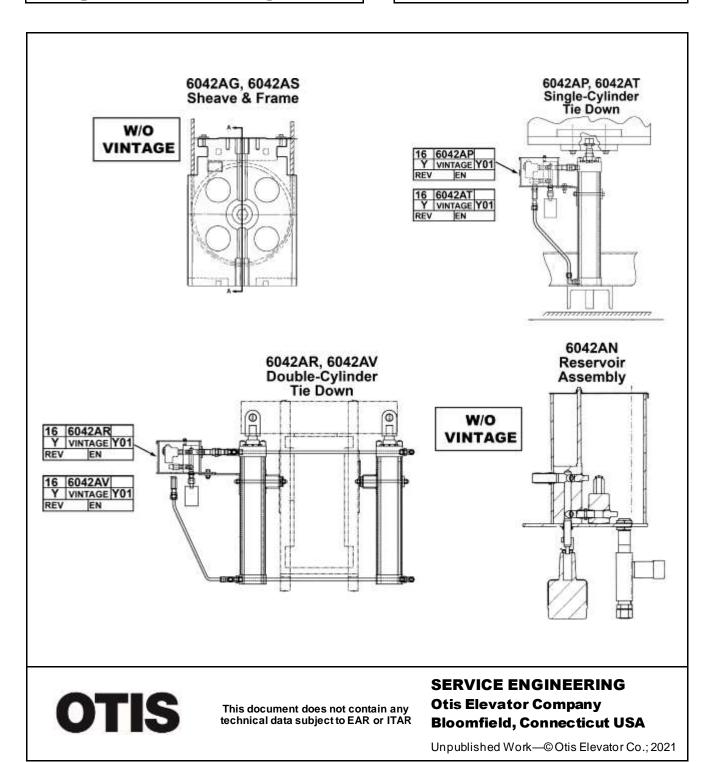
Free Compensation, Hydraulic Tie Down, Single and Dual Cylinder

Spare Parts Leaflet 16-6042AP

November 17, 2021 / Page 1 of 18



History

Leaflet Description

This leaflet addresses the spare parts required for use in the maintenance of compensating sheave frame assemblies. In addition, components used in single and dual hydraulic tie-down compensating sheave frame assemblies are listed. The free compensation sheaves date back as far as 1915. Sheave assembly C-20-SH dates back to 1915. The A265BJ design began at approximately 1964.

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
January 1988	Jeff Costley, Technical Writer	New SPL
May 18, 2009	Gary Mendrala Added hydraulic cylinders and check, three relief valves.	
March 24, 2010	Gary Mendrala	Changed document title; added new sheave assemblies on pages 4, 6–10.
June 20, 2012	Gary Mendrala	Added parts 177CP1, C3059X12, and C3059X8 on p. 15
July 10, 2013	Gary Mendrala	Added AAA6042CK
February 21, 2018	Gary Mendrala	Added new type 6042AN arrangements on p. 18
July 3, 2019	Gary Mendrala	Added p/n 237CC1 on p. 8
April 1, 2020	Gary Mendrala	Corrected p/n 441CN3 on p. 13
November 17, 2021	Gary Mendrala	Added lubricant information

Related Drawings

Drawing No.	Title	Drawing No.	Title	
6042AG-AS		6042AP, AT	Assembly and Arrangement, Hydraulic Tie Down, Single Cylinder	
6042BY		6042AV, AR	Assembly and Arrangement, Hydraulic Tie Down, Dual Cylinders	
6042D-F	Assembly, Compensating Sheave and Frame	6042AN	Assembly, Reservoir	
A6042C, E, F		346ABE 346AEF	Cover, Bearing	
B6042C-G		265BJ	Sheave	
C-20-SH				
207AF	Bearing	495CC 77PY	Shaft	
462W	Sleeve			
AAA6042CK	Comp Frame			

(Continued on next page)

History (continued)

16-6042AP

Related Documents

Document ID	Title
SPL 16-AAA25870G	2:1 Counterweight Sheave Assembly
TIP 10.4.1-1	Mono-Mass Device 6042 Hydraulic Tie-Down Compensating Sheave
SWP N-10.4-1	Rope Hydraulic Compensation

Subject Matter Expert

Name	Department
Gary Mendrala	OSC Service Engineering

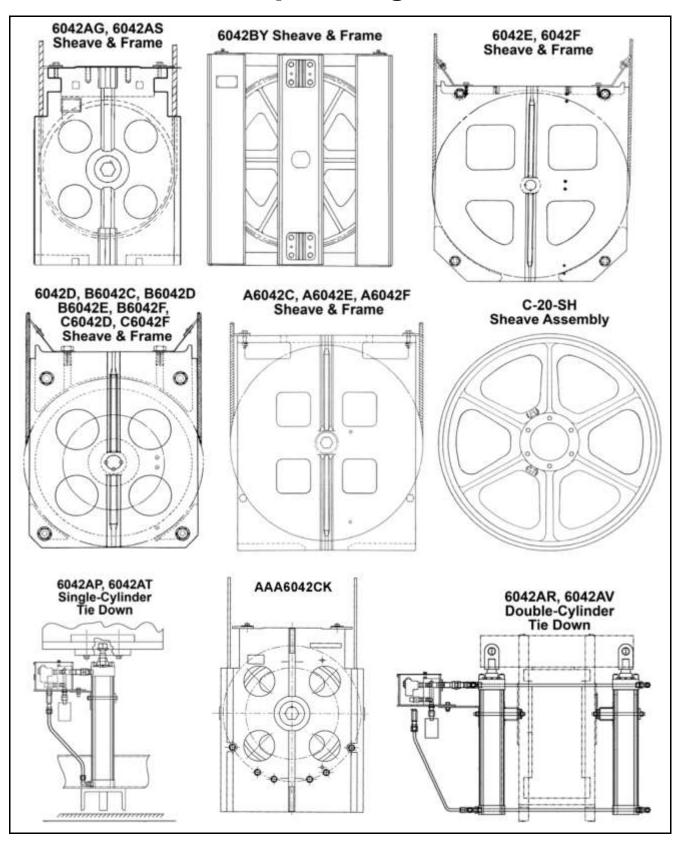
About Spare Parts Leaflets...

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.

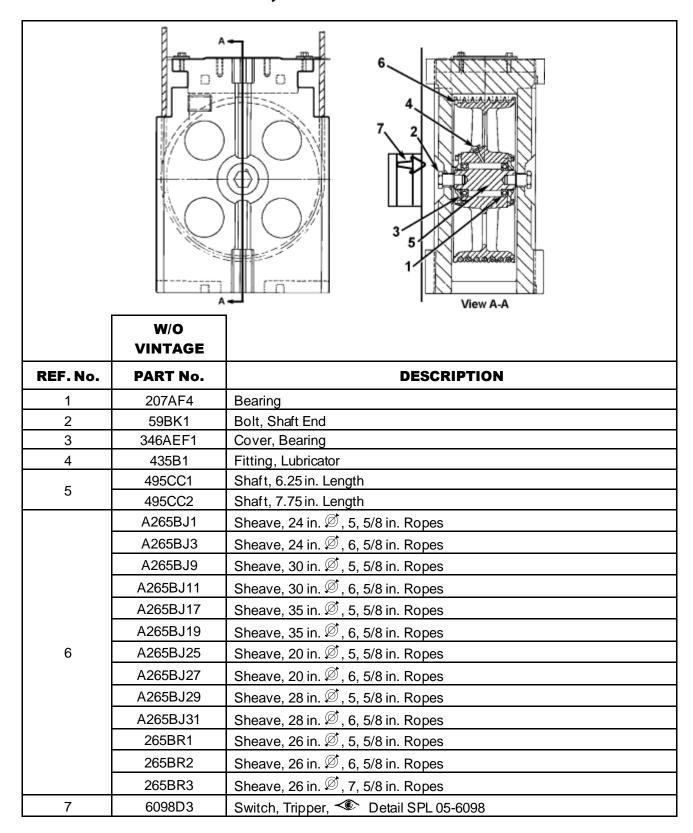
While goal of this document is to make parts identification as easy as possible, the document cannot be all-inclusive. Elevator and escalator contracts classified as "special" or "custom" are not addressed here. For such contracts, please refer to specified information, the contract folder, TIPs, Field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

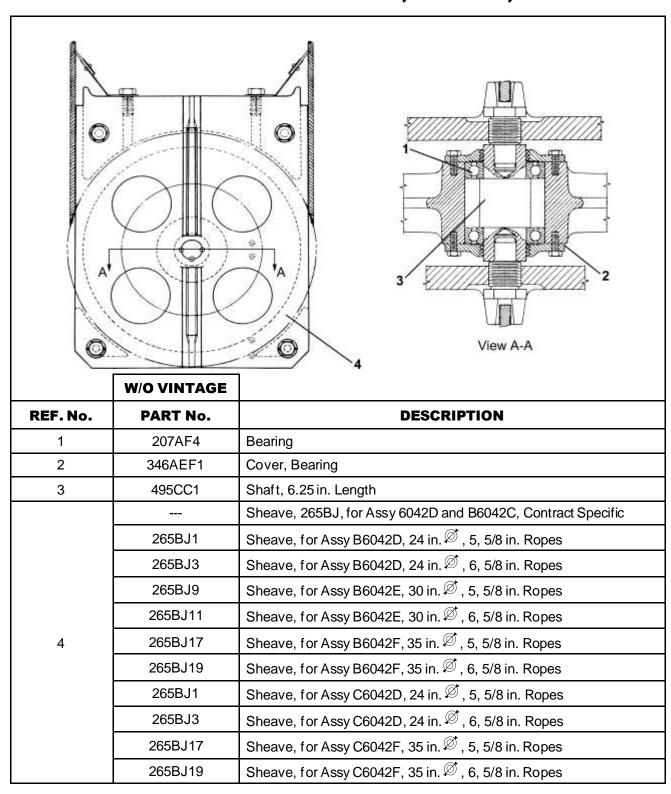
Pictorial Depiction of Compensating Sheave and Frame



Compensating Sheave and Frame 6042AG, 6042AS

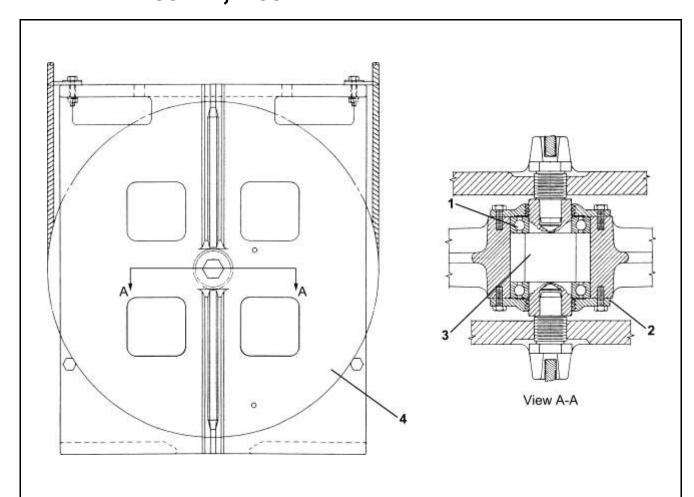


Free Compensation 6042D, B6042C, B6042D, B6042E, B6042F, C6042D, C6042F



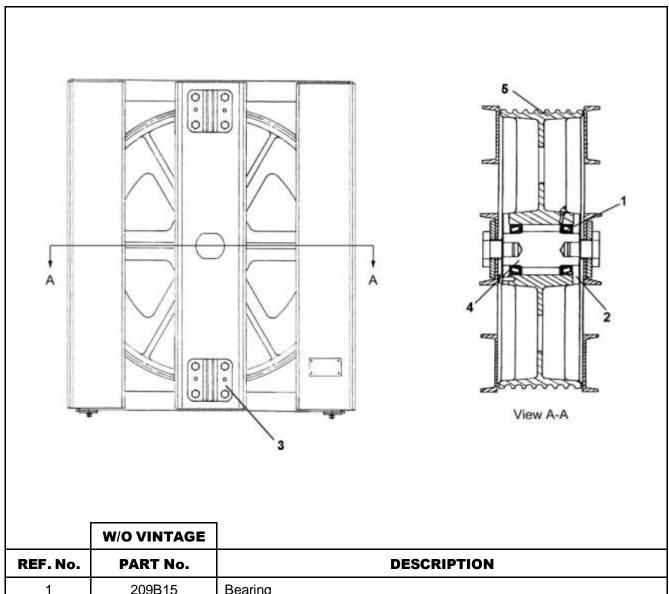
Free Compensation A6042C, A6042E, A6042F

16-6042AP



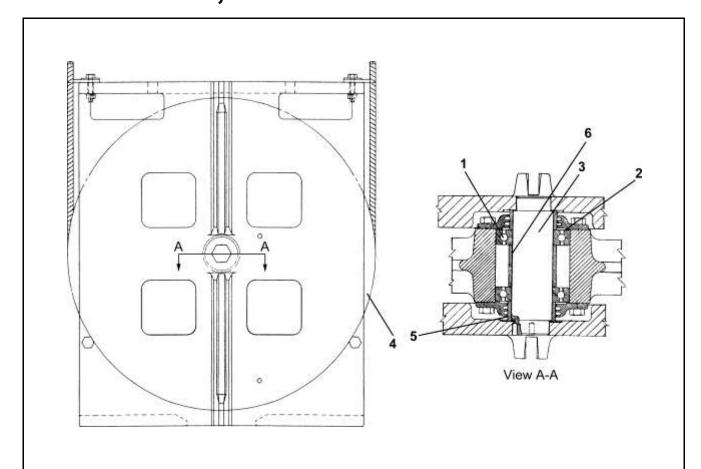
	W/O VINTAGE			
REF. No.	PART No.	DESCRIPTION		
1	207AF4	Bearing		
2	346AEF1	Cover, Bearing		
3	495CC1	Shaft, 6.25 in. Length		
		Sheave, 265BJ, for Assy A6042C		
	265BJ1	Sheave, for Assy B6042D, 24 in. Ø , 5, 5/8 in. Ropes		
4	265BJ9	Sheave, for Assy B6042E, 30 in. Ø, 5, 5/8 in. Ropes		
	265BJ11	Sheave, for Assy B6042E, 30 in. Ø, 6, 5/8 in. Ropes		
	265BJ17	Sheave, for Assy B6042F, 35 in. Ø, 5, 5/8 in. Ropes		

Free Compensation 6042BY



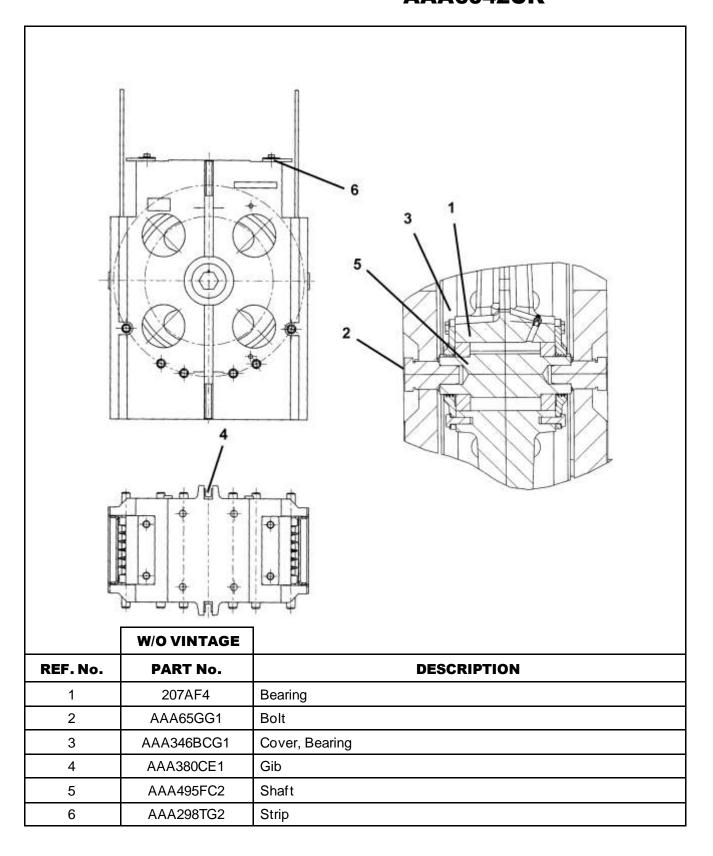
	W/O VINTAGE	
REF. No.	PART No.	DESCRIPTION
1	209B15	Bearing
2	346ANN1	Cover, Bearing
3	237CC1	Guide
4	495DR1	Shaft, 11.40 in. Length
	265BV1	Sheave, 38 in. Ø, 5, 5/8–11/16 in. Ropes
	265BV2	Sheave, 38 in. Ø, 6, 5/8–11/16 in. Ropes
5	265BV3	Sheave, 38 in. Ø, 7, 5/8–11/16 in. Ropes
5	265BV4	Sheave, 40 in. Ø, 5, 5/8–11/16 in. Ropes
	265BV5	Sheave, 40 in. Ø, 6, 5/8–11/16 in. Ropes
	265BV6	Sheave, 40 in. Ø, 7, 5/8–11/16 in. Ropes

Free Compensation 6042E, 6042F, B6042G

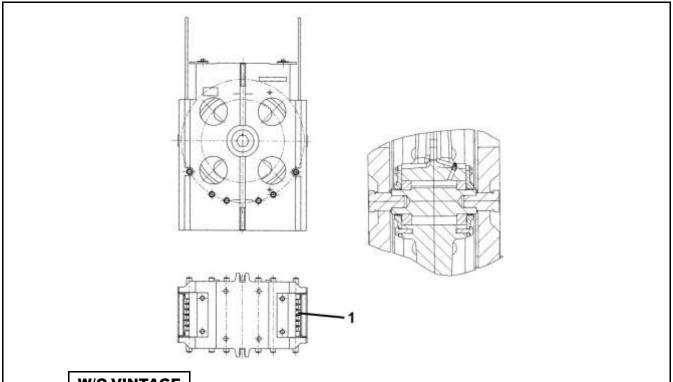


	W/O VINTAGE	
REF. No.	PART No.	DESCRIPTION
1	207AF4	Bearing
2	346ABE1	Cover, Bearing
3	77PY1	Shaft, 8.19 in. Length
	265BJ9	Sheave, for Assy 6042E, B6042G, 30 in. Ø, 5, 5/8 in. Ropes
	265BJ11	Sheave, for Assy 6042E, B6042G, 30 in. Ø, 6, 5/8 in. Ropes
4	265BJ17	Sheave, for Assy 6042F, B6042G, 35 in. Ø, 5, 5/8 in. Ropes
4	265BJ19	Sheave, for Assy 6042F, B6042G, 35 in. Ø, 6, 5/8 in. Ropes
	265BJ1	Sheave, for Assy B6042G, 24 in. \varnothing , 5, 5/8 in. Ropes
	265BJ3	Sheave, for Assy B6042G, 24 in. \varnothing , 6, 5/8 in. Ropes
5	462W50	Sleeve, Outer
6	462W51	Sleeve, Inner

Tied Down Compensation AAA6042CK

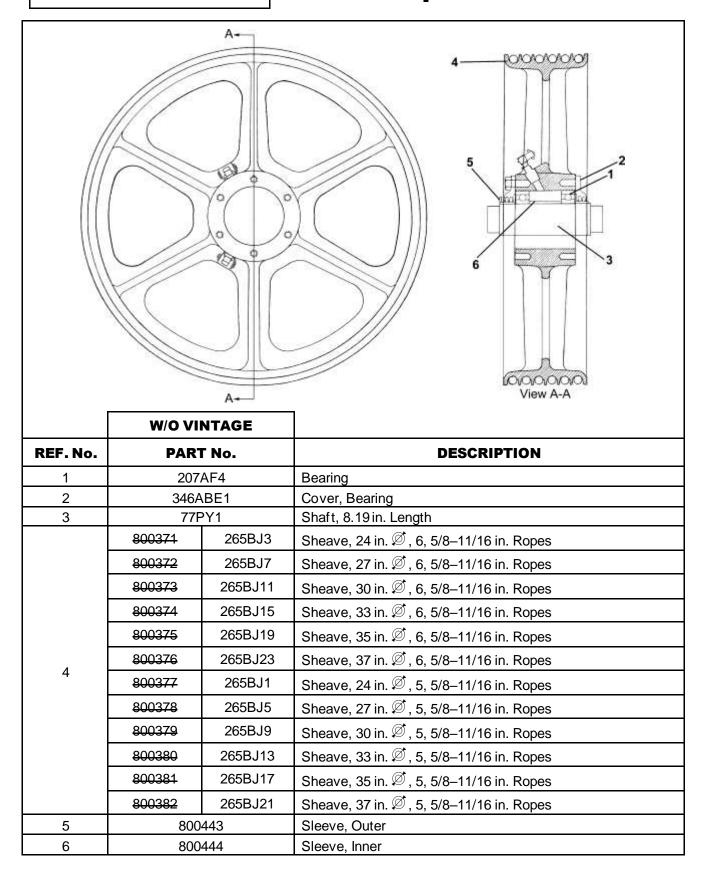


Tied Down Compensation AAA6042CK



	W/O VINTAGE				
REF. No.	PART No.	DESCRIPTION	SHEAVE DIAMETER (in.)	NUMBER OF ROPES	ROPE DIAMETER (in.)
	AAA265CH1	Sheave	20	5	5/8
	AAA265CH2	Sheave	20	6	5/8
	AAA265CH3	Sheave	20	7	5/8
	AAA265CH4	Sheave	22	5	5/8–11/16
	AAA265CH5	Sheave	22	6	5/8–11/16
	AAA265CH6	Sheave	22	7	5/8–11/16
	AAA265CH7	Sheave	24	5	5/8–11/16
	AAA265CH8	Sheave	24	6	5/8–11/16
	AAA265CH9	Sheave	24	7	5/8–11/16
	AAA265CH10	Sheave	26	5	5/8–11/16
1	AAA265CH11	Sheave	26	6	5/8–11/16
	AAA265CH12	Sheave	26	7	5/8–11/16
	AAA265CH13	Sheave	28	5	5/8–11/16
	AAA265CH14	Sheave	28	6	5/8–11/16
	AAA265CH15	Sheave	28	7	5/8–11/16
	AAA265CH16	Sheave	30	5	5/8–11/16
	AAA265CH17	Sheave	30	6	5/8–11/16
	AAA265CH18	Sheave	30	7	5/8–11/16
	AAA265CH19	Sheave	35	5	5/8–11/16
	AAA265CH20	Sheave	35	6	5/8–11/16
	AAA265CH21	Sheave	35	7	5/8–11/16

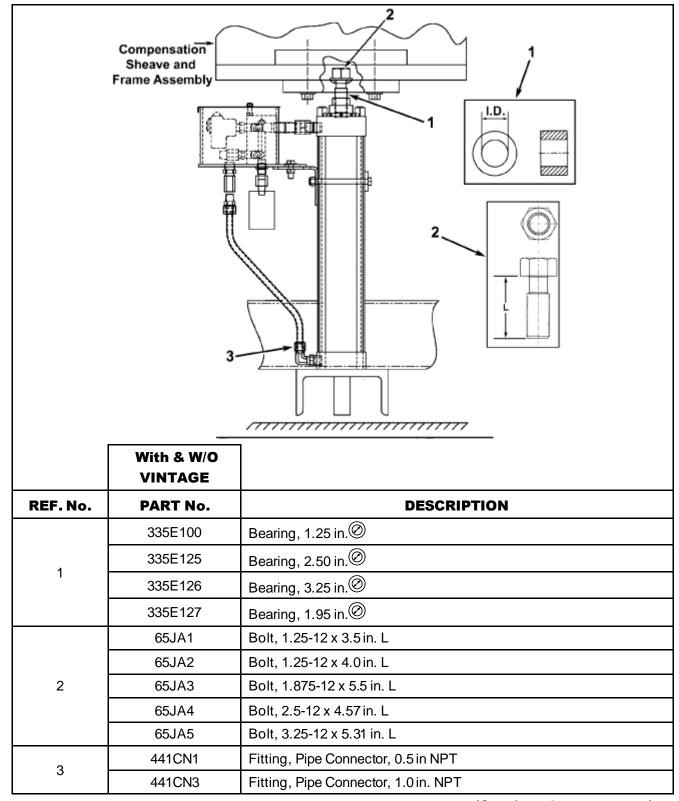
Free Compensation C-20-SH



Hydraulic Single-Cylinder

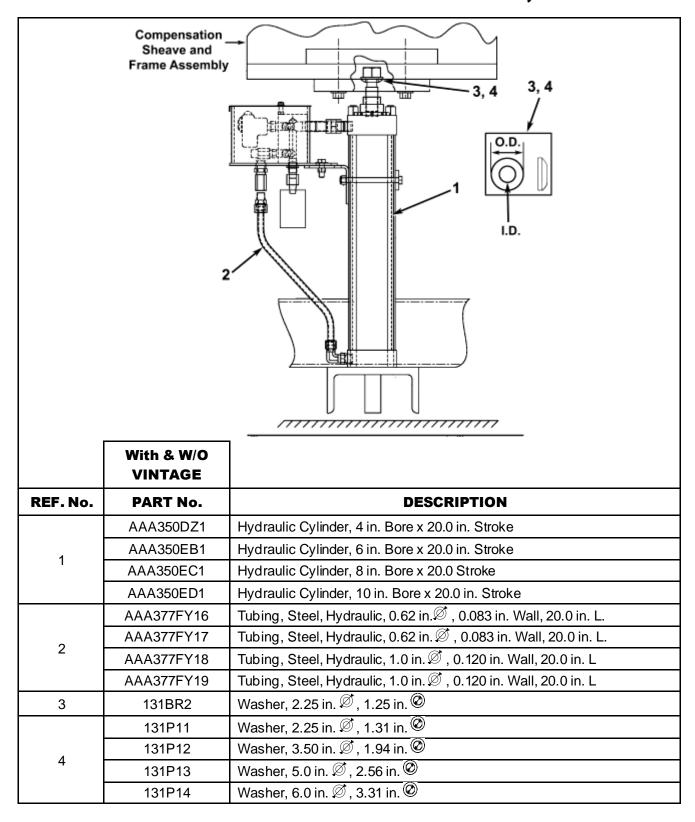
16-6042AP

Tie Down 6042AP, 6042AT

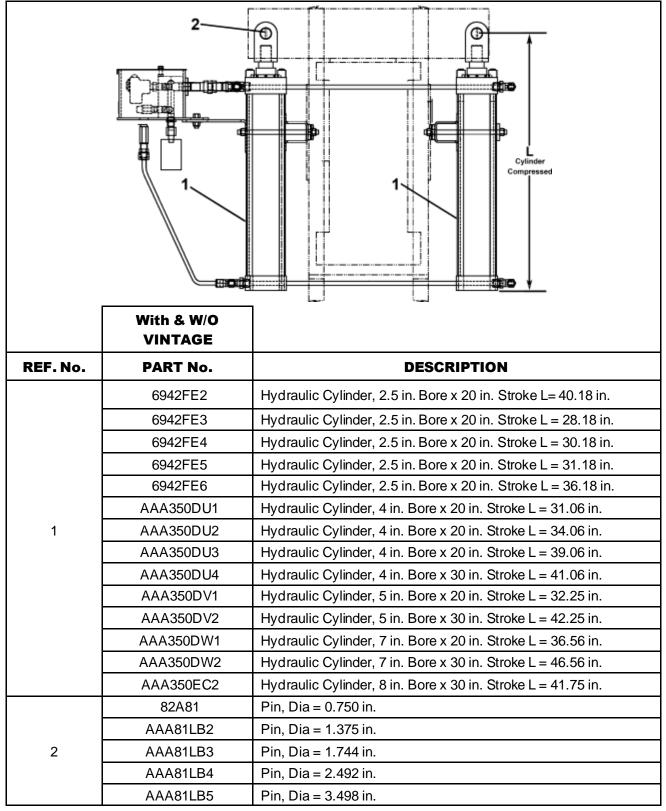


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Hydraulic Single-Cylinder Tie Down 6042AP, 6042AT

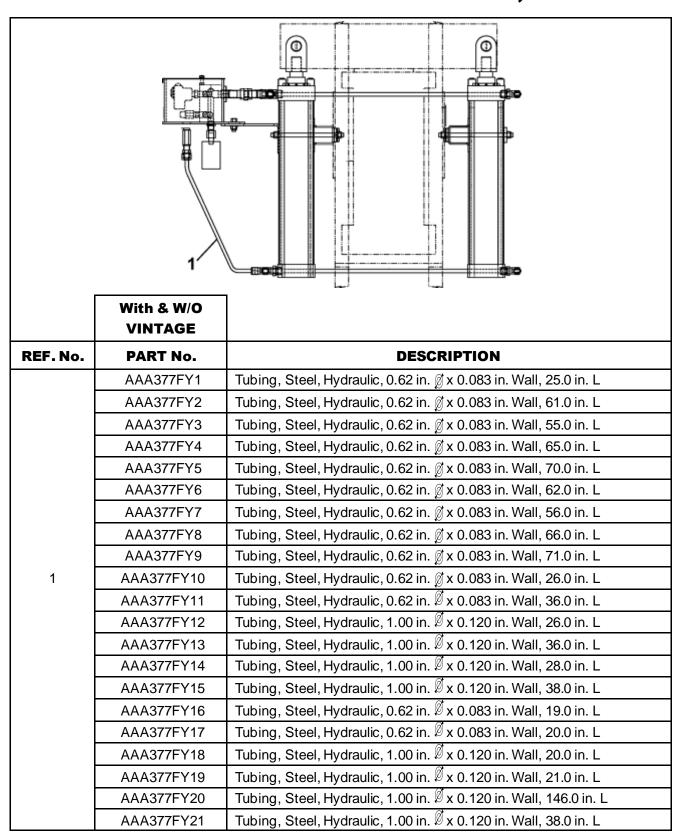


Hydraulic Dual-Cylinder Tie Down 6042AR, 6042AV



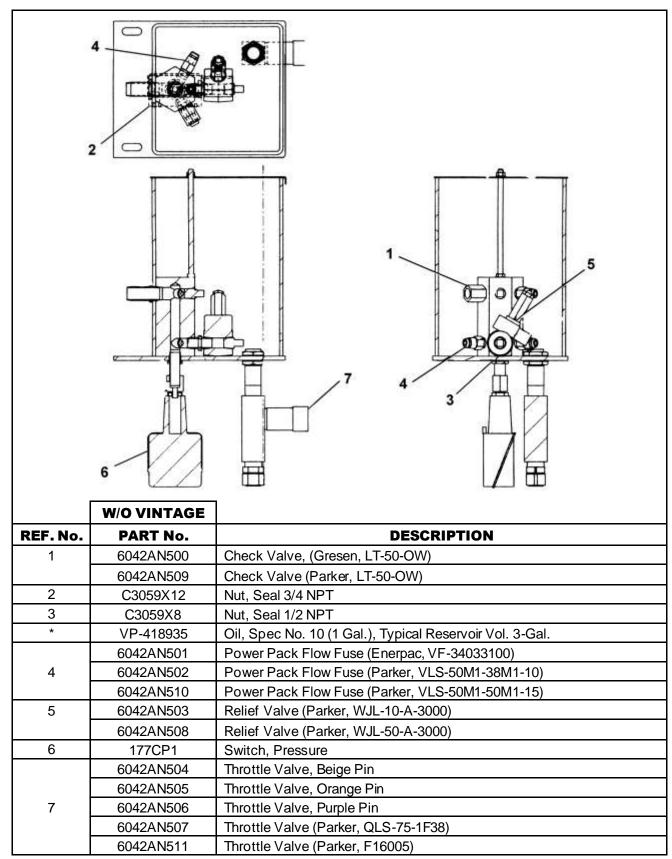
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Hydraulic Dual-Cylinder Tie Down 6042AR, 6042AV



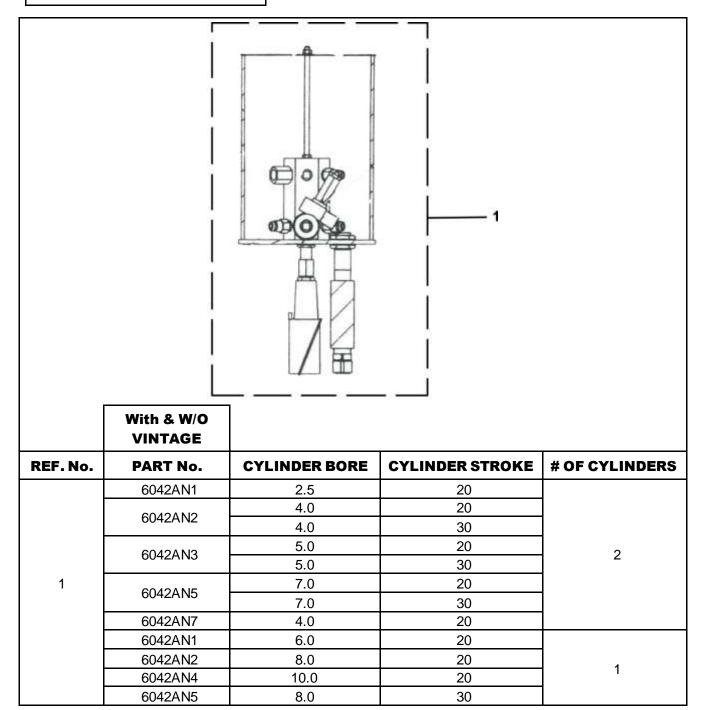
Reservoir Assembly 6042AN

16-6042AP



^{*} Part not shown.

Reservoir Assembly 6042AN



	With & W/O VINTAGE	
REF. No.	PART No.	DESCRIPTION
*	VP-418935	Otis Oil Specification #10 (1 gallon)
See NOTE	VP-418940	Otis Oil Specification #10 (5 gallons)

^{*} Part not shown.

NOTE: Hydraulic oil is used for hydraulic tie down assemblies. Approximately 11.5 quarts are required for full replacement. See SWP N-10.4-1 for maintenance instructions.