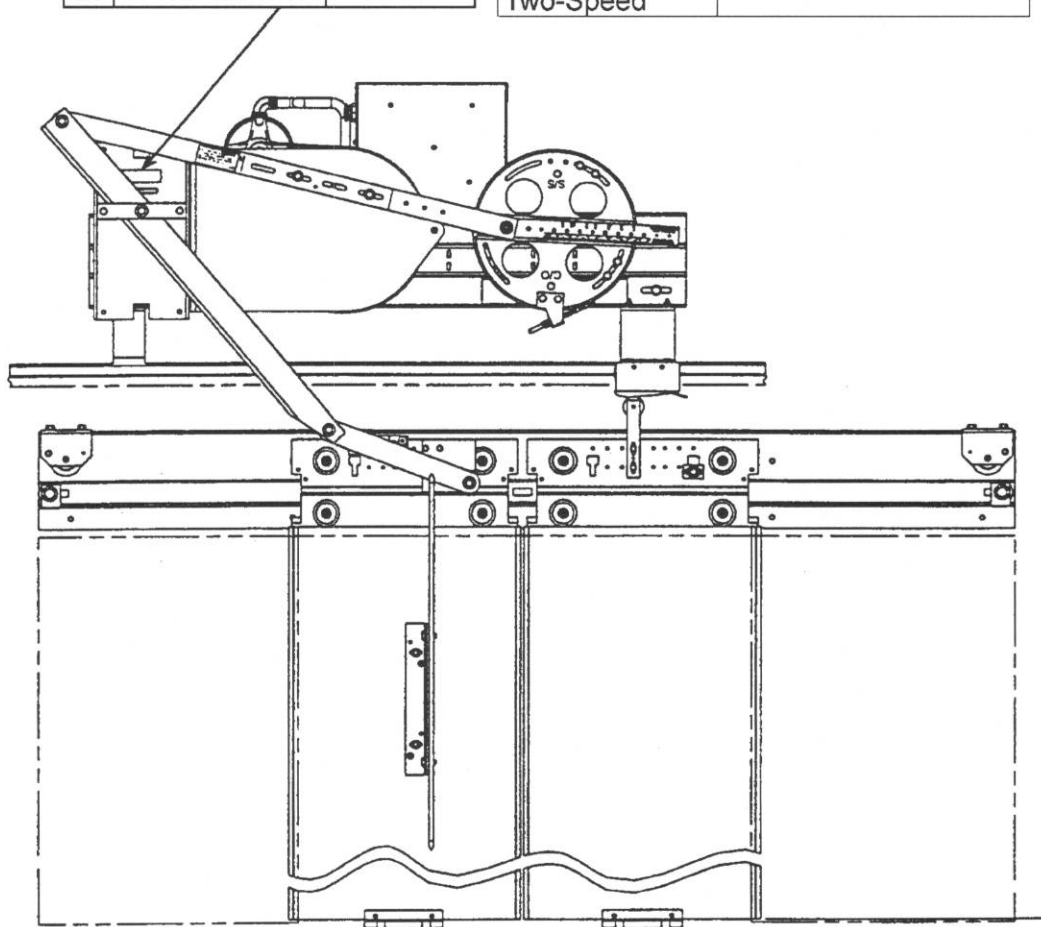
23-AAA24470M

May 5, 2003 / Page 1 of 9

Supersedes SPL 23-AAA24470M Dated March 1, 2001

23	H-ADA24470M	and Prior Vintages
23	H-AEA24450R	
23	H-AEA24460C	
23	H-ABA24470N	

DOOR SYSTEM	COMMENT
Center-Opening	Standard Cab, 84 in. H
Center-Opening	High Cab, 94 in. H
Single-Slide	
Two-Speed	



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for i-MOTION® II door operator linkage assemblies for center-opening, single-slide, and two-speed doors. It covers ADA24470M, AEA24450R, AEA24460C, and ABA24470N linkage assemblies.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
March 1, 2001	Duane Stupienski	New Leaflet, Initial Release
May 5, 2003	Jeffrey Smith	Vintage Changes: 1. ACA24470M, ABA24470N, ADA24460C, and ADA24450R represent changes in linkage bearings. 2. ADA24470M, AEA24460C, and AEA24450R represent weldless door project changes.

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA24350BH	Door Operator i-MOTION II c/o, s/s, 2/s	AAA24450R	Arrangement i-MOTION II and Linkage Assembly for Single Slide Doors
AAA24470M	Arrangement i-MOTION II and Linkage assembly for Center-Opening Doors	AAA24460C	Arrangement i-MOTION II and Linkage Assembly for Two-Speed Doors
AAA24470N	Service Arrangement i-MOTION II and Linkage Assembly for Center-Opening Doors, High Cab	---	---

Related Documents

Document ID	Title
SPL 23-AAA24350BH	Harmonic Drive i-MOTION® II Door Operator Engine Unit
SPL 19-AAA6178CS	Integral Car Hanger and Track—Otis Cab
SPL 19-AAA6178CT	Applied Car Hanger and Track—Vendor Cab

Subject Matter Expert

Name	Department
Jeff Smith	OSC Service Engineering

About Spare Parts Leaflets...

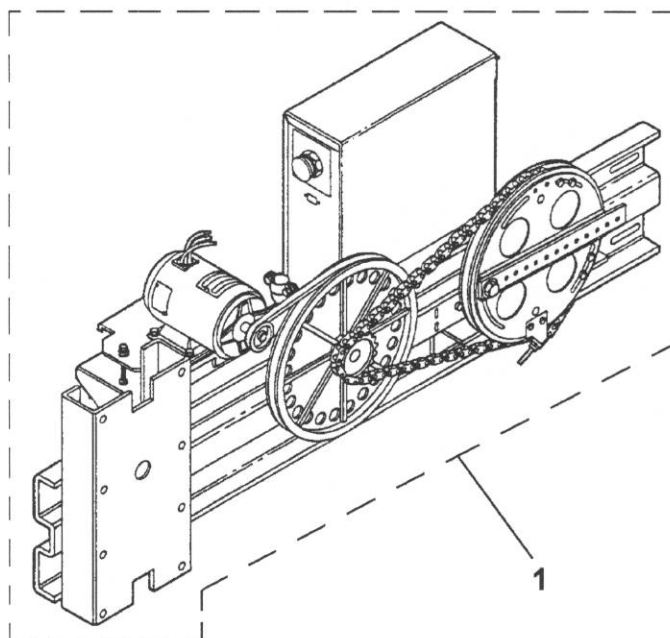
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

AAA24350BH Engine Assembly

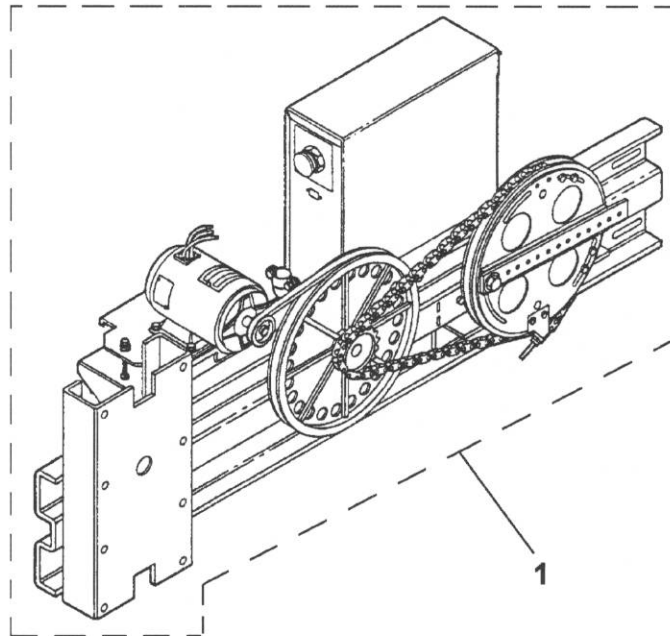
23-AAA24470M



AAA, AAB24470N
AAA, ABA24470M
AAA, ABA, ACA24460C
AAA, ABA, ACA24450R

NOTE: For more detailed information on component parts of the engine assembly, SPL 23-AAA24350BH, *Harmonic Drive i- MOTION® II Door Operator Engine Unit*.

REF. No.	PART No.	DESCRIPTION	COMMUNICATION
1	AAA24350BH1	Assembly, Operator Engine, for 32–42 in. Single-Slide, and 36–55 in. Two-Speed Doors	Discrete
	AAA24350BH2	Assembly, Operator Engine, for 36–60 in. Center-Opening Doors	
	AAA24350BH3	Assembly, Operator Engine, for 32–42 in. Single-Slide, and 36–55 in. Two-Speed Doors	
	AAA24350BH4	Assembly, Operator Engine, for 36–60 in. Center-Opening Doors	
	AAA24350BH5	Assembly, Operator Engine, for 32–42 in. Single-Slide, and 36–55 in. Two-Speed Doors	Multi-Drop w/Load-Weighing
	AAA24350BH6	Assembly, Operator Engine, for 36–60 in. Center-Opening Doors	
	AAA24350BH7	Assembly, Operator Engine, for 32–42 in. Single-Slide, and 36–55 in. Two-Speed Doors	
	AAA24350BH8	Assembly, Operator Engine, for 36–60 in. Center-Opening Doors	



ACA, ADA24470M
ABA24470N
ADA, AEA24460C
ADA, AEA24450R

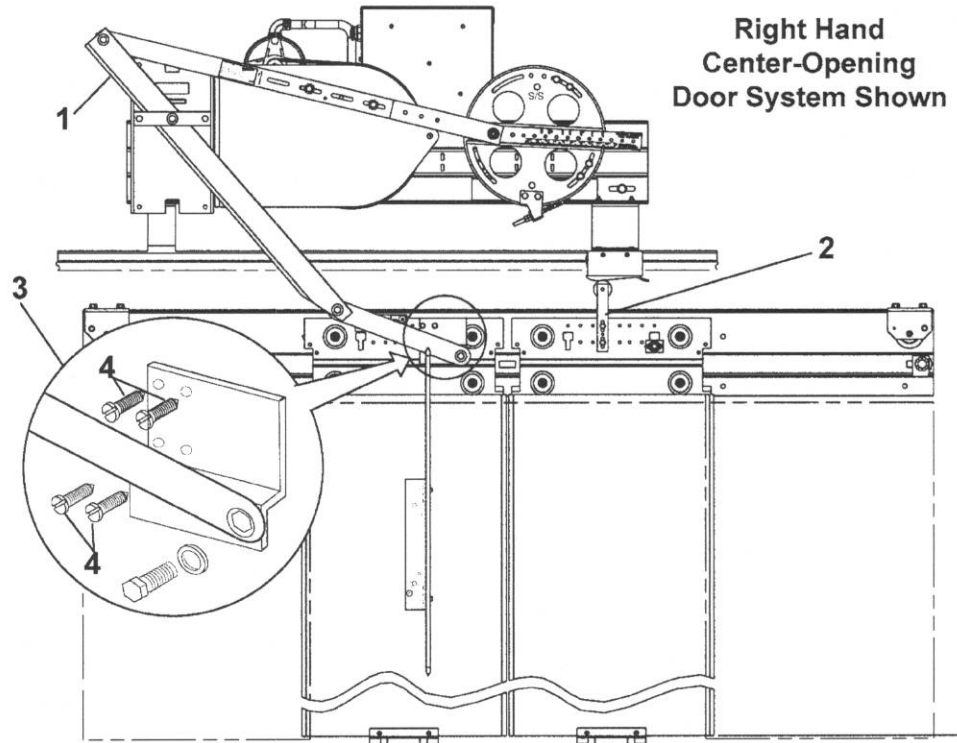
NOTE: For more detailed information on component parts of the engine assembly, SPL 23-AAA24350BH, *Harmonic Drive i-MOTION® II Door Operator Engine Unit*.

REF. No.	PART No.	DESCRIPTION	COMMUNICATION
1	ABA24350BH1	Assembly, Operator Engine, , for 32–42 in. Single-Slide, and 36–55 in. Two-Speed Doors	Discrete
	ABA24350BH2	Assembly, Operator Engine, for 36–60 in. Center-Opening Doors	
	ABA24350BH3	Assembly, Operator Engine, , for 32–42 in. Single-Slide, and 36–55 in. Two-Speed Doors	
	ABA24350BH4	Assembly, Operator Engine, , for 36–60 in. Center-Opening Doors	
	ABA24350BH5	Assembly, Operator Engine, , for 32–42 in. Single-Slide, and 36–55 in. Two-Speed Doors	Multi-Drop w/Load-Weighing
	ABA24350BH6	Assembly, Operator Engine, for 36–60 in. Center-Opening Doors	
	ABA24350BH7	Assembly, Operator Engine, , for 32–42 in. Single-Slide, and 36–55 in. Two-Speed Doors	
	ABA24350BH8	Assembly, Operator Engine, , for 36–60 in. Center-Opening Doors	

Center-Opening Doors

Linkage Components

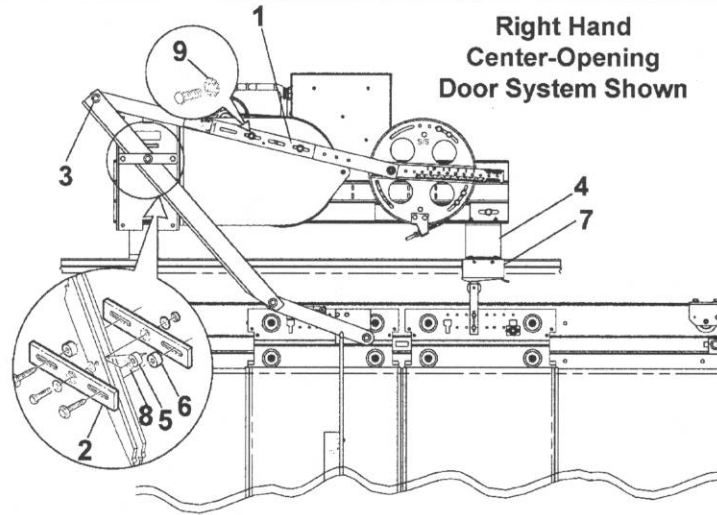
23-AAA24470M



	AAA, AAB24470M, ABA24470M AAA, AAB24470N	ACA, ADA24470M ABA24470N	
REF. No.	PART No.		DESCRIPTION
1	288TJ9	AAA288ACE7	Arm, Door Drive, Aluminum, 34.30 in. L, Entrance Height = 84 in.
	288TJ13	AAA288ACE9	Arm, Door Drive, Aluminum, 55.15 in. L, Entrance Height = 96 in.
2	288RH20		Assembly, Roller Arm, Arm Length = 9.12 in.
	288RH8		Assembly, Roller Arm, Arm Length = 6.12 in.
3	AAA430ES1	AAA430ES14	Assembly, Door Link w/Bracket + Bolt,  , Link = 13.75 in. L
	AAA430ES11	AAA430ES19	Assembly, Door Link w/Bracket + Bolt,  , Link = 13.75 in. L
	AAA430ES4	AAA430ES17	Assembly, Door Link w/Bracket + Bolt,  , Link = 8.75 in. L, Entrance Height = 96 in.
	AAA430ES5	AAA430ES18	Assembly, Door Link w/Bracket + Bolt,  , Link = 8.75 in. L, Entrance Height = 96 in.
4	109P2		Screw, Thread-Forming, 1/4 x 5/8 in. NOTE: Part is not included w/Ref. 3

Center-Opening Doors

Linkage Components

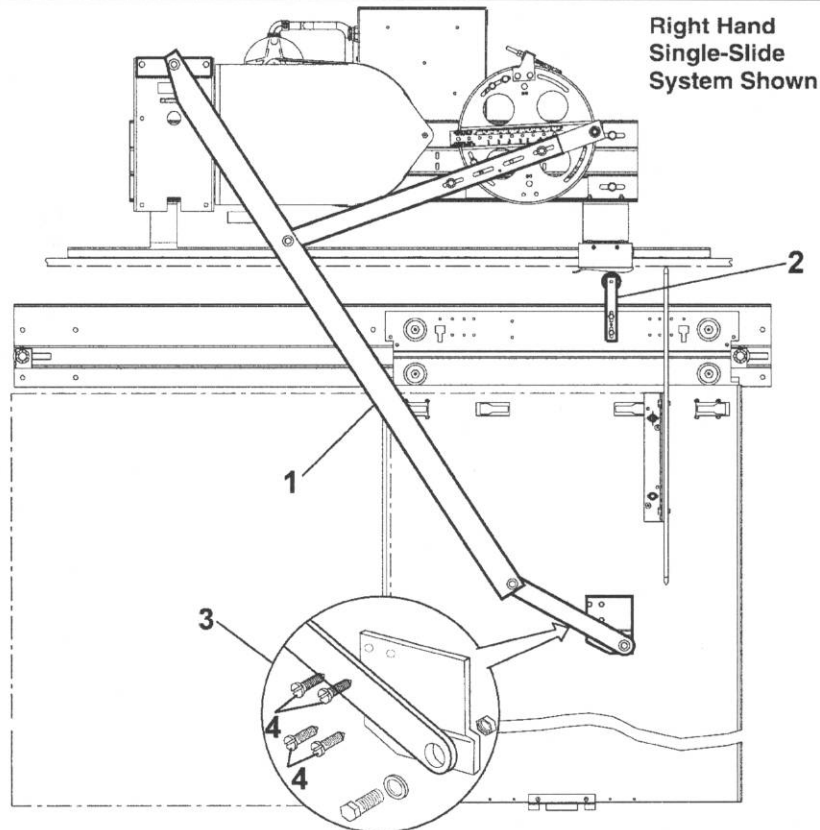


AAA, AAB, ABA24470M	ACA, ADA24470M
AAA, AAB24470N	ABA24470N

REF. No.	PART No.		DESCRIPTION
1	395F2	395F3	Assembly, Intermediate Drive Arm (two-piece assembly w/hardware)
2	299AKG4	AAA299ANY4	Bar, Drive Arm Mounting, Two per Assembly
3	58AP4	---	Bolt, Shoulder, Imperial, 3/8 x 1-1/4 in.
	---	AAA124HG1	Bolt, Shoulder, Metric, M8 x 20
4	AAA316GLV1		Bracket, Gate Switch, Standard Cab = 84 in. H
	AAA316GLW2		Bracket, Gate Switch, High Cab = 96 in. H
5	462HA129	---	Spacer, Aluminum, ⌀ = 0.40 in., One per Assembly
	---	462HA144	Spacer, Aluminum, ⌀ = 0.42 in., One per Assembly
6	462HA113	---	Spacer, Steel, ⌀ = 0.38 in., Two per Assembly
	---	462HA145	Spacer, Steel, ⌀ = 0.34 in., Two per Assembly
7	6098MV2		Switch, Gate
8	128AF18	---	Washer (shim), ⌀ 0.75 in., 0.016 in. Thick (quantity may vary)
	---	ISO7089M10-140HV-Z	Washer, ⌀ 20 mm, 2 mm Thick
9	130J5	---	Washer, Interior/Exterior Lock, 5/16 in.

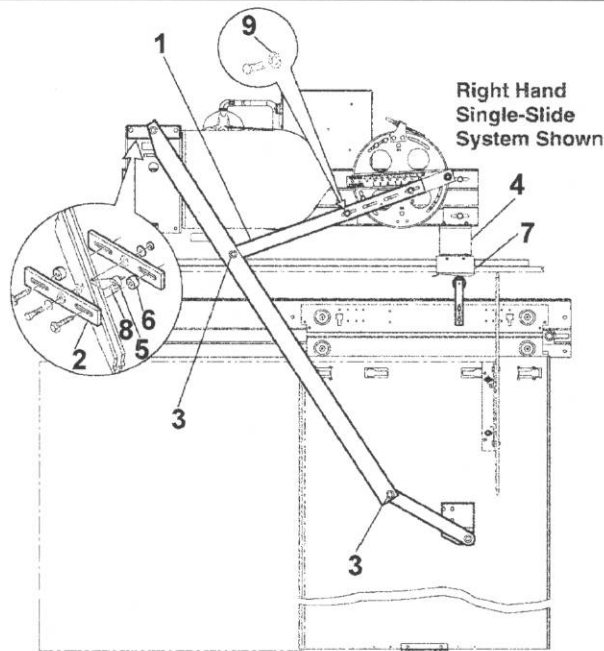
Single-Slide & Two-Speed Doors Linkage Components

23-AAA24470M



	AAA, ABA, ACA24450R		ADA, AEA24450R
	AAA, ABA, ACA24460C		ADA, AEA 24460C
REF. No.	PART No.		DESCRIPTION
1	288TJ12	AAA288ACE8	Arm, Door Drive, Aluminum, 59.68 in. L
2	288RH8		Assembly, Roller Arm, Arm Length = 6.12 in.
	288RH22		Assembly, Roller Arm, Arm Length = 6.40 in., Two-Speed Doors Only
	288RH20		Assembly, Roller Arm, Arm Length = 9.12 in.
3	AAA430ES2	---	Assembly, Door Link w/Bracket + Bolt, LH, Link = 13.75 in. L, 11-Bolt Mounting Pattern
	AAA430ES3	---	Assembly, Door Link w/Bracket + Bolt, RH, Link = 13.75 in. L, 4-Bolt Mounting Pattern
	---	AAA430ES13	Assembly, Door Link w/Bracket + Bolt, RH & LH, Link = 13.75 in. L
4	109P2	---	Screw, Thread-Forming, 1/4 x 5/8 in.
	---	DIN7500DM6 X16 -Z	Screw, M6 X 1 X 16 Hex Head Thread-Rolling

Single-Slide & Two-Speed Doors Linkage Components

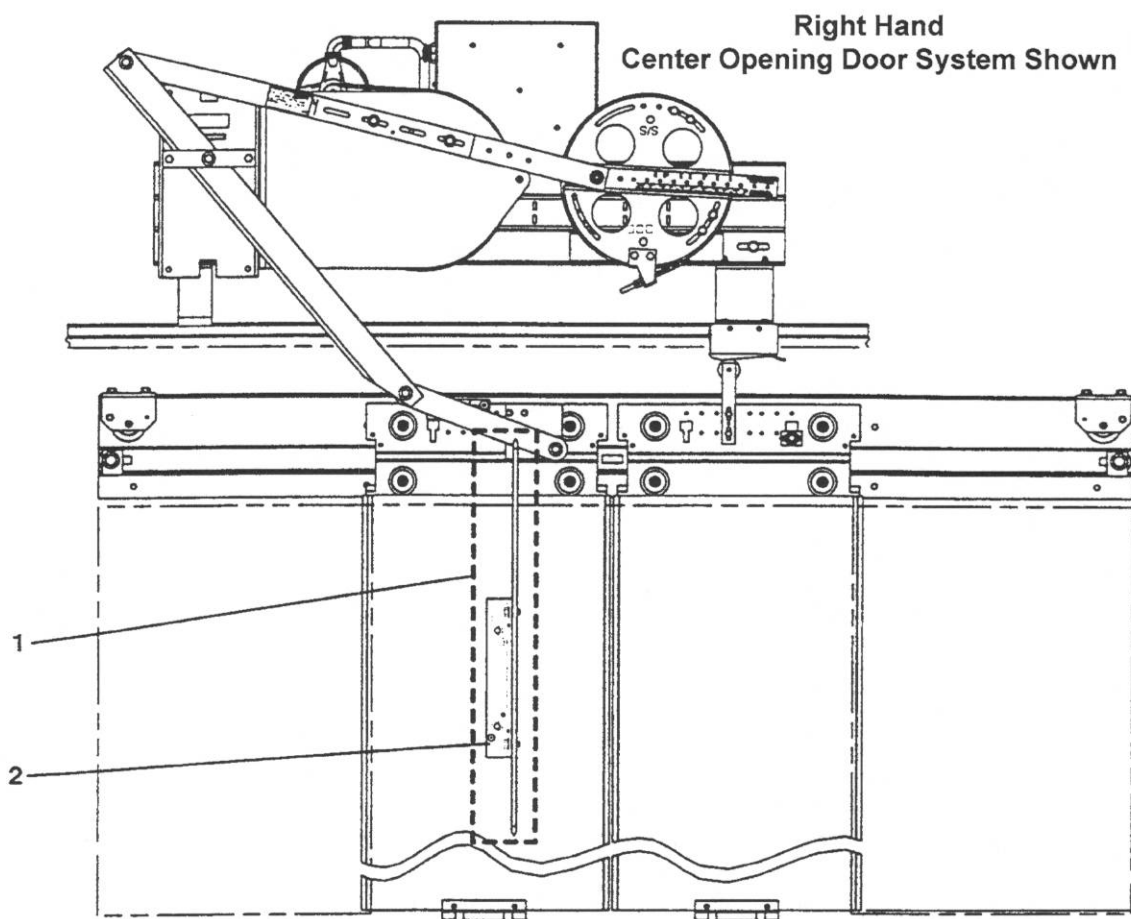


AAA, ABA, ACA24450R	ADA, AEA24450R
AAA, ABA, ACA24460C	ADA, AEA24450C

REF. No.	PART No.		DESCRIPTION
1	395F2	395F3	Assembly, Intermediate Drive Arm (two-piece assembly w/hardware)
2	299AKG4	AAA299ANY4	Bar, Drive Arm Mounting, Two per Assembly
3	58AP4	---	Bolt, Shoulder, Imperial, 3/8 x 1-1/4 in.
	---	AAA124HG1	Bolt, Shoulder, Metric, M8 x 20
4	AAA316GLV1		Bracket, Gate Switch, Standard Cab = 84 in. H
	AAA316GLW2		Bracket, Gate Switch, High Cab = 96 in. H
5	462HA129	---	Spacer, Aluminum, $\varnothing = 0.40$ in., One per Assembly
	---	462HA144	Spacer, Aluminum, $\varnothing = 0.42$ in., One per Assembly
6	462HA113	---	Spacer, Steel, $\varnothing = 0.38$ in., Two per Assembly
	---	462HA145	Spacer, Steel, $\varnothing = 0.34$ in., Two per Assembly
7	6098MV2		Switch, Gate
8	128AF18	---	Washer (shim), $\varnothing 0.75$ in., 0.016 in. Thick (quantity may vary)
	---	ISO7089M10-140HV-Z	Washer, $\varnothing 20$ mm, 2 mm Thick
9	130J5	---	Washer, Interior/Exterior Lock, 5/16 in.

Vane Assembly for All Door Systems

23-AAA24470M



REF. No.	PART No.	ALL PRIOR VINTAGES & A**24470N	AEA24470R AEA24470C ADA24470M	DESCRIPTION
1	---		AAA24395C1	Assembly, Vane,  , for Weldless Doors
	AAA6940BZ1		---	
	---		AAA24395C2	Assembly, Vane,  , for Weldless Doors
	AAA6940BZ2		---	
2	AAA141AV1		---	Rivet

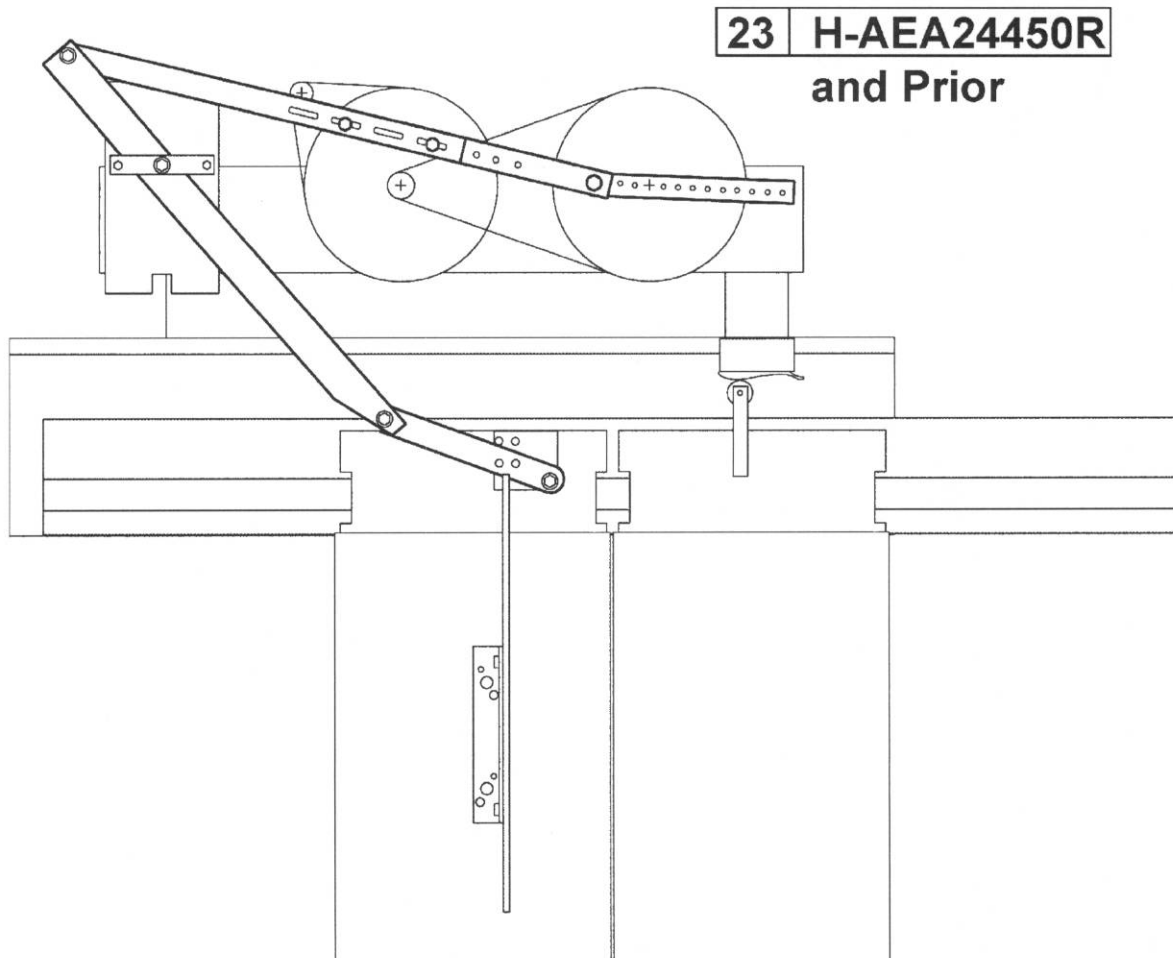
**i-MOTION® II Door Operator
Single-Slide Arrangement &
Linkage Assembly (Mod & NEB)**

Spare Parts Leaflet

23-AAA24450R

October 9, 2002, Page 1 of 1

Supersedes SPL 23-AAA24450R Dated March 1, 2001



Please 

SPL 23-AAA24470M, i-MOTION® II Door Operator Linkage Assemblies

Unpublished Work—© Otis Elevator Co.; 2002



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

**Otis Elevator Company
Bloomfield, Connecticut USA**

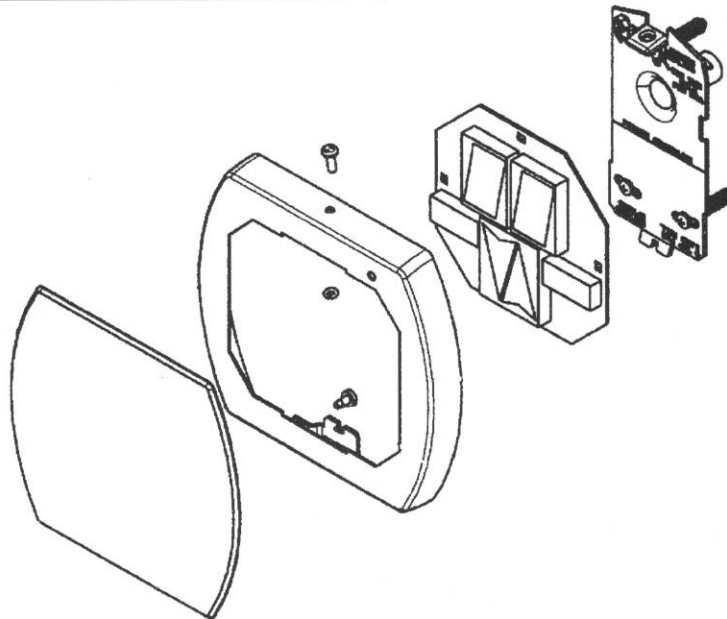
**Landing Fixture
Hall Position Assembly
Flat Display**

Spare Parts Leaflet

22-AAA23600X

August 25, 2003 / Page 1 of 3

22 R-AAA23600X



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for type AAA23600X hall position assembly flat display landing fixture.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
August 25, 2003	Dennis Rehmer	New Leaflet

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA23600X	Landing Fixture Hall Position Assembly Flat Display		

Related Documents

Document ID	Title
---	---

Subject Matter Expert

Name	Department
Dennis Rehmer	Farmington Engineering

About Spare Parts Leaflets...

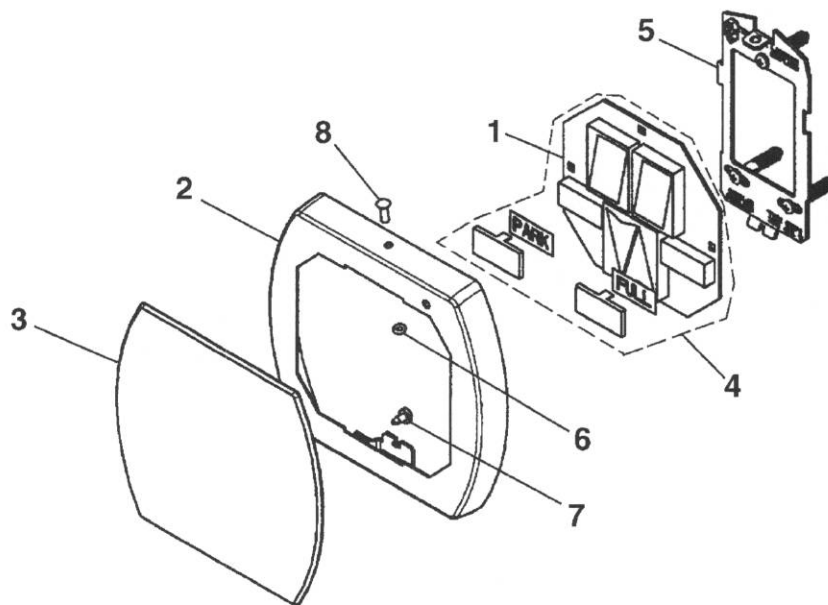
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

Landing Fixture Components

22-AAA23600X



AAA23600X			
REF. No.	PART No.	DESCRIPTION	
1	AAA26800AGP1	Board, Electronic Printed Circuit	
	AAA26800AKM1	Board, Discrete Printed Circuit	
*	AAA175ABY1	Conductor	
2	AAA374YU998-SSB	Frame	Brushed Stainless
	AAA374YU998-SSM		Mirror Stainless
	AAA374YU998-GOLDB		Brushed Bronze
	AAA374YU998-GOLDM		Mirror Bronze
3	AAA443EP1	Lens	
4	AAA23600X500	PCB, RSL p/n AAA26800AGP1, with "Fire Hat" and "Please Exit" Symbol Masks and a Cover, English	
	AAA23600X501	PCB, Discrete p/n AAA26800AKM1, with "Fire Hat" and "Please Exit" Symbol Masks and a Cover, French	
5	AAA308WR1	Plate	
6	AAA172TY1	Ring	
7	---	Screw, M4 x 8, Zinc Plated (DIN7500CM4X8-Z-Z)	
8	AAA124HE1	Screw, Tamperproof, M4	SSB (brushed stainless)
	AAA124HE2		GOLDB (brushed bronze)
	AAA124HE3		SSM (mirror stainless)
	AAA124HE4		GOLDM (mirror bronze)

* Part not shown.

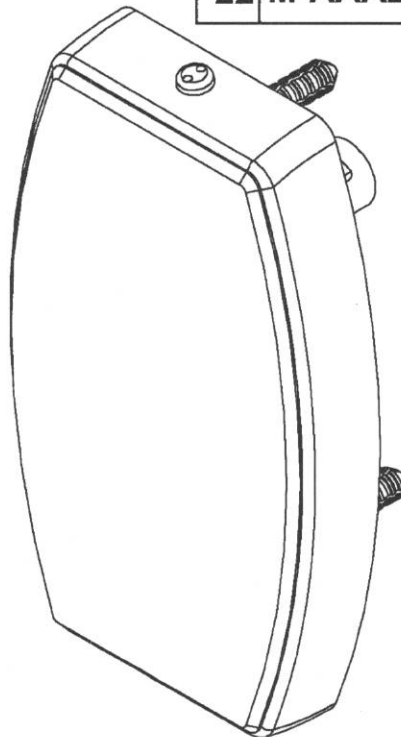
**Landing Fixture
Hall Position Assembly:
Flat Slim Display**

Spare Parts Leaflet

22-AAA23600AB

August 15, 2003 / Page 1 of 3

22 M-AAA23600AB



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet describes the replaceable parts for flat slim display in hall position assembly used in NSAA.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
August 15, 2003	Dennis Rehmer	New SPL
---	---	---

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA23600AB	Landing Fixture, Hall Position Assembly, Flat Slim Display	---	---

Related Documents

Document ID	Title
SPL 22-AAA23600Y	Landing Fixture Hall Position Assembly: Large Flat Display
SPL 22-AAA23600X	Landing Fixture Hall Position Assembly: Flat Display

Subject Matter Expert

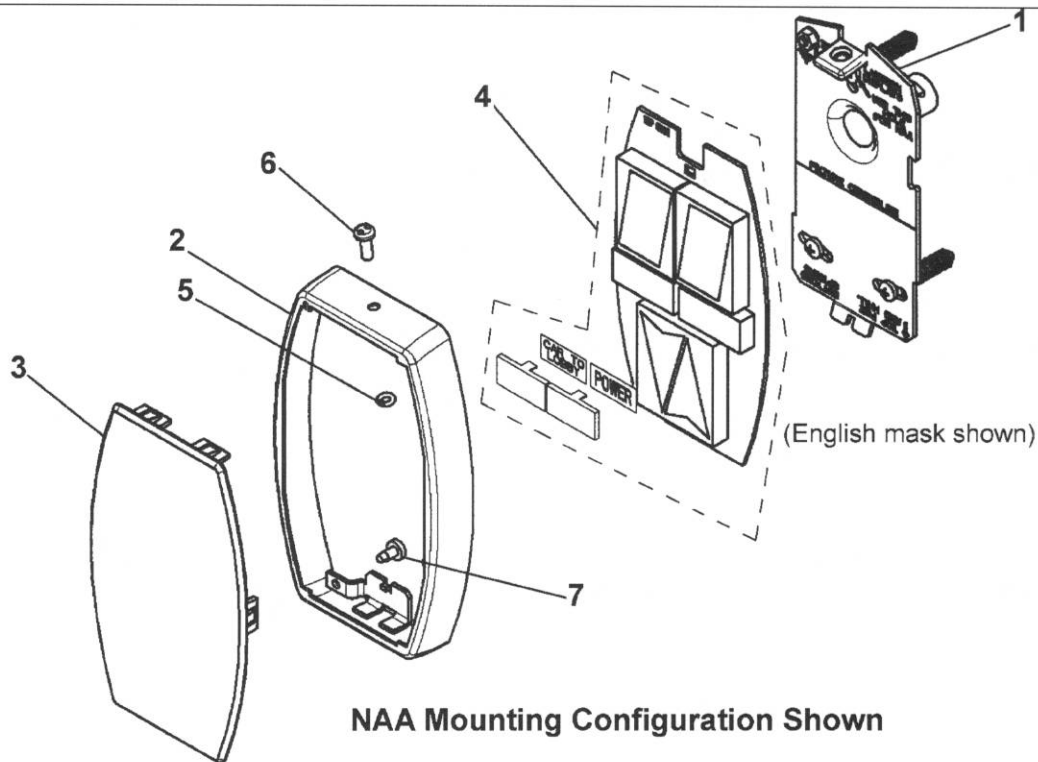
Name	Department
Dennis Rehmer	OECF-Farmington

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.



AAA23600AB			
REF. No.	PART No.	DESCRIPTION	
1	AAA308WR1	Box	
*	AAA175ABY1	Conductor	
2	AAA374YZ998-SSB	Frame	Brushed Stainless
	AAA374YZ998-SSM		Mirror Stainless
	AAA374YZ998-GOLDB		Brushed Bronze
	AAA374YZ998-GOLDM		Mirror Bronze
3	AAA443ES1	Lens	
4	AAA23600AB500	PCB, RSL, with "Power," and "Car to Lobby" Masks, and Lenses, English	
	AAA23600AB501	PCB, RSL, with "Power," and "Car to Lobby" Masks, and Lenses, French	
5	AAA172TY1	Ring	
6	AAA124HE1	Screw, M4, Tamper Proof	SSB (brushed stainless)
	AAA124HE2		GOLDB (brushed bronze)
	AAA124HE3		SSM (mirror stainless)
	AAA124HE4		GOLDM (mirror bronze)
7	DIN7500CM4X8-Z-Z	Screw, M4x8 Cross Recessed Pan Head Thread Rolling	

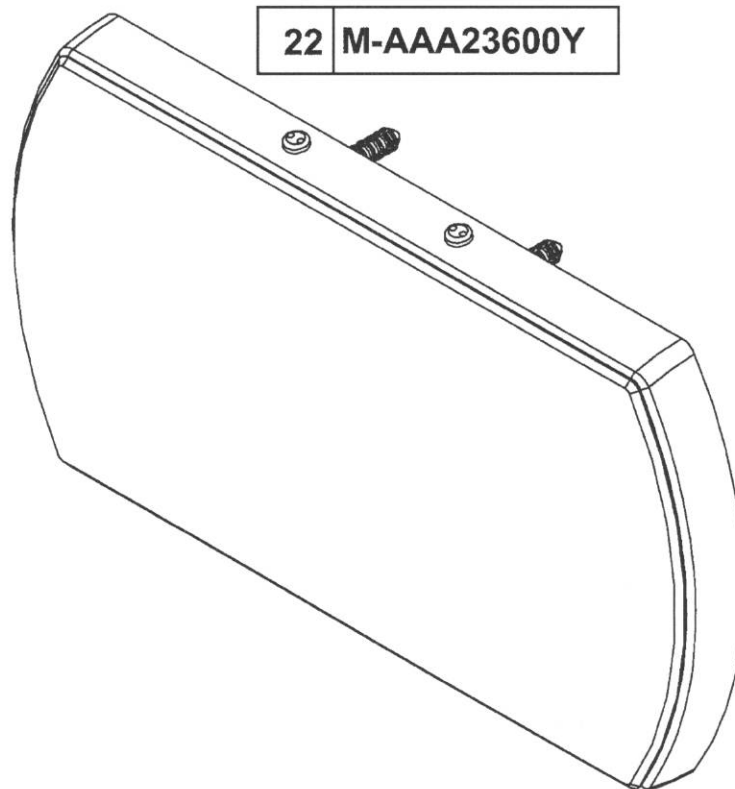
* Part not shown.

**Landing Fixture
Hall Position Assembly:
Large Flat Display**

Spare Parts Leaflet

22-AAA23600Y

August 15, 2003 / Page 1 of 3



22 M-AAA23600Y

Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet describes the replaceable parts for large flat display in hall position assembly used in NSAA.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
August 15, 2003	Dennis Rehmer	New SPL
---	---	---

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA23600Y	Landing Fixture, Hall Position Assembly, Large Flat Display	---	---

Related Documents

Document ID	Title
SPL 22-AAA23600AB	Landing Fixture Hall Position Assembly: Flat Slim Display
SPL 22-AAA23600X	Landing Fixture Hall Position Assembly: Flat Display

Subject Matter Expert

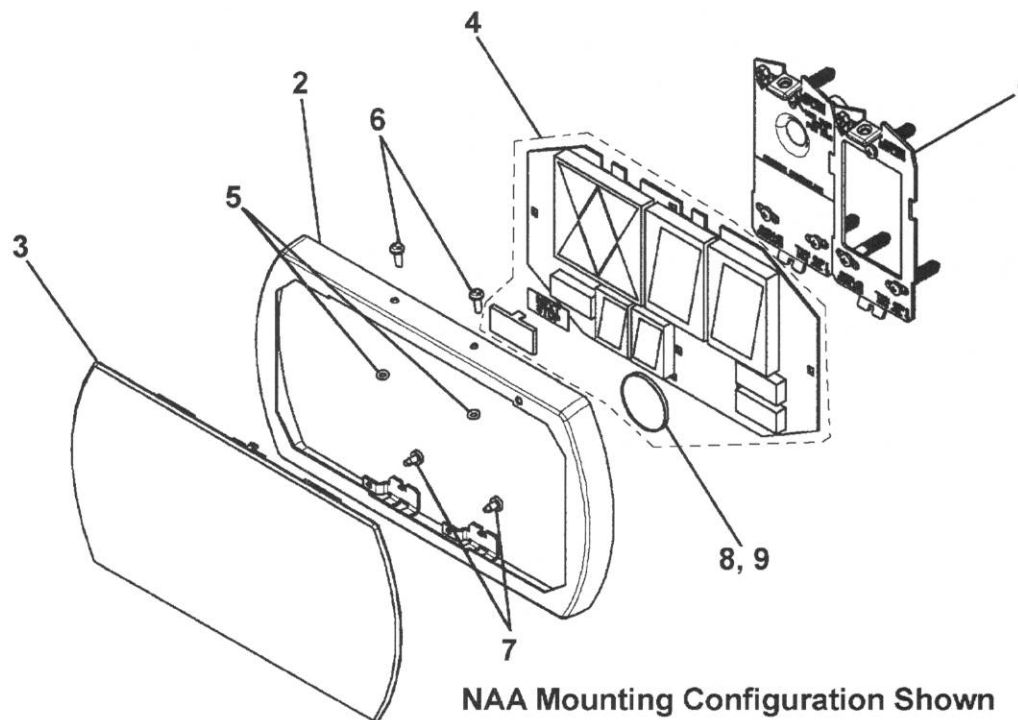
Name	Department
Dennis Rehmer	OECF-Farmington

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.



AAA23600Y			
REF. No.	PART No.	DESCRIPTION	
1	AAA308WR4	Box	
*	AAA175ABY1	Conductor	
2	AAA374YW998-SSB	Frame	Brushed Stainless
	AAA374YU998-SSM		Mirror Stainless
	AAA374YU998-GOLDB		Brushed Bronze
	AAA374YU998-GOLDM		Mirror Bronze
3	AAA443EQ1	Lens	
4	AAA23600Y500	PCB, RSL, Including "Next Stop" Mask, Lens, Tape, and Transducer	
5	AAA172TY1	Ring	
6	AAA124HE1	Screw, M4, Tamper Proof	SSB (brushed stainless)
	AAA124HE2		GOLDB (brushed bronze)
	AAA124HE3		SSM (mirror stainless)
	AAA124HE4		GOLDM (mirror bronze)
7	DIN7500CM4X8-Z-Z	Screw, M4x8 Cross Recessed Pan Head Thread Rolling	
8	AAA297BK2	Tape, Adhesive	
9	AAA655D1	Transducer, Communications (w/o adhesive tape, ref. 8)	

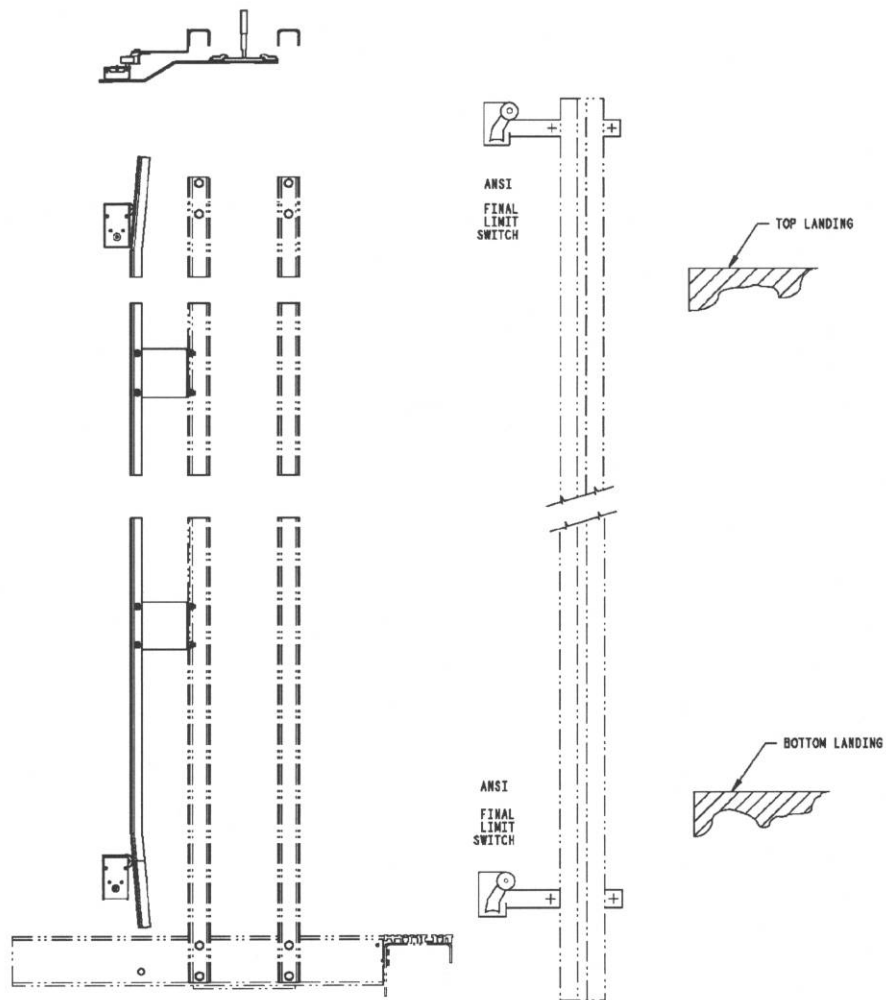
* Part not shown.

Limit Switch (Gen2 R2)

Spare Parts Leaflet

05-AAA6098NY

September 18, 2003 / Page 1 of 3



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for type AAA6098NY limit switch assembly.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
September 18, 2003	Wendy Smerk	New SPL

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA6098NY	Limit Switch		

Related Documents

Document ID	Title
---	---

Subject Matter Expert

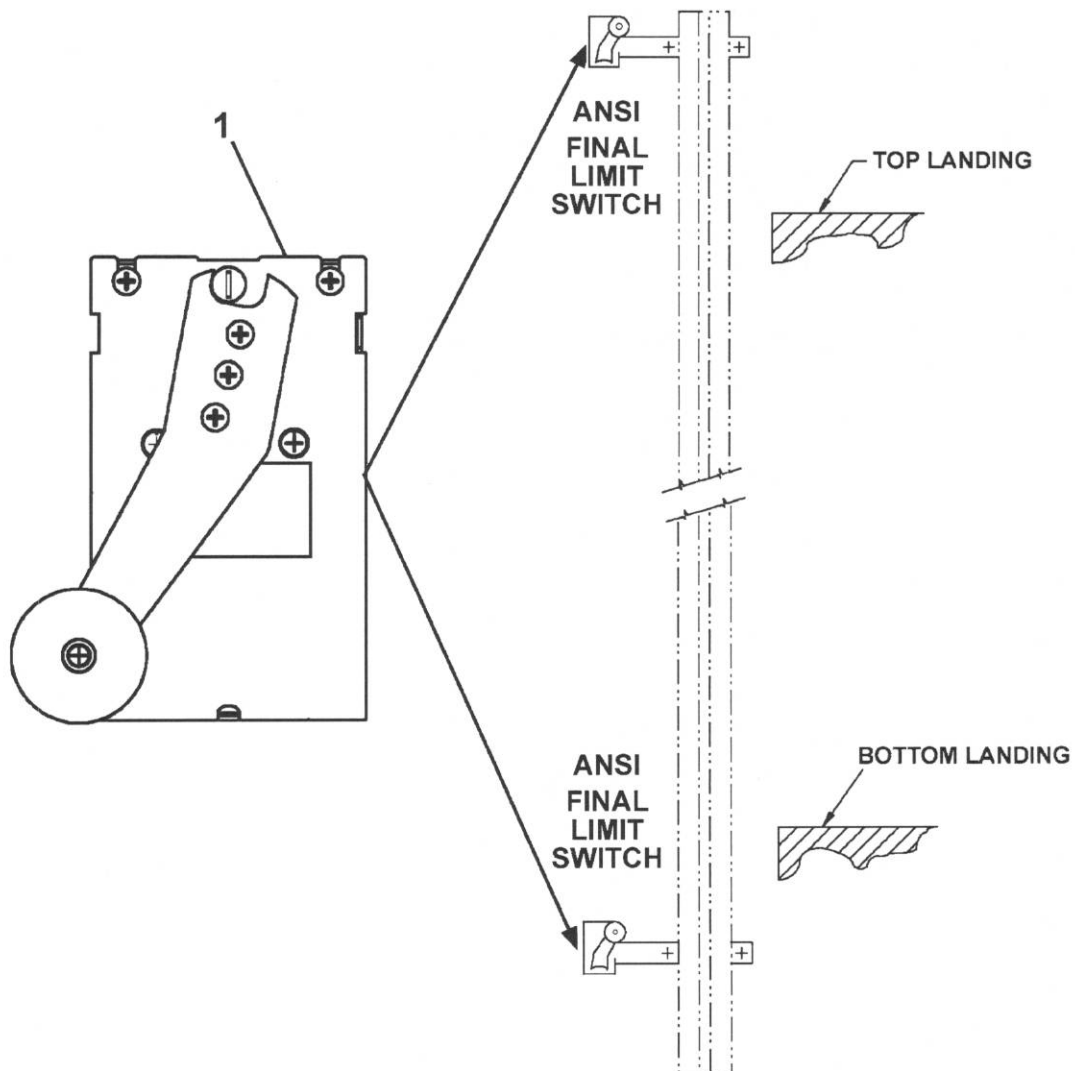
Name	Department
Wendy Smerk	Bloomington New Equipment Engineering

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.



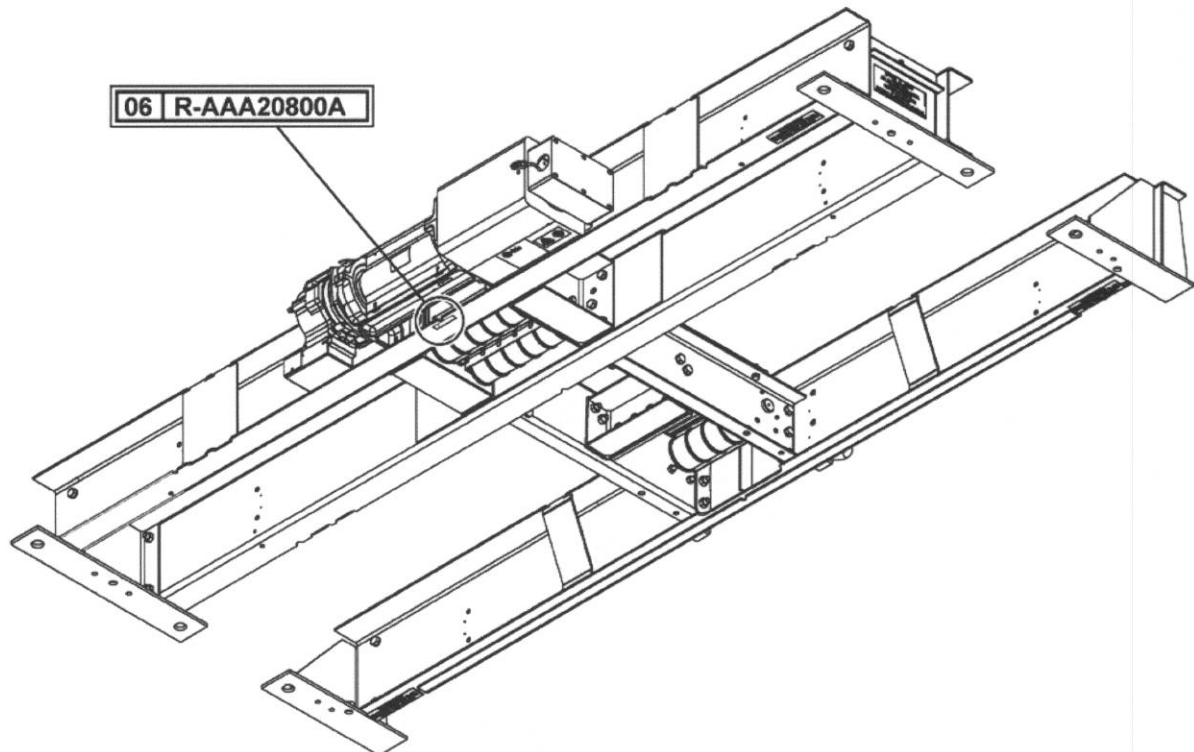
W/O VINTAGE			
REF. No.	PART No.	DESCRIPTION	
1	AAA6098NM1	Switch, Limit,  , Single-Pole Breaking (shown)	 SPL 05-6098
	AAA6098NM2	Switch, Limit,  , Single-Pole Breaking (opposite)	

**Machine-Room
Support Structure
GeN2 R2 (Limited Duty)**

Spare Parts Leaflet

06-AAA20800A

August 26, 2003 / Page 1 of 3



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

The SPL describes the lowest replaceable units (LRU) for the Gen2 Limited Duty machine support structure and rear counterweight.

Special Instructions:

The sheave (p/n AAA20780A2) must have the anti-fretting compound (p/n AAA349C1) applied prior to installation.

1. Thoroughly clean and degrease the shaft surfaces to be lubricated before applying the anti-fretting compound. Machining residues and anti-corrosion layers also have to be removed. Bearing journal areas of the shaft in particular must be clean prior to application.
2. Apply approximately 1.2 grams of compound per shaft in the area of the bearing journals. Spread the paste uniformly on the bearing journal areas using a soft cloth, paintbrush, or synthetic sponge that is not too soft.

NOTE: 1.2 grams is about 12mm (0.5 inch) long by 9mm (3/8 inch) diameter paste.

Application can also be applied from spray cans. The shaft bearing journal areas must have a frosted appearance and uniform coverage after the spray propellant evaporates.

3. The application should have a uniform dull sheen appearance. Keep in mind to apply only a thin layer yet ensure that the entire bearing journal surfaces are covered. Excessive application is not beneficial and may have a harmful effect if excess comes in contact with the bearing grease.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
April 9, 2003	Mark Orelup	New SPL
August 26, 2003	Wendy Smerk	New information added pp. 2 & 3

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA20780A2	Non-Rotating Shaft	AAA20800A	Arrangement Machine Support Structure NAA/Rear Cwt.
AAA29000AC	Arrangement Gen2 R2 NAA (953 and 1134 Kg Duties)	AAA20800B	Arrangement Machine Support Structure NAA/Rear Cwt.

Related Documents

Document ID	Title
SPL 06-AAA20220AK	Gen2 R2 NAA Limited Duty Machine
SPL 06-AAA20800B	Machine Room Support Structure Gen2 R2 (LD)

Subject Matter Expert

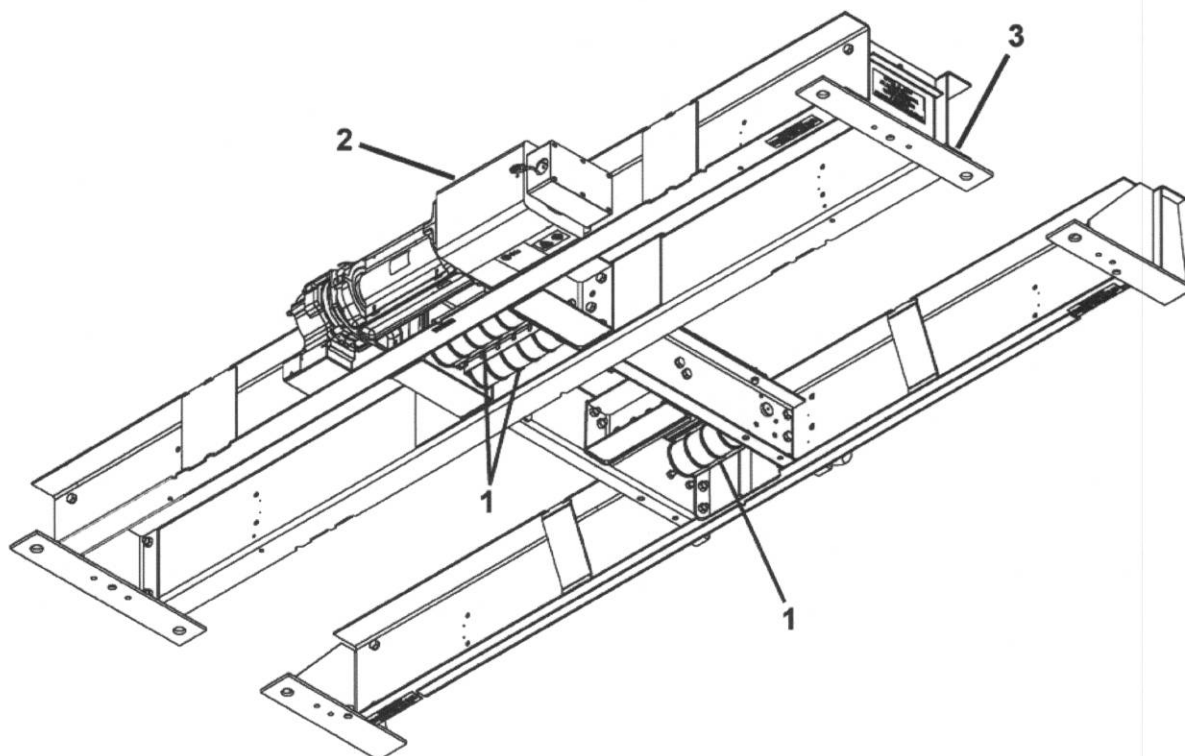
Name	Department
Wendy Smerk	Engineering, NEB

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.



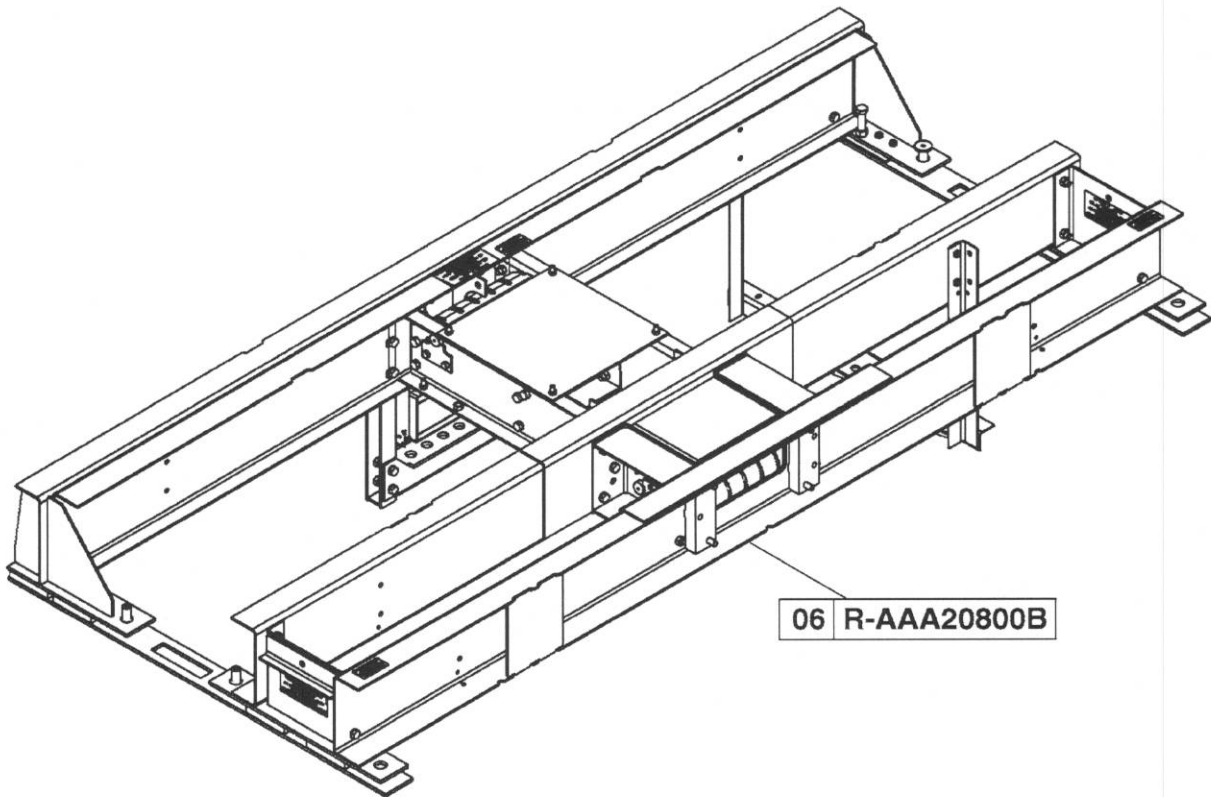
W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	AAA20780A2	Assembly, Sheave
2	---	Machine,  SPL 06-AAA20220AK
3	---	Structure, Machine-Room Support,  SPL 06-AAA20800B

**Machine-Room
Support Structure Gen2™
R2 (Limited Duty)**

**Spare Parts Leaflet
06-AAA20800B**

August 25, 2003 / Page 1 of 3

Supersedes SPL 06-AAA20800B Dated May 1, 2003



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

The SPL describes the lowest replaceable units (LRU) for the Gen2™ machine support structure and rear counterweight.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
November 8, 2002	Mark Orelup	New SPL
May 1, 2003	Mark Orelup	Added Reference to SPL 06-AAA20800A on the History Page
August 25, 2003	Wendy Smerk	Updated vintage information on cover page. Added reference to sheaves on page 3.

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA20800B	Arrangement Machine Support Structure NAA/Rear CWT	AAA24750B	Car Slack Rope Device
AAA20800A	Integrated Machine and Bedplate Structure (IMBS) NAA/Rear CWT	AAA29000AC	Arrangement Gen2 R2 NAA (953 and 1134 kg duties)

Related Documents

Document ID	Title
SPL 06-AAA20220AK	Gen2 R2 NAA Limited Duty Machine
SPL 06-AAA20800A	Gen2 R2 NAA Limited Duty Machine Structure

Subject Matter Expert

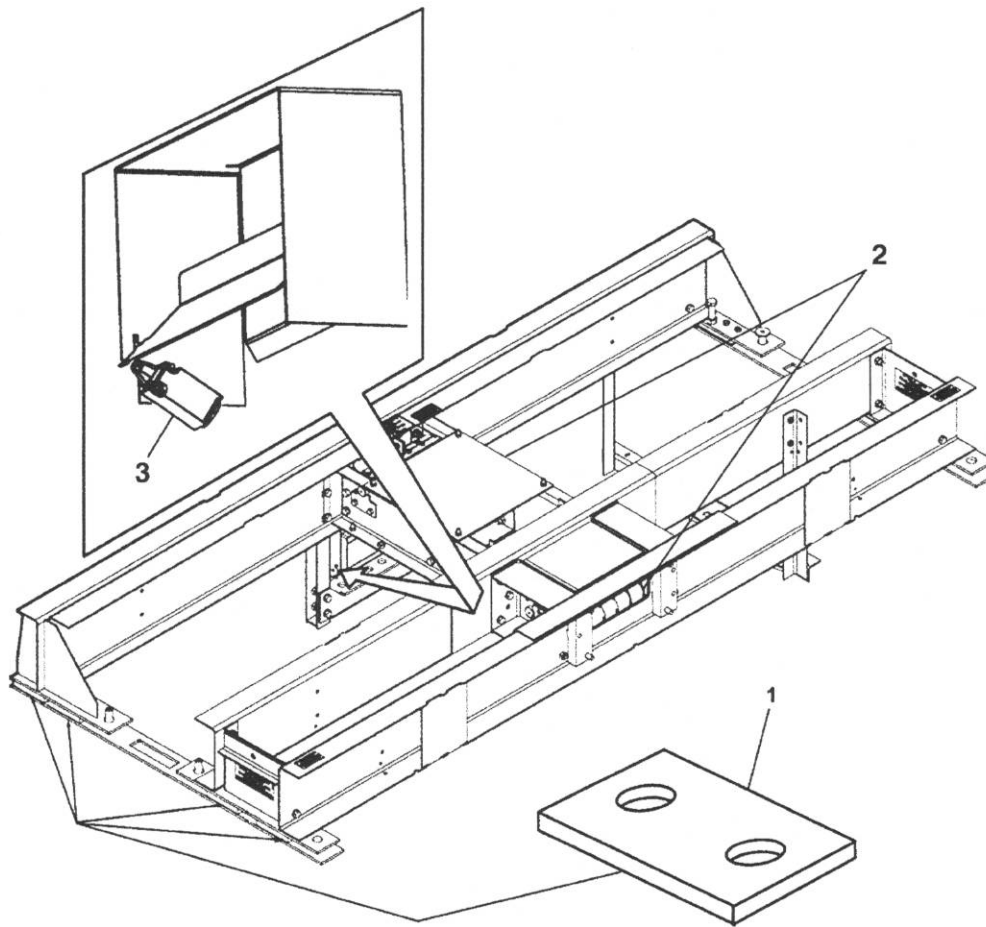
Name	Department
Wendy Smerk	NSAA SIT, Bloomington

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.



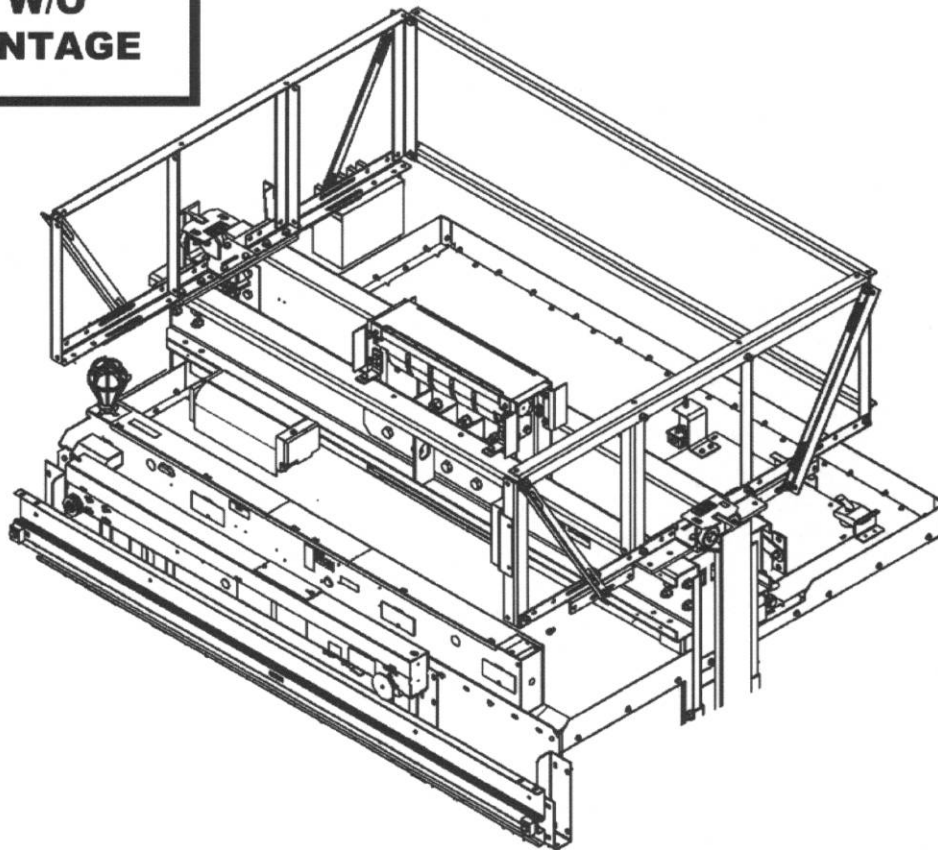
AAA20800B		
REF. No.	PART No.	DESCRIPTION
1	310BE2	Pad, Isolation, 3 x 6 in. L
2	---	Sheaves,  SPL 06-AAA20800A
3	AAA661D5	Switch, Snap Action, SPDT (special purpose)

**Miscellaneous
Top-of-Car
Components-GEN2**

**Spare Parts Leaflet
14-AAA25400AV**

January 27, 2004 / Page 1 of 3

**W/O
VINTAGE**



Unpublished Work—© Otis Elevator Co.; 2004



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING
Otis Elevator Company
Bloomfield, Connecticut
USA

Leaflet Description

This leaflet describes car components spare parts information for the Gen2 Extended Duty elevator system.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
January 27, 2004	Brian Mierzejewski	New SPL.
---	---	---

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA25400AV	Car Component and Wiring Layout Gen2 Extended Duty	FAA24011Z	Carframe, Platform, Ceiling, and Balustrade
AAA24831H	Top of Car Inspection Box Pluggable Gen2	AAA25580AS	Integrated Top of Car Box
AAA29000AD	Gen2 Extended Duty System Drawing		

Related Documents

Document ID	Title
SPL 17-AAA25580AS	Top-of-Car Integration Box for Gen2™ Systems
SPL 14-M..24831A	Top-of-Car Inspection Box

Subject Matter Expert

Name	Department
Brian Mierzejewski	Otis Engineering Center, Farmington

About Spare Parts Leaflets...

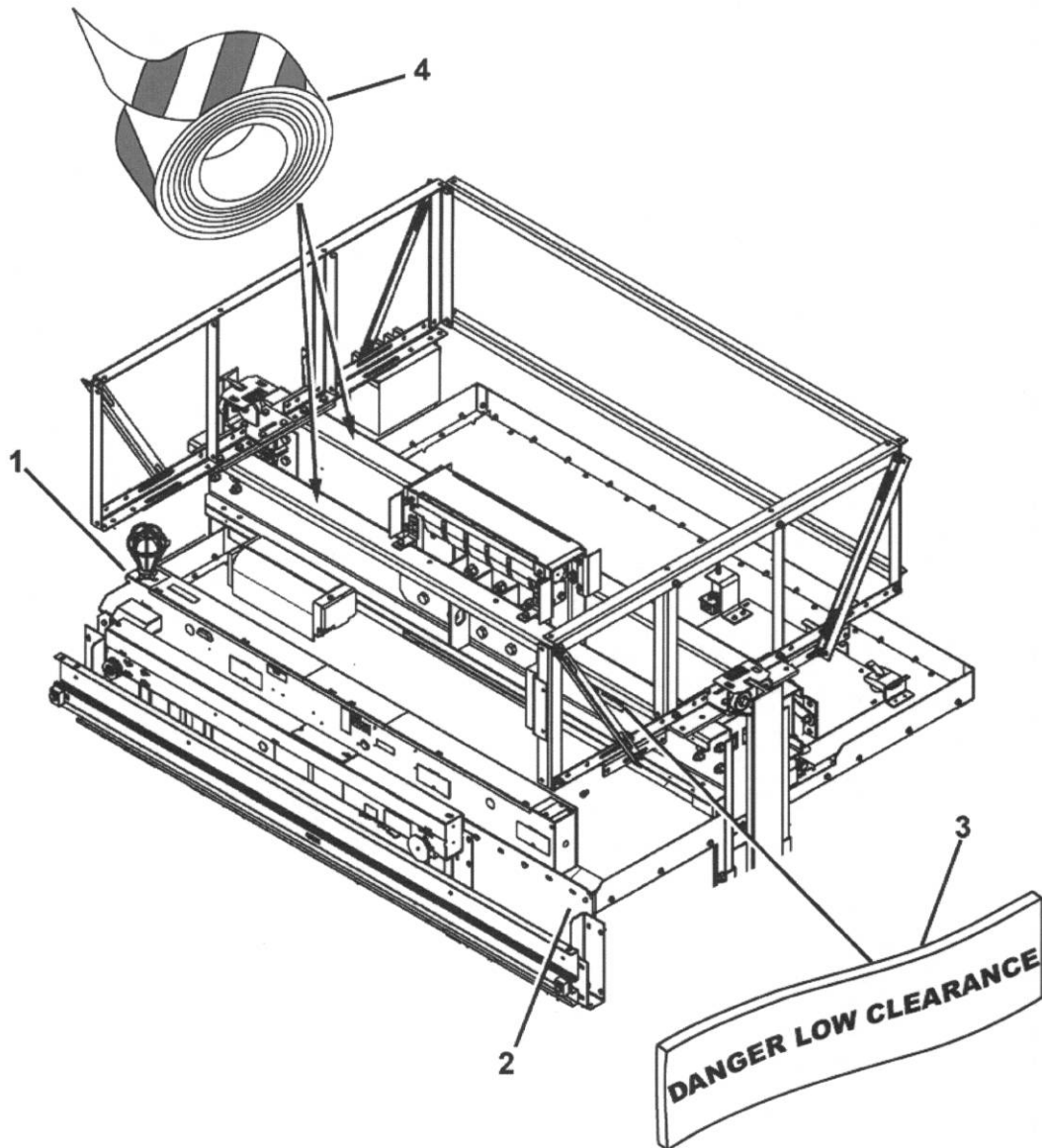
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

Car Components

14-AAA25400AV



W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	---	Assembly, Integrated Top-of-Car Box,  SPL 17-AAA25580AS
*2	--	Assembly, Top-of-Car Inspection Box,  SPL 14-M..24831A
3	AAA102ALY1	Label, with Adhesive Backing, 50 x 150 mm, "Danger Low Clearance"
4	AAA297BA3	Tape, Striped Safety Hazard, with Adhesive Backing, Red and White Striped, 4.0 in. Wide x 7 Yards Long Roll
**5	AAA512A400	Telephone and Accessories Intercom

* General location, part not shown.

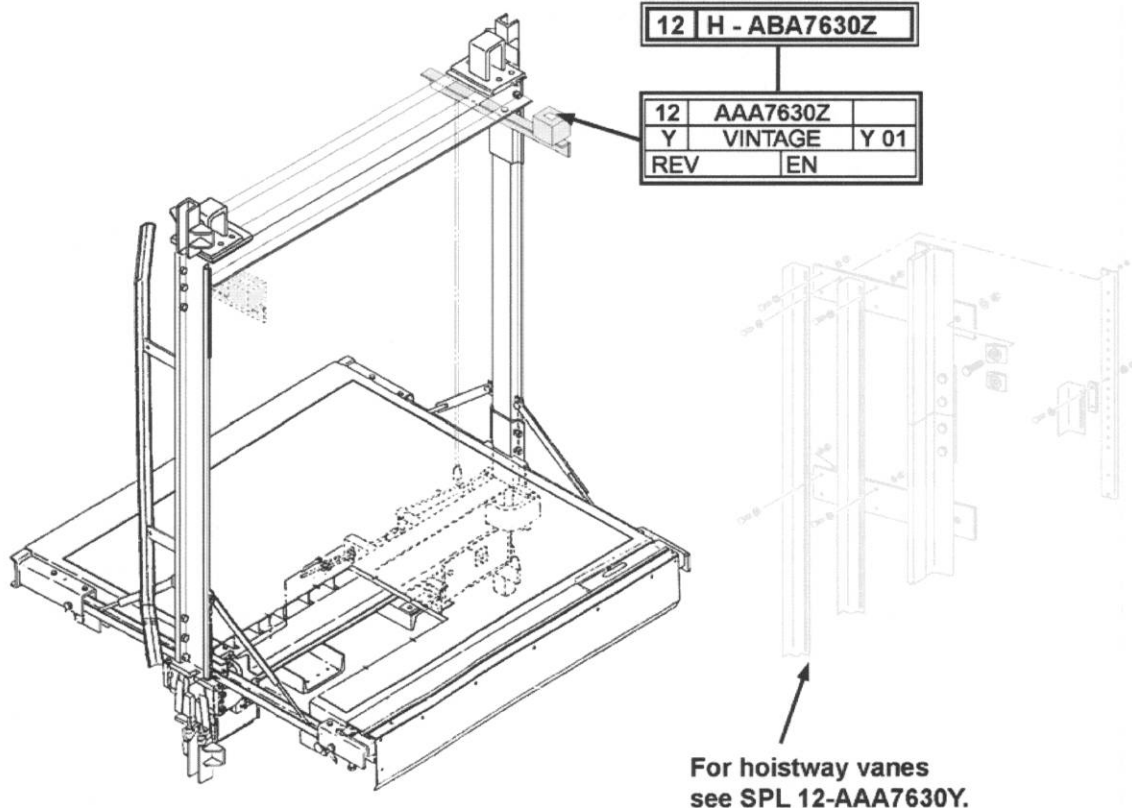
** Part not shown.

Position Transducer Device

Spare Parts Leaflet 12-AAA7630Z

July 7, 2003 / Page 1 of 3

Supersedes SPL 12-AAA7630Z Dated May 1, 2000



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for type ABA7630Z position transducer device.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
June 1994	---	New SPL
January 1997	---	Update parts
May 1, 2000	Ali Bozorgzadeh	Update parts and artwork
July 7, 2003	John Dwyer	Update parts and artwork

Related Drawings

Drawing No.	Title	Drawing No.	Title
ABA7630Z	Assembly Position Transducer Device	AAA7630AA	Arrangement Position Transducer Device (roped traction pluggable application)
AAA27076AU	Not Released (6/9/03)	AAA21303BX	Terminal Block
AAA22439U	Position Transducer Arrangement Gen2 LD	AAA22439V	Position Transducer Arrangement Gen2 ED

Related Documents

Document ID	Title
SPL 12-AAA7630Y	Position Transducer Vanes

Subject Matter Expert

Name	Department
John Dwyer	OSC, Engineering

About Spare Parts Leaflets...

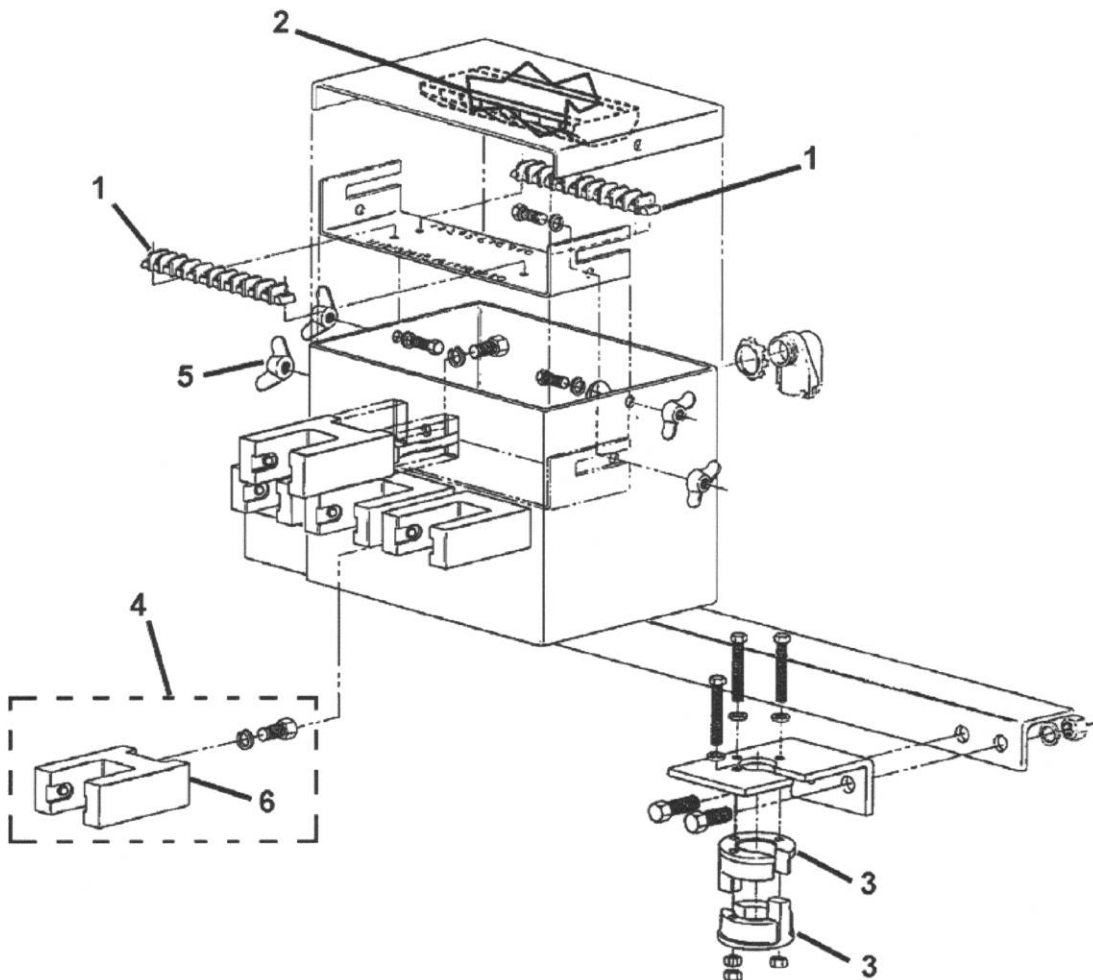
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

Position Transducer Device Components

12-AAA7630Z



	AAA7630Z	ABA7630Z	
REF. No.	PART No.		DESCRIPTION
1	P303CG3	---	Block, Terminal
2	---	AAA303EP10	Block, Terminal, 2 Entry, Gray
		AAA303EP12	Block, Terminal, 4 Entry, Blue
		AAA303EP143	Block, Terminal, 4 Entry, Orange
3	385JW1		Guide
4	2700CAE1 → AAA27076AU2		Kit, Switch + Screw and Washer
5	72FD4		Nut, Wing
6	JO629W1 JO629W3 AAA27076AU1	AAA629AG5	Switch

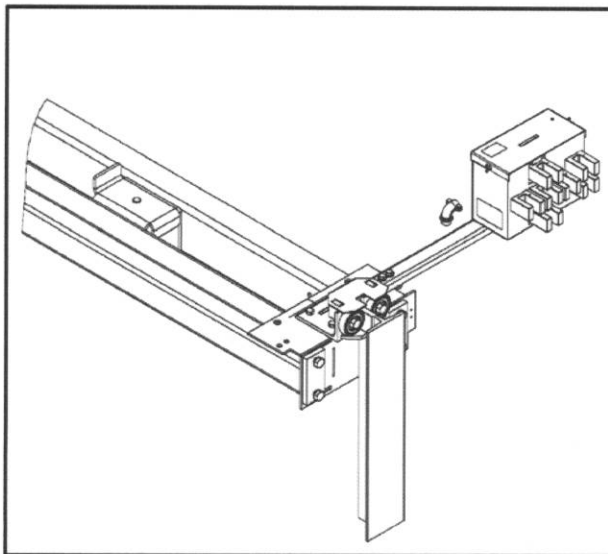
AAA7630Y Position Transducer Vanes

Spare Parts Leaflet

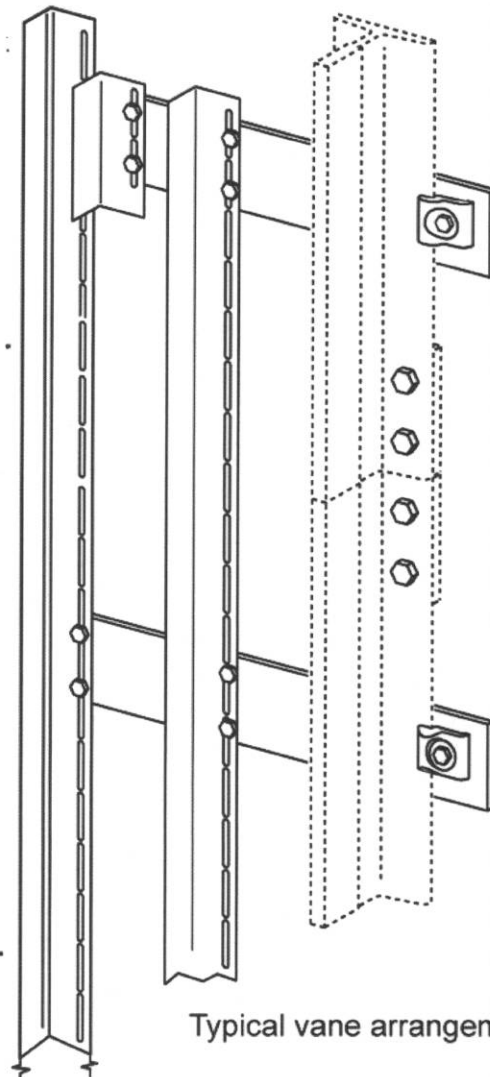
12-AAA7630Y

August 26, 2003 / Page 1 of 4

**W/O
VINTAGE**



See SPL 12-AAA7630Z for position transducer.
Typical arrangement (Gen2 Limited Duty) shown.



Typical vane arrangement.

Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for AAA7630Y position transducer vanes used for the following position transducer device applications: ABA7630AA, AAA22439U, ABA7630Z and AAA22439V.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
August 26, 2003	Val Sheynkman	New SPL

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA7630Y	Assembly and Arrangement Hoistway Vanes		

Related Documents

Document ID	Title
SPL 12-AAA7630Z	Position Transducer Device

Subject Matter Expert

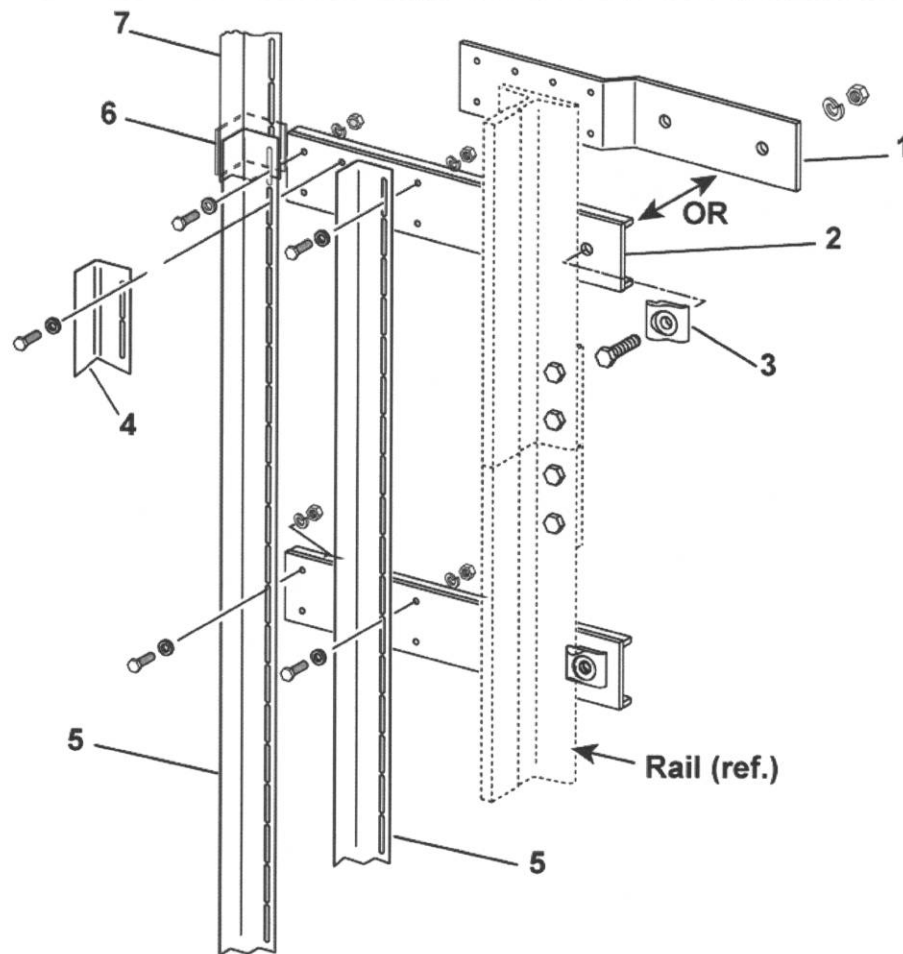
Name	Department
Val Sheynkman	OSC Service Engineering

About Spare Parts Leaflets...

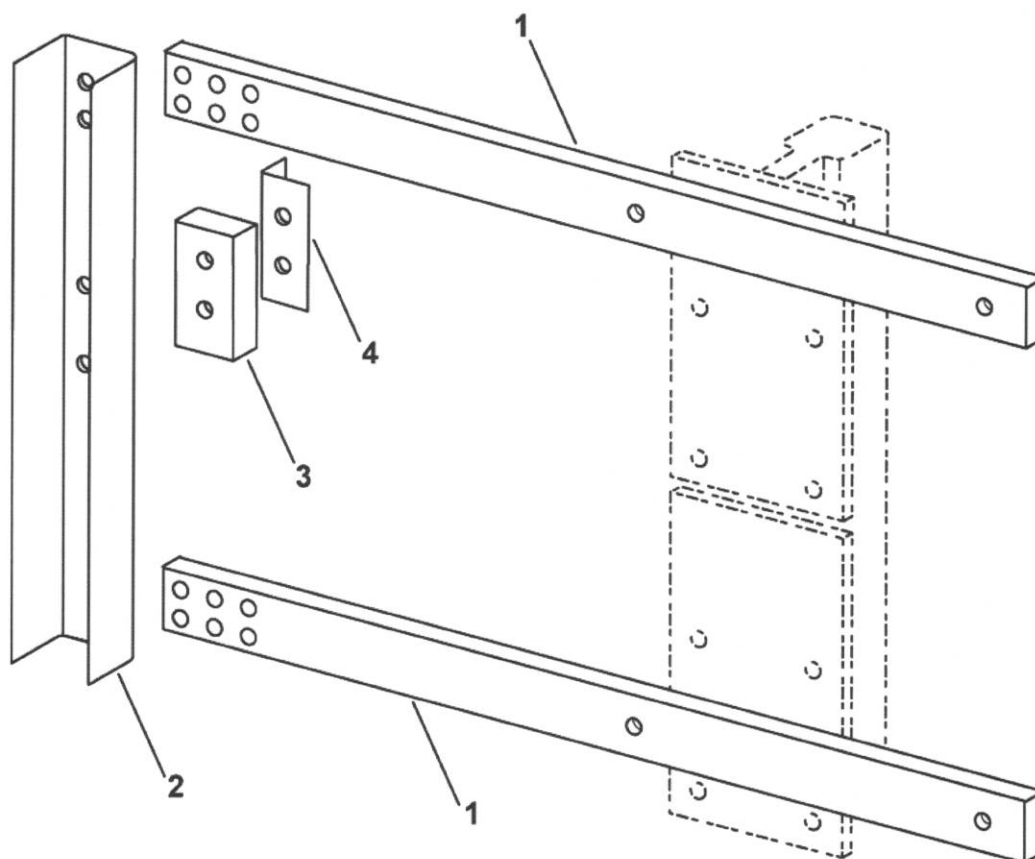
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.



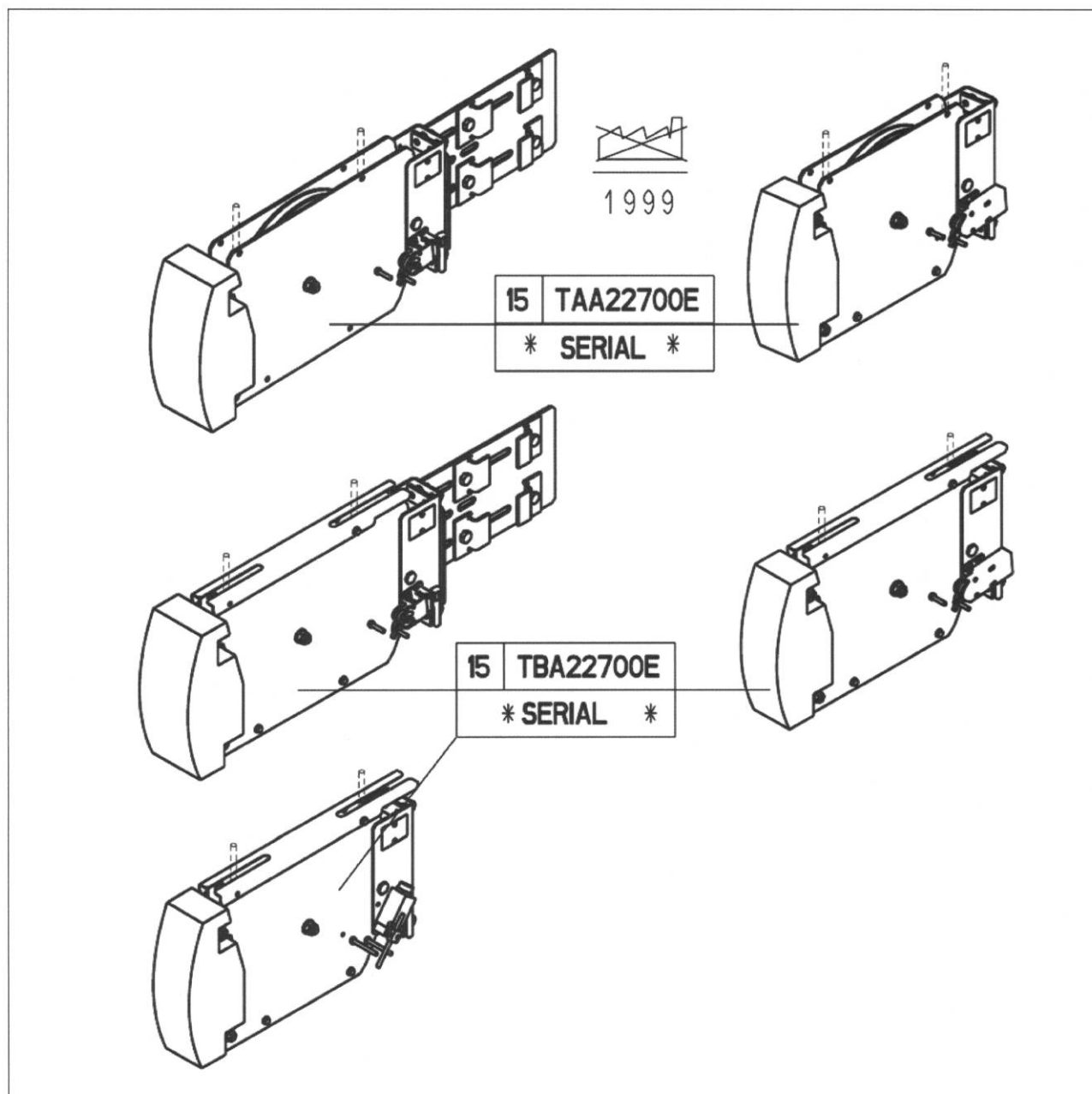
	W/O VINTAGE	
REF. No.	PART No.	DESCRIPTION
1	316EAM6	Bracket (3/4 Rail)
2	316EAM7	Bracket (1 or 1-1/2 Rail, 9C-11C)
	316EAM9	Bracket (1 or 1-1/2 Rail)
	316EAM10	Bracket (1 or 1-1/2 Rail, Gen2 R2)
3	339GM1	Clip, Rail (1-1/2 Rail)
	339D1	Clip, Rail (1 or 3/4 Rail)
4	YYJO327DY4	Vane, Door zone, L = 150mm, 2-Slots
5	YYJO327DY5	Vane, Normal Terminal Stopping (NTS), L = 3500mm, 58-Slots
	YYJO327DY9	Vane, Normal Terminal Stopping (NTS), L = 2350mm, 39-Slots
	YYJO327DY6	Vane, Emergency Terminal Stopping (ETS), L = 2670mm, 44-Slots
	YYJO327DY10	Vane, Emergency Terminal Stopping (ETS), L = 1710mm, 28-Slots
6	YYJO327DY7	Vane, Splice, L = 150mm
7	YYJO327DY8	Vane, Extension (NTS and ETS), L = 1230mm, 20-Slots



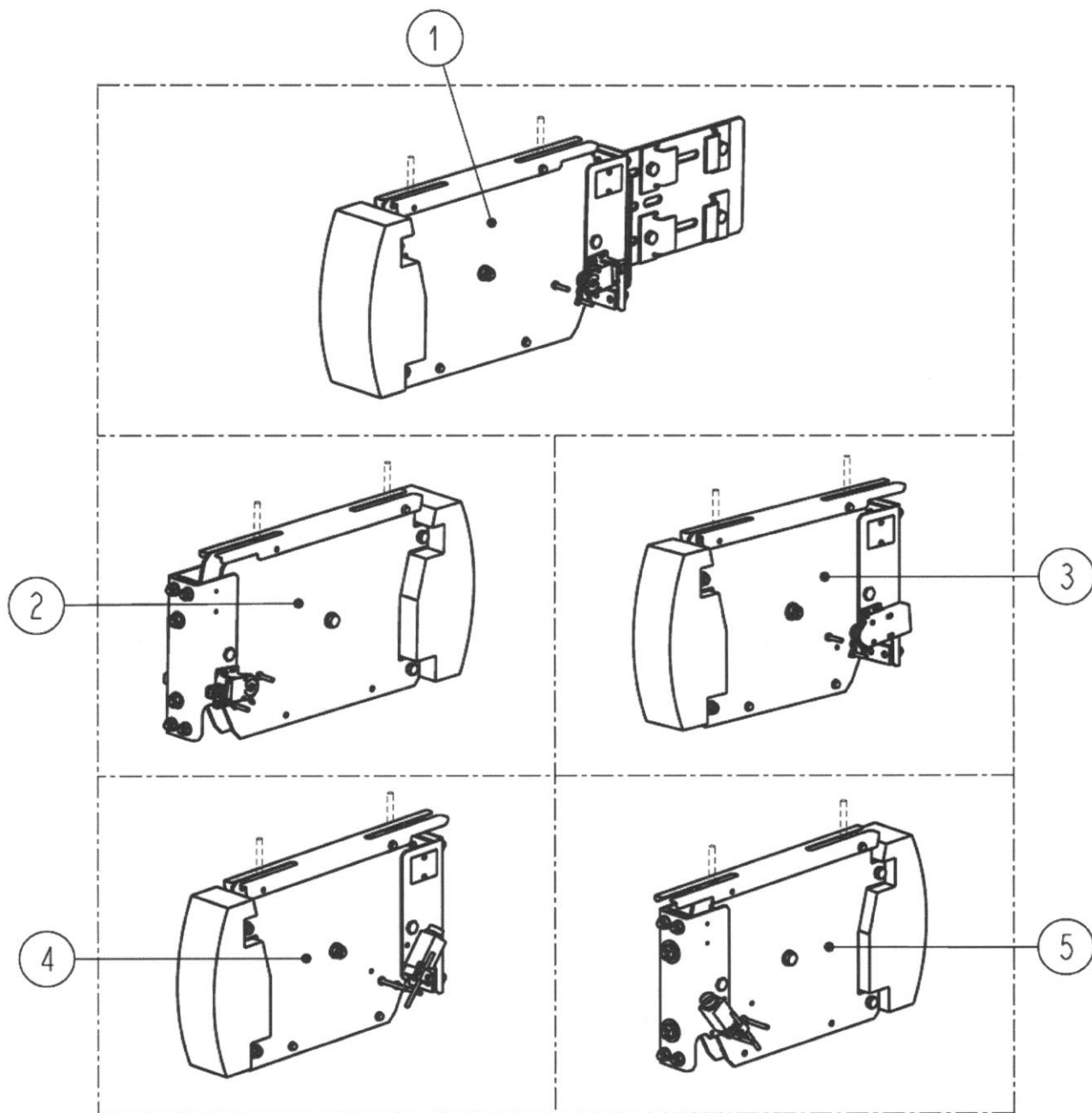
W/O VINTAGE		
REF. No.	PART No.	DESCRIPTION
1	---	Bracket, See Page 3
2	347XK1	Channel, Adapter
3	386BXV1	Plate, Spacer
4	---	Vane, See Page 3

TENSION DEVICE
TENSALIMITADOR

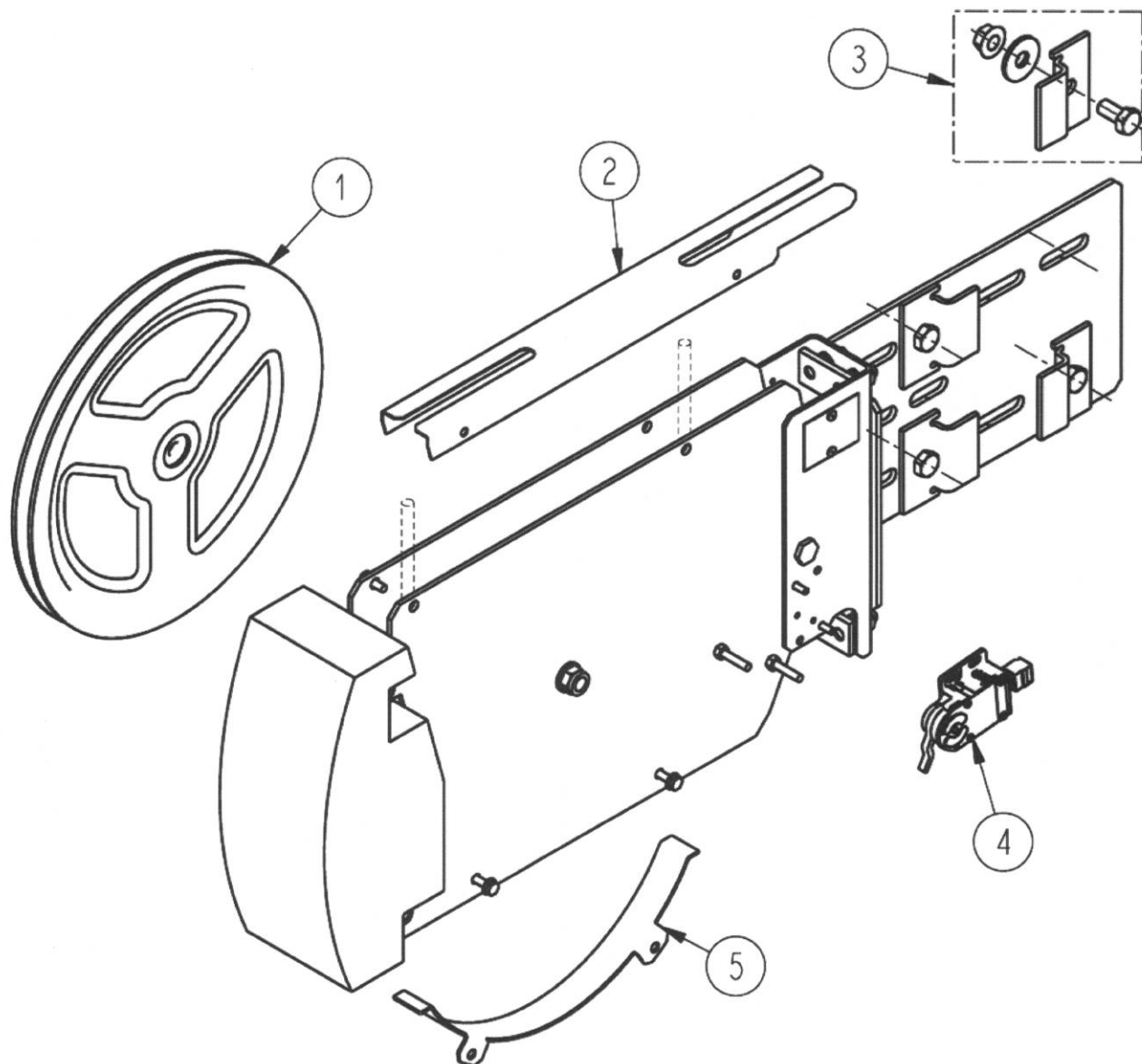
*15| T...A22700E



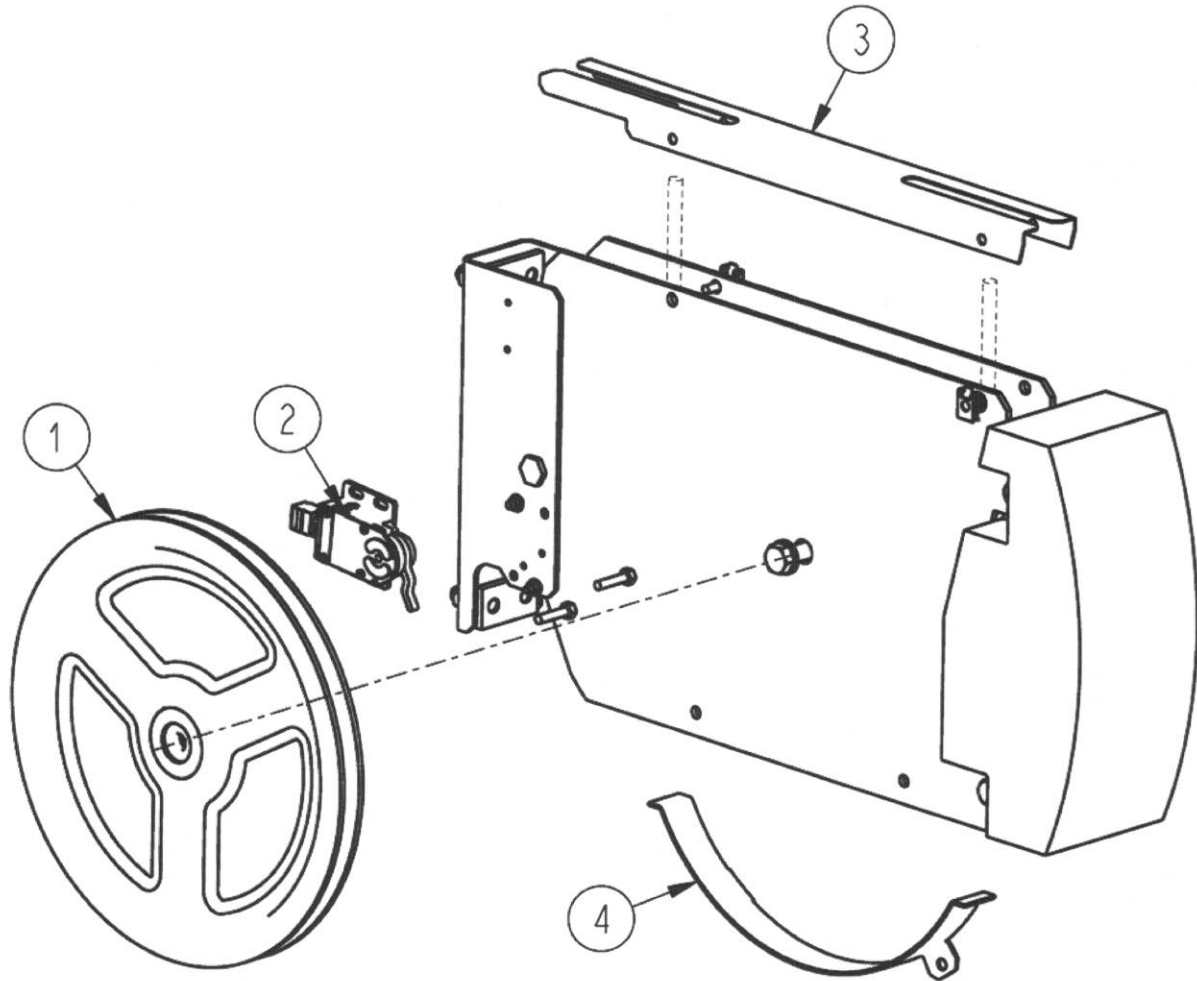
OTIS



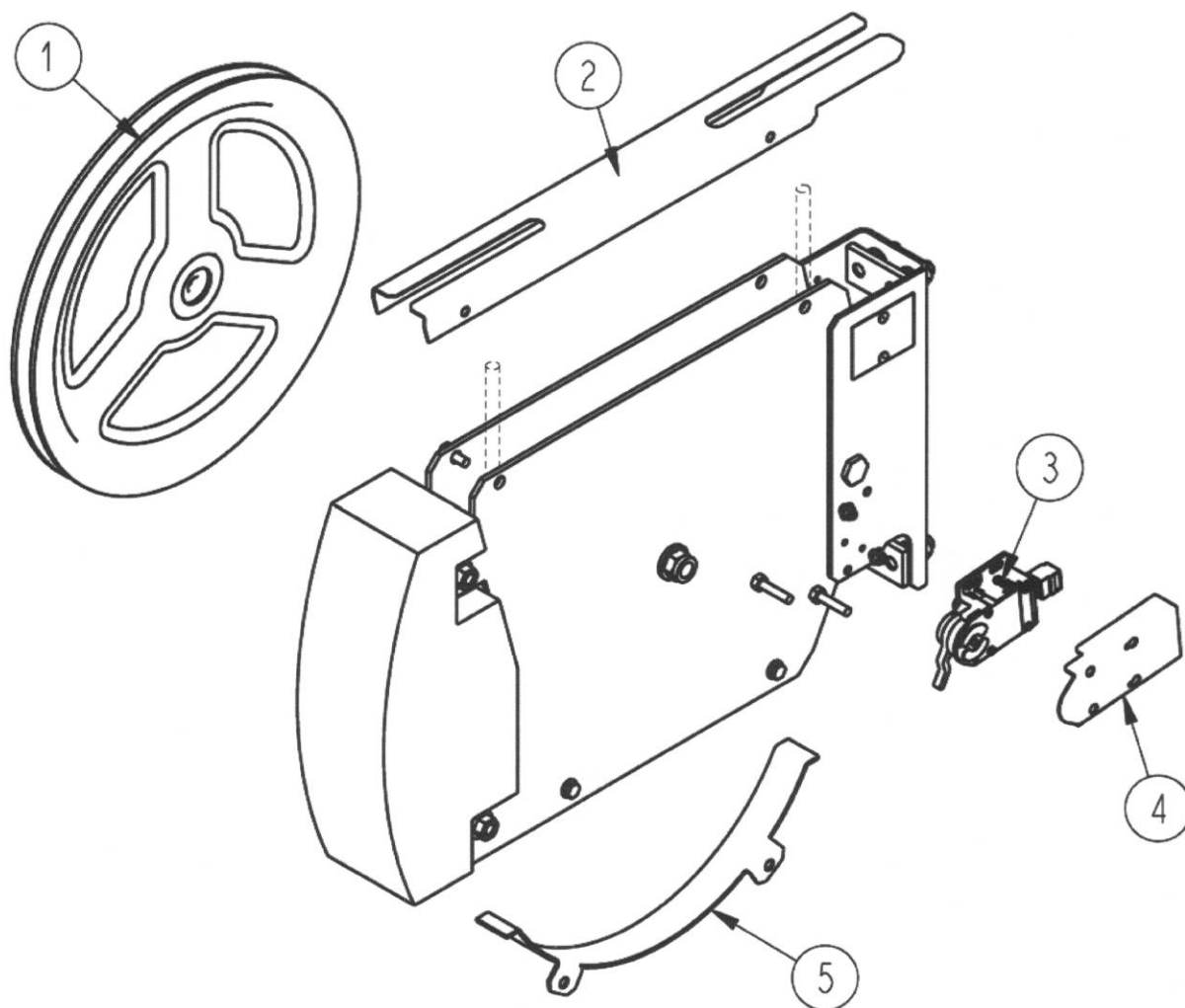
TBA22700E			
REF N°	PART or M.L.	PART or M.L.	DESCRIPTION
1	TBA22700E1	TAA22100E2	TENSION DEVICE TENSALIMITADOR
2	TBA22700E2	TAA22100E2	
3	TBA22700E12	TAA22700E12	
4	TBA22700E15	-----	
5	TBA22700E16	-----	



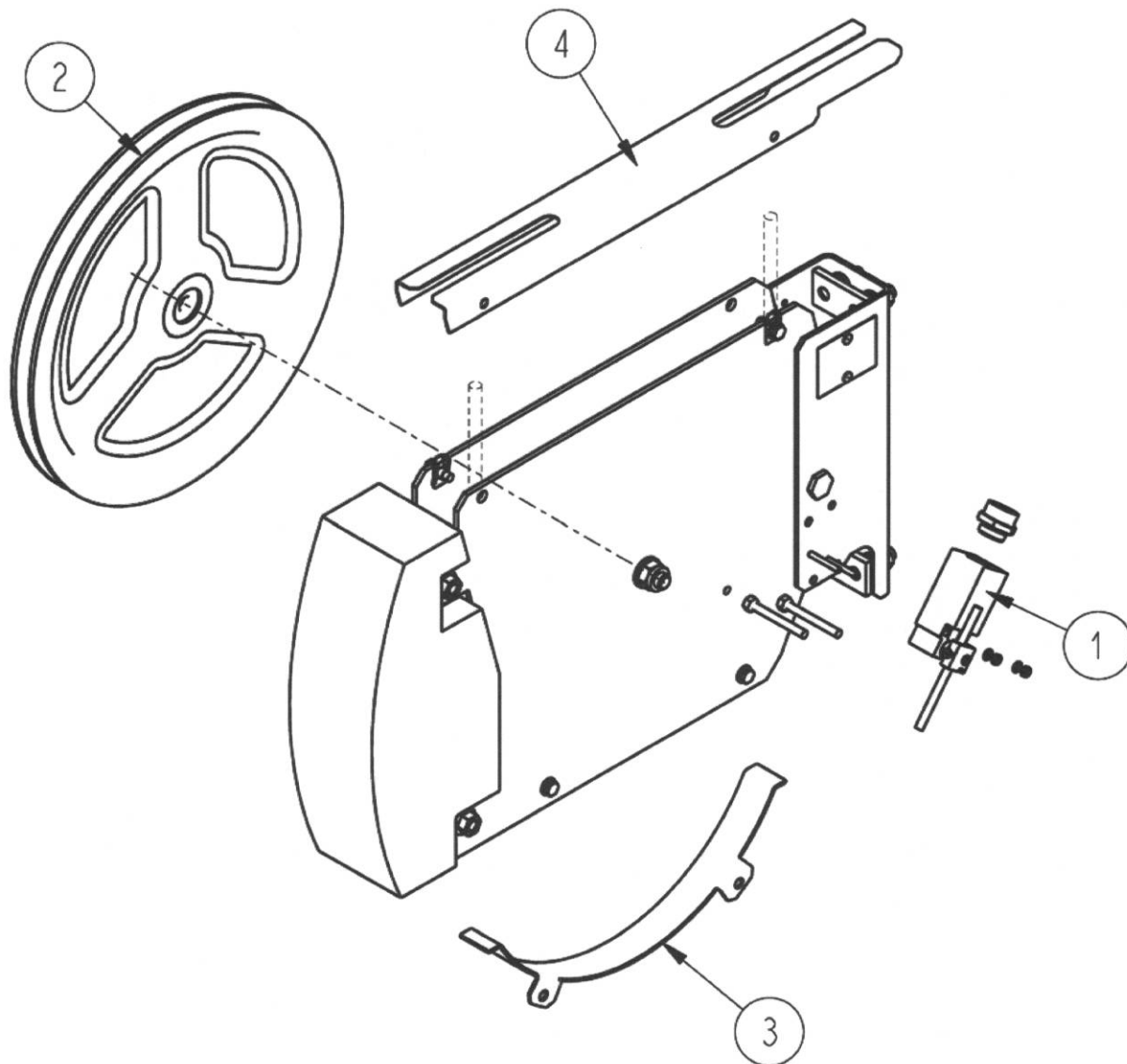
TBA22700E			
REF N°	PART or M.L.	PART or M.L.	DESCRIPTION
1	TAA267B2	TBA22700E1	ASSEMBLY SHEAVE POLEA EQUIPADA
2	TAA384EW1		COVER TAPA
3	TAA5500AX2		FIXTURES FOR RAIL T1-T90/16-T2 FIJACIONES PARA RAIL
4	TAA177AH1		SWITCH ASSEMBLY INTERRUPTOR EQUIPADO
5	TAA384DA1		ROPE GUARD GUARDACABLE



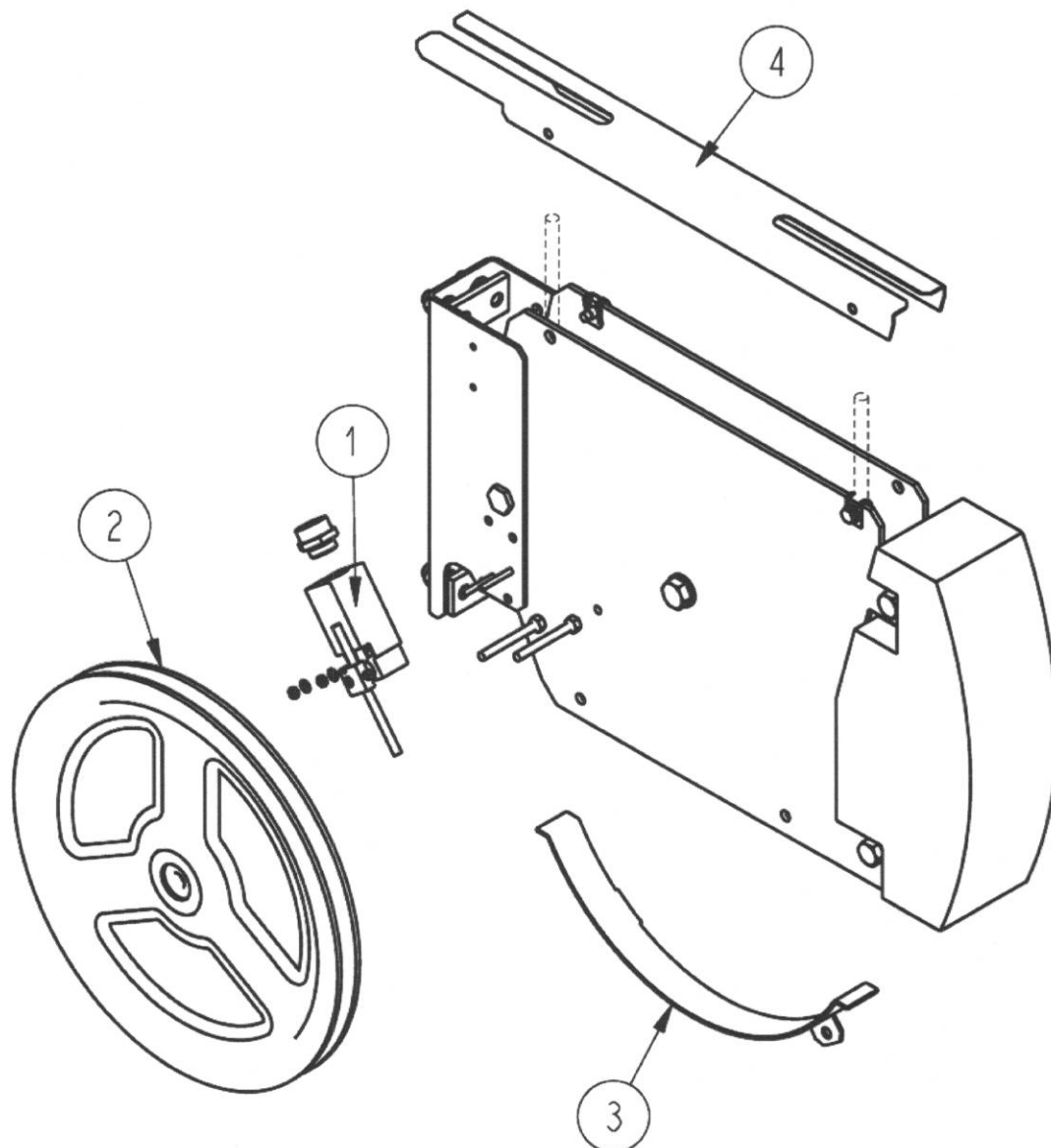
TBA22700E			
REF N°	PART or M.L.	PART or M.L.	DESCRIPTION
1	TAA267B2	TBA22700E2	ASSEMBLY SHEAVE POLEA EQUIPADA
4	TAA177AH2		SWITCH ASSEMBLY INTERRUPTOR EQUIPADO
2	TAA384EW1		COVER TAPA
5	TAA384DA1		ROPE GUARD GUARDACABLE



TBA22700E		PART or M.L.	DESCRIPTION
REF N°	PART or M.L.		
1	TAA267B2	TBA22700E12	ASSEMBLY SHEAVE POLEA EQUIPADA
2	TAA384EW1		COVER TAPA
3	TAA177AH1		INTERRUPTOR EQUIPADO COVER
2	TAA346GC1		COVER TAPA
5	TAA384DA1		ROPE GUARD GUARDACABLE



TBA22700E		TBA22700E15	DESCRIPTION
REF N°	PART or M.L.		
1	TAA177CB1		SWITCH INTERRUPTOR
2	TAA267B2		ASSEMBLY SHEAVE POLEA EQUIPADA
3	TAA384DA1		ROPE GUARD GUARDACABLES
4	TAA384EW1		COVER TAPA



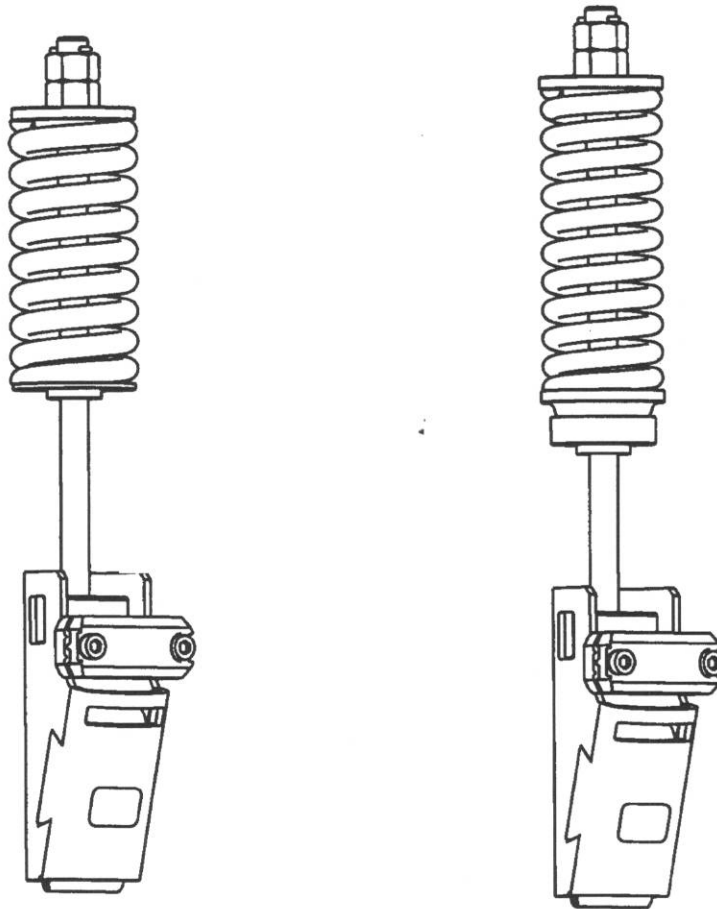
TBA22700E		TBA22700E16	DESCRIPTION
REF N°	PART or M.L.		
1	TAA177CB2		SWITCH INTERRUPTOR
2	TAA267B2		ASSEMBLY SHEAVE POLEA EQUIPADA
3	TAA384DA1		ROPE GUARD GUARDACABLES
4	TAA384EW1		COVER TAPA

Termination for GeN2 Model (64 kN)

Spare Parts Leaflet

11-TAA20650H

April 2003 / Page 1 of 4



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides spare parts information for TAA20650H terminations. These terminations have been specially designed for the 64 kN coated steel belts (CSB) with 60 mm width and 3 mm thickness.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
April 2003	D. Gil	New Leaflet

Related Drawings

Drawing No.	Title	Drawing No.	Title
TAA20650H	Terminations		

Related Documents

Document ID	Title

Subject Matter Expert

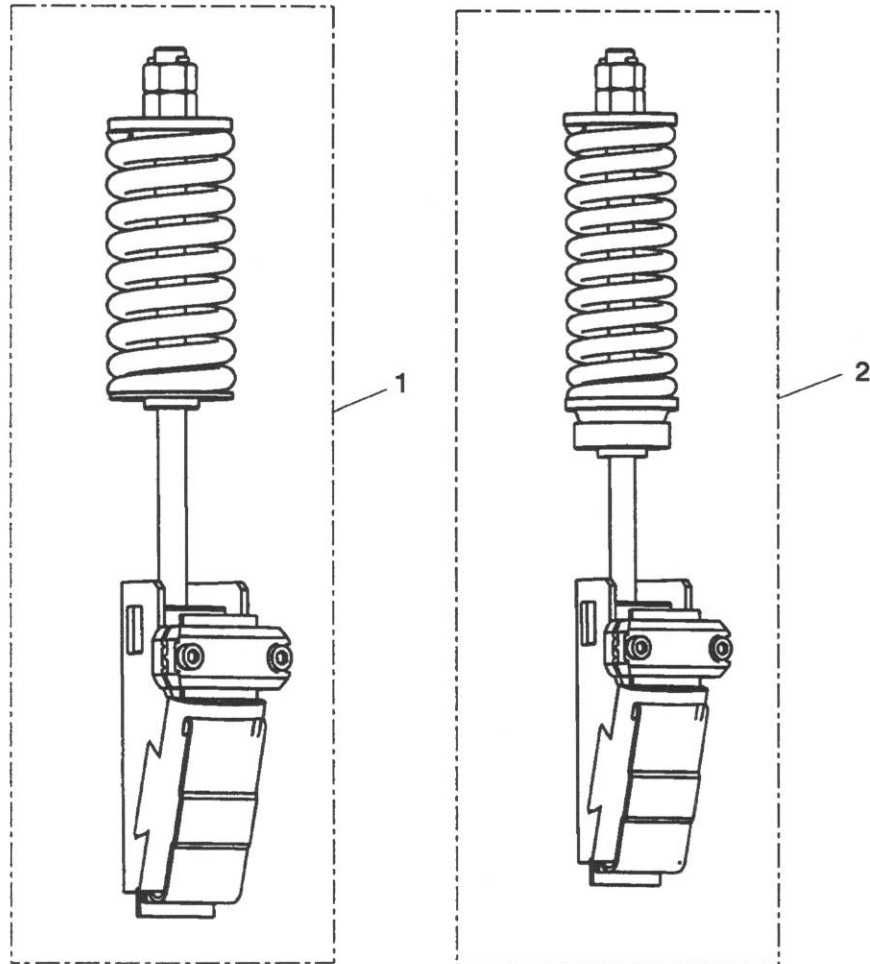
Name	Department
D. Gil	Innovation OEC—Madrid

About Spare Parts Leaflets...

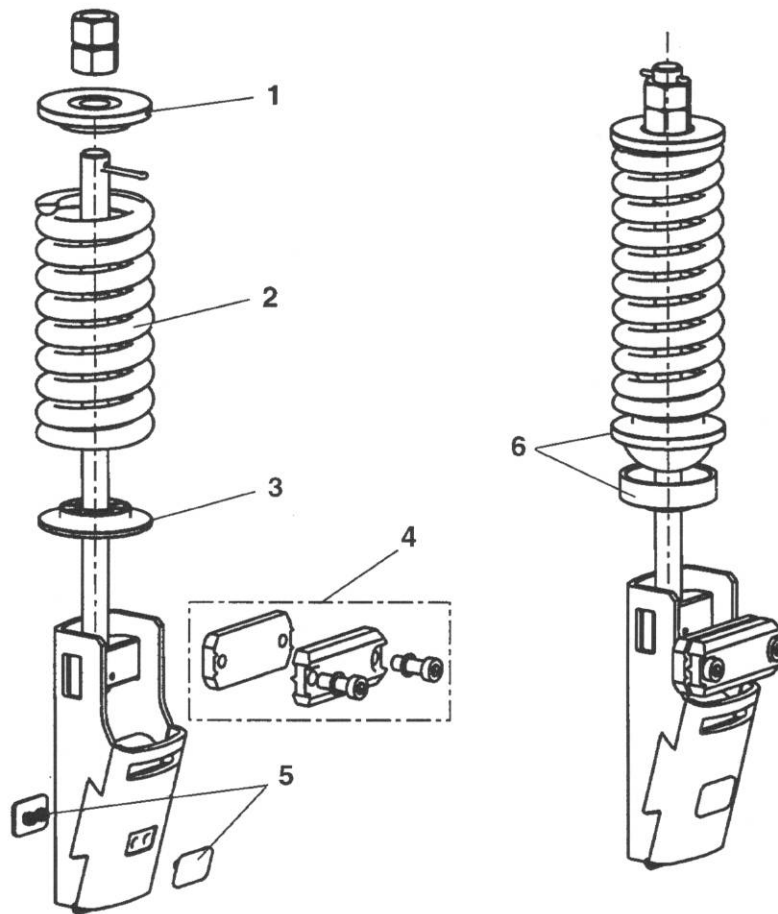
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.



REF. No.	PART No.	DESCRIPTION
1	TAA20650H1	Termination for Car Side without Ball Joint
	TAA20650H2	Termination for Cwt Side without Ball Joint
2	TAA20650H12	Termination for Cwt Side with Ball Joint



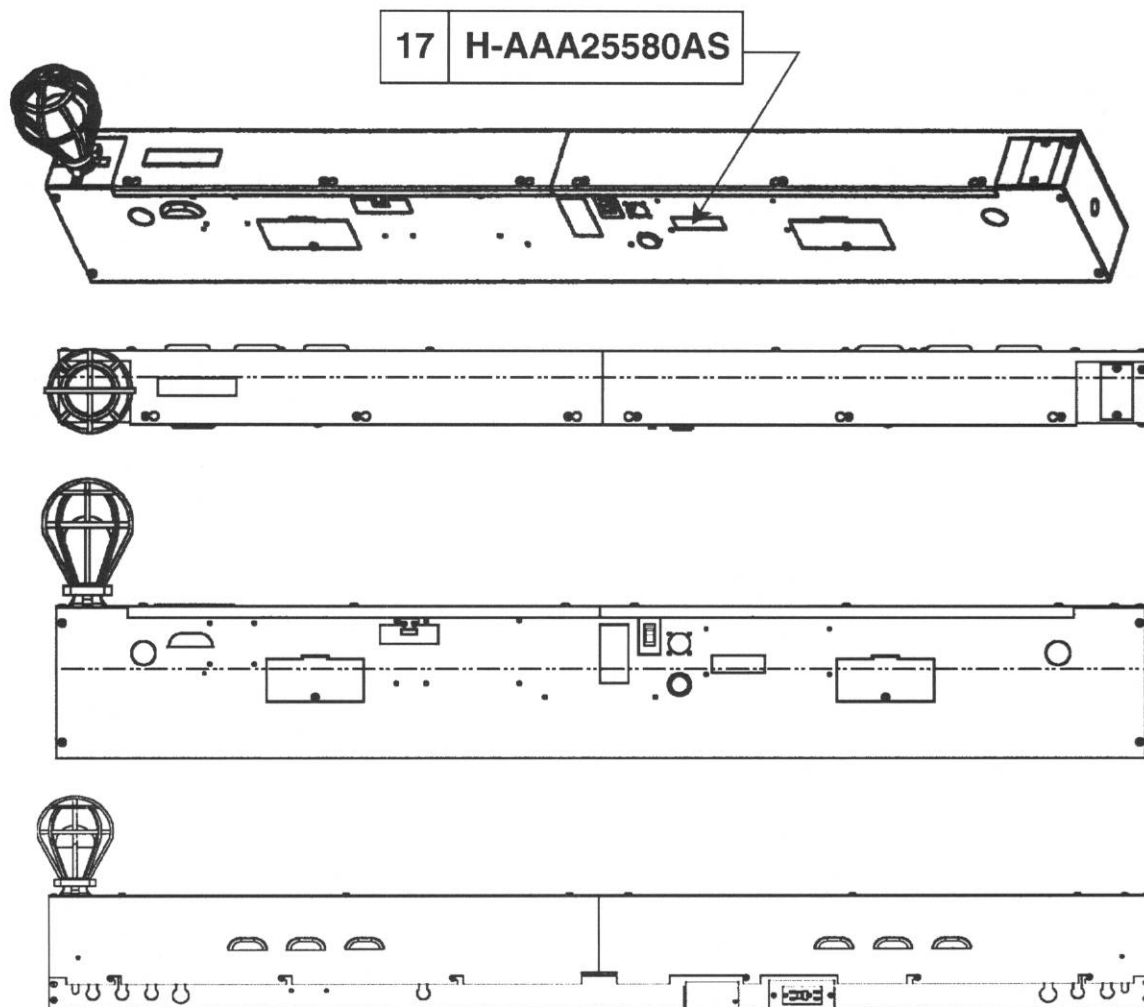
REF. No.	PART No.		DESCRIPTION
1	TAA131AN1	TAA20650H1-H2-H12	Washer
2	TAA90CK1	TAA20650H1	Spring for Car Side
	TAA90CK2	TAA20650H2-H12	Spring for Cwt Side
3	TAA131AP1	TAA20650H1-H2	Washer
4	TAA336T1	TAA20650H1-H2-H12	Clamp
	TAA336W1		Washer
	(2) TAA130AE1		Screw
	(2) DIN6912 M10 x 30—8.8 (C)		Plug
5	(2) TAA444R1	TAA20650H1-H2-H12	Hitch (ball joint)
6	TAA392BP1	TAA20650H12	Hitch (ball joint) Base
	TAA392BR1		

Top-of-Car Integration Box for Gen2™ Systems

Spare Parts Leaflet

17-AAA25580AS

April 5, 2003 / Page 1 of 3



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING
Otis Elevator Company
Bloomfield, Connecticut USA

Leaflet Description

The AAA25580AS top-of-car integration box was designed to fit on the Gen2™ car top and house various discrete components and printed circuit boards. This enclosure also acts as wiring trough for harnesses originating from the CIB to the various car top components such as the SOS and EEC switches, and fan.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
April 5, 2003	Brian Mierzejewski and Mike Garfinkel	New SPL
---	---	---

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA25580AS	Integrated Top of Car Box Gen 2	---	---

Related Documents

Document ID	Title
SPL 17-AAA25580A	Top-of-Car Integration Box
SPL 17-AAA25580Q	Top-of-Car Integration Box for Traction Systems
SPL 17-AAA25580S	Top-of-Car Integration Box for Hydraulic Systems

Subject Matter Expert

Name	Department
Brian Mierzejewski / Mike Garfinkel	NSAA-System Integration Team

About Spare Parts Leaflets...

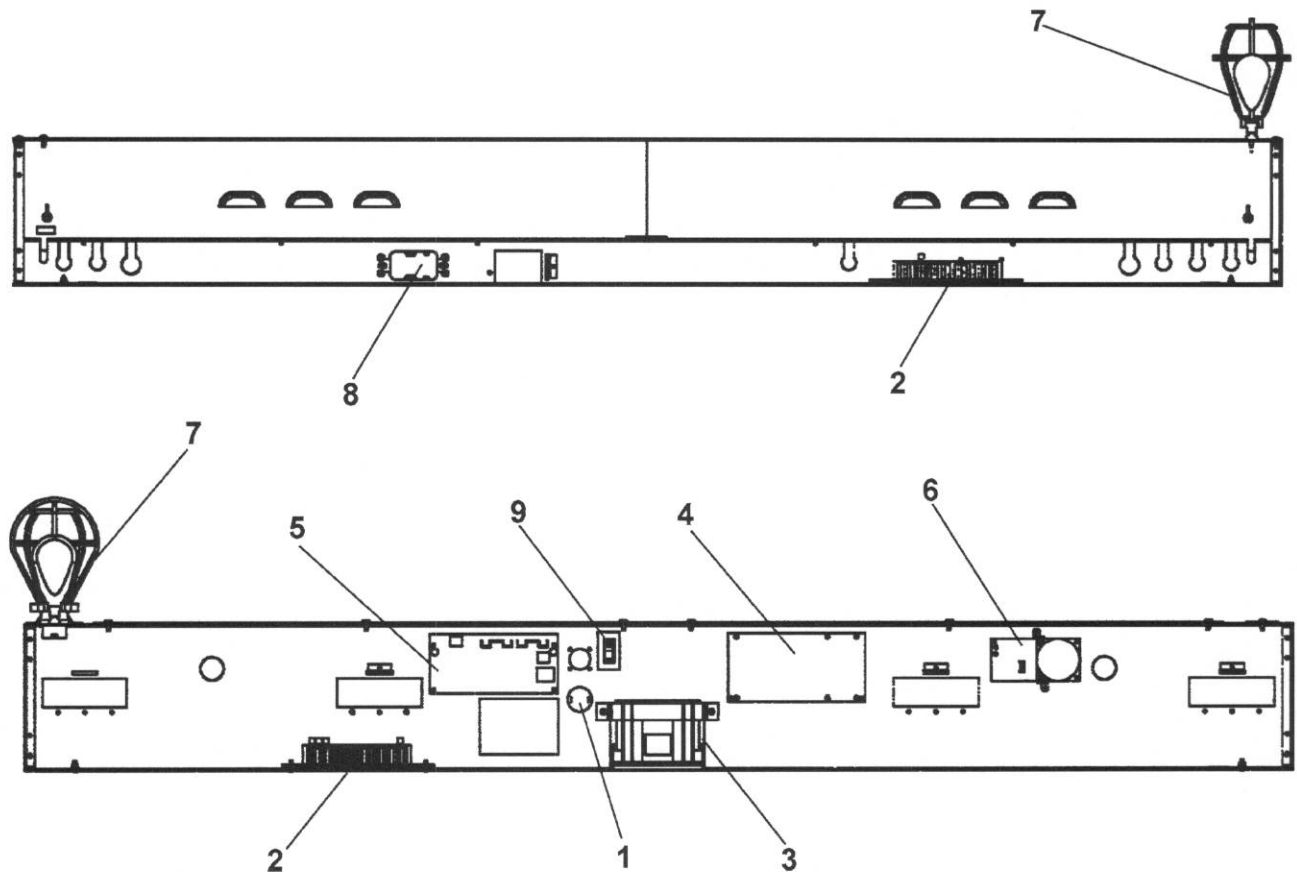
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

Top-of-Car Integration Box

17-AAA25580AS



AAA25580AS		
REF. No.	PART No.	DESCRIPTION
1	AAA731C5	Alarm, Electrical
2	AAA21303CY1	Assembly, Terminal Block
3	AAA718E10	Battery, Rechargeable
4	AAA26800TU1	Board, Emergency Lighting
5	AAA26800AGS1	Controller, 30 VDC LAMBDA® III
*	AAA375BY15	Fuse, 0.5 A, 250 V (LAMBDA® III plus emergency lighting board)
*	AAA375CF5	Fuse, 4.0A, 125 V (emergency lighting board)
6	AAA25000BG1	Gong Board (not in all units)
7	6599D14	Lamp, 125 V, 100 W
8	641A4	Receptacle, GFCI
9	177DM1	Switch

* Part not shown.

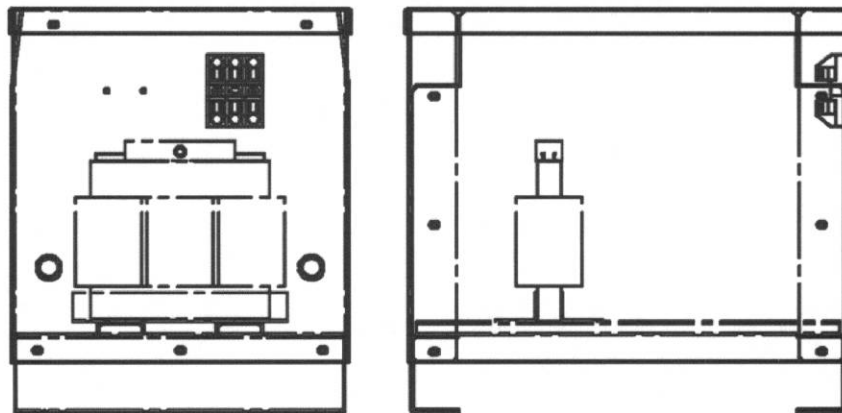
Transformer Enclosure Assembly

Spare Parts Leaflet 10-AAA21799G

August 25, 2003 / Page 1 of 3

Supersedes SPL 10-AAA21799G Dated May 20, 2003

**W/O
VINTAGE**



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

SERVICE ENGINEERING

Otis Elevator Company

Bloomfield, Connecticut USA

Leaflet Description

This leaflet provides replacement part information for the enclosure assembly that contains the power transformers that are required in variable frequency (VF) drive systems when they are not included in the main controller.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
May 20, 2003	John Dwyer	New SPL
August 25, 2003	John Dwyer	Updated Ref. 3 and 5

Related Drawings

Drawing No.	Title	Drawing No.	Title
AAA21799G	Machine Room Transformer Box		

Related Documents

Document ID	Title
10-AAA21290R	Controller GEM, E311VF, MVS, & HVS

Subject Matter Expert

Name	Department
John Dwyer	OSC Service Engineering

About Spare Parts Leaflets...

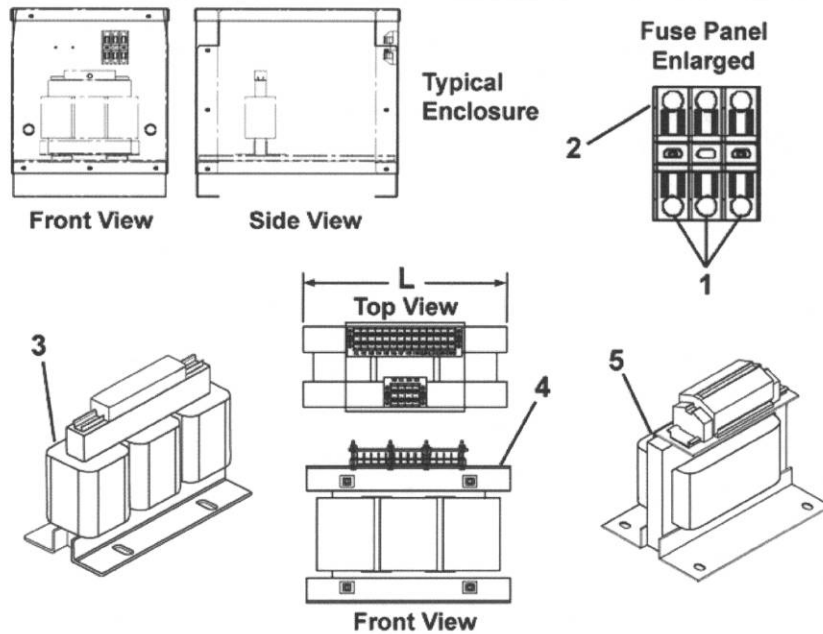
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

Transformers

10-AAA21799G



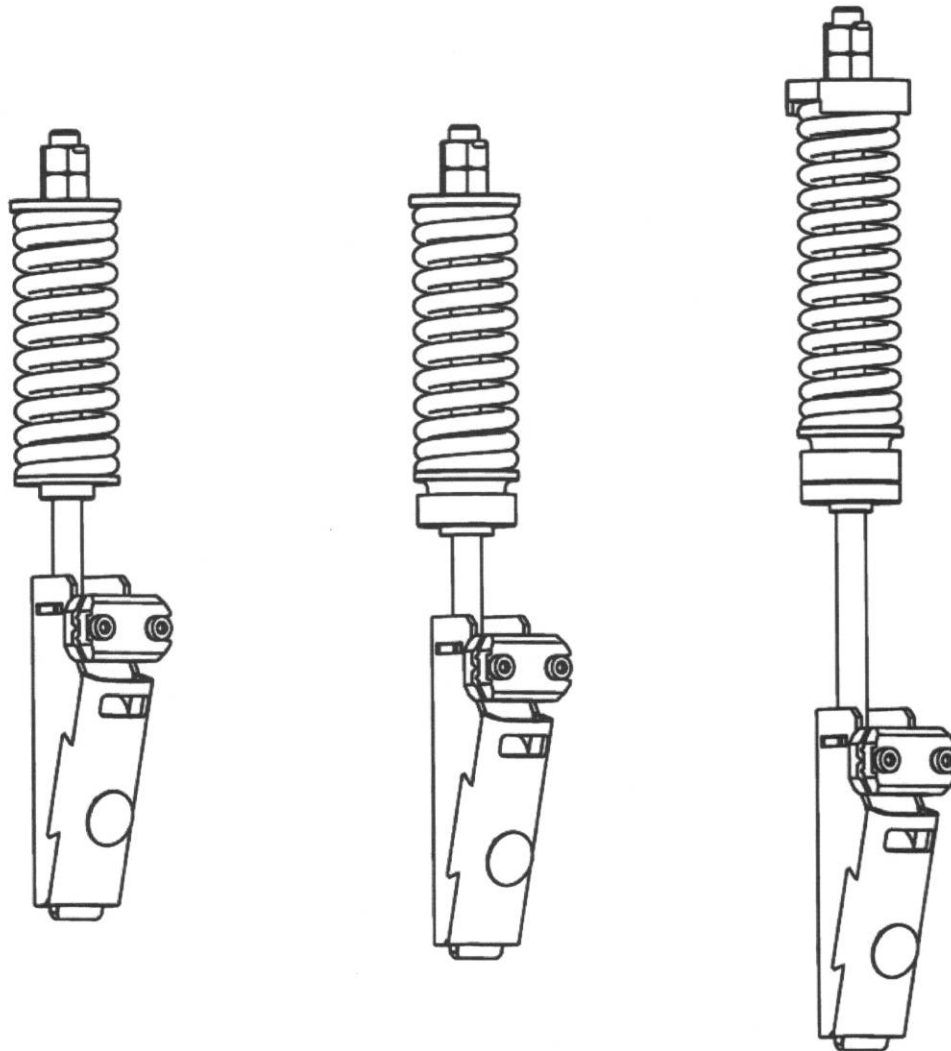
W/O VINTAGE			
REF. No.	PART No.	DESCRIPTION	
1	AAA375BK28	Fuse, 3.5 A, 600 V (with AAA225JR transformer)	F1-F6
	AAA375BN24	Fuse, 15 A, 600 V (with AAA225JN, FV, or JS transformer)	
2	AAA653D2	Holder, Fuse, 3 Pole	
3	AAA225JN1	Transformer, 3 Phase Autotransformer, 9.0 in. L, HPLIM Door Operator and 480 V Power Supply	TFD, TRD
	AAA225JN2	Transformer, 3 Phase Autotransformer, 9.0 in. L, HPLIM Door Operator and 200–240 V Power Supply	
	AAA225JN3	Transformer, 3 Phase Autotransformer, 9.0 in. L, HPLIM Door Operator and 360–415 V Power Supply	
	AAA225JN4	Transformer, 3 Phase Autotransformer, 9.0 in. L, HPLIM Door Operator and 545–605 V Power Supply	
4	AAA225FV3	Transformer, 3 Phase, 12.0 in. L, CEN Version OVF 428 Drive and 460 V Power Supply	
	AAA225FV5	Transformer, 3 Phase, 12.0 in. L, CEN Version OVF 428 Drive and 380 V Power Supply	
	AAA225FV6	Transformer, 3 Phase, 12.0 in. L, CEN Version OVF 428 Drive and 415 V Power Supply	
	AAA225JS3	Transformer, 3 Phase, 13 in. L, HPLIM Door Operator, CEN Version OVF 428 Drive and 460 V Power Supply	
	AAA225JS5	Transformer, 3 Phase, 13 in. L, HPLIM Door Operator, CEN Version OVF 428 Drive and 380 V Power Supply	
	AAA225JS6	Transformer, 3 Phase, 13 in. L, HPLIM Door Operator, CEN Version OVF 428 Drive and 415 V Power Supply	
5	AAA225JR4	Transformer, 1 Phase, 12 in. L, DO2000 Door Operator and 200–240 V Power Supply	
	AAA225JR5	Transformer, 1 Phase, 12 in. L, DO2000 Door Operator and 360–415 V Power Supply	
	AAA225JR6	Transformer, 1 Phase, 12 in. L, DO2000 Door Operator and 440–600 V Power Supply	

**Termination for
GeN2 32kN 30mm CSB**

Spare Parts Leaflet

11-TAA20650F

April, 2003 / Page 1 of 4



Unpublished Work—© Otis Elevator Co.; 2003



Otis

A United Technologies Company

Safety First!

**OTIS Engineering Center
Madrid
Otis Elevator Company**

Leaflet Description

This leaflet provides spare parts information for TAA20650F terminations. These terminations have been specially designed for the 32 KN Coated Steel Belts (CSB) with 30mm width and 3mm thickness.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
April 2003	D. Gil	Document update
		NOTE: This is a transcription of the Madrid SPL for purposes of publishing within NSAA.

Related Drawings

Drawing No.	Title	Drawing No.	Title
TAA20650F	Terminations		

Related Documents

Document ID	Title
---	---

Subject Matter Expert

Name	Department
D. Gil	Innovation OEC-Madrid

About Spare Parts Leaflets...

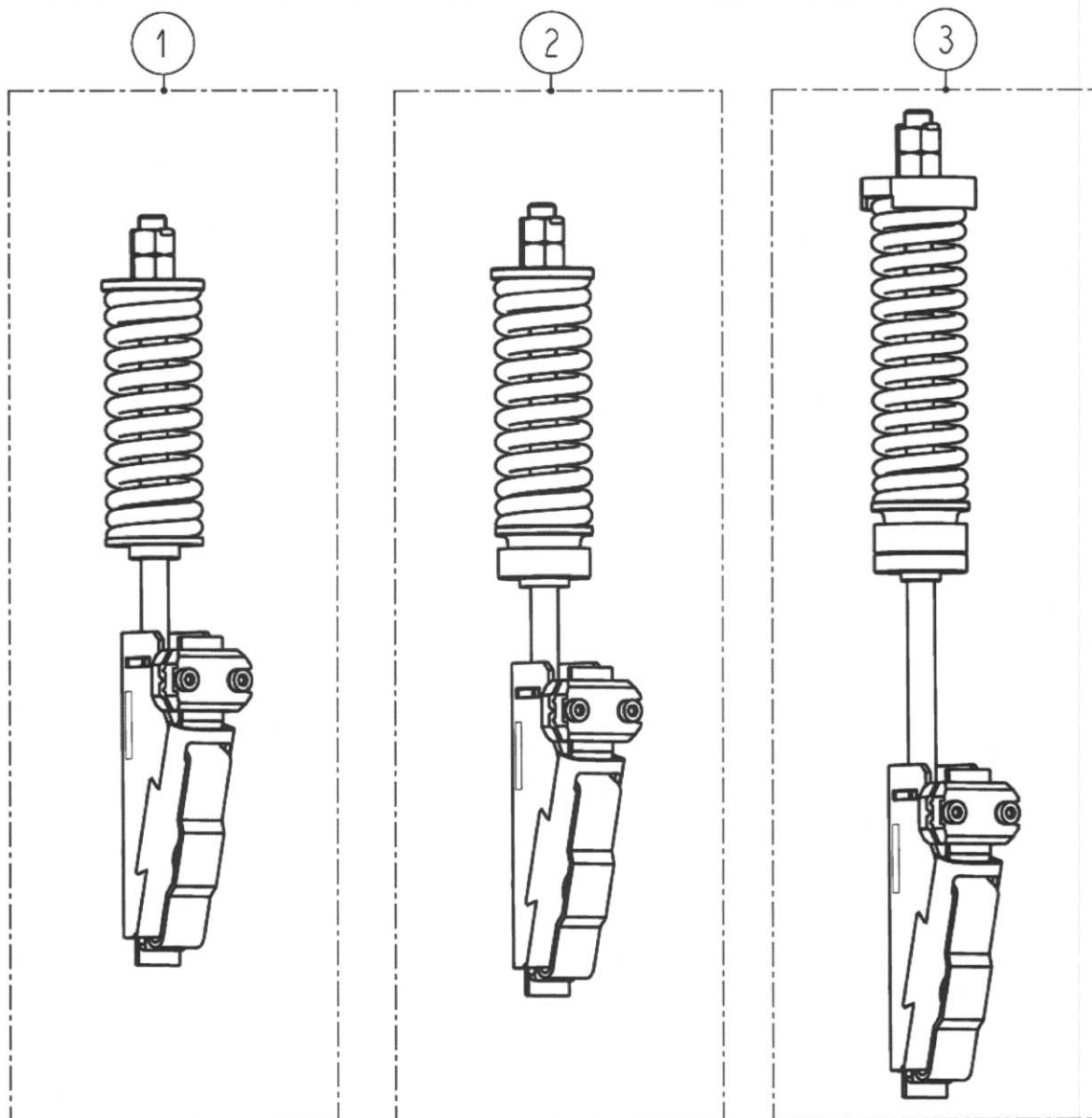
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

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.

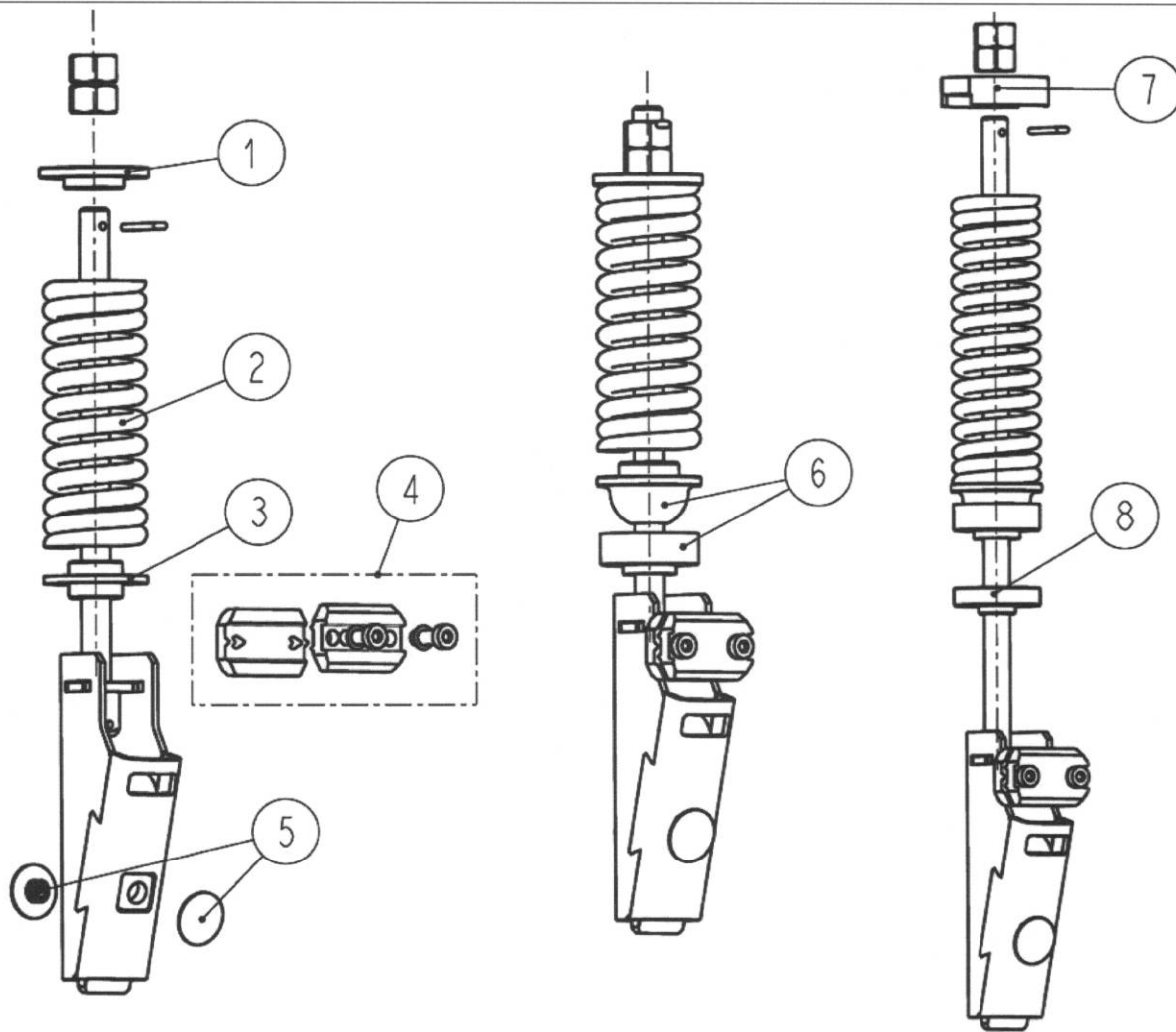
If you have any suggestions about this document, please contact the subject matter expert listed on this page.

TAA20650F Termination

11-TAA20650F



REF. No.	PART No.	DESCRIPTION
1	TAA20650F11	Termination for Car Side without Ball Joint
	TAA20650F12	Termination for Cwt. Side without Ball Joint
2	TAA20650F13	Termination for Car Side with Ball Joint
	TAA20650F14	Termination for Cwt. Side with Ball Joint
3	TAA20650F15	Termination for Cwt. Side Units with Ball Joint for Gen2R1 Retrofit Units



REF No.	PART or M.L.		DESCRIPTION
1	TAA131AK1	TAA20650F11-1 4	Washer
2	TAA90CG1	TAA20650F11 & 13	Spring for Car Side
	TAA90CG2	TAA20650F12, 14, & 15	Spring for Cwt Side
3	TAA131AJ1	TAA20650F11 & 1 2	Washer
4	TAA336J1	TAA20650F11-15	Clamp
	TAA336P1		Washer
	TAA130AT1		Screw
	DIN6912M8x25-8.8		
5	TAA444P1	TAA20650F11-15	Plug
6	TAA392BJ1	TAA20650F13, 14, & 15	Hitch (ball joint)
	TAA392BK1		Hitch (ball joint) Base
7	FAA321J9	TAA20650F15	Bushing
8	TAA131AL1	TAA20650F15	Washer