Spare Parts Leaflet 22 CT Machine 06-C7078A December 23, 2009 / Page 1 of 37 W/O VINTAGE W/O VINTAGE m Machine Above w/Overhung Machine Above w/Inboard **Drive Sheave Drive Sheave** 06 IF-7079CB W/O VINTAGE W/O VINTAGE 06 7078CB Y01 VINTAGE Machine Below w/Overhung Machine Above Arrangement **Drive Sheave** (Long Wrap) 06 IF-7078CB W/O VINTAGE 7078CB 06 VINTAGE Y01 Machine Below w/Deflector (Single Wrap) SERVICE ENGINEERING OTIS **Otis Elevator Company Bloomfield, Connecticut USA**

Leaflet Description

This SPL provides spare parts information for 22CT machines. Previously, this information was divided between documents for each manufacturing location, Yonkers and Hamilton. The differences between the two are minimal. The differences are easily discernable by features of the parts themselves. Although most of these machines do not carry vintage tags, there are several references throughout this document to vintages as defined by the original assembly drawings. These vintage designations can be found in the machine records or 20/20 sheets, or identified by features of the machine itself as follows:

- **7078A**—Inboard drive sheave machine was produced until early 1967. It is identifiable by flat thrust bearing cover with no pipe plug. The outboard sheave shaft bearing housing is one piece. There is no separate cover. The gearcase has one side inspection cover on the side away from the drive sheave.
- **7078C**—Overhung drive sheave machine was produced until early 1967. It is identifiable by flat thrust bearing cover with no pipe plug. The gearcase side sheave shaft bearing housing is one piece. There is no separate cover. The gearcase has side inspection cover on both sides.
- A7078A—Inboard drive sheave machine was produced from early 1967 through early 1968. It is identifiable by thrust bearing cover with a low, flat dome (1/2 in. tall compared to the rest of the surface) and a 1/4 in. pipe plug. The gearcase has two side inspection covers.
- A7078C—Overhung drive sheave machine was produced from early 1967 through early 1968. It is identifiable by thrust bearing cover with a low, flat dome (1/2 in. tall compared to the rest of the surface) and a 1/4 in. pipe plug. The gearcase has two side inspection cover.
- **B7078A**—Inboard or overhung drive sheave machine was produced from early 1968 to early 1969. It is identifiable by domed thrust bearing cover (3/4 in. tall compared to the rest of the surface) with 1/2 in. pipe plug. The gearcase has two side inspection covers. This is the only vintage of 22CT machine to have the thrust bearing retained on the worm shaft by a bearing nut and a tabbed washer.
- **C7078A**—Inboard or overhung drive sheave machine was produced from early 1969 to the end of Yonkers production. It is identical to the B7078A vintage, except that the thrust bearing retainer was returned to the disc type with three screws. The gearcase side inspection covers were eliminated in 1977, so examples of this vintage exist with or without them.
- **RYC7078A**—Inboard or overhung drive sheave machine was produced from early 1982 in Hamilton primarily for use in Canada. It differentiated from the C7078A machines by the availability of drive sheaves with selector tape grooves on overhung drive sheave type machines. If any inboard drive sheave type machines were produced to this drawing, they would be essentially the same as the C7078A type.
- **1F-7078CB**—Overhung drive sheave machine, early production version of the redesign that Hamilton produced from mid 1986. It is essentially identical to 7078CB type machines. This type was predominantly used in long wrap machine above and nosed-in machine below applications.
- **7078CB**—Overhung drive sheave machine was produced in Hamilton from 1986 to production end. It is essentially identical to 1F-7078CB type machines. Predominantly used in long wrap machine above and nosed-in machine below applications.
- **NOTE:** OSC only supplies worm and gear sets that are made to the latest standard. For earlier vintage machines, additional upgrade kits (as noted throughout this SPL) are necessary to install these gear sets. For future service part needs, such as bearings and seals, once these kits are installed, the machine will essentially be the latest vintage of its type (C7078A or 7078CB), and the original replacement parts will no longer work. For subsequent service parts needs after a worm and gear change, always order parts per the latest vintage.

(Continued on next page)

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History (continued)

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
June 30, 2006	Tom Charney	New Leaflet
November 4, 2009	Tom Charney	Updated coupling parts and illustrations on pages 26–27.
December 23, 2009	Tom Charney	Corrected typo on page 26; updated illustrations on pages 26 and 27.

Related Drawings

Drawing No.	Title	Drawing No.	Title
C7078A	Assembly & Arrangement of 22CT Machine	A7078B	Assembly, Flexible Brake Coupling

Related Documents

Document ID	Title
SPL C-1064	Type 7078D Brake
SPL 06-7078CB	22 CT Machine, Hamilton Manufacture
TIP 6.2.0-21	CT Machine Bushing Removal Tool

Subject Matter Expert

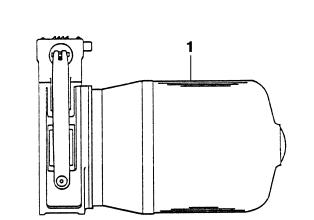
Name	Department
Tom Charney	OSC Service Engineering

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 allinclusive. 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.

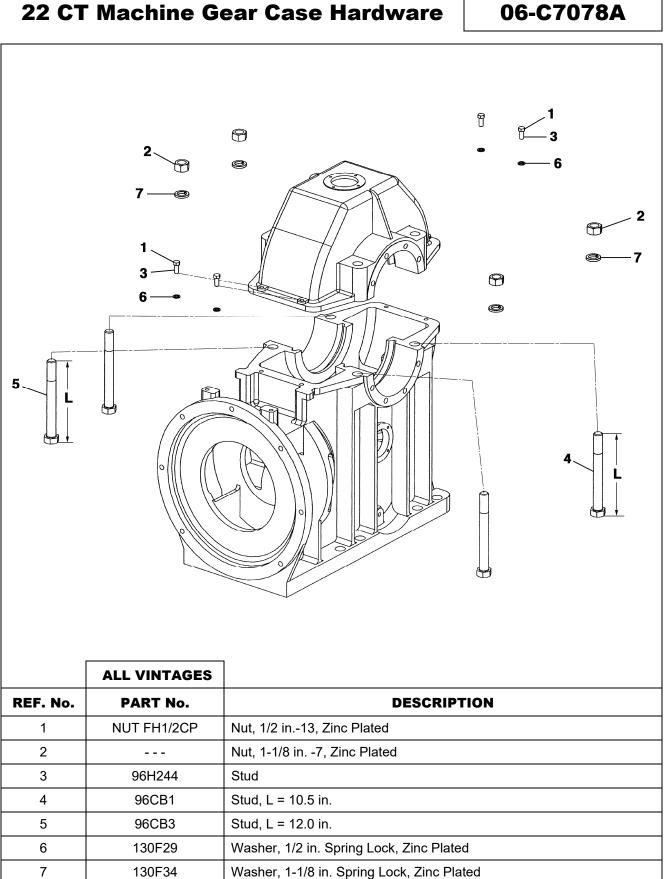
If you have any suggestions about this document, please contact the subject matter expert listed on this page.



	W/O VINTAGE	
REF. No.	MOTOR TYPE	DESCRIPTION
	Type 60KSL	AC Motor, 🔊 SPL C-1054
	Type 76KS	AC Motor, 🔊 SPL C-1055
	Type 83KS	AC Motor, 冬 SPL C-1056
	Type 95KS	AC Motor, 🔊 SPL C-1057
1	Type 101KS	AC Motor, 冬 SPL C-1058
	Type 77L	UMV Motor, 🐨 SPL C-1060A
	Type 89L	UMV Motor, 🐨 SPL C-1061
	Type 98L	UMV Motor, 🐨 SPL C-1062
	Type 6333CN, DN	UMV Motor, < SPL 08-6333CK-LS
	Type 6333DK, DM, DN, DS	UMV Motor, < SPL 08-6333CK-IMP
	Reuland	ACVF Motor, Call OSC (AAA20570E)
	Reivaj	ACVF Motor, SPL 08-AAA20570A

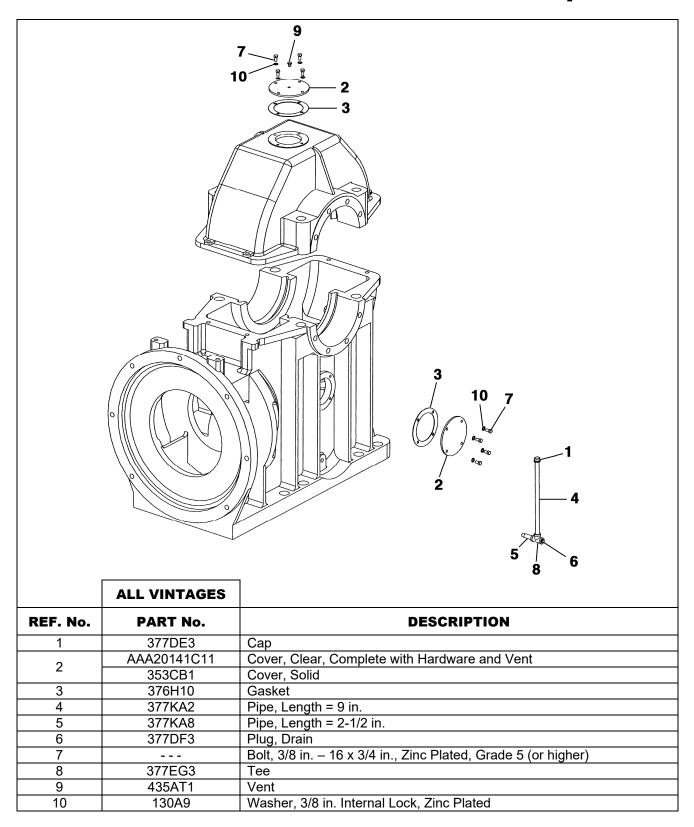
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22 CT Machine Gear Case

Covers and Stand Pipe



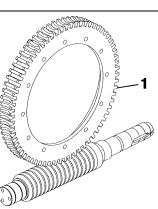
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Unpublished Work-Otis Elevator Co., 2009

22 CT Machine Worm & Gear Sets

06-C7078A

NOTE: When replacing a worm and gear set, order worm shaft sundries kit p/n AAA27076BE1 (see p. 8) and sheave shaft sundries kit p/n AAA27076BE5 for overhung sheave (see p. 15) or p/n AAA27076BE8 for inboard sheave (see p. 18).



				<u> </u>		
		COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5
		VINTAGE Y01 & W/O VINTAGE	W/O VINTAGE (see NOTE 1)	W/O VINTAGE (see NOTE 2)	W/O VINTAGE (see NOTE 3)	W/O VINTAGE (see NOTE 3)
		(C7078A, Ryc7078A, 7078CB)	(C7078A, F-7078CB)	(B7078A)	(A7078A, A7078C)	(7078A, 7078C)
REF. No.	GEAR RATIO			PART NUMBER	2	
	12-1/6:1	490HH1/ 200BL1	A190HC1/ 200BL1	490HC1/ 200BL1	A190GN1/ 200BL1	490GN1/ 200BL1
	17-3/4:1	490HH2/ 200BL2	A490HC2/ 200BL2	490HC2/ 200BL2	A490GN2/ 200BL2	490GN2/ 200BL2
	20-1/4:1	490HH11/ 200BL11	A490HC11/ 200BL11	4 90HC11/ 200BL11	A490GN11/ 200BL11	4 90GN11/ 200BL11
	23-2/3:1	490HH3/ 200BL3	A490HC3/ 200BL3	4 90HC3/ 200BL3	A490GN3/ 200BL3	4 90GN3/ 200BL3
	24:1	490HV1/ 200BT1	1F-490HV2/ RX200BL3			
	28-1/3:1	490HH4/ 200BL4	A490HC4/ 200BL4	4 90HC4/ 200BL 4	A490GN4/ 200BL4	490GN4/ 200BL4
	34:1	490HV2/ 200BT2	1F-490HV3/ RX200BL5			
1	34-1/2:1	490HH5/ 200BL5	A490HC5/ 200BL5	4 90HC5/ 200BL5	A490GN5/ 200BL5	4 90GN5/ 200BL5
	42-1/2:1	490HH6/ 200BL6	A490HC6/ 200BL6	4 90HC6/ 200BL6	A490GN6/ 200BL6	4 90GN6/ 200BL6
	46-1/2:1	490HH12/ 200BL12	A490HC12/ 200BL12	490HC12/ 200BL12		
	47:1 (NOTE 4)				A490GN7/ 200BL7 (see NOTE 4)	4 90GN7/ 200BL7 (see NOTE 4)
	57:1	490HH8/ 200BL8	A490HC8/ 200BL8	490HC8/ 200BL8	A490GN8/ 200BL8	490GN8/ 200BL8
	71:1	490HH9/ 200BL9	A490HC9/ 200BL9	490HC9/ 200BL9	A490GN9/ 200BL9	490GN9/ 200BL9
	85:1	490HH10/ 200BL10	A490HC10/ 200BL10	490HC10/ 200BL10	A490GN10/ 200BL10	490GN10/ 200BL10

NOTE 1: When replacing worm and gear sets shown in this column, use part numbers shown in column 1.

NOTE 2: When replacing worm and gear sets shown in this column, use part numbers shown in **column 1** and also supply thrust retainer upgrade p/n AAA27076BE3.

NOTE 3: When replacing worm and gear sets shown in this column, use part numbers shown in **column 1** and also supply thrust housing upgrade p/n AAA27076BE2.

NOTE 4: Replace 47:1 ratio with 46-1/2:1 ratio.



22 CT Machine Worm & Gear Parts

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			T T T T T T T T T T T T T T T T T T T
	W/O VINTAGE (C7078A, RYC7078A, 1F-7078CB)	VINTAGE Y01 (7078CB)	
REF. No.	PART	Г No.	DESCRIPTION
1	2072	Z56	Bearing, Inside
2	209/		Bearing, Thrust
3	840	014	Bolt, Body Fit
4	255H		Gasket, Inside Cover
5	376		Gasket, Thrust Cover
6	376	J51	Gasket, Thrust Housing
7	AAA270)76BE1	Kit, Worm Shaft Sundries, Includes Gear Mounting Hardware
8	72B		Nut, Spanner
9	671		Nut, Elastic Stop
10	33A		Seal, Solid, Worm Shaft, see NOTE
	255		Shim, Thrust Cover, 0.003 in. Thick
11	255H		Shim, Thrust Cover, 0.0075 in. Thick
12	130A		Washer, Tabbed
			r only. For service replacement split seal, see page 9

NOTE: Solid seal for use during complete repair only. For service replacement split seal, see page 9.

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22 CT Machine Worm Shaft Parts

06-C7078A

1 11	9 5 13 12 0 0 8 8 16		Image: with the set of the
	W/O VINTAGE (C7078A, RYC7078A, 1F-7078CB)	VINTAGE Y01 (7078CB)	
REF. No.	PAR	T No.	DESCRIPTION
1	ВТЕН 5		Bolt, 5/8 in. – 11 x 1-1/4 in., Grade 8 (jack-screw for thrust
	DITITS	/8X1-1/4	housing removal)
2		/8X1-1/4 11285	
2 3	VP-7 VP-7	11285 11300	housing removal)
	VP-7 ⁻ VP-7 ⁻ VP-7 ⁻ A346	11285	housing removal) Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)
3	VP-7 VP-7 A346 A346	11285 11300 ALP2	housing removal) Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)
3 4	VP-7 ⁻ VP-7 ⁻ A346 A346 B346	11285 11300 ALP2 AFW1	housing removal) Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing
3 4 5	VP-7 VP-7 A346 A346 B346 B396	11285 11300 ALP2 AFW1 AFV1	housing removal) Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing Cover, Thrust Bearing
3 4 5 6	VP-7 ⁻ VP-7 ⁻ A346 A346 B346 B346 B396 192	11285 11300 ALP2 AFW1 AFV1 6FM1	housing removal)Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Inside BearingCover, Thrust BearingHousing, Thrust Bearing
3 4 5 6 7	VP-7 ⁻ VP-7 ⁻ A346 A346 B346 B396 192 AAA27	11285 11300 ALP2 AFW1 AFV1 6FM1 G44	housing removal)Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Inside BearingCover, Thrust BearingHousing, Thrust BearingKey, Worm Shaft
3 4 5 6 7 8	VP-7 VP-7 A346 A346 B346 B396 192 AAA27 2700	11285 11300 ALP2 AFW1 AFV1 SFM1 G44 076BE3	housing removal)Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Inside BearingCover, Thrust BearingHousing, Thrust BearingKey, Worm ShaftKit, Retainer
3 4 5 6 7 8 9	VP-7 ⁻ VP-7 ⁻ A346 A346 B346 B396 192 AAA270 2700 AAA270	11285 11300 ALP2 AFW1 AFV1 6FM1 G44 076BE3 CAT1	housing removal)Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Inside BearingCover, Thrust BearingHousing, Thrust BearingKey, Worm ShaftKit, RetainerKit, Shim, Thrust Cover
3 4 5 6 7 8 9 10	VP-7 VP-7 A346 A346 B346 B396 192 AAA27 2700 AAA27 377	11285 11300 ALP2 AFW1 AFV1 SFM1 G44 076BE3 CAT1 076BE2	housing removal)Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Inside BearingCover, Thrust BearingHousing, Thrust BearingKey, Worm ShaftKit, RetainerKit, Shim, Thrust CoverKit, Thrust Housing Upgrade
3 4 5 6 7 8 9 10 11	VP-7 VP-7 A346 A346 B346 B396 192 AAA27 2700 AAA27 377 353	11285 11300 ALP2 AFW1 AFV1 6FM1 G44 076BE3 CAT1 076BE2 DF3	housing removal)Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Inside BearingCover, Thrust BearingHousing, Thrust BearingKey, Worm ShaftKit, RetainerKit, Shim, Thrust CoverKit, Thrust Housing UpgradePlug, Thrust Bearing Cover (1/2 NPT)
3 4 5 6 7 8 9 10 11 12	VP-7 ⁻ VP-7 ⁻ A346 A346 B346 B396 192 AAA270 2700 AAA270 377 353 124	11285 11300 ALP2 AFW1 AFV1 6FM1 G44 076BE3 CAT1 076BE2 DF3 W23	housing removal)Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Inside BearingCover, Thrust BearingHousing, Thrust BearingKey, Worm ShaftKit, RetainerKit, Shim, Thrust CoverKit, Thrust Housing UpgradePlug, Thrust Bearing Cover (1/2 NPT)Retainer, Thrust Bearing
3 4 5 6 7 8 9 10 11 12 13	VP-7 VP-7 A346 A346 B346 B396 192 AAA27 2700 AAA27 377 353 124 AAA3	11285 11300 ALP2 AFW1 AFV1 6FM1 G44 076BE3 CAT1 076BE2 DF3 W23 CN6	housing removal)Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)Bolt, 5/8 in. – 11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Inside BearingCover, Thrust BearingHousing, Thrust BearingKey, Worm ShaftKit, RetainerKit, Shim, Thrust CoverKit, Thrust Housing UpgradePlug, Thrust BearingRetainer, Thrust BearingScrew, Thrust Bearing Retainer

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22 CT Machine Worm Shaft Parts

	W/O VINTAGE (B7078A)	
REF. No.	PART No.	DESCRIPTION
1	72BV16	Nut, Bearing
	462EP3	Spacer, Thrust
2	10221 0	

NOTE: For use only when existing worm shaft is retained. When replacing worm and gear, use thrust retainer upgrade kit p/n AAA27076BE3 and sundries p/n AAA27076BE1. All other parts same as later vintage (C7078A).

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W/O VINTAGE	7, 9 8, 0 0, 0 12 2	6 11 1 1 10 3	
	REF. No.	PART No.	DESCRIPTION
REF. No. PART No. DESCRIPTION	1		
	2	209AB1	Bearing, Thrust
1 209AB1 Bearing, Thrust	2		
1 209AB1 Bearing, Thrust	3	BTFH 5/8X2	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)
1209AB1Bearing, Thrust2BTFH 5/8X2Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)		BTFH 5/8X2 A346AFV1	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher) Cover, Thrust Bearing
1 209AB1 Bearing, Thrust 2 BTFH 5/8X2 Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher) 3 A346AFV1 Cover, Thrust Bearing	4	BTFH 5/8X2 A346AFV1 376J53	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher) Cover, Thrust Bearing Gasket, Thrust Cover
1209AB1Bearing, Thrust2BTFH 5/8X2Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)3A346AFV1Cover, Thrust Bearing4376J53Gasket, Thrust Cover	4 5	BTFH 5/8X2 A346AFV1 376J53 376J51	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher) Cover, Thrust Bearing Gasket, Thrust Cover Gasket, Thrust Housing
1209AB1Bearing, Thrust2BTFH 5/8X2Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)3A346AFV1Cover, Thrust Bearing4376J53Gasket, Thrust Cover5376J51Gasket, Thrust Housing	4 5 6	BTFH 5/8X2 A346AFV1 376J53 376J51 A396FM1	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher) Cover, Thrust Bearing Gasket, Thrust Cover Gasket, Thrust Housing Housing, Thrust Bearing
1209AB1Bearing, Thrust2BTFH 5/8X2Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)3A346AFV1Cover, Thrust Bearing4376J53Gasket, Thrust Cover5376J51Gasket, Thrust Housing6A396FM1Housing, Thrust Bearing	4 5 6 7	BTFH 5/8X2 A346AFV1 376J53 376J51 A396FM1 2700CAT1	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher) Cover, Thrust Bearing Gasket, Thrust Cover Gasket, Thrust Housing Housing, Thrust Bearing Kit, Shim, Thrust Cover
1209AB1Bearing, Thrust2BTFH 5/8X2Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)3A346AFV1Cover, Thrust Bearing4376J53Gasket, Thrust Cover5376J51Gasket, Thrust Housing6A396FM1Housing, Thrust Bearing72700CAT1Kit, Shim, Thrust Cover	4 5 6 7 8	BTFH 5/8X2 A346AFV1 376J53 376J51 A396FM1 2700CAT1 377DF1	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)Cover, Thrust BearingGasket, Thrust CoverGasket, Thrust HousingHousing, Thrust BearingKit, Shim, Thrust CoverPlug, Thrust Bearing Cover (1/4 NPT)
1209AB1Bearing, Thrust2BTFH 5/8X2Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)3A346AFV1Cover, Thrust Bearing4376J53Gasket, Thrust Cover5376J51Gasket, Thrust Housing6A396FM1Housing, Thrust Bearing72700CAT1Kit, Shim, Thrust Cover8377DF1Plug, Thrust Bearing Cover (1/4 NPT)	4 5 6 7 8 9	BTFH 5/8X2 A346AFV1 376J53 376J51 A396FM1 2700CAT1 377DF1 353W12	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)Cover, Thrust BearingGasket, Thrust CoverGasket, Thrust HousingHousing, Thrust BearingKit, Shim, Thrust CoverPlug, Thrust Bearing Cover (1/4 NPT)Retainer, Thrust Bearing
1209AB1Bearing, Thrust2BTFH 5/8X2Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)3A346AFV1Cover, Thrust Bearing4376J53Gasket, Thrust Cover5376J51Gasket, Thrust Housing6A396FM1Housing, Thrust Bearing72700CAT1Kit, Shim, Thrust Cover8377DF1Plug, Thrust Bearing Cover (1/4 NPT)9353W12Retainer, Thrust Bearing10124CN3Screw, Thrust Bearing Retainer255HB81Shim, Thrust Cover 0.003 in, Thick	4 5 6 7 8 9 10	BTFH 5/8X2 A346AFV1 376J53 376J51 A396FM1 2700CAT1 377DF1 353W12 124CN3	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)Cover, Thrust BearingGasket, Thrust CoverGasket, Thrust HousingHousing, Thrust BearingKit, Shim, Thrust CoverPlug, Thrust Bearing Cover (1/4 NPT)Retainer, Thrust BearingScrew, Thrust Bearing Retainer
1209AB1Bearing, Thrust2BTFH 5/8X2Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)3A346AFV1Cover, Thrust Bearing4376J53Gasket, Thrust Cover5376J51Gasket, Thrust Housing6A396FM1Housing, Thrust Bearing72700CAT1Kit, Shim, Thrust Cover8377DF1Plug, Thrust Bearing Cover (1/4 NPT)9353W12Retainer, Thrust Bearing10124CN3Screw, Thrust Bearing Retainer	4 5 6 7 8 9 10	BTFH 5/8X2 A346AFV1 376J53 376J51 A396FM1 2700CAT1 377DF1 353W12 124CN3 255HB81	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)Cover, Thrust BearingGasket, Thrust CoverGasket, Thrust HousingHousing, Thrust BearingKit, Shim, Thrust CoverPlug, Thrust Bearing Cover (1/4 NPT)Retainer, Thrust BearingScrew, Thrust Bearing RetainerShim, Thrust Cover, 0.003 in. Thick

NOTE: For use only when existing worm shaft is retained. When replacing worm and gear, use thrust housing upgrade kit p/n AAA27076BE2 and sundries kit p/n AAA27076BE1.

(Continued on next page)

22 CT Machine Worm Shaft Parts

06-C7078A

22 CT Machine Worm Shaft Parts

	W/O VINTAGE (A7078A, A7078C)	
REF. No.		DESCRIPTION
	(A7078A, A7078C)	DESCRIPTION Bearing, Inside
REF. No.	(A7078A, A7078C) PART No.	
REF. No.	(A7078A, A7078C) PART No. 207Z56	Bearing, Inside
REF. No. 1 2	(A7078A, A7078C) PART No. 207Z56 VP-711285	Bearing, Inside Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)
REF. No. 1 2 3	(A7078A, A7078C) PART No. 207Z56 VP-711285 A346AFW1	Bearing, Inside Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing
REF. No. 1 2 3 4	(A7078A, A7078C) PART No. 207Z56 VP-711285 A346AFW1 255HB50	Bearing, Inside Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing Gasket, Inside Cover
REF. No. 1 2 3 4 5	(A7078A, A7078C) PART No. 207Z56 VP-711285 A346AFW1 255HB50 192G44	Bearing, InsideBolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)Cover, Inside BearingGasket, Inside CoverKey, Worm Shaft
REF. No. 1 2 3 4 5 6	(A7078A, A7078C) PART No. 207Z56 VP-711285 A346AFW1 255HB50 192G44 72BV11	Bearing, Inside Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing Gasket, Inside Cover Key, Worm Shaft Nut

NOTE: For use only when existing worm shaft is retained. When replacing worm and gear, use thrust housing upgrade kit p/n AAA27076BE2 and sundries kit p/n AAA27076BE1.

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22 CT Machine Worm Shaft Parts

06-C7078A

2		
	(7078A, 7078C)	
REF. No.		DESCRIPTION
REF. No.	(7078A, 7078C)	DESCRIPTION Bearing, Thrust, see NOTE 2
	(7078A, 7078C) PART No.	
1	(7078A, 7078C) PART No. (2) 209B31	Bearing, Thrust, see NOTE 2
1 2	(7078A, 7078C) PART No. (2) 209B31 VP-711300	Bearing, Thrust, see NOTE 2 Bolt, 5/8 in11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)
1 2 3	(7078A, 7078C) PART No. (2) 209B31 VP-711300 346AFV1	Bearing, Thrust, see NOTE 2 Bolt, 5/8 in11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Thrust Bearing, see NOTE 2
1 2 3 4	(7078A, 7078C) PART No. (2) 209B31 VP-711300 346AFV1 376J53	Bearing, Thrust, see NOTE 2 Bolt, 5/8 in11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Thrust Bearing, see NOTE 2 Gasket, Thrust Cover
1 2 3 4 5	(7078A, 7078C) PART No. (2) 209B31 VP-711300 346AFV1 376J53 376J51	Bearing, Thrust, see NOTE 2 Bolt, 5/8 in11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Thrust Bearing, see NOTE 2 Gasket, Thrust Cover Gasket, Thrust Housing
1 2 3 4 5 6	(7078A, 7078C) PART No. (2) 209B31 VP-711300 346AFV1 376J53 376J51 396FM1	Bearing, Thrust, see NOTE 2Bolt, 5/8 in11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Thrust Bearing, see NOTE 2Gasket, Thrust CoverGasket, Thrust HousingHousing, Thrust Bearing, see NOTE 2
1 2 3 4 5 6 7	(7078A, 7078C) PART No. (2) 209B31 VP-711300 346AFV1 376J53 376J51 396FM1 2700CAT1	Bearing, Thrust, see NOTE 2Bolt, 5/8 in11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Thrust Bearing, see NOTE 2Gasket, Thrust CoverGasket, Thrust HousingHousing, Thrust Bearing, see NOTE 2Kit, Shim, Thrust Cover
1 2 3 4 5 6 7 8	(7078A, 7078C) PART No. (2) 209B31 VP-711300 346AFV1 376J53 376J51 396FM1 2700CAT1 AAA27076BE4	Bearing, Thrust, see NOTE 2Bolt, 5/8 in11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Thrust Bearing, see NOTE 2Gasket, Thrust CoverGasket, Thrust HousingHousing, Thrust Bearing, see NOTE 2Kit, Shim, Thrust CoverKit, Shim, Thrust CoverKit, Thrust Bearing and Housing Upgrade, see NOTE 1
1 2 3 4 5 6 7 8 9 9	(7078A, 7078C) PART No. (2) 209B31 VP-711300 346AFV1 376J53 376J51 396FM1 2700CAT1 AAA27076BE4 353W12 58AD30	Bearing, Thrust, see NOTE 2Bolt, 5/8 in11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Thrust Bearing, see NOTE 2Gasket, Thrust CoverGasket, Thrust HousingHousing, Thrust Bearing, see NOTE 2Kit, Shim, Thrust CoverKit, Shim, Thrust CoverKit, Thrust Bearing and Housing Upgrade, see NOTE 1Retainer, Thrust Bearing, see NOTE 1
1 2 3 4 5 6 7 8 9	(7078A, 7078C) PART No. (2) 209B31 VP-711300 346AFV1 376J53 376J51 396FM1 2700CAT1 AAA27076BE4 353W12 58AD30 124CN3	Bearing, Thrust, see NOTE 2Bolt, 5/8 in11 x 2-1/2 in., Zinc Plated, Grade 5 (or higher)Cover, Thrust Bearing, see NOTE 2Gasket, Thrust CoverGasket, Thrust HousingHousing, Thrust Bearing, see NOTE 2Kit, Shim, Thrust CoverKit, Shim, Thrust CoverKit, Thrust Bearing and Housing Upgrade, see NOTE 1Retainer, Thrust Bearing, see NOTE 1Screw, Thrust Bearing Retainer, See NOTE 1

NOTE 1: For use only when existing worm shaft is retained. When replacing worm and gear, use thrust housing upgrade kit p/n AAA27076BE2 and sundries kit p/n AAA27076BE1.

NOTE 2: No longer available. For first replacement, use thrust bearing and housing upgrade kit p/n AAA27076BE4. For subsequent replacement, use parts per newer vintage (A7078A, A7078C).

(Continued on next page)



22 CT Machine Worm Shaft Parts

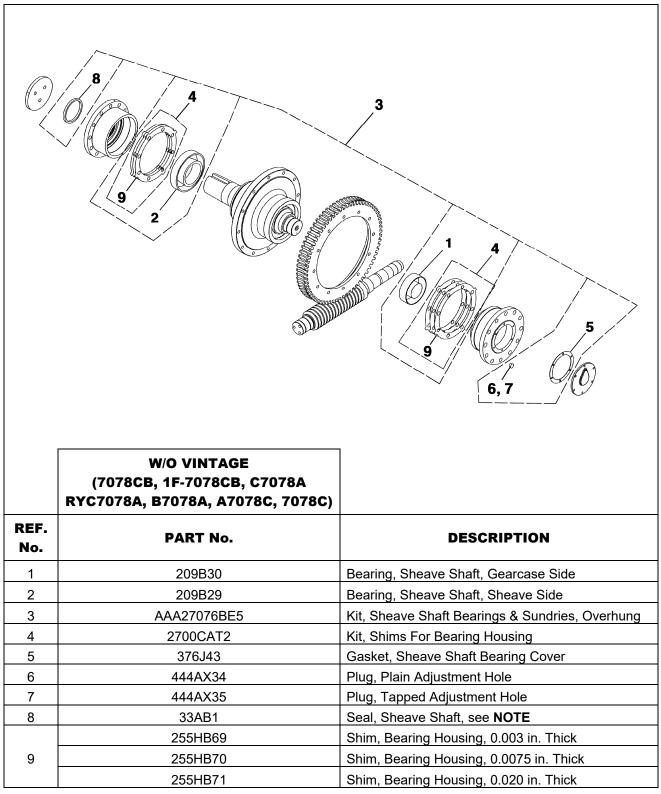
	WOVINTAGE	
	(7078A, 7078C)	DESCRIPTION
REF. No.	(7078A, 7078C) PART No.	DESCRIPTION
1	(7078A, 7078C) PART No. 207Z56	Bearing, Inside
1 2	(7078A, 7078C) PART No. 207Z56 VP-711285	
1 2 3	(7078A, 7078C) PART No. 207Z56 VP-711285 346AFW1	Bearing, Inside
1 2 3 4	(7078A, 7078C) PART No. 207Z56 VP-711285 346AFW1 A346AFW1	Bearing, Inside Bolt, 3/8 in16 x 1 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing, see NOTE
1 2 3	(7078A, 7078C) PART No. 207Z56 VP-711285 346AFW1 A346AFW1 255HB50	Bearing, Inside Bolt, 3/8 in16 x 1 in., Zinc Plated, Grade 5 (or higher)
1 2 3 4	(7078A, 7078C) PART No. 207Z56 VP-711285 346AFW1 A346AFW1 255HB50 192D70	Bearing, Inside Bolt, 3/8 in16 x 1 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing, see NOTE
1 2 3 4 5 6	(7078A, 7078C) PART No. 207Z56 VP-711285 346AFW1 A346AFW1 255HB50 192D70 192G44	Bearing, Inside Bolt, 3/8 in16 x 1 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing, see NOTE Gasket, Inside Cover Key, Worm Shaft
1 2 3 4 5	(7078A, 7078C) PART No. 207Z56 VP-711285 346AFW1 A346AFW1 255HB50 192D70	Bearing, Inside Bolt, 3/8 in16 x 1 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing, see NOTE Gasket, Inside Cover
1 2 3 4 5 6 7	(7078A, 7078C) PART No. 207Z56 VP-711285 346AFW1 A346AFW1 255HB50 192D70 192G44 72BV11 33P2	Bearing, Inside Bolt, 3/8 in16 x 1 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing, see NOTE Gasket, Inside Cover Key, Worm Shaft Nut Seal, Split, Worm Shaft, Ø 3-1/4 in., ₩→ p/n 346AFW1 Cover
1 2 3 4 5 6 7 8	(7078A, 7078C) PART No. 207Z56 VP-711285 346AFW1 A346AFW1 255HB50 192G44 72BV11 33P2 AAA33AQ5	Bearing, Inside Bolt, 3/8 in16 x 1 in., Zinc Plated, Grade 5 (or higher) Cover, Inside Bearing, see NOTE Gasket, Inside Cover Key, Worm Shaft Nut

NOTE: p/n 346AFW1 cover is no longer available. For replacement, use housing p/n A346AFW1 and seal AAA33AQ3.

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06-C7078A

Overhung Drive Sheave



NOTE: Not used on all machines.

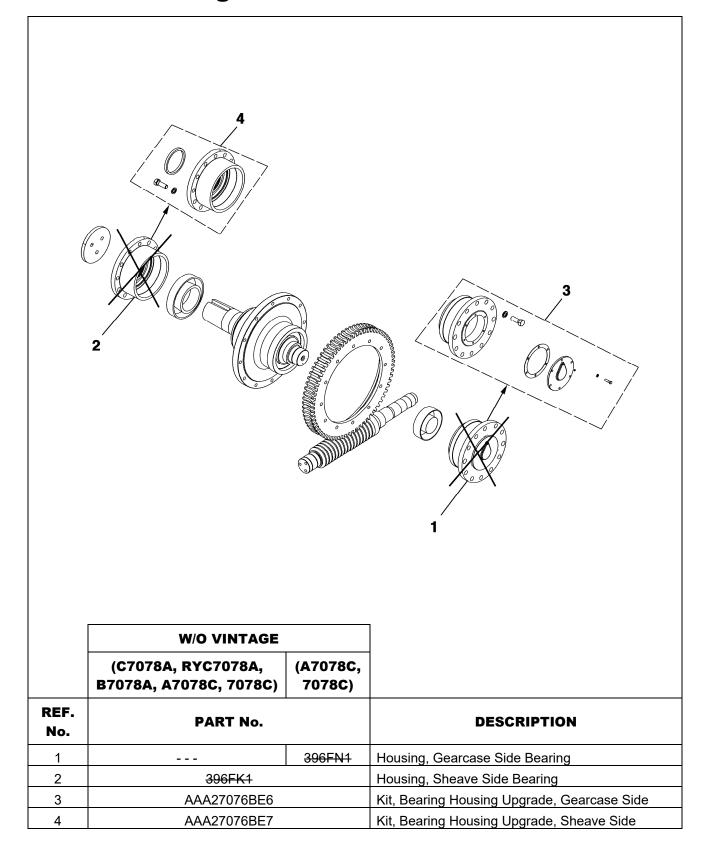


Overhung Drive Sheave

8 () () () () () () () () () () () () ()		$\frac{1}{2}$
	W/O VINTAGE	2 12 2
	W/O VINTAGE (7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C)	2 12
REF. No.	(7078CB, 1F-7078CB, C7078A,	DESCRIPTION
	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C)	
No.	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C) PART No.	DESCRIPTION
No. 1	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C) PART No. BTFH 3/8X1-1/2F	DESCRIPTION Bolt, 3/8 in. – 16 x 1-1/2 in., Zinc Plated, Grade 5 (or higher)
No. 1 2	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C) PART No. BTFH 3/8X1-1/2F 346AJF1	DESCRIPTION Bolt, 3/8 in. – 16 x 1-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Gearcase Side Bearing
No. 1 2 3	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C) PART No. BTFH 3/8X1-1/2F 346AJF1 396GV1	DESCRIPTION Bolt, 3/8 in. – 16 x 1-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Gearcase Side Bearing Housing, Gearcase Side Bearing
No. 1 2 3 4	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C) PART No. BTFH 3/8X1-1/2F 346AJF1 396GV1 396KL1	DESCRIPTION Bolt, 3/8 in. – 16 x 1-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Gearcase Side Bearing Housing, Gearcase Side Bearing Housing, Sheave Side Bearing
No. 1 2 3 4 5	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C) PART No. BTFH 3/8X1-1/2F 346AJF1 396GV1 396KL1 377DF13	DESCRIPTION Bolt, 3/8 in. – 16 x 1-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Gearcase Side Bearing Housing, Gearcase Side Bearing Housing, Sheave Side Bearing Plug, Grease
No. 1 2 3 4 5 6	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C) PART No. BTFH 3/8X1-1/2F 346AJF1 396GV1 396KL1 377DF13 353W9	DESCRIPTION Bolt, 3/8 in. – 16 x 1-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Gearcase Side Bearing Housing, Gearcase Side Bearing Housing, Sheave Side Bearing Plug, Grease Retainer, Sheave
No. 1 2 3 4 5 6 7	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C) PART No. BTFH 3/8X1-1/2F 346AJF1 396GV1 396KL1 377DF13 353W9 SCCP HS0C 5/8-11X2	DESCRIPTION Bolt, 3/8 in. – 16 x 1-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Gearcase Side Bearing Housing, Gearcase Side Bearing Housing, Sheave Side Bearing Plug, Grease Retainer, Sheave Screw, 5/8 in. – 11 x 2 in. Flanged Socket Hex Head Cap
No. 1 2 3 4 5 6 7 8	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C) PART No. BTFH 3/8X1-1/2F 346AJF1 396GV1 396GV1 396KL1 377DF13 353W9 SCCP HS0C 5/8-11X2 124CN5	DESCRIPTION Bolt, 3/8 in. – 16 x 1-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Gearcase Side Bearing Housing, Gearcase Side Bearing Housing, Sheave Side Bearing Plug, Grease Retainer, Sheave Screw, 5/8 in. – 11 x 2 in. Flanged Socket Hex Head Cap Screw, Sheave Retainer
No. 1 2 3 4 5 6 7 8 9	(7078CB, 1F-7078CB, C7078A, RYC7078A, B7078A, A7078C) PART No. BTFH 3/8X1-1/2F 346AJF1 396GV1 396KL1 377DF13 353W9 SCCP HS0C 5/8-11X2 124CN5 500AV2	DESCRIPTION Bolt, 3/8 in. – 16 x 1-1/2 in., Zinc Plated, Grade 5 (or higher) Cover, Gearcase Side Bearing Housing, Gearcase Side Bearing Housing, Sheave Side Bearing Plug, Grease Retainer, Sheave Screw, 5/8 in. – 11 x 2 in. Flanged Socket Hex Head Cap Screw, Sheave Retainer Sheave Shaft

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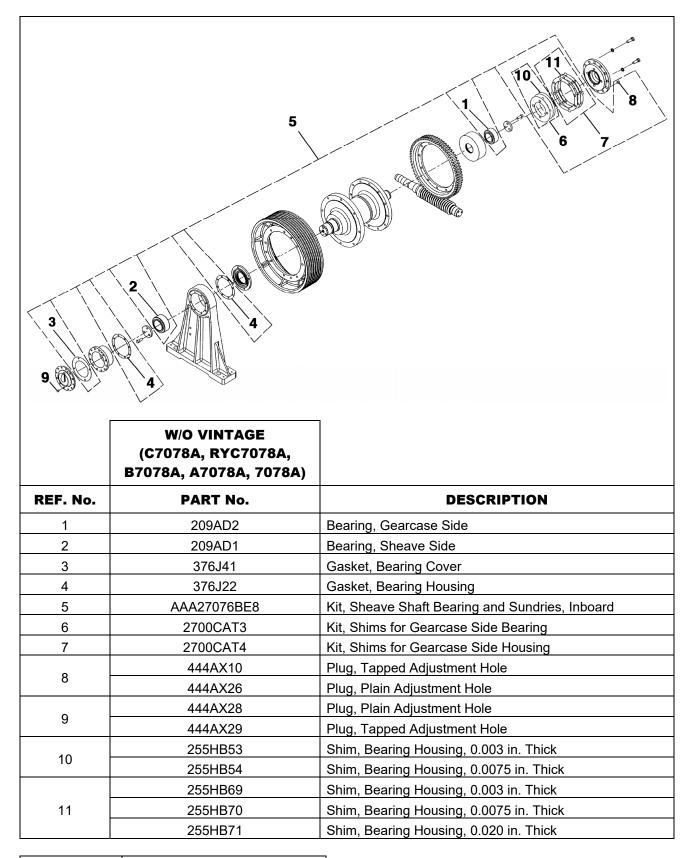
Overhung Drive Sheave



06-C7078A



Inboard Drive Sheave

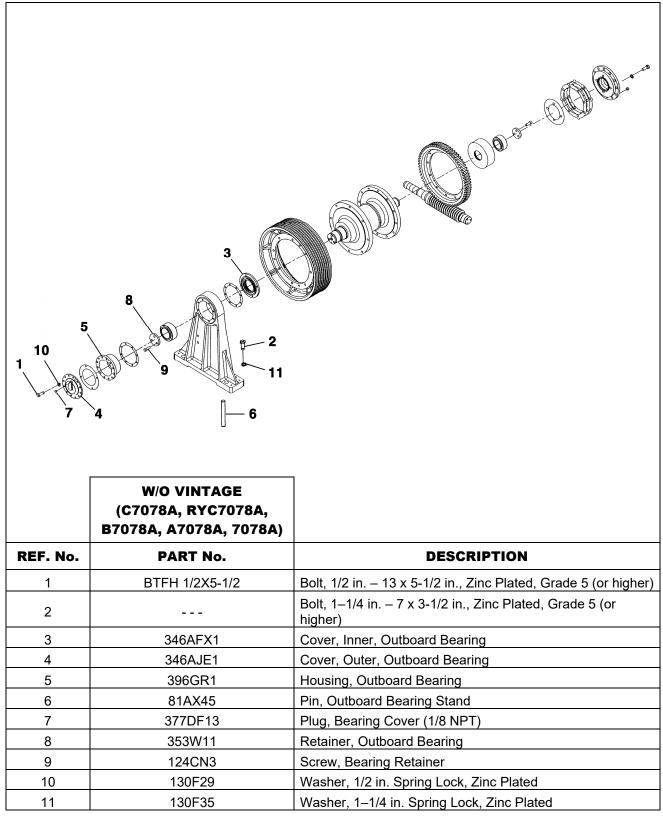


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Unpublished Work-Otis Elevator Co., 2009

06-C7078A

Inboard Drive Sheave



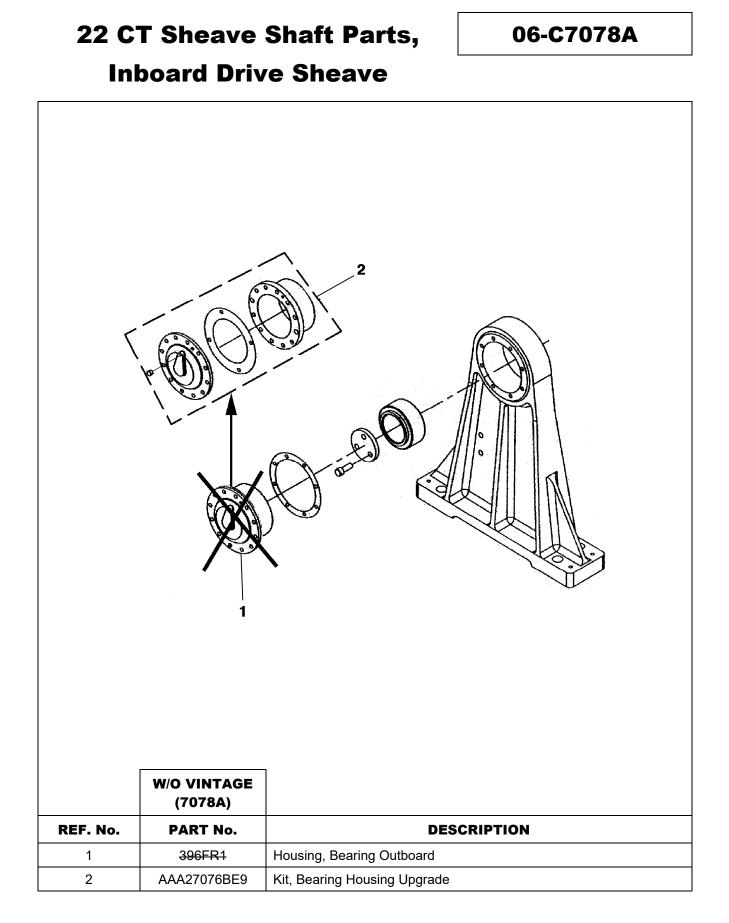
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Inboard Drive Sheave

-OOA	V/O VINTAGE (C7078A, RYC7078A, B7078A, A7078A, 7078A, 7078A)	
REF. No.	PART No.	DESCRIPTION
1		Bolt, 3/4 in. – 10 x 3–1/2 in., Zinc Plated, Grade 5 (or higher)
2	BTFH 5/8X2	Bolt, 5/8 in. – 11 x 2 in., Zinc Plated, Grade 5 (or higher)
3	BTFH 5/8X2-3/4	Bolt, 5/8 in. – 11 x 2–3/4 in., Zinc Plated, Grade 5 (or higher)
4	346AFY1	Cover, Gearcase Side Bearing
5	396FS1	Housing, Gearcase Side Bearing
6	NUT FH3/4-10	Nut, 3/4 in. – 10, Zinc Plated
7	377DF13	Plug, Bearing Cover
8	353W10	Retainer, Gearcase Side Bearing
9	124CN3	Screw, Bearing Retainer
10	1	
	500AT2	Sheave Shaft
11	500AT2 130F30	Sheave Shaft Washer, 5/8 in. Spring Lock, Zinc Plated

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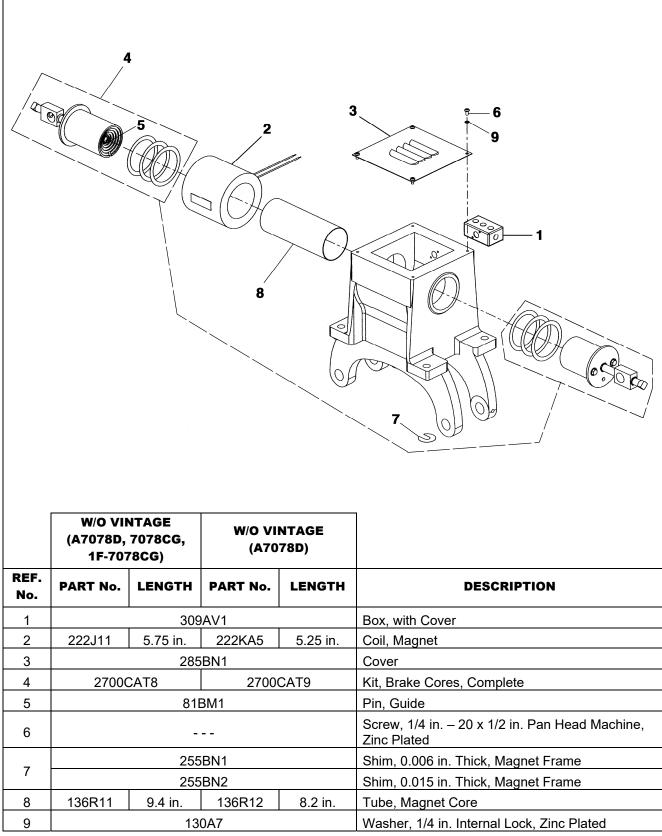


22 CT Brake Arms

WO VINTAGE				
	W/O VINTAGE (A7078D, 7078D, 7078CG)			
REF. No.	PART No.	DESCRIPTION		
1	286AS2	Arm, Brake, Complete		
2	209A6	Bearing, Length = 1/2 in.		
3	209A3	Bearing, Length = 1 in.		
4	AAA124FH1	Bolt & Nut, Brake Lining		
5	2700CAT6	Kit, Brake Lining		
6	2700CAT5	Kit, Brake Spring & Rod		
7	416AP1	Lining, Brake		
8	NUT FHJ5/8	Nut, Jam, 5/8 in. – 11, Zinc Plated		
9		Pin, Cotter, 1/8 in. x 1–1/4 in.		
10	82R13	Pin, Length = 3.062 in.		
11	81CC1	Pin, Length = 4.875 in.		
12	145C2	Rivet, Brake Lining		
13	60D51 60D49	Rod		
14		Screw, Set, 3/8 in. – 16 x 5/8 in. Hex Socket, Half Dog Point		
15	90XC10	Spring, Length = 5.0 in.		
	90BD2	Spring, Length = 5.875 in.		
16	133AH1	Washer		

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Unpublished Work-Otis Elevator Co., 2009



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22 CT Brake Magnet

	8			3	
					•
	W/O VII (A7078D, 1F-707	7078CG,	W/O VI (A70	NTAGE 78D)	
REF. No.	(A7078D,	7078CG,			DESCRIPTION
	(A7078D, 1F-707	7078CG, 78CG) Length	(A70	78D)	Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or
No. 1	(A7078D, 1F-707	7078CG, 78CG) Length	(A70 PART No.	78D)	
No.	(A7078D, 1F-707 PART No.	7078CG, 78CG) LENGTH VP-7	(A70 PART No. 11285	78D) LENGTH	Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)
No. 1	(A7078D, 1F-707 PART No. 400DJ1	7078CG, 78CG) LENGTH VP-7 5.1 in. 5.1 in.	(A70 PART No. 11285 400DP1 400DN1	78D) LENGTH 4.4 in.	Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Core, Female
No. 1 2	(A7078D, 1F-707 PART No. 400DJ1 400DH1	7078CG, 78CG) LENGTH VP-7 5.1 in. 5.1 in. BB3	(A70 PART No. 11285 400DP1 400DN1 353	78D) LENGTH 4.4 in. 4.4 in.	Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Core, Female Core, Male
No. 1 2 3 4	(A7078D, 1F-707 PART No. 400DJ1 400DH1 353E	7078CG, 78CG) LENGTH VP-7 5.1 in. 5.1 in. BB3 GA4	(A70 PART No. 11285 400DP1 400DN1 353 650	78D) LENGTH 4.4 in. 4.4 in. BB2 GA5	Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Core, Female Core, Male Disk, Brake Core Eye Bolt Nut, 5/8 in. – 18 Jam, Zinc Plated
No. 1 2 3 4 5	(A7078D, 1F-707 PART No. 400DJ1 400DH1 3538 650	7078CG, 78CG) LENGTH VP-7 5.1 in. 5.1 in. BB3 GA4 scription	(A70 PART No. 11285 400DP1 400DN1 353 650	78D) LENGTH 4.4 in. 4.4 in. BB2 GA5	Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Core, Female Core, Male Disk, Brake Core Eye Bolt Nut, 5/8 in. – 18 Jam, Zinc Plated Nut, 3/4 in. – 16 Jam, Zinc Plated
No. 1 2 3 4	(A7078D, 1F-707 PART No. 400DJ1 400DH1 353E 65G See Des	7078CG, 78CG) LENGTH VP-7 5.1 in. 5.1 in. BB3 6A4 scription	(A70 PART No. 11285 400DP1 400DN1 353 650	78D) LENGTH 4.4 in. 4.4 in. BB2 GA5	Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Core, Female Core, Male Disk, Brake Core Eye Bolt Nut, 5/8 in. – 18 Jam, Zinc Plated Nut, 3/4 in. – 16 Jam, Zinc Plated
No. 1 2 3 4 5	(A7078D, 1F-707 PART No. 400DJ1 400DH1 353E 65G See Des	7078CG, 78CG) LENGTH VP-7 5.1 in. 5.1 in. BB3 6A4 scription	(A70 PART No. 11285 400DP1 400DN1 353 650 	78D) LENGTH 4.4 in. 4.4 in. BB2 GA5	Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher) Core, Female Core, Male Disk, Brake Core Eye Bolt Nut, 5/8 in. – 18 Jam, Zinc Plated Nut, 3/4 in. – 16 Jam, Zinc Plated
No. 1 2 3 4 5 6	(A7078D, 1F-707 PART No. 400DJ1 400DH1 353E 65G See Des	7078CG, 78CG) LENGTH VP-7 5.1 in. 5.1 in. BB3 GA4 scription -	(A70 PART No. 11285 400DP1 400DN1 353 650 See Des 	78D) LENGTH 4.4 in. 4.4 in. BB2 GA5	Bolt, 3/8 in. – 16 x 1 in., Zinc Plated, Grade 5 (or higher)Core, FemaleCore, MaleDisk, Brake CoreEye BoltNut, 5/8 in. – 18 Jam, Zinc PlatedNut, 3/4 in. – 16 Jam, Zinc PlatedNut, 3/4 in. – 16 Jam, Zinc PlatedSet Screw, 3/4 in. – 16 x 2 in. Square Head Half

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	22CT Brak	06-C7078A	
	W/O VINTAGE		
REF. No.	PART No.	DESC	RIPTION
1	A288RL2	Arm	
2	335E104	Bushing	
3	2700ADE7	Kit, Brake Switch, Complete	
4	81AX24	Pin	
5	177Y1 AAA635L1	Switch	



Type A7078B and 7078B Brake Coupling Assembly

		T T C C C C C C C C C C C C C	
	W/O		
	VINTAGE		
REF. No.	PART No.	DESCRIPTION	"T" (in.)
		DESCRIPTION Coupling, Brake, Complete, Light Drum, 0.5 in. Motor Shaft Keyway	-
No.	PART No.	Coupling, Brake, Complete, Light Drum, 0.5 in. Motor Shaft	(in.)
	PART No. 7078B1	Coupling, Brake, Complete, Light Drum, 0.5 in. Motor Shaft Keyway Coupling, Brake, Complete, Heavy Drum, 0.5 in. Motor Shaft	(in.) 0.5
No.	PART No. 7078B1 7078B2	Coupling, Brake, Complete, Light Drum, 0.5 in. Motor Shaft Keyway Coupling, Brake, Complete, Heavy Drum, 0.5 in. Motor Shaft Keyway Coupling, Brake, Complete, Light Drum, 0.625 in. Motor Shaft	(in.) 0.5 1
No.	PART No. 7078B1 7078B2 7078B3	Coupling, Brake, Complete, Light Drum, 0.5 in. Motor Shaft Keyway Coupling, Brake, Complete, Heavy Drum, 0.5 in. Motor Shaft Keyway Coupling, Brake, Complete, Light Drum, 0.625 in. Motor Shaft Keyway Coupling, Brake, Complete, Heavy Drum, 0.625 in. Motor Shaft	(in.) 0.5 1 0.5
No.	PART No. 7078B1 7078B2 7078B3 7078B4	Coupling, Brake, Complete, Light Drum, 0.5 in. Motor Shaft KeywayCoupling, Brake, Complete, Heavy Drum, 0.5 in. Motor Shaft KeywayCoupling, Brake, Complete, Light Drum, 0.625 in. Motor Shaft KeywayCoupling, Brake, Complete, Heavy Drum, 0.625 in. Motor Shaft Keyway	(in.) 0.5 1 0.5
No.	PART No. 7078B1 7078B2 7078B3 7078B4 321CJ3	Coupling, Brake, Complete, Light Drum, 0.5 in. Motor Shaft KeywayCoupling, Brake, Complete, Heavy Drum, 0.5 in. Motor Shaft KeywayCoupling, Brake, Complete, Light Drum, 0.625 in. Motor Shaft KeywayCoupling, Brake, Complete, Heavy Drum, 0.625 in. Motor Shaft KeywayBushing, Brass Center	(in.) 0.5 1 0.5
No. 1	PART No. 7078B1 7078B2 7078B3 7078B4 321CJ3 AAA65KN2	Coupling, Brake, Complete, Light Drum, 0.5 in. Motor Shaft Keyway Coupling, Brake, Complete, Heavy Drum, 0.5 in. Motor Shaft Keyway Coupling, Brake, Complete, Light Drum, 0.625 in. Motor Shaft Keyway Coupling, Brake, Complete, Light Drum, 0.625 in. Motor Shaft Keyway Bushing, Brake, Complete, Heavy Drum, 0.625 in. Motor Shaft Keyway Bushing, Brass Center Bushing Bolt	(in.) 0.5 1 0.5

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Type A7078B and 7078B

06-C7078A

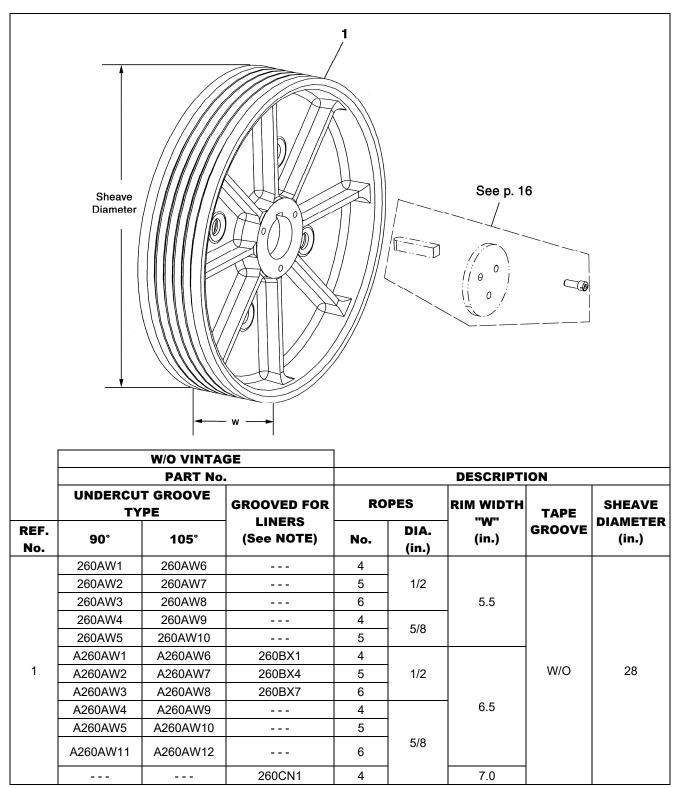
Brake Coupling Assembly

	For bush	ing replacement procedure, see TIP 6.2.0-21.		
	2			
REF. No.	W/O VINTAGE PART No.	DESCRIPTION	"T" (in.)	
	A7078B1	Coupling, Brake, Complete, Light Drum, 0.5 in. Motor Shaft Keyway	0.5	
	A7078B5 A7078B2 A7078B6	Coupling, Brake, Complete, Heavy Drum, 0.5 in. Motor Shaft Keyway	1	
1	A7078B3 A7078B3 A7078B7	Coupling, Brake, Complete, Light Drum, 0.625 in. Motor Shaft Keyway		
	A7078B4 A7078B8	Coupling, Brake, Complete, Heavy Drum, 0.625 in. Motor Shaft Keyway	1	
	A215AV2 A215AV1	Coupling, Female (Brake Drum), 10 in. Inside Diameter	1	
2	A215AT2 A215AT1	Coupling, Female (Brake Drum), 11 in. Inside Diameter	0.5	
_	A215AS2 A215AS5	Coupling, Male (Motor Coupling), 0.5 in. Keyway w/Bushing Bolts		
3	A215AS4 A215AS6	Coupling, Male (Motor Coupling), 0.625 in. Keyway w/Bushing Bolts		
4	4 56C5	Bushing, Phenolic Center		
4	AAA65KN4	Bushing Bolt		
	72BV7	Nut (for Motor Shaft with 0.5 in. Keyway), See NOTE		
5	72BV11	Nut (for Motor Shaft with 0.625 in. Keyway), See NOTE		
5	72FJ4	Nut, Metric (for Motor Shaft with 0.5 in. Keyway), See NOTE		
	72FJ5	Nut, Metric (for Motor Shaft with 0.625 in. Keyway), See NOTE		
6	78FA41	Pin		
	130AA10	Washer, Tabbed (for Motor Shaft with 0.5 in. Keyway), See NOTE		
7	130AA11	Washer, Tabbed (for Motor Shaft with 0.625 in. Keyway), See NOTE		
1	130AT4	Washer, Metric Tabbed (for Motor Shaft with 0.5 in. Keyway), See NOTE		
	130AT5	Washer, Metric Tabbed (for Motor Shaft with 0.625 in. Keyway), See NO		

NOTE: This hardware is only for use with original equipment motors. For Mod motors, see motor SPL for appropriate parts.



Overhung Drive Sheave 28 in. Diameter



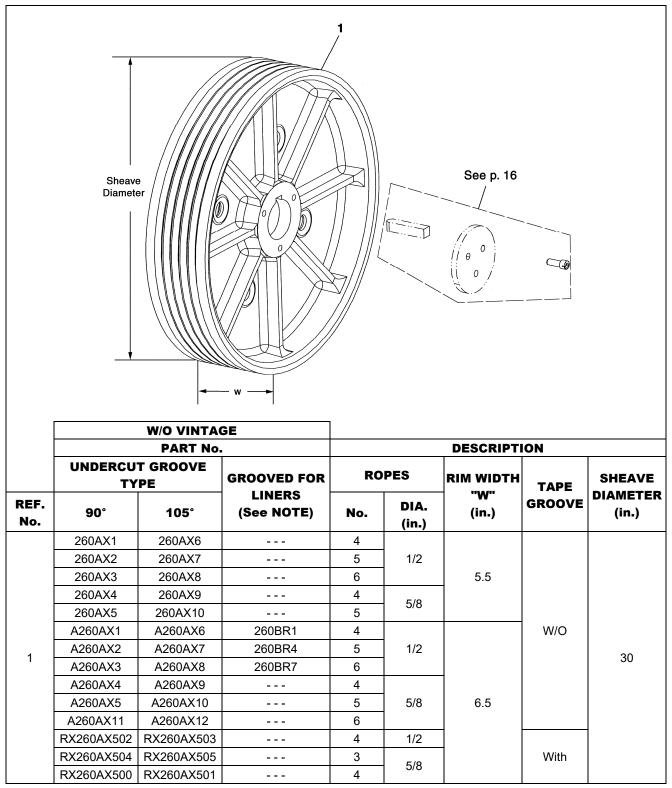
NOTE: Order sheave liners separately. See p. 31 for part numbers.

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Overhung Drive Sheave

30 in. Diameter

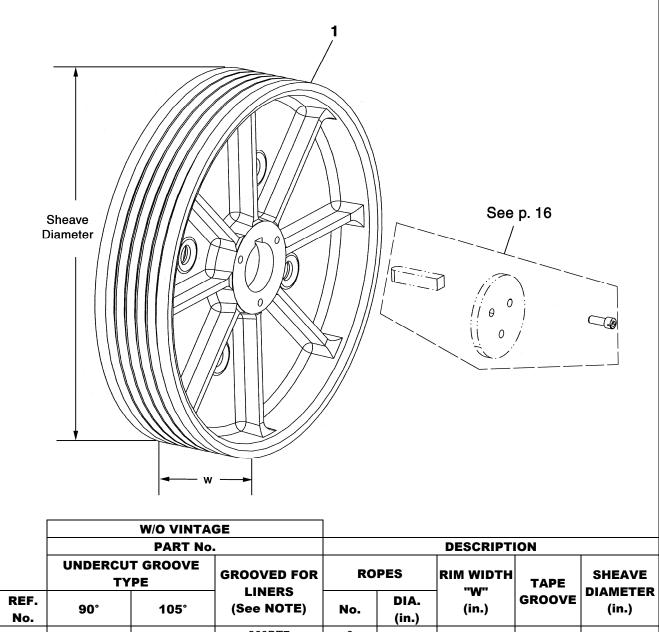


NOTE: Order sheave liners separately. See p. 31 for part numbers.

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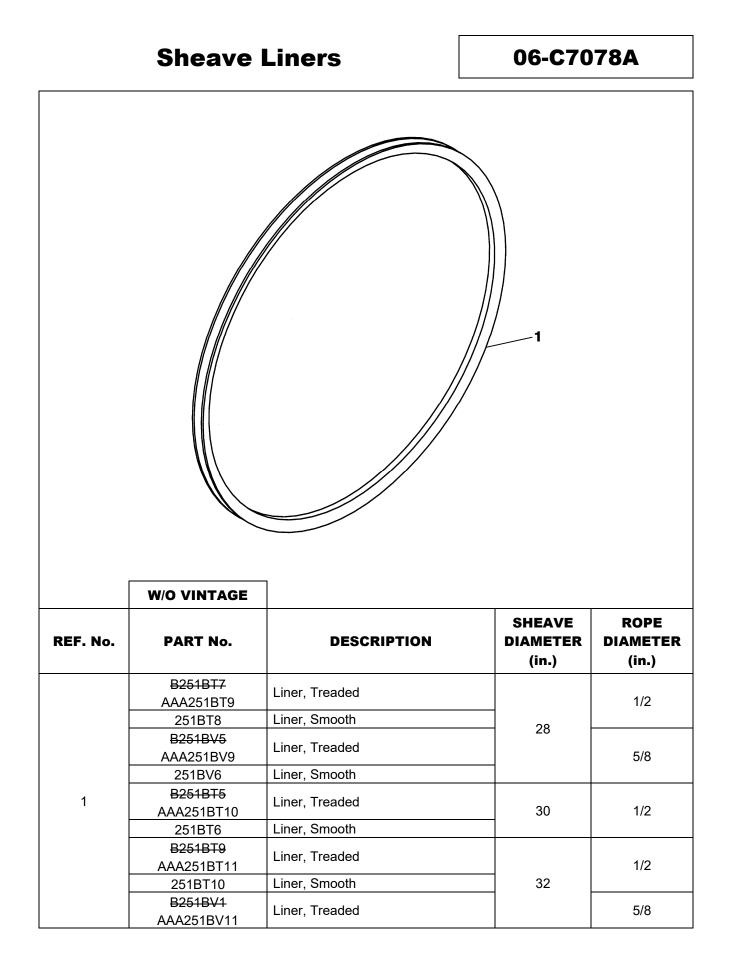
Overhung Drive Sheave 32 in. Diameter



REF. No.	90°	105°	(See NOTE)	No.	DIA. (in.)	(in.)	GROOVE	(in.)
			260BT7	3				
	260BL1	260BL6	260BT1	4	1/2			
	260BL2	260BL7	260BT4	5	1/2		W/O	
	260BL3	260BL8		6		5.5	VV/O	
1	260BL4	260BL9		4				32
	260BL5	260BL10		5				
	RX260BL500	RX260BL501		3	5/8		With	
			1-260BL1	4		6.0	W/O	
			1-260BL3	5]	0.0	VV/O	

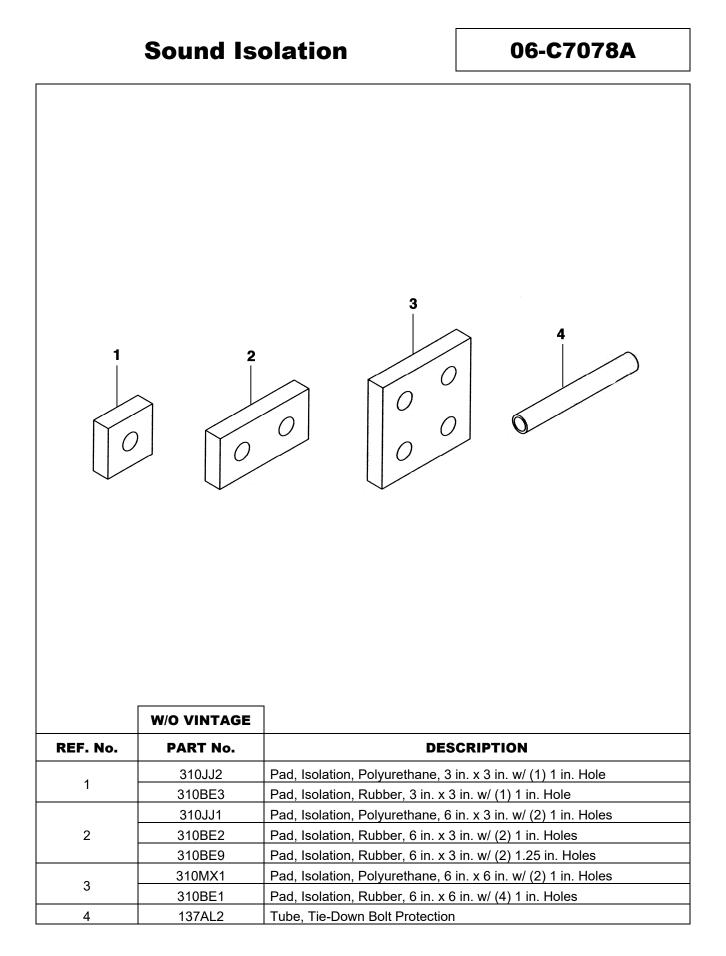
NOTE: Order sheave liners separately. See p. 31 for part numbers.

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<u> </u>	6-C7078	A I	Inboar	d Drive S	heave Parts
					See p. 20
	W/O VI	NTAGE			
		NTAGE			
	PART N		F	ROPES	
REF. No.	PART N UNDERCUT G	IUMBER GROOVE TYPE	F No.	DIAMETER	SHEAVE DIAMETER (in.)
REF. No.	PART N UNDERCUT G	IUMBER BROOVE TYPE 105°			SHEAVE DIAMETER (in.)
REF. No.	PART N UNDERCUT G 90°	IUMBER GROOVE TYPE	No.	DIAMETER	
REF. No.	PART N UNDERCUT O 90° 260AY1	IUMBER BROOVE TYPE 105° 260AY8	No. 4	DIAMETER (in.)	
REF. No.	PART N UNDERCUT G 90° 260AY1 260AY2	IUMBER ROOVE TYPE 105° 260AY8 260AY9	No. 4 5	DIAMETER (in.)	
REF. No.	PART N UNDERCUT 0 90° 260AY1 260AY2 260AY3	IUMBER ROOVE TYPE 105° 260AY8 260AY9 260AY10	No. 4 5 6	DIAMETER (in.) 1/2	(in.)
REF. No.	PART N UNDERCUT 0 90° 260AY1 260AY2 260AY3 260AY4	IUMBER ROOVE TYPE 105° 260AY8 260AY9 260AY10 260AY11	No. 4 5 6 4	DIAMETER (in.)	(in.)
	PART N UNDERCUT G 90° 260AY1 260AY2 260AY3 260AY4 260AY5	IUMBER ROOVE TYPE 105° 260AY8 260AY9 260AY10 260AY11 260AY12	No. 4 5 6 4 5 5	DIAMETER (in.) 1/2	(in.)
REF. No.	PART N UNDERCUT 0 90° 260AY1 260AY2 260AY3 260AY3 260AY4 260AY5 260AY6	IUMBER ROOVE TYPE 105° 260AY8 260AY9 260AY10 260AY11 260AY12 260AY13	No. 4 5 6 4 5 6	DIAMETER (in.) 1/2	(in.)
	PART N UNDERCUT 0 90° 260AY1 260AY2 260AY3 260AY3 260AY4 260AY5 260AY6 260AY7	IUMBER ROOVE TYPE 105° 260AY8 260AY9 260AY10 260AY11 260AY12 260AY13 260AY14	No. 4 5 6 4 5 6 7	DIAMETER (in.) 1/2	(in.)
	PART N UNDERCUT G 90° 260AY1 260AY2 260AY3 260AY3 260AY4 260AY5 260AY6 260BA1	IOMBER ROOVE TYPE 105° 260AY8 260AY9 260AY10 260AY11 260AY12 260AY13 260AY14 260BA8	No. 4 5 6 4 5 6 7 4	DIAMETER (in.) 1/2 5/8	(in.)
	PART N UNDERCUT 0 90° 260AY1 260AY2 260AY3 260AY3 260AY4 260AY5 260AY6 260AY7 260BA1 260BA2	IUMBER ROOVE TYPE 105° 260AY8 260AY9 260AY10 260AY11 260AY12 260AY13 260AY14 260BA8 260BA9	No. 4 5 6 4 5 6 7 4 5 5	DIAMETER (in.) 1/2 5/8	(in.)
	PART N UNDERCUT G 90° 260AY1 260AY2 260AY3 260AY4 260AY5 260AY6 260BA1 260BA3	IUMBER ROOVE TYPE 105° 260AY8 260AY9 260AY10 260AY11 260AY12 260AY13 260AY14 260BA8 260BA10	No. 4 5 6 4 5 6 7 4 5 6	DIAMETER (in.) 1/2 5/8 1/2	(in.) 28
	PART N UNDERCUT G 90° 260AY1 260AY2 260AY3 260AY3 260AY4 260AY5 260AY6 260BA1 260BA3 260BA4	IUMBER ROOVE TYPE 105° 260AY8 260AY9 260AY10 260AY11 260AY12 260AY13 260AY14 260BA8 260BA10 260BA11	No. 4 5 6 4 5 6 7 4 5 6 4 5 6 4	DIAMETER (in.) 1/2 5/8	(in.) 28

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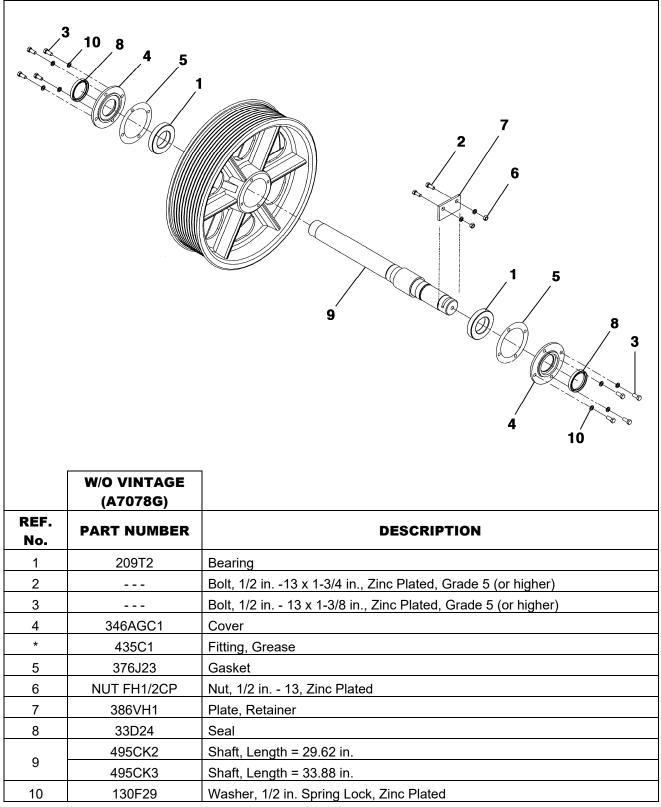
				_	
	W/O VINTAGE (A7078G)	RC)PES		
REF. No.		RC No.	OPES SIZE (in.)	DE	ESCRIPTION
	(A7078G)		SIZE	DE	ESCRIPTION
	(A7078G) PART NUMBER	No.	SIZE	DE	ESCRIPTION
	(A7078G) PART NUMBER 263BB1	No.	SIZE (in.)		ESCRIPTION
	(A7078G) PART NUMBER 263BB1 263BB2	No. 4 5	SIZE (in.)	Use where Drive Sheave has	ESCRIPTION
	(A7078G) PART NUMBER 263BB1 263BB2 263BB3	No. 4 5 6	SIZE (in.) 1/2	Use where Drive	
No.	(A7078G) PART NUMBER 263BB1 263BB2 263BB3 263BB4	No. 4 5 6 4	SIZE (in.)	Use where Drive Sheave has	Sheave, Deflector, 28 in.
	(A7078G) PART NUMBER 263BB1 263BB2 263BB3 263BB4 263BB5	No. 4 5 6 4 5 5	SIZE (in.) 1/2	Use where Drive Sheave has	
No.	(A7078G) PART NUMBER 263BB1 263BB2 263BB3 263BB4 263BB5 263BB5 263BB6 263BB7	No. 4 5 6 4 5 6 6	SIZE (in.) 1/2	Use where Drive Sheave has	Sheave, Deflector, 28 in.
No.	(A7078G) PART NUMBER 263BB1 263BB2 263BB3 263BB4 263BB5 263BB6	No. 4 5 6 4 5 6 7	SIZE (in.) 1/2	Use where Drive Sheave has Undercut Grooves	Sheave, Deflector, 28 in.
No.	(A7078G) PART NUMBER 263BB1 263BB2 263BB3 263BB3 263BB4 263BB5 263BB5 263BB7 263BB7 263BB8 263BB9	No. 4 5 6 4 5 6 7 4	SIZE (in.) 1/2 5/8	Use where Drive Sheave has Undercut Grooves Use where Drive Sheave has Sheave	Sheave, Deflector, 28 in.
No.	(A7078G) PART NUMBER 263BB1 263BB2 263BB3 263BB3 263BB4 263BB5 263BB5 263BB7 263BB8	No. 4 5 6 4 5 6 7 4 5 5 5 5 7 4 5	SIZE (in.) 1/2 5/8	Use where Drive Sheave has Undercut Grooves	Sheave, Deflector, 28 in.

NOTE: Do not use with 260CN1 drive sheave.

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28 in. Deflector Sheave

Supporting Parts



* Part not shown.

25 in. Deflector Sheave Assembly

	5			3 6 7 6 7 1	2	
	W/O VINTAGE	W/O VINTAGE	VINTAGE Y01			
REF. NO.	P/	ART NUMBI	ER	DESCRIPTION	"L"	MACHINE LOCATION
	1F-7078BP1				26.88	
1		2F-7078BP1	7078CX1	Assembly, Deflector	24.50	Above
	1F-7078BP2	2F-7078BP2		Sheave	16.00	Below
2		207Z76		Bearing		
3		263BF1		Deflector, Sheave, 25 in.	Diameter	, see NOTE
4		435C1		Fitting, Grease		-
5		172CY21		Retaining Ring		
5	1F-495DH1				26.88	Above
6	1F-495DH1 1F-495DH2			4	16.00	Below
		- 2F-495DH1		4	24.50	Above
7		2F-495DH1 2F-495DH2		Shaft	16.00	Below
				4		
8			495DP1	-	24.50	Above
			495DP2		16.00	Below
9	 65EF16	65EF11	 65EF16	U-Bolt	3.18	
1					3.54	

NOTE: Only for use with 260CN1 drive sheave.

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Unpublished Work-Otis Elevator Co., 2009

Sheave Guards

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06-C7078A

	eave guard, carpet wip	Machine Sheave Guard Installation (w/Carpet Wiper), for her, and rope lubricator installation instructions.
sh	eave guard, carpet wip W/O VINTAGE	er, and rope lubricator installation instructions.
	eave guard, carpet wip W/O VINTAGE PART No.	per, and rope lubricator installation instructions. DESCRIPTION
sh REF. No.	eave guard, carpet wip W/O VINTAGE PART No. AAA297AY1	per, and rope lubricator installation instructions. DESCRIPTION Strip, Carpet, 3 in. Wide
sh	eave guard, carpet wip W/O VINTAGE PART No. AAA297AY1 AAA297AY2	Der, and rope lubricator installation instructions. DESCRIPTION Strip, Carpet, 3 in. Wide Strip, Carpet, 5 in. Wide
sh REF. No.	eave guard, carpet wip W/O VINTAGE PART No. AAA297AY1 AAA297AY2 AAA297AY3	DESCRIPTION Strip, Carpet, 3 in. Wide Strip, Carpet, 5 in. Wide Strip, Carpet, 7 in. Wide
sh REF. No.	eave guard, carpet wip W/O VINTAGE PART No. AAA297AY1 AAA297AY2	Der, and rope lubricator installation instructions. DESCRIPTION Strip, Carpet, 3 in. Wide Strip, Carpet, 5 in. Wide