MRQ Controller

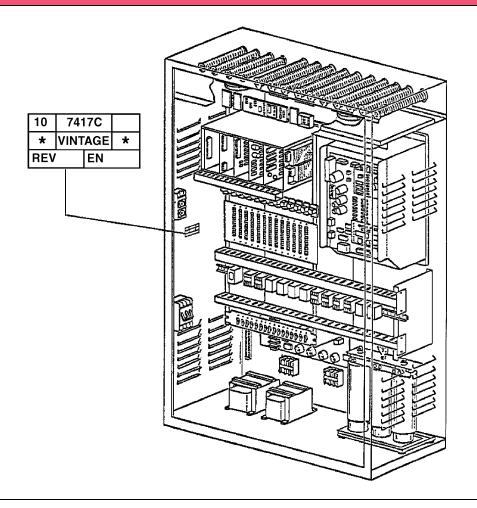
Spare Parts Leaflet

10-7417C

September 21, 2022 / Page 1 of 20

OBSOLESCENCE NOTICE

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





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

SERVICE ENGINEERING
Otis Elevator Company
Bloomfield, Connecticut USA

Unpublished Work—© Otis Elevator Co.; 2022

History

Leaflet Description

This spare parts leaflet provides detailed information about the MRQ controller and related parts and panels.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision			
June 1988		New Leaflet			
September 1989		Updated parts			
October 1, 1999	Val Minnes	Updated parts list on p. 6			
November 9, 2005	Anh Pham	Updated the template; Updated a p/n on p. 6, ref. 1			
August 30, 2006	John Dwyer	Updated the parts list on p. 8			
April 15, 2008	Anh Pham	Updated parts on pp. 6, 8, 9, 10, 12, 13, 14, 15, 16, 19, 20.			
October 30, 2008	Anh Pham	Corrected Ref. 1 description on page 6.			
January 23, 2009	Anh Pham	Corrected part numbers on pp. 6 and 15			
January 30, 2013	Anh Pham	Made corrections to description of AAA613DL22 on p. 14.			
August 28, 2013	Ali Bozorgzadeh	Made corrections on p. 8			
December 1, 2021	Ali Bozorgzadeh	Corrected p/n in Ref. 5 on p. 7; Added a note on p. 7			
September 21, 2022	Juan Murillo	Updated to include OBSOLESCENCE note on cover			

Related Documents

Document ID	Title	

Subject Matter Expert

Name	Department	
Anh Pham	OSC Service Engineering	

About Spare Parts Leaflets...

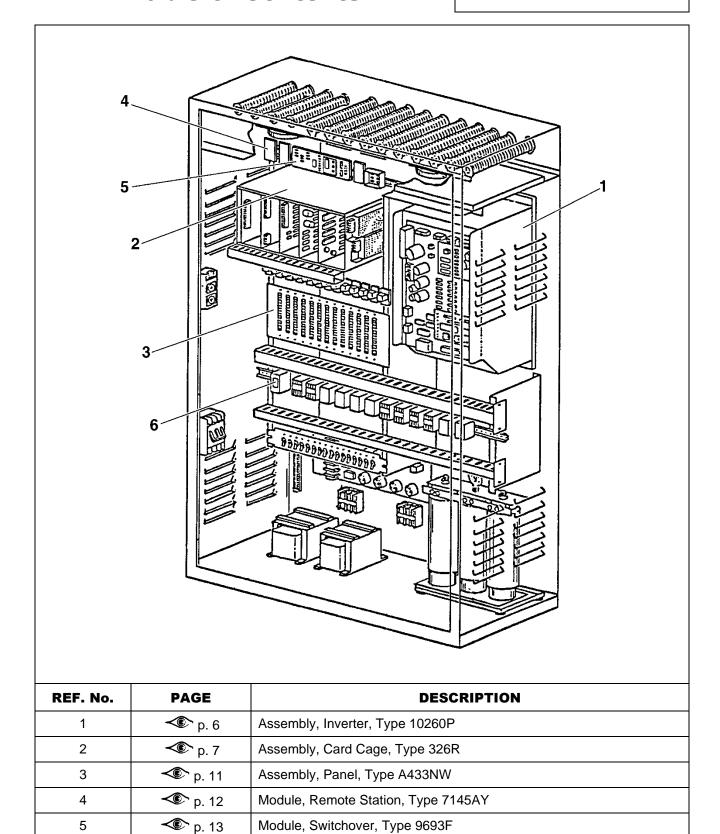
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

While goal of this document is to make parts identification as easy as possible, the document cannot be 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

10-7417C



Module, Switchover, Type 9693F

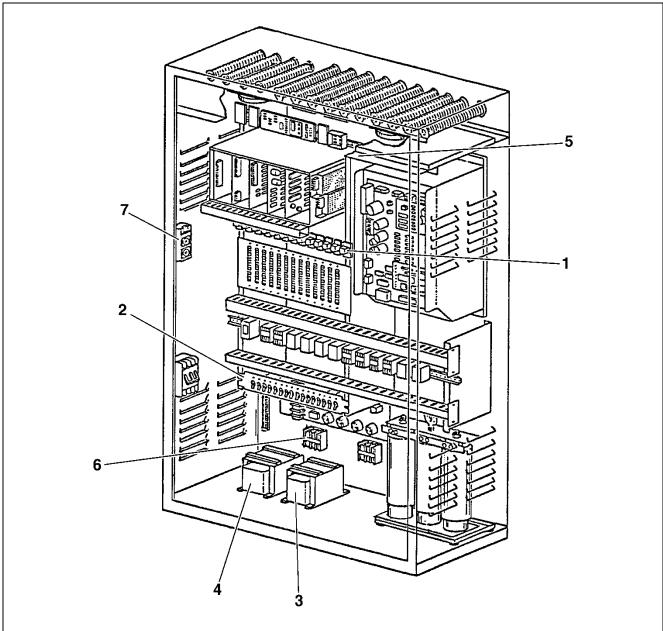
Relay, Type 613BX

(Continued on next page)

◆ p. 14

5 6

Table of Contents

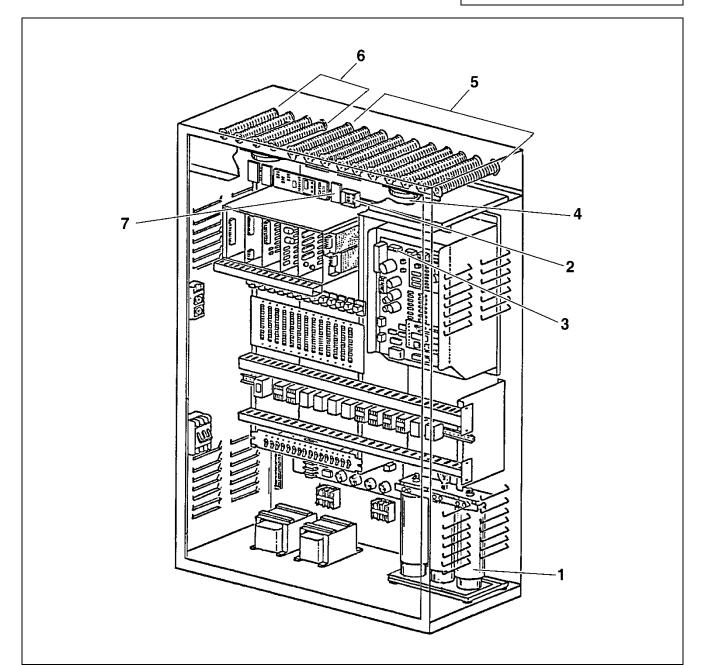


REF. No.	PAGE	DESCRIPTION
1	© p. 15	Relay, Type P613AY
2	© p. 16	Breaker, Circuit, Type 375B
3	◆ p. 17	Transformer, Type 235EB
4	● p. 17	Transformer, Type A235EA
5	◆ p. 18	Block, Fuse, Type P180CC
6	© p. 18	Block, Terminal, Type P303BP
7	© p. 18	Box, Switch, Inspection, Type 7003BF

(Continued on next page)

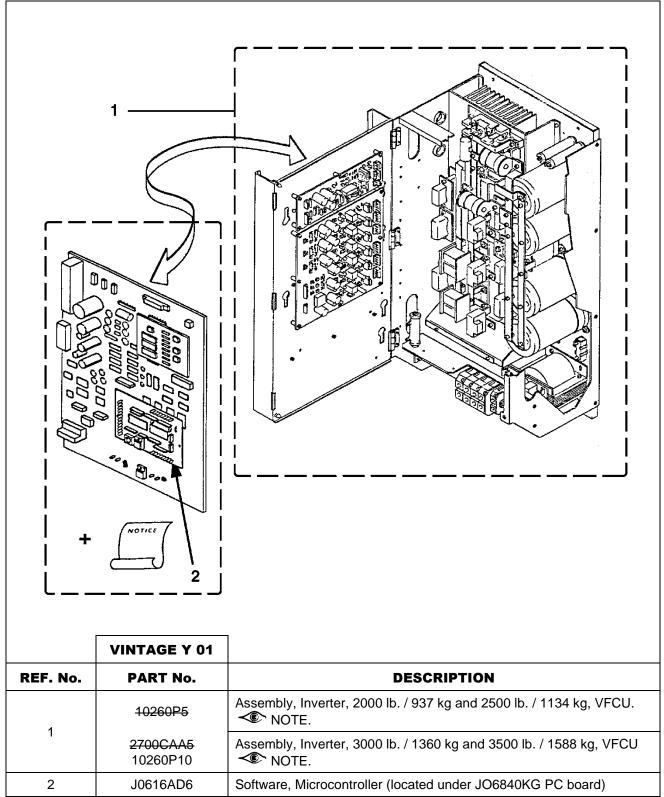
Page 4	September 21, 2022
--------	---------------------------

Table of Contents

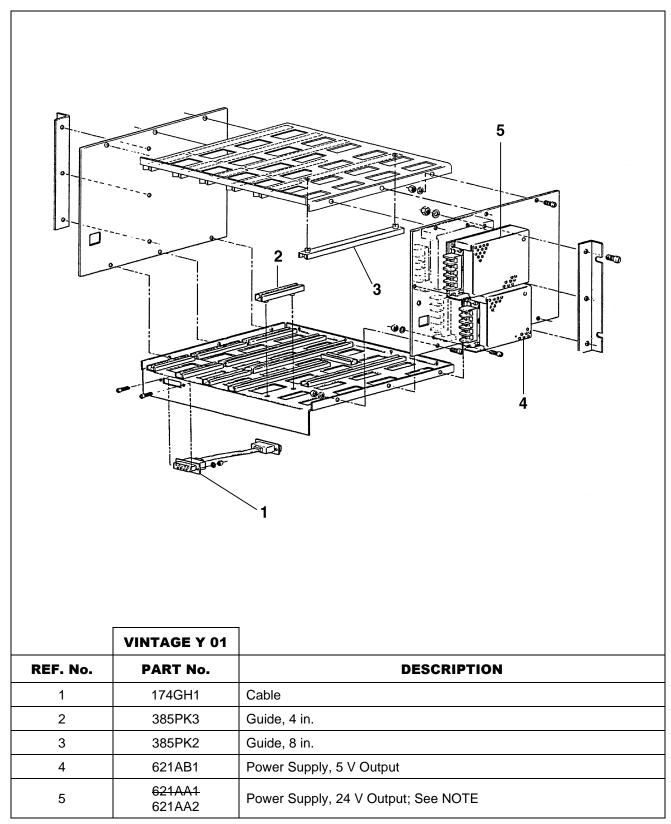


REF. No.	PAGE	DESCRIPTION
1	◆ p. 18	Choke
2	◆ p. 18	Clock, Type 623T
3	◆ p. 18	Fuse, Type AAA375BG
4	◆ p. 18	Kit, Fan & Guard
5	◆ p. 19	Resistor, Type 232AA
6	◆ p. 19	Resistor, Type AAA617K
7	p . 20	Seismic Reset Switch

Inverter Assembly

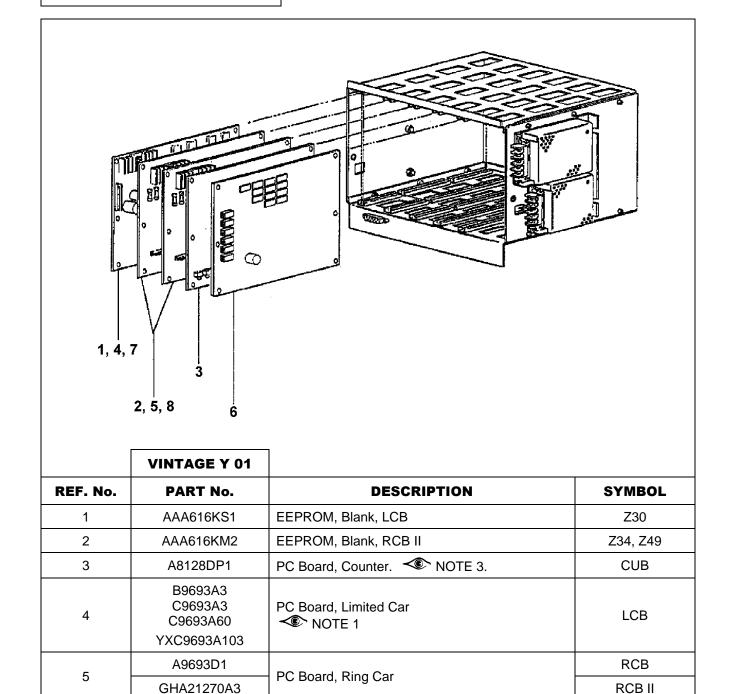


NOTE: Meidensha Drive and all its related PCBs and power components are obsolete and only supported through the OSC repair program as long as board-level repair parts remain available. See TIP 32.2-1.



NOTE: If replacing 621AA1 for the first time, also order adapter kit p/n AAA27076FM3.

7417C PC Boards



NOTE 1: All of these boards are interchangeable.

B8128DR1

AAA3000BAE AAA30002BAB

AAA30116AAA

6 7

8

NOTE 2: Contact Customer Service for the latest version of software.

NOTE 3: A8128DP1 and B8128DR1 have limited availability and are only supported through the OSC Repair and Return program. Refer to TIP 32-2-1.

Software, Baseline, LCB

PC Board, SC I/O. NOTE 3.

Software, Baseline, NOTE 2.

Page 8	September 21, 2022
	•

RCB I

RCB II

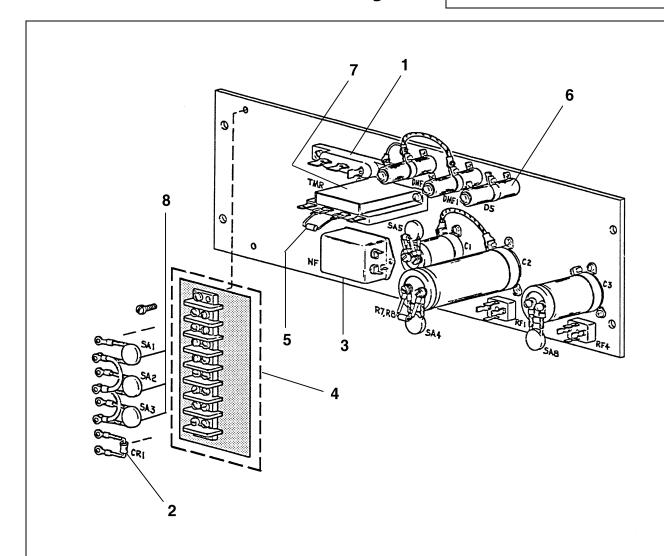
SC

Z29

Z10

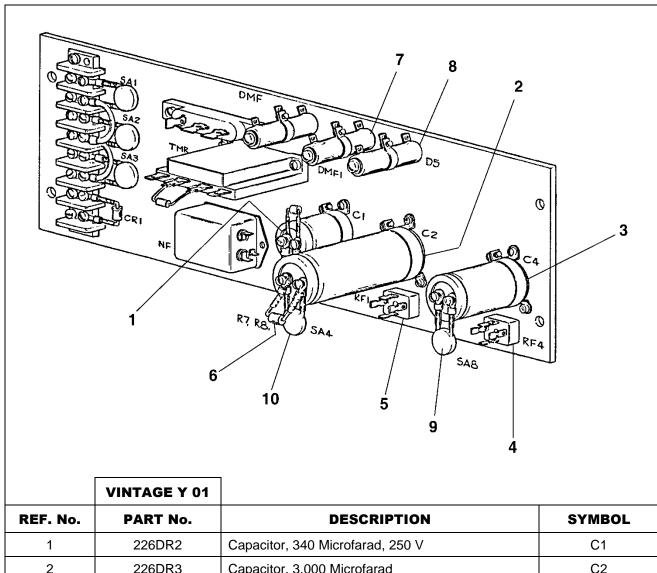
Z37, Z53

433NX Panel Assembly



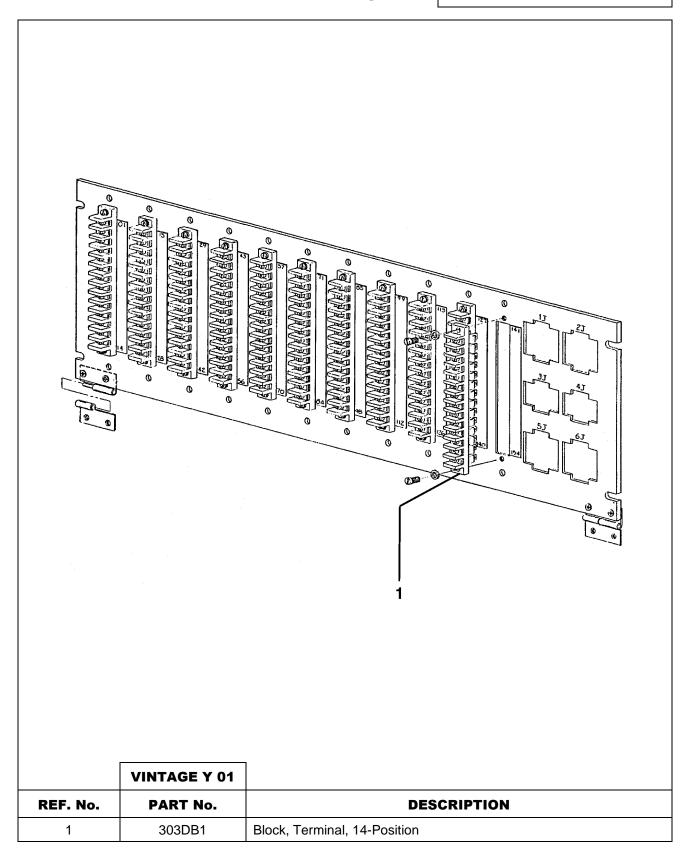
	VINTAGE Y 01		
REF. No.	PART No.	DESCRIPTION	SYMBOL
1	P230BN1	Block, Diode	
2	P612M1 AAA612T4	Diode (IN 4004) CR1	
3	234F2	Filter NF	
4	2700CAA2	Kit, Terminal Block & Insulation Barrier	
5	P232F60	Resistor, 27K Ohm, 1/2 Watt	
6	232B164	Resistor, 75 Ohm, 30 Watt	DMF
7	P623P1	Timer	TMR
8	604F7 AAA605AA45	Varistor, 510 V Continuous RMS	SA1, SA2, SA3

433NX Panel Assembly

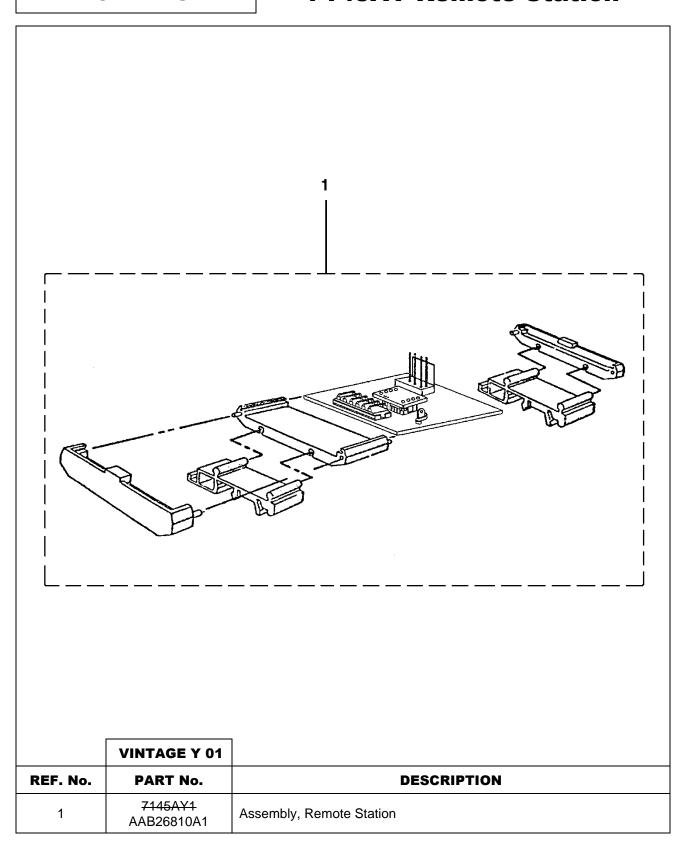


	VINTAGE Y 01		
REF. No.	PART No.	DESCRIPTION	SYMBOL
1	226DR2	Capacitor, 340 Microfarad, 250 V	C1
2	226DR3	Capacitor, 3,000 Microfarad	C2
3	226EJ1	Capacitor, 19,000 Microfarad.	C4
4	230BS1	Rectifier, Bridge	RF4
5	230BS2	Rectifier, Bridge	RF1, RF2
6	232FB7 AAA232FJ2	Resistor, 4K Ohm, 10 Watt	R7, R8
7	232B207	Resistor, 75 Ohm, 30 Watt	DMF1, RDMF1
8	AAA232FD14 AAA617H14	Resistor, 250 Ohm, 30 Watt	D5, RD5
9	604F6 AAA605AA13	Varistor, 30 V Continuous RMS	SA8
10	604F5 AAA605AA29	Varistor, 130 V Continuous RMS	SA4, SA5

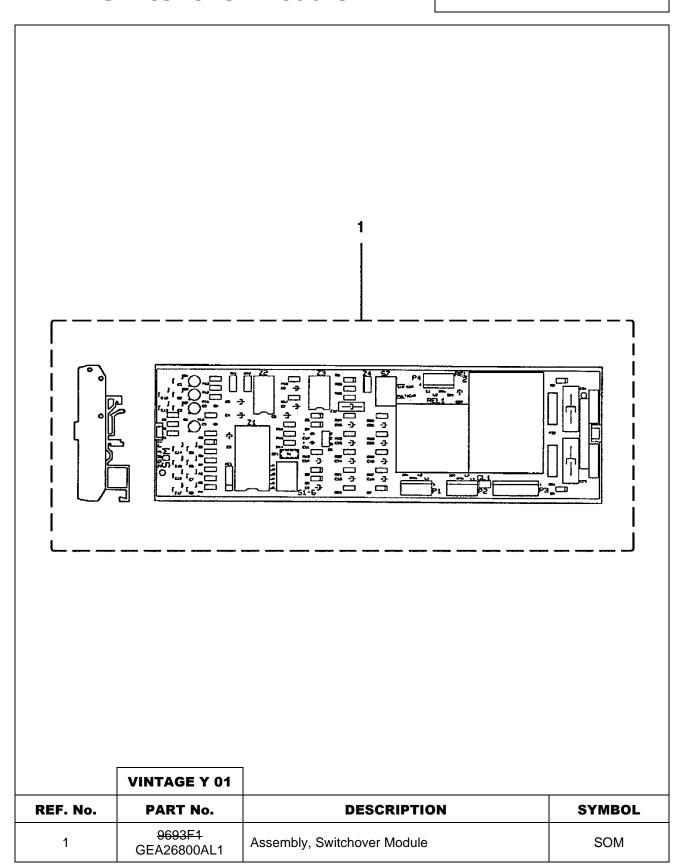
433NW Panel Assembly



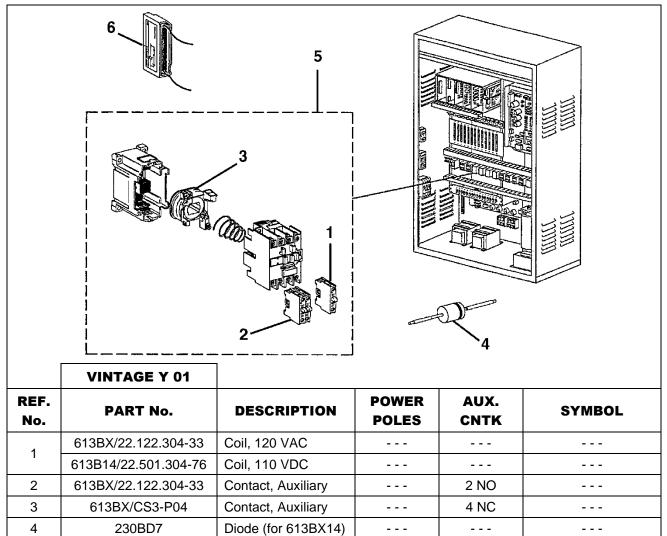
7145AY Remote Station



Switchover Module



Type 613BX Relay

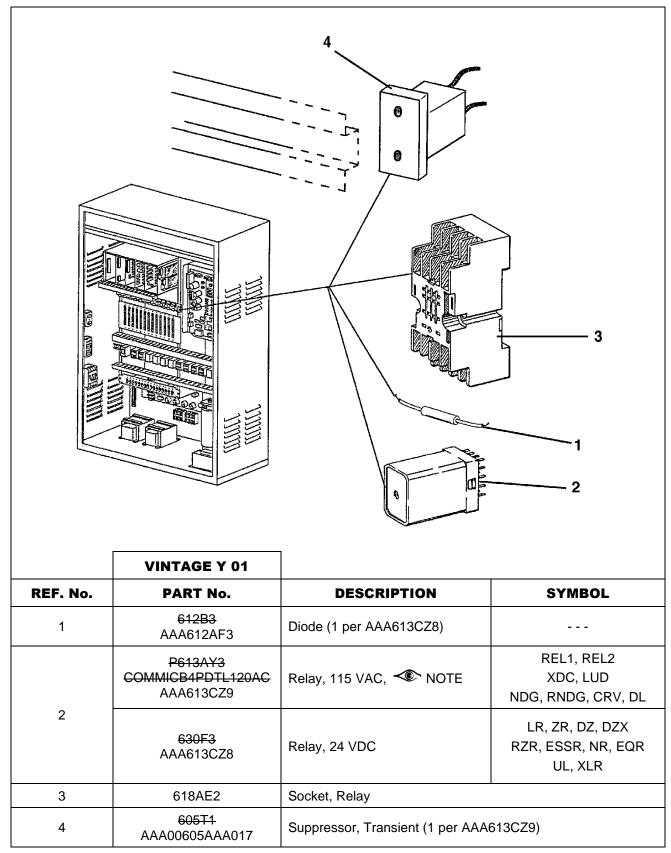


1	613BX/22.122.304-33	Coil, 120 VAC			
'	613B14/22.501.304-76	Coil, 110 VDC			
2	613BX/22.122.304-33	Contact, Auxiliary		2 NO	
3	613BX/CS3-P04	Contact, Auxiliary		4 NC	
4	230BD7	Diode (for 613BX14)			
	613BX4 AAA613DL17	Relay, 120 VAC NOTE	2 NO, 2 NC		LRX, RVD, RRVD
	613BX13 AAA613DL16	Relay, 120 VAC NOTE	3 NO, 1 NC		NRX, SDP, RNDGX, SDR, REV, RREV, CSA, NDGX
5	613BX12 AAA613DL22	Relay, 120 VAC NOTE	2 NO, 2 NC	2 NO, 2 NC	D, DO, RDO, INS, LVS, SRR, U, UD, AUD
	613BX1 613BX31	Relay, 120 VAC NOTE	3 NO, 1 NC	2 NO	BR
	613BX14 AAA613DL105	Relay, 110 VDC NOTE	3 NO, 1 NC		ВК
6	605T2 AAA00605AAA014	Suppressor, Transient (1 per 120 VAC Relay)			

NOTE: Replacement is functionally the same with different mechanical attributes. See TIP 1.2.0-37 for details.

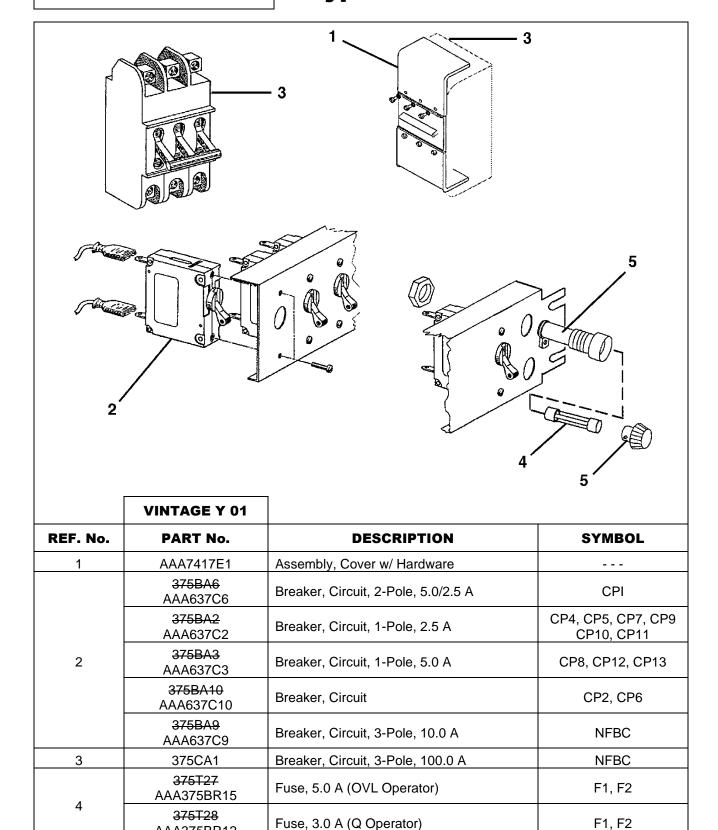
Type P613AY Relay

10-7417C



NOTE: These boards are interchangeable.

Type 375B Circuit Breaker

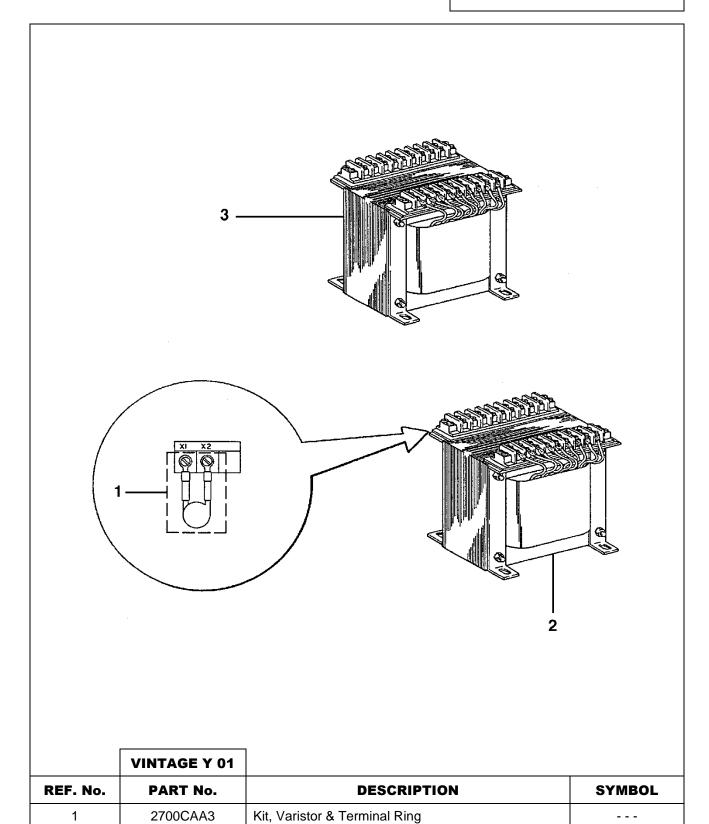


5

AAA375BR12

180AB1

Holder, Fuse



Transformer (Sec.: 10, 10, 10, 12, 23, 105 V)

Transformer (Sec.: 85, 93, 95, 103, 105, 115 V)

This document does not contain any technical data subject to EAR or ITAR
Unpublished Work—Otis Elevator Co., 2022

235EB1

A235EA1

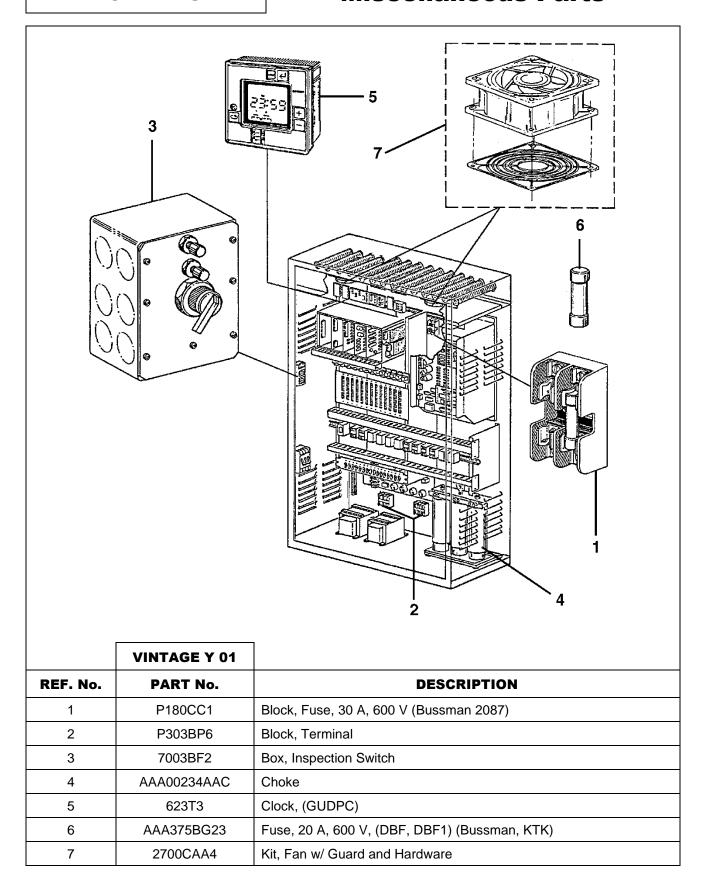
2

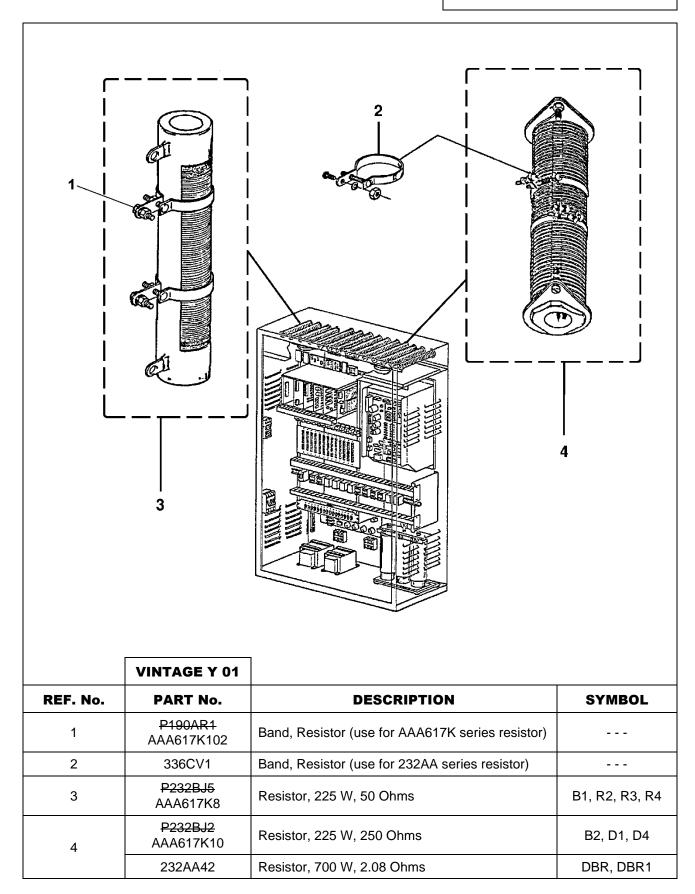
3

TRP

TRM

Miscellaneous Parts





Seismic Reset Switch

