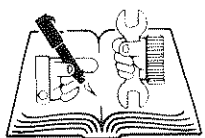


PARTS MANUAL

TOWING WINCH W6E



Hyster Easy Language Program

CUSTOMER EDITION

W6E
599356
REVISION NO. 2
2/74

INDEX

SECTION A	INTRODUCTION _____	➔
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SECTION D	GEAR TRAIN AND SHAFTS _____	➔
SECTION E	BRAKE AND SHIFTER MECHANISM-DIRECT DRIVE _____	➔
SECTION F	BRAKE AND HYDRAULIC SYSTEM-POWER CONTROL _____	➔
SECTION G	OPTIONAL EQUIPMENT _____	➔
SECTION Q	NUMERICAL INDEX _____	➔

UNIT IDENTIFICATION

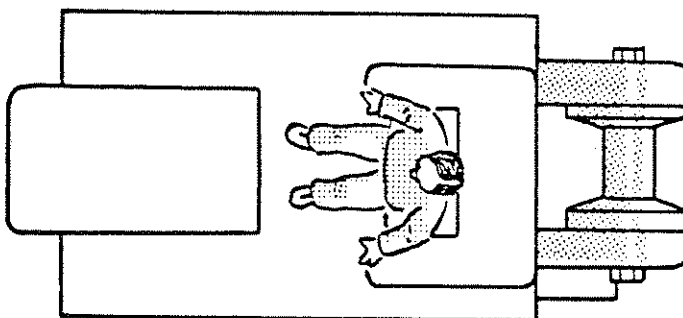
UNIT SERIAL NO.

X	O	X	0000	X
I	I	I	I	I
(1)	(2)	(3)	(4)	(5)

- (1) & (2) The first letter and number denote the design series and model of the unit.
- (3) The second letter denotes the plant at which the unit was manufactured.
- (4) The number series denotes the serial number of the unit.
- (5) The final letter denotes the year of manufacture starting with "A" in 1957. The letters "I", "O", and "Q" will not be used.

**Parts Referred To In This Book As Right Or Left Hand Parts
Are In Accordance With The Sketch Below**

R. H. Side



L. H. Side

CAUTION!

**Never Attempt To Clean, Oil Or Adjust A Machine
While It Is In Motion**

**NOTE: All Studs and Capscrews used in this Winch
are Heat-treated.**

USE HYSTER APPROVED PARTS... it pays



Section A

INTRODUCTION

USE HYSTER APPROVED PARTS... *it pays*

How To Use The Illustrated Parts Manual

This Parts Book describes and illustrates assemblies, sub-assemblies and detail parts needed for service replacement.

REVISION NO. 2
1/71

INDEX

Service, Operation and Installation Instructions

Frames, Covers and Mounting

Gear Train and Shaft Gear

Hydraulic System and

Optional Equipment

Numerical Index

Section C
NUMERICAL INDEX

FILTER

KEY
A-FOR HYDRATORS.
B-FOR HYDRATORS.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	147461	FILTER	1
2	149295	HEAD ASSEMBLY	1
3	149297	RELIEF VALVE ASSEMBLY	1
4	149298	O-RING	1
5	147463	RING-BACK UP	1
6	149296	ELEMENT	1
7	16829	CASE	1
8	15158	CAPSCREW-1/2 UNC X 1	1
9	154760	LOCKWASHER-1/2	1
10	151713	PLATE	4
11	15057	NUT-7/16 UNC	4
	15157	LOCKWASHER	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
12	16562	ELBOW	2
13	16487	O-RING	1
14	16589	LOCKNUT	1
15	151714	CLAMP	2
16	15156	LOCKWASHER-3/8	1
17	16870	CAPSCREW-3/8 UNC X 1/2	1
18	38760	WASHER	2
19	18578	CAPSCREW-7/16	2
20	147455	WASHER	2

When The Part Number Is Not Known

1. **USE:** Determine the function and application of the part required. Turn to the index page immediately behind the front cover and select the most appropriate section.
2. Line up the black arrow with the black tab on

the index page of the selected section. Use the section index to determine the assembly which would normally contain the part required. Proceed then to locate the part on the assembly breakdown page.

When The Part Number Is Known

3. Use the numerical index (section Q) to find the part number. Turn to the page listed and locate the required part in the assembly breakdown.

GENERAL: The assembly breakdowns include part numbers, description, quantities required, keys and footnotes to help in selecting the correct parts.

4. Keys are used to show effective serial numbers, two or more similar assemblies. Select the appropriate key, "A," "B," "C" or "D" and find the required part in the corresponding column.
5. Indent numbers are used to indicate assemblies and sub-parts of assemblies. Number 1 is the major assembly. Part descriptions which are indented under 2, 3 or 4 are sub-parts of that major assembly shown above.
6. Quantities shown are for one assembly. Note that two assemblies are shown, but the quan-

ties of the sub-parts are indicated as one. This means one per assembly.

7. The revision number and date on the index page, indicates the latest printing of the manual.

DEALERS NOTE: When supplements are issued to up-date the manuals, the index page with the latest revision number and date are included with the supplement. Be sure the index pages are added to the manuals in your possession.

ORDERING PARTS:

When ordering replacement parts, give the compact serial number, manual form number (and revision number, if any), part number, name of part and quantity required. In ordering engine and power shift transmission parts, also include the engine number, and/or the transmission serial number.

For any further information on parts, service, or ordering, consult your Hyster dealer.

Section B

FRAMES, COVERS AND

MOUNTING STUDS

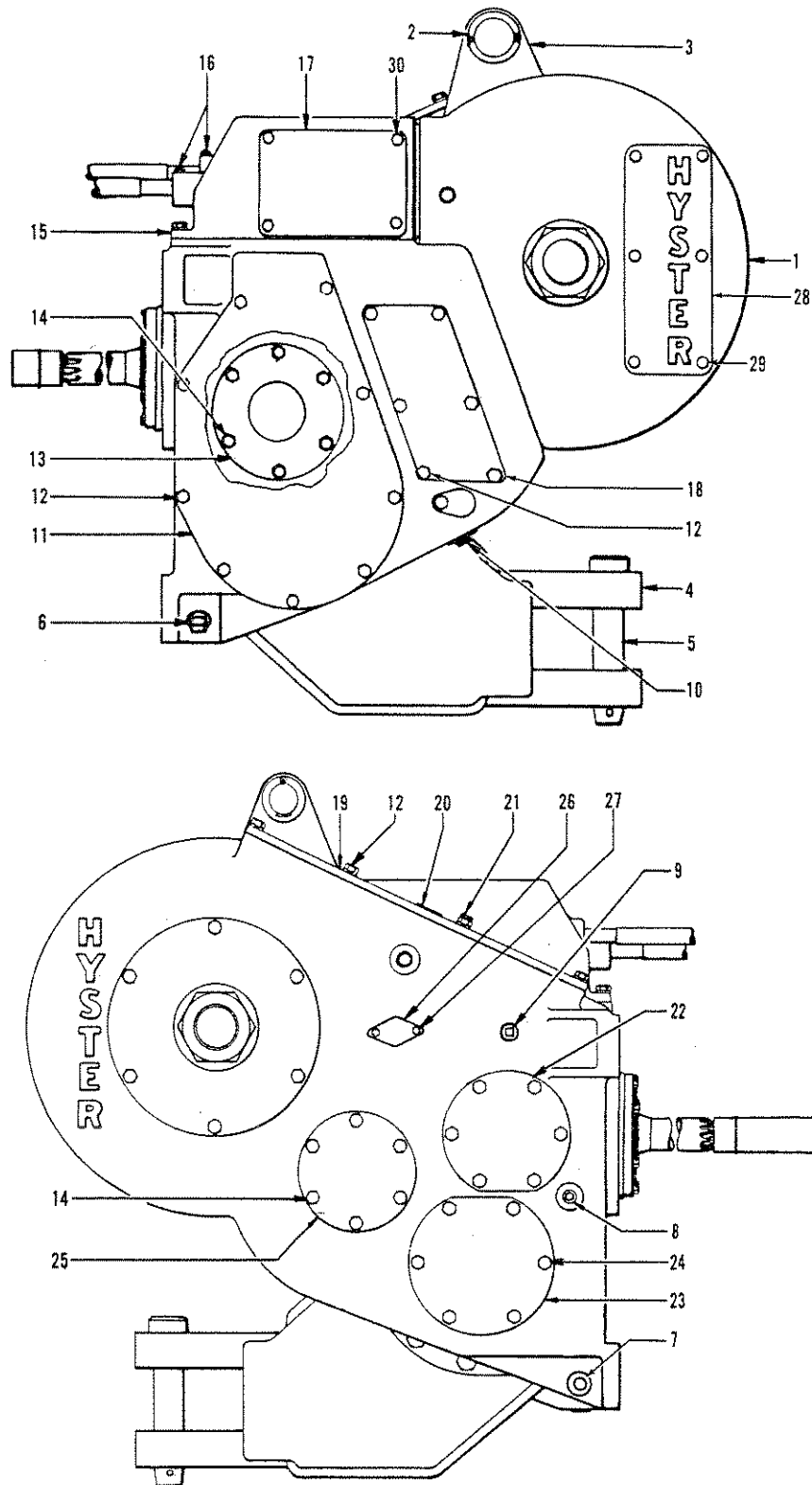
INDEX

FRAMES AND COVERS _____ B1-B2

MOUNTING STUDS _____ B3-B5

SWIVELING DRAWBAR _____ B2

FRAMES AND COVERS



FRAMES AND COVERS

KEY

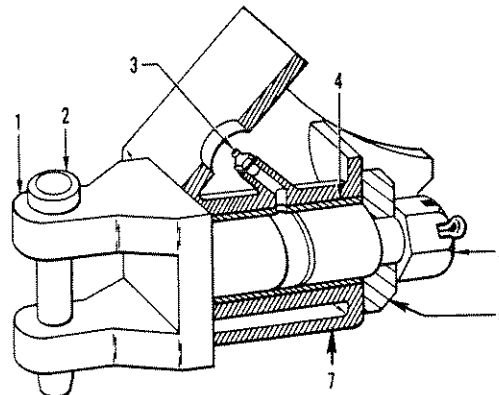
A-FOR DIRECT DRIVE WINCH, ILLUSTRATED.
B-FOR POWER CONTROL WINCH.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.		REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	
			A	B				A	B
1	.....	FRAME	1	1	20	15319	PLUG-PIPE, 1 1/2	1	1
2	196280	ROD-TIE	1	1	21	21420	PLUG-VENT	1	1
2	15272	COTTER-3/8 X 3	2	2	22	95948	RETAINER-BEARING, BEVEL GEAR	1	..
3	196278	BRACKET-TIE ROD	2	2	22	96472	RETAINER-BEARING, BEVEL GEAR	..	1
4	141606	BRACKET-RIGID DRAWBAR	1	1	22	110934	SHIM-.005	AR	..
4	141612	BRACKET-SWIVELING DRAWBAR	1	1	22	110935	SHIM-.007	AR	..
5	95959	PIN-DRAWBAR RIGID	1	1	22	110936	SHIM-.020	AR	..
5	15273	COTTER-3/8 X 2 1/2 DRAW.	1	1	22	134107	SHIM-.005	..	AR
5	.....	PIN-DRAWBAR SWIVEL.DRAW.,	1	1	22	134108	SHIM-.007	..	AR
5	.....	COTTER SEE PAGE B3	1	1	22	134109	SHIM-.020	..	AR
6	15316	PLUG-PIPE, 3/4	1	1	23	95970	CARRIER-BEARING, BRAKE SHAFT	1	1
7	35503	PLUG-MAGNETIC, 3/4	1	1	23	95033	SHIM-.005	AR	AR
8	15303	PLUG-PIPE, 1/2	1	1	23	95166	SHIM-.007	AR	AR
9	15320	PLUG-PIPE, 2	1	..	23	95034	SHIM-.020	AR	AR
10	15308	PLUG-PIPE, 1 1/4	1	1	24	178402	CAPSCREW-1/2 UNC X 1 1/2 G5	6	6
11	95953	COVER-BRAKE	1	1	24	15158	LOCKWASHER-1/2	6	6
11	* 95954	GASKET	1	1	25	93254	RETAINER-BRG., INTER. SHAFT	1	1
12	178403	CAPSCREW-1/2 UNC X 1 G5	19	23	25	149541	SHIM-.005 280262	AR	AR
12	15158	LOCKWASHER-1/2	19	23	25	149542	SHIM-.007	AR	AR
13	95942	CARRIER-BEARING, BEVEL GEAR	1	..	25	149543	SHIM-.020	AR	AR
13	95966	CARRIER-BEARING, BEVEL GEAR	..	1	26	151589	COVER	1	1
13	110934	SHIM-.005	AR	AR	26	* 151646	GASKET	1	1
13	110935	SHIM-.007	AR	AR	27	178403	CAPSCREW-1/2 UNC X 1 G5	2	2
13	110936	SHIM-.020	AR	AR	27	15158	LOCKWASHER-1/2	2	2
14	178402	CAPSCREW-1/2 UNC X 1 1/4 G5	12	12	28	185824	COVER-FILTER	..	1
14	15158	LOCKWASHER-1/2	12	12	28	185990	GASKET-COVER	..	1
15	.....	COVER, SEE PAGE E1	1	..	29	16597	CAPSCREW-3/8 UNC X 3/4	..	6
15	.....	COVER, SEE PAGE F1	..	1	29	15156	LOCKWASHER-3/8	..	6
16	16212	SETSCREW-3/8 UNC X 1 1/4	2	..	30	178403	CAPSCREW-1/2 UNC X 1 G5	6	..
16	15086	NUT-JAM, 3/8 UNC	2	..	30	15158	LOCKWASHER-1/2	6	..
17	95985	COVER	1	..	30	16597	CAPSCREW-3/8 UNC X 3/4	..	6
17	* 95986	GASKET	1	..	30	15156	LOCKWASHER-3/8	..	6
17	198356	COVER-VALVE	..	1		201871	GASKET KIT	1	..
17	198357	GASKET	..	1		167621	GASKET KIT	..	1
18	185973	COVER	1	1					
18	* 185974	GASKET	1	1					
19	201858	COVER-TOP, RH	1	1					
19	* 95958	GASKET	1	1					
19	178403	COVER	1	1					
	15158								

*INCLUDED IN GASKET KIT.
□FOR WINCH WITHOUT FREE SPOOL.

SWIVELING DRAWBAR

INCLUDED WITH APPROPRIATE WINCH FRAME

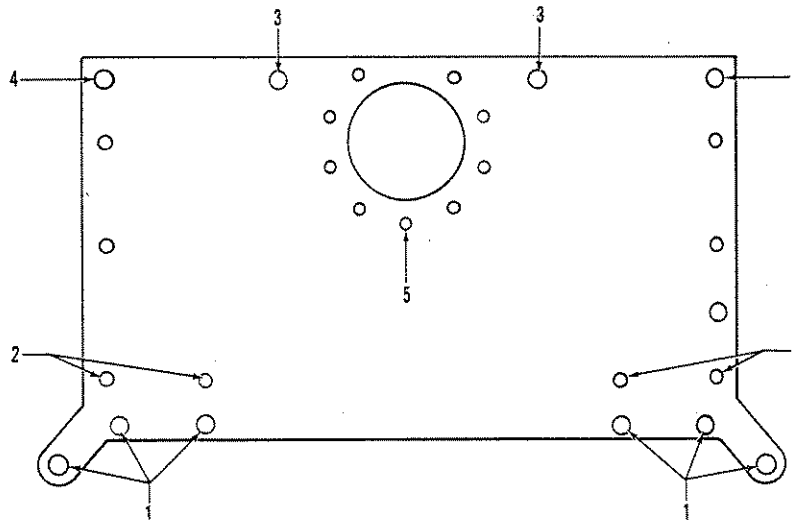


REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	96542	DRAWBAR	1	5	15041	NUT-SLOTTED, 2 UNC	1
2	94369	PIN-DRAWBAR	1	5	15274	COTTER-3/8 X 3 1/2	1
2	15273	COTTER-3/8 X 2 1/2	1	6	96541	BAR	1
3	16002	FITTING-GREASE	1	7	.....	BRACKET-DRAWBAR, SEE PAGE B1	1
4	92671	BUSHING	2				

HYSTER COMPANY
PORTLAND, OREGON

MOUNTING STUDS

FOR TRACTOR MODEL HD-11, LAST USED ON WINCH SERIAL NO. A124P-1509



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	156879	PLUG	6
2 *	84606	STUD	4
2	15166	LOCKWASHER-1	4
2	17164	NUT-1 UNF	4
3 *	204230	STUD	2
3	134821	NUT-SLOTTED	2
3	15240	COTTER-5/32 X 2 1/2	2

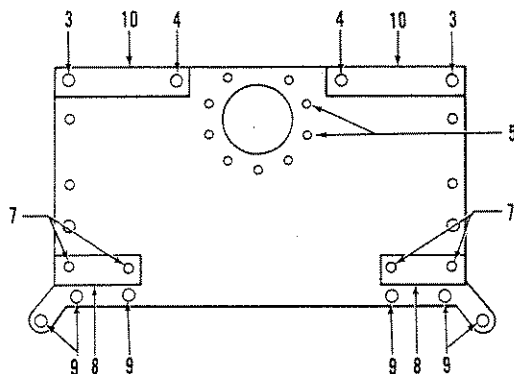
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
4 *	94833	STUD	2
4	15168	LOCKWASHER-1 1/4	2
4	196798	NUT-1 1/4 UNF	2
5	192949	PLUG	9

*REQUIRES LOCTITE KIT NO. 230064.

MOUNTING STUDS

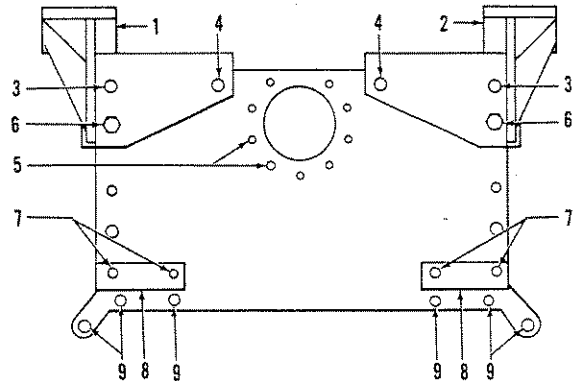
FOR TRACTOR MODEL HD-11, FIRST USED ON WINCH SERIAL NO. A124P-1509 AND A123P-1501

WITHOUT ROLL OVER PROTECTION



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	217612	BRACKET-LH	1
2	217605	BRACKET-RH	1
3 *	216224	STUD	2
3	15018	NUT-1 1/4 UNF	2
3	15168	LOCKWASHER-1 1/4	2
3	223453	SHIM-.020	AR
4 *	216225	STUD-DRILLED	2
4	134821	NUT-SLOTTED	2
4	15240	COTTER-5/32 X 2 1/2	2
4	55434	O-RING	2
4	223453	SHIM-.020	AR

WITH ROLL OVER PROTECTION



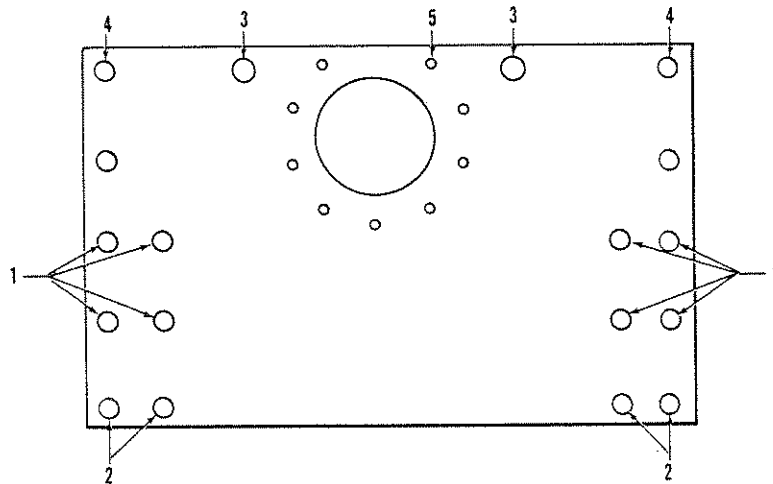
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
5	192949	PLUG	9
6	221691	CAPSCREW-1 NF X 2 1/2	2
7 *	35444	STUD	4
7	15016	NUT-1 NF	4
7	15166	LOCKWASHER-1	4
7	223453	SHIM-.020	AR
8	217616	PLATE	2
9	156879	PLUG	6
10	217615	PLATE	2

*REQUIRES LOCTITE KIT NO. 230064.

HYSTER COMPANY
PORTLAND, OREGON

MOUNTING STUDS

FOR TRACTOR MODEL TD-15B AND TD-15C



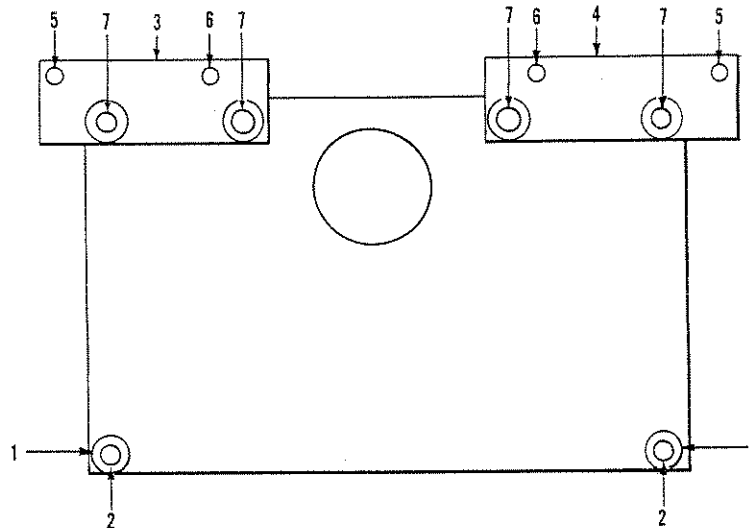
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	136578	PLUG	8
2	* 9317	STUD	4
2	53157	NUT-1 UNF	4
3	* 198929	STUD-DRILLED	2
3	55434	O-RING	2
3	134821	NUT-SLOTTED, 1 1/4 UNF	2
3	15259	COTTER-1/4 X 3	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
4	* 198930	STUD	2
4	18404	LOCKWASHER-1 1/8	2
4	196836	NUT-1 1/8 UNF	2
5	18007	PLUG	9

*REQUIRES LOCTITE KIT NO. 230064.

MOUNTING STUDS

FOR TRACTOR MODEL D60E-6



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	225069	SPACER	2
2	* 225068	STUD	2
2	15168	LOCKWASHER-1 1/4	2
2	221725	NUT-1 1/4 UNF	2
3	225066	SPACER-LH	1
4	225067	SPACER-RH	1
5	* 35680	STUD	2
5	15166	LOCKWASHER-1	2

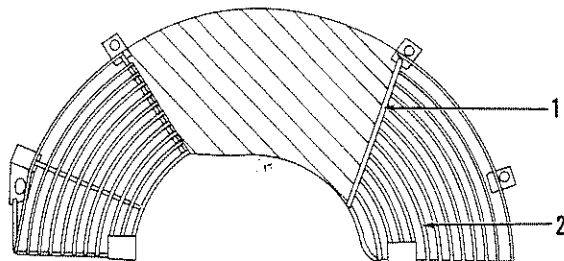
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
5	222721	NUT-1 UNF	2
6	* 225071	STUD-DRILLED	2
6	12440	NUT-1 1/8 UNF	2
6	15259	COTTER-1/4 X 3	2
7	225065	CAPSCREW	4

*REQUIRES LOCTITE KIT NO. 230064.

HYSTER COMPANY
PORTLAND, OREGON

TRACTOR ALTERATIONS

FOR TRACTOR MODEL TD-15B



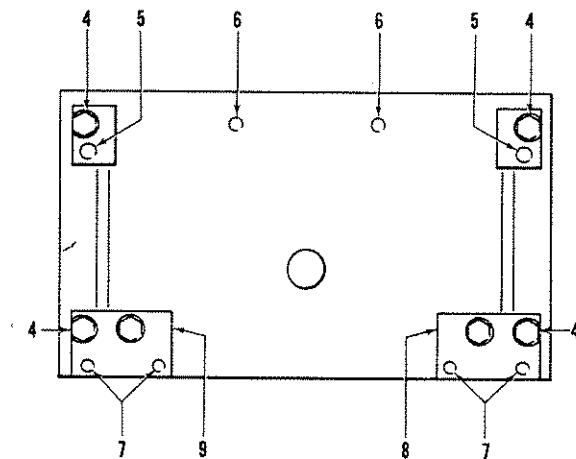
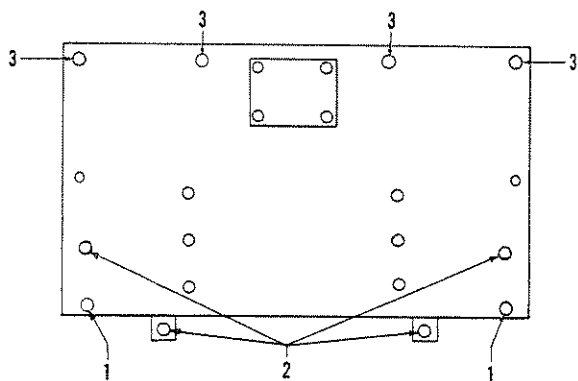
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	199896	ROD	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
2		GUARD-FAN, COMES WITH TRACTOR	1

MOUNTING STUDS

FOR TRACTOR MODEL D65E-6

FOR TRACTOR MODEL AD-14



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	* 213035	STUD	2
1	221373	NUT-1 1/4 UNF	2
2	18001	PLUG-CORK	4
3	213040	CAPSCREW-SPECIAL	4
3	216611	LOCKWASHER	4
4	226430	CAPSCREW	6
4	15166	WASHER	6

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
5	* 92672	STUD	2
6	* 252905	STUD	2
7	* 9317	STUD	4
8	226423	SPACER-R.H.	1
9	226424	SPACER-L.H.	1

*REQUIRES LOCTITE KIT NO. 230064.

HYSTER COMPANY
PORTLAND, OREGON

Section D

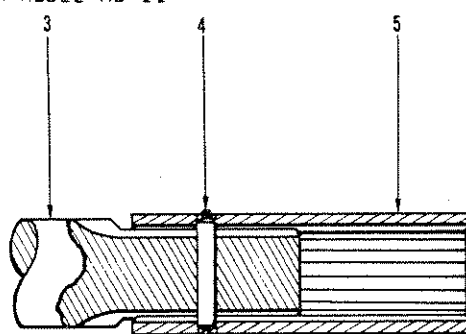
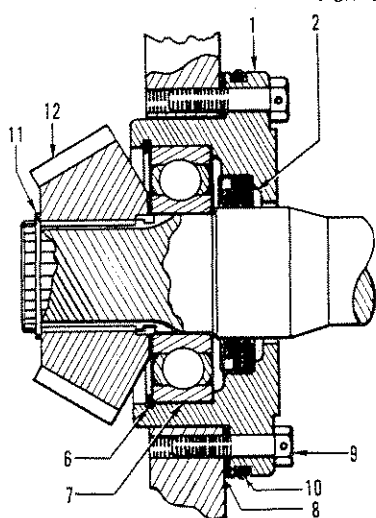
GEAR TRAIN AND SHAFTS

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POWER TAKE-OFF

FOR TRACTOR MODEL HD-11



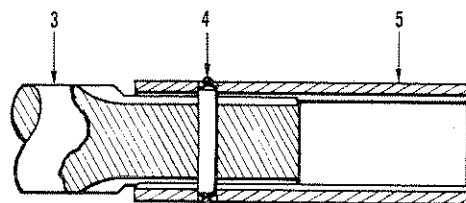
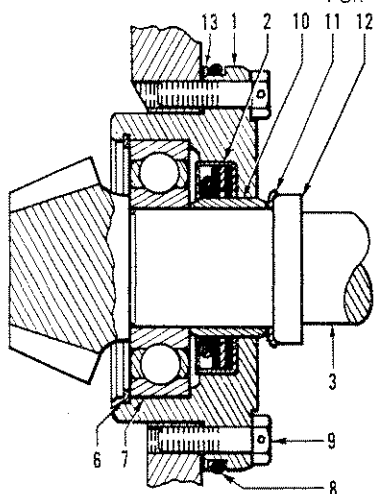
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	98598	CARRIER-BEARING	1
1 *	217614	CARRIER-BEARING	1
2	79389	SEAL-OIL	1
3	204227	SHAFT-P.T.O.	1
3 *	217613	SHAFT-P.T.O.	1
4	33786	PIN	1
4	9528	RING-LOCK	1
5	138994	COUPLING	1
6	35573	SNAP RING	1
7	124684	BEARING-BALL	1
8	134078	SHIM-.005	AR

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
8	134079	SHIM-.007	AR
9	169671	CAPSCREW-DRILLED HEAD 7/16 UNF X 1 5/8	6
9 *	216542	CAPSCREW-SPECIAL	6
9	.....	LOCKWIRE	1
10	90937	O-RING	1
11	12916	SNAP RING	1
12	96020	GEAR-BEVEL	1

*FIRST USED ON SERIAL NO. A124P-1510 AND A123P-1501.

POWER TAKE-OFF 64.9

FOR TRACTOR MODEL TD-15B AND TD-15C



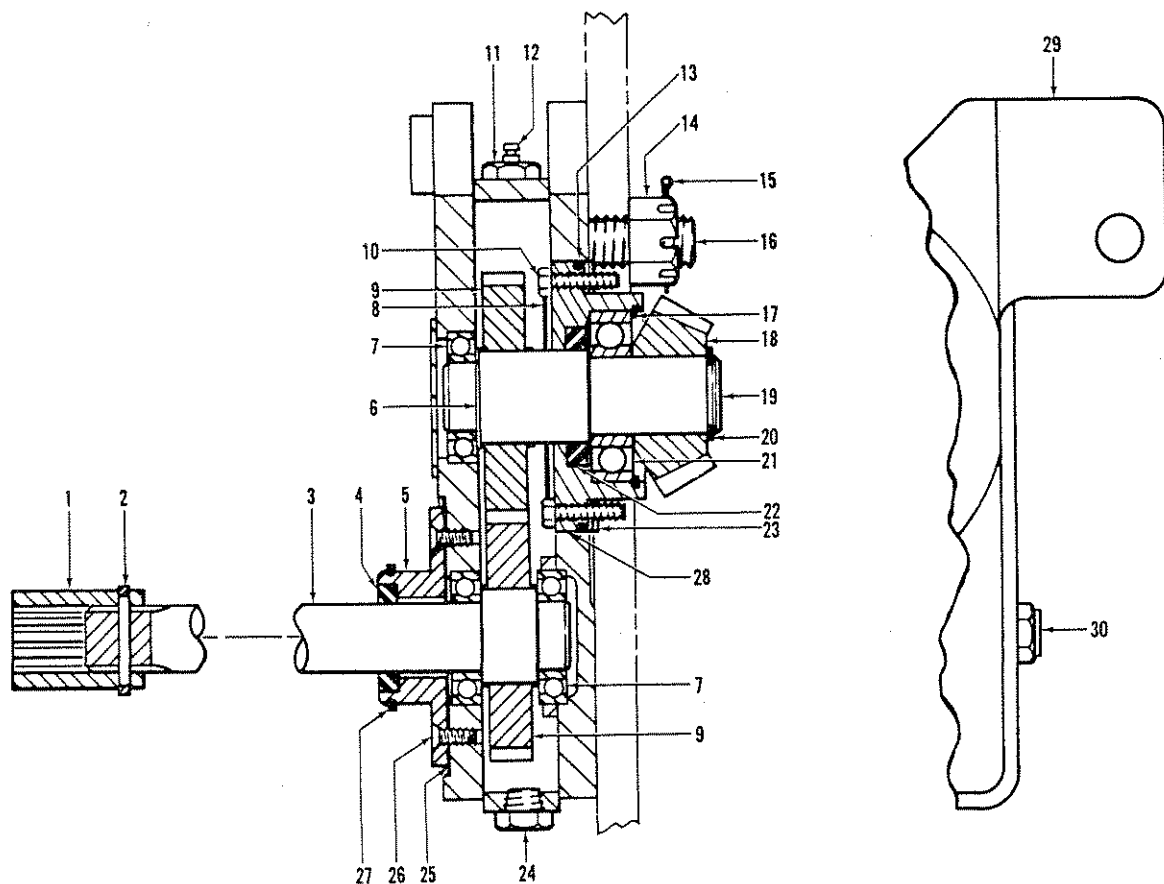
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	98598	CARRIER-BEARING	1
2	79389	SEAL-OIL	1
3	198928	SHAFT-P.T.O.	1
4	198053	PIN	1
4	12946	RING-LOCK	1
5	198931	COUPLING	1
6	35573	SNAP RING	1
7	124684	BEARING-BALL	1
8	90937	O-RING	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
9	169671	CAPSCREW-DRILLED HEAD, 7/16 UNF X 1 5/8	6
9	.....	LOCKWIRE	1
10	96027	SPACER	1
11	6036	LOCKWASHER	1
12	6037	LOCKNUT	1
13	134078	SHIM-.005	AR
13	134079	SHIM-.007	AR

HYSTER COMPANY
PORTLAND, OREGON

POWER TAKE-OFF

FOR TRACTOR MODEL AD-14



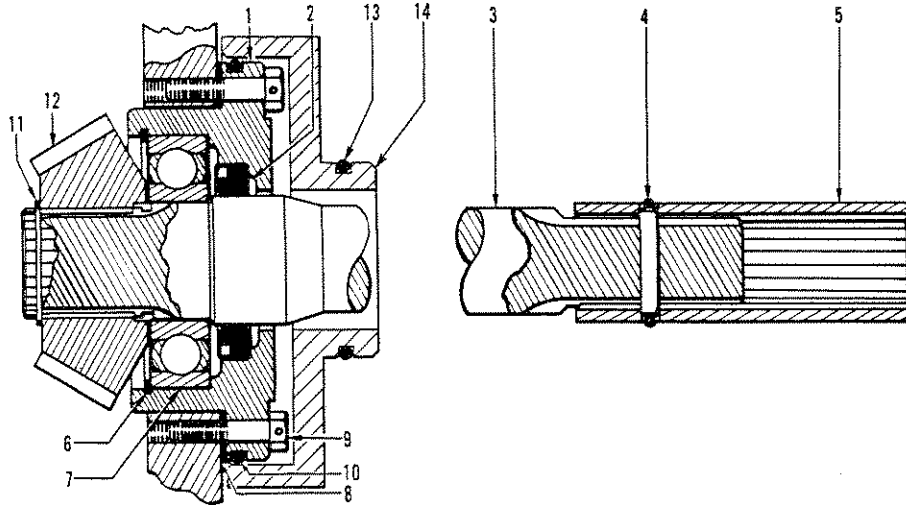
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	250482	COUPLING	1
2	250483	PIN	1
2	250484	RING-LOCK	1
3	226435	SHAFT-PTO	1
4	44482	SEAL	1
5	226436	RETAINER-BEARING	1
6	226417	SNAP RING	1
7	43209	BEARING	3
8	.....	LOCKWIRE	1
9	226416	GEAR	2
10	179867	CAPSCREW-7/16 UNF X 1 3/4	6
11	252903	BUSHING-PIPE FITTING	1
12	21420	PLUG-BREATHER	1
13	90937	O-RING	1
14	15061	NUT-1 1/4 UNF	2
15	15246	PIN-3/16 X 2	2
16	* 198929	STUD	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
17	35573	SNAP RING	1
18	96020	GEAR-BEVEL PTO	1
19	226418	SHAFT	1
20	12916	SNAP RING	1
21	43310	BEARING	1
22	79389	SEAL	1
23	134078	SHIM-.005	AR
23	134079	SHIM-.007	AR
24	14388	PLUG-DRAIN	1
25	250999	GASKET	1
26	17151	CAPSCREW-3/8 UNC X 1	4
27	15880	O-RING	1
28	98598	CARRIER-BEARING	1
29	.....	HOUSING	1
30	146073	VIEW GAGE	1

*REQUIRES LOCTITE KIT NO. 230064

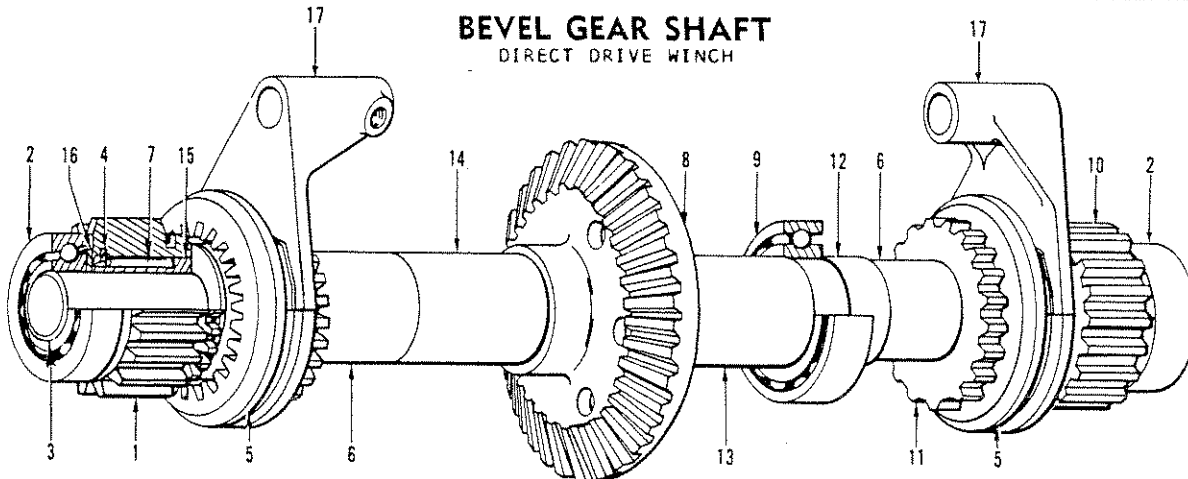
POWER TAKE-OFF - 56.4 Ratio

FOR TRACTOR MODEL D60E-6



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	217614	CARRIER-BEARING	1
2	79389	SEAL-OIL	1
3	225072	SHAFT-P.T.O. ?	1
4	213139	PIN	1
4	54112	RING-LOCK	1
5	213138	COUPLING	1
6	35573	SNAP RING	1
7	124684	BEARING-BALL	1
8	134078	SHIM-.005	AR

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
8	134079	SHIM-.007	AR
9	216542	CAPSCREW-SPECIAL	6
9	.....	LOCKWIRE	1
10	90937	O-RING	1
11	12916	SNAP-RING	1
12	96020	GEAR-BEVEL	1
13	39713	O-RING	1
14	225070	ADAPTER-P.T.O.	1

**BEVEL GEAR SHAFT
DIRECT DRIVE WINCH****KEY**

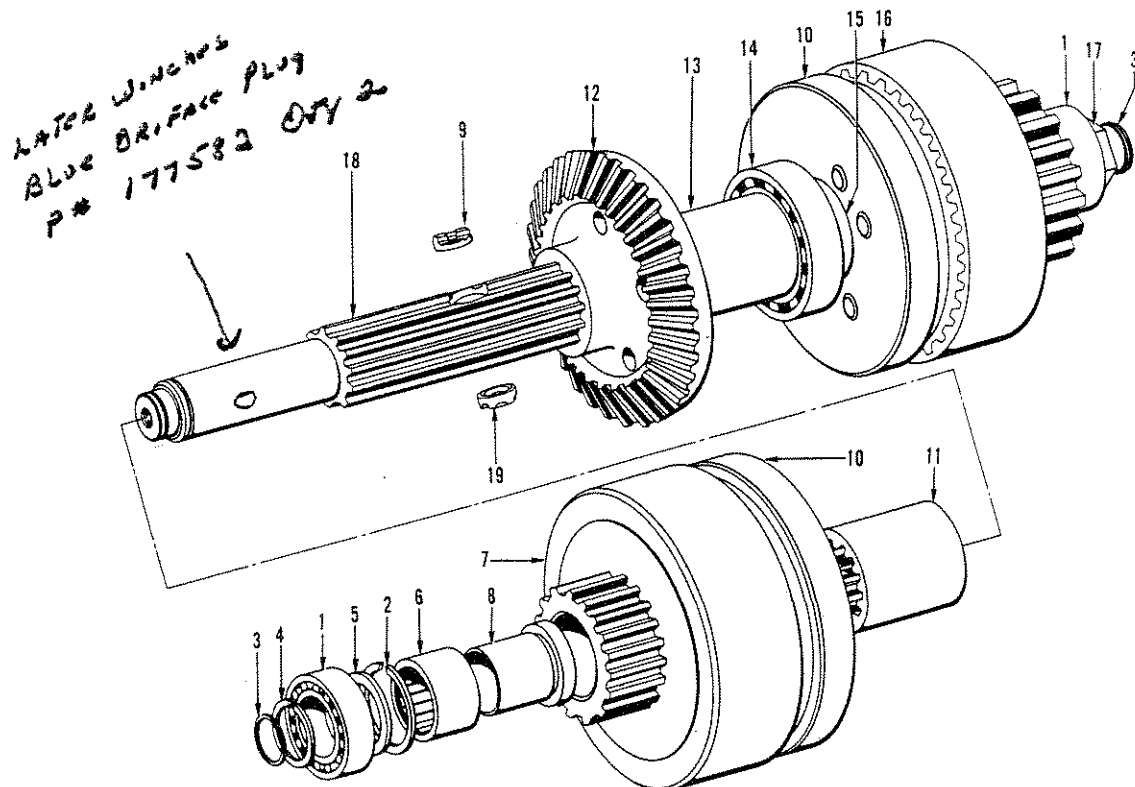
A-FOR STANDARD SPEED WINCH. 45.1 56.4-ND11B D60 AD14
B-FOR SLO SPEED WINCH. 64.9 T615C
C-FOR LO SPEED WINCH.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	A B C
1	95944	GEAR-22 TEETH, 2ND RED.	1 1 1
2	230351	CUP-BEARING	2 2 2
2	230405	CONE-BEARING	2 2 2
3	95943	SHAFT-BEVEL GEAR	1 1 1
4	58938	SNAP RING	2 2 2
5	95946	CLUTCH-DENTAL	2 2 2
6	95947	SPACER	2 2 2
7	230407	BEARING-ROLLER	2 2 2
8	96021	GEAR-45 TEETH, BEVEL	1
8	96028	GEAR-45 TEETH, BEVEL	.. 1 1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	A B C
9	44516	BEARING-BALL	1 1 1
10	96022	GEAR-20 TEETH, HI & REV.	1 1 ..
10	96029	GEAR-17 TEETH, HI & REV.	 1
11	95945	HUB-DENTAL CLUTCH	2 2 2
12	196378	CARRIER-BEARING	1 1 1
13	196377	SPACER	1 1 1
14	196376	SPACER	1 1 1
15	95961	CARRIER-BEARING	2 2 2
16	174559	WASHER	2 2 2
17	.....	FORK-SHIFTER, SEE PAGE E1	2 2 2

BEVEL GEAR SHAFT

POWER CONTROL WINCH



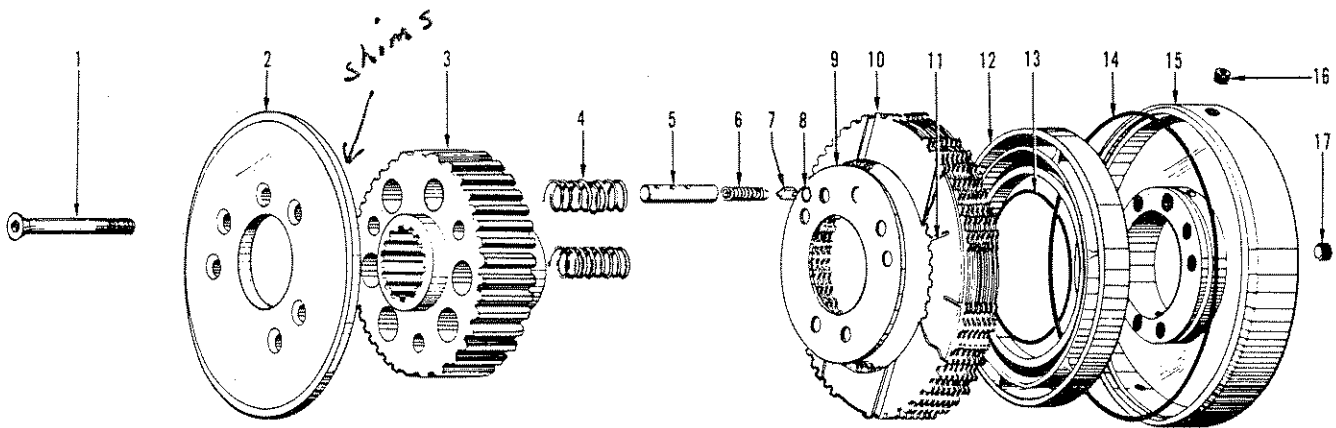
KEY

A-FOR STANDARD SPEED WINCH-45.1-56.4 HD11B 265 143
 B-FOR SLO SPEED WINCH-64.9 TD15C
 C-FOR LO SPEED WINCH.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.		
			A	B	C
1	230351	CUP-BEARING	2	2	2
1	230405	CONE-BEARING	2	2	2
2	58938	SNAP RING	2	2	2
3	95581	RING SEAL	2	2	2
4	174560	SNAP RING	1	1	1
5	174559	WASHER	1	1	1
6	230407	BEARING-ROLLER	2	2	2
7	96469 W 287542	GEAR-22 & 88 TEETH, 2ND REDUCTION SPIDER	1	1	1
8	95961	CARRIER-BEARING	2	2	2
9	96783	SEAL-THREE TEETH	2	2	2
10	.....	CLUTCH-SEE PAGE 25	2	2	2
11	196376	SPACER	1	1	1
12	96021	GEAR-45 TEETH, BEVEL	1	..	..
12	96028	GEAR-45 TEETH, BEVEL	..	1	1
13	196377	SPACER	1	1	1
14	44316	BEARING-BALL	1	1	1
15	196378	CARRIER-BEARING	1	1	1
16	99009 W	GEAR-20 & 88 TEETH, HI &	1	1	..
16	97775 W	GEAR-17 & 88 TEETH, REV.	..	..	1
17	21014	LOCKNUT-BEARING	1	1	1
17	174561	LOCKWASHER-BEARING	1	1	1
18	174580	SHAFT-BEVEL GEAR	1	1	1
19	96784	SEAL-TWO TEETH	2	2	2

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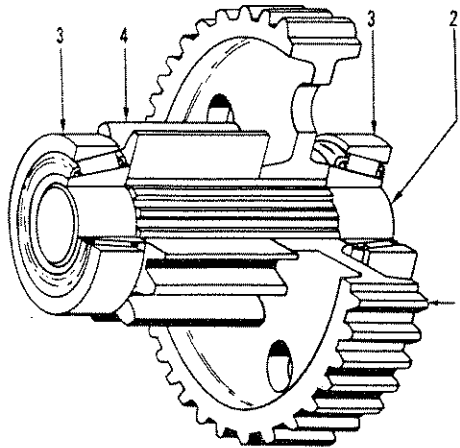
CLUTCH



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
	174579	CLUTCH	2
1	89031	CAPSCREW-1/2 UNF X 3 1/4	6
2	96467	PLATE-COVER	1
2	96785	SHIM-.032	AR
3	174578	HUB	1
4	89030	SPRING	6
5	132579	BODY-VALVE	1
6	89033	SPRING-VALVE	1
7	95831	PLUNGER-VALVE	1
8	54132	SNAP RING	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
9	96461	RETAINER-SPRING	1
10	133917	DISC-FRICTION	6
11	96464	PLATE-SEPARATOR	6
12	96462	PISTON-CLUTCH	1
13	89777	O-RING	1
14	79972	O-RING	1
15	96463	PLATE-RETAINER	1
16	141348	PLUG-PIPE	1
17	196435	SETSCREW-1/2 UNF X 3/8	6

INTERMEDIATE GEAR SHAFT



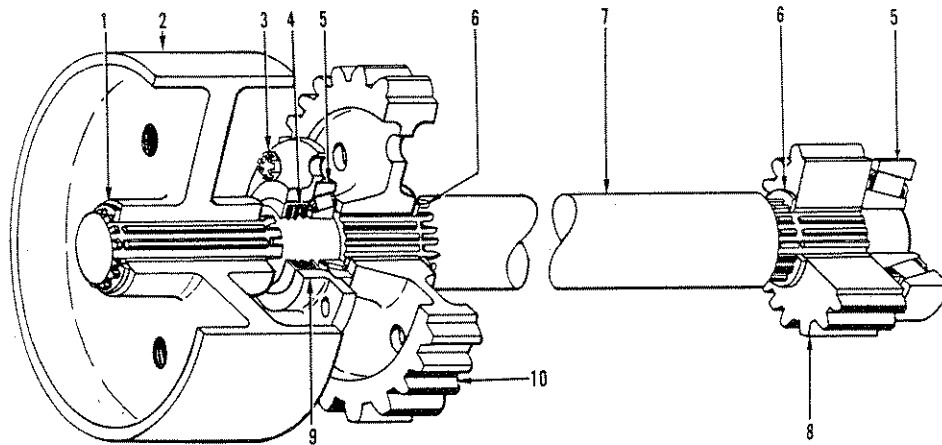
KEY
 A-FOR STANDARD AND SLO SPEED WINCHES WITHOUT FREE SPOOL.
 B-FOR STANDARD AND SLO SPEED WINCHES WITH FREE SPOOL.
 C-FOR LOW SPEED WINCH WITHOUT FREE SPOOL.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	A B C
1	96024	GEAR-49 TEETH	1
1	96031	GEAR-52 TEETH	 1
1	96046	GEAR-16 AND 49 TEETH	.. 1 ..
2	95972	SHAFT-INTERMEDIATE GEAR	1 .. 1
2	96042	SHAFT-INTERMEDIATE GEAR	.. 1 ..
3	30059	CUP-BEARING	2 2 2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	A B C
3	30080	CONE-BEARING <i>2.000 2D</i>	2 .. 2
3	30058	CONE-BEARING <i>2.315 2D</i>	.. 2 ..
4	95973	GEAR-16 TEETH, DRUM PINION	1 .. 1
4	96043	A GEAR-16 TEETH, DRUM PINION	.. 1 ..
4	96044	BUSHING	.. 1 ..

HYSTER COMPANY
 PORTLAND, OREGON

BRAKE SHAFT



KEY

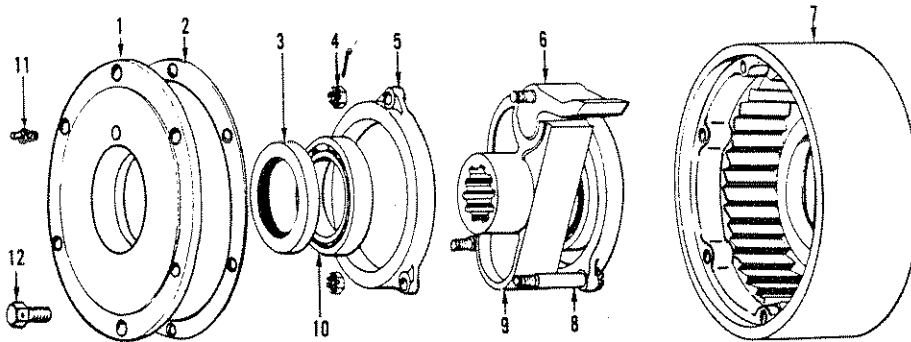
- A-FOR STANDARD & SLO SPEED WINCHES WITH STANDARD BRAKE.
 B-FOR LO SPEED WINCH WITH STANDARD BRAKE.
 C-FOR STANDARD & SLO SPEED WINCHES WITH AUTOMATIC BRAKE.
 D-FOR LO SPEED WINCH WITH AUTOMATIC BRAKE.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			1	2	3	4
1	58954	SNAP RING	1	1	1	1
2	96036	WHEEL-BRAKE	1	1	..	..
2	.....	BRAKE-AUTO., SEE PG.D5	..	..	1	1
3	16830	CAPSCREW-1/2 UNC X 1 1/4 G5	6	6	6	6
3	15158	LOCKWASHER-1/2	6	6	6	6
4	87656	SEAL-OIL	1	1	1	1
5	230311	CUP-BEARING	2	2	2	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			1	2	3	4
5	230310	CONE-BEARING	2	2	2	2
6	12915	SNAP RING	2	2	2	2
7	95968	SHAFT-BRAKE	1	1	1	1
8	96023	GEAR-20 TEETH INTERM.	1	..	1	..
8	96030	GEAR-17 TEETH PINION	..	1	..	1
9	89727	RETAINER-OIL SEAL	1	1	1	1
9	92649	GASKET	1	1	1	1
10	95969	GEAR-51 TEETH, 2ND RED.	1	1	1	1

AUTOMATIC BRAKE

FOR DIRECT DRIVE WINCH

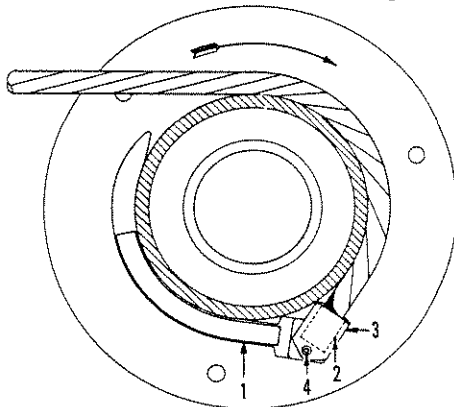


REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			1	2	3	4
1	96037 A	BRAKE-AUTOMATIC	1			
1	59387	COVER	1			
2	59396	GASKET	1			
3	59395	SEAL-OIL	2			
4	12430	NUT-SLOTTED, 5/16 UNF	6			
4	15201	COTTER-1/16 X 3/4	6			
5	92945	RING-DAG	2			
6	59393	PAWL	1			

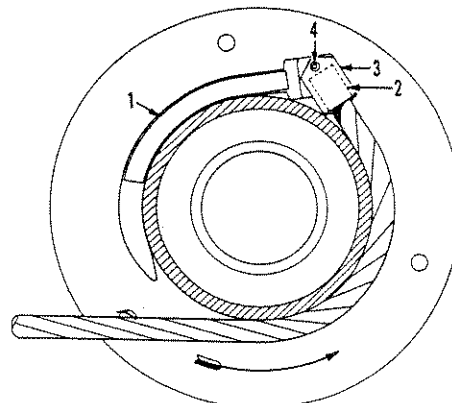
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			1	2	3	4
7	59389 A	WHEEL-BRAKE				1
8	94599	LINK-SHOULDER				3
9	96039	HUB				1
10	44313	BEARING-BALL				2
11	46187	PLUG-VENT, SPECIAL				1
12	27259	CPSCR.-DRILLED HEAD, 3/8 UNF X 1 1/4 G5				6
12	.....	LOCKWIRE				1

HYSTER COMPANY
 PORTLAND, OREGON

CABLE LOCK



OVERWINDING

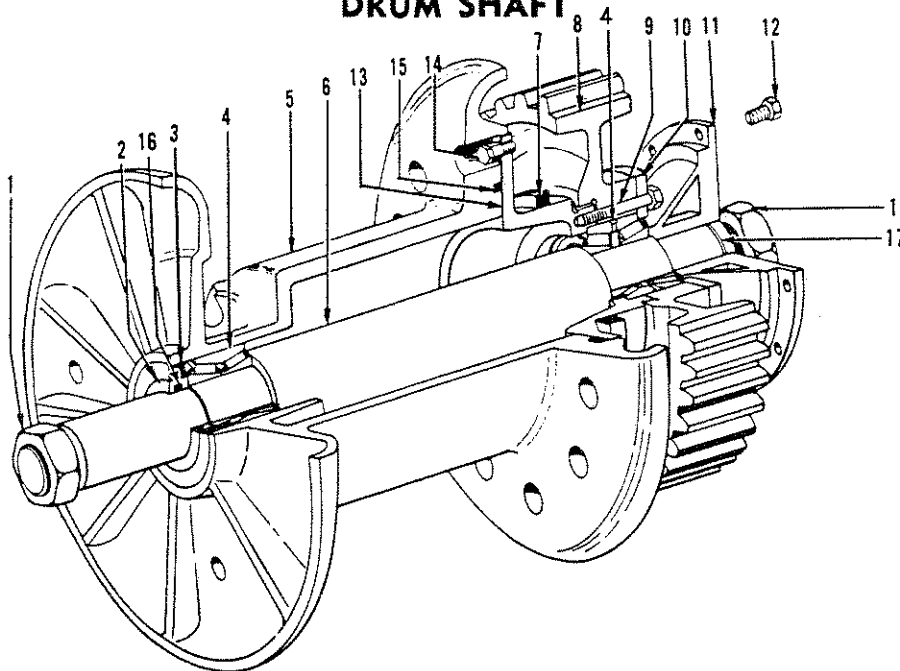


UNDERWINDING

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	96033	FILLER-CABLE, FOR 10 IN. STANDARD & SLO SPEED DRUM	1
1	96035	FILLER-CABLE, FOR 7 IN. LO SPEED DRUM	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
2	30712	FERRULE-CABLE	1
3	95980	LOCK-FERRULE	1
4	14721	CAPSCREW-1/2 UNF X 2 3/4	1
4	177949	LOCKWASHER-HC, 1/2	1

DRUM SHAFT



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	6607	NUT-2 1/2 SPECIAL	2
1	242831	NUT-DRUM SHAFT	2
2	172808	SPACER	1
3	44547	SEAL-OIL	1
4	230406	BEARING	2
5	141676	DRUM-10 IN., FOR STD. & SLO SPD.	1
5	141679	DRUM-7 IN., FOR LO SPEED	1
6	186308	SHAFT-DRUM	1
6	242838	SHAFT-DRUM	1
7	141671	SEAL-OIL	1
8	95977	GEAR-48 & 65 TEETH, DRUM	1
9	18811	BOLT-PLACE, 1/2 UNF X 2 1/2	8
10	95978	PLATE-GEAR RETAINER	1
11	172810	RETAINER-DRUM	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
11	175646	SHIM-.005	AR
11	175647	SHIM-.007	AR
11	175648	SHIM-.020	AR
12	178402	CAPSCREW-1/2 UNC X 1 1/4 G5	6
12	15158	LOCKWASHER-1/2	6
13	141674	ADAPTER	1
14	141675	CAPSCREW-3/8 UNF SPECIAL	10
14	53559	DOWEL	10
15	133927	RING-SEAL	1
16	90263	O-RING	1
17	15881	O-RING	1

□ LAST USED ON SERIAL NO. C82P-3374
 * FIRST USED ON SERIAL NO. C82P-3375

HYSTER COMPANY
 PORTLAND, OREGON

Section E

BRAKE AND SHIFTER MECHANISM

FOR DIRECT DRIVE WINCH

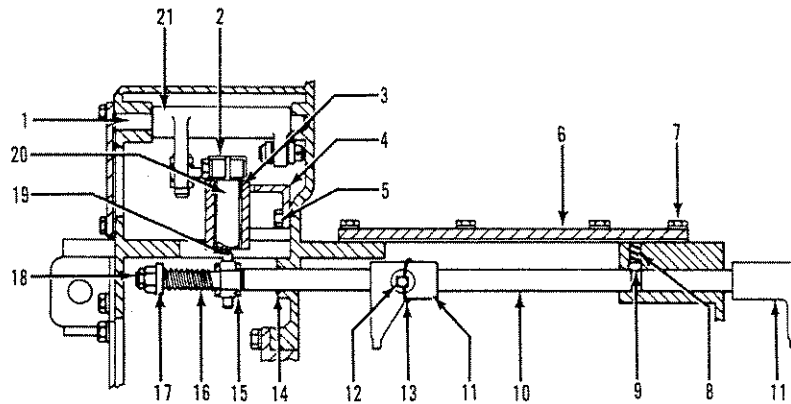
INDEX

BRAKE MECHANISM _____	E1
HANDLING GEAR _____	E2
SHIFTER MECHANISM _____	E1

SHIFTER MECHANISM

95987A CRANK ASSY:

- 1- 95988 CRANK
1- 16594 CPSCR
1- 15156 LCKWSH
1- 15006 NUT.

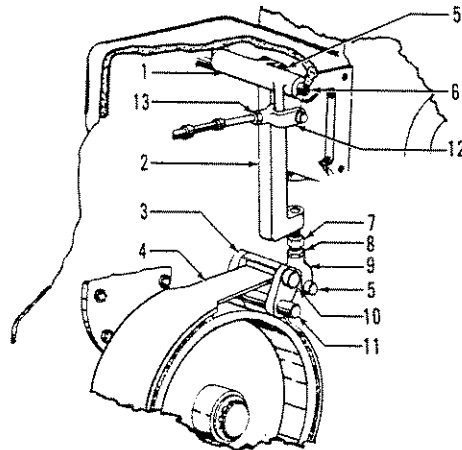


REF. NO.	HYSTER PART NO.	NAME OF PART 1 2 3 4	QTY.
1	187639	PIN	1
2	* 95987 A	CRANK	1
2	15527/6594	CAPSCREW-3/8 UNF X 1 3/4 G-5	1
2	15006	NUT-3/8 UNF	1
2	15156	LOCKWASHER-3/8	1
3	95615	BUSHING	2
4	187452	BRACKET	1
5	16377	CAPSCREW-7/16 UNC X 1 G5	1
5	15157	LOCKWASHER	1
6	186313	COVER-TRANSMISSION	1
6	186318	GASKET	1
7	169268	CAPSCREW-1/2 UNC X 1 1/4 G5	5
7	163249	CAPSCREW-1/2 UNC X 2 1/4 G5	4
7	15135	WASHER-1/2	9
8	96545	SPRING	1

REF. NO.	HYSTER PART NO.	NAME OF PART 1 2 3 4	QTY.
9	6348	BALL-1/2	1
10	95949	SHAFT-SHIFTER	1
11	95951	FORK-SHIFTER	2
12	27936	LOCKSCREW	2
13	.....	LOCKWIRE	2
14	44551	OIL SEAL	1
15	33681	WASHER	1
16	95950	SPRING	1
17	33682	WASHER	2
18	63085	LOCKNUT-5/8 UNF	1
19	33717	SHOE	2
20	95636 W	CRANK-SHIFTER	1
21	77114 A	CRANK	1
21	92705	BUSHING	2

BRAKE MECHANISM

- 224798 COVER TRAD
224799 GSKT
169268 CPSCR 10
15135 WASH 10
W/ HOOK TURNER

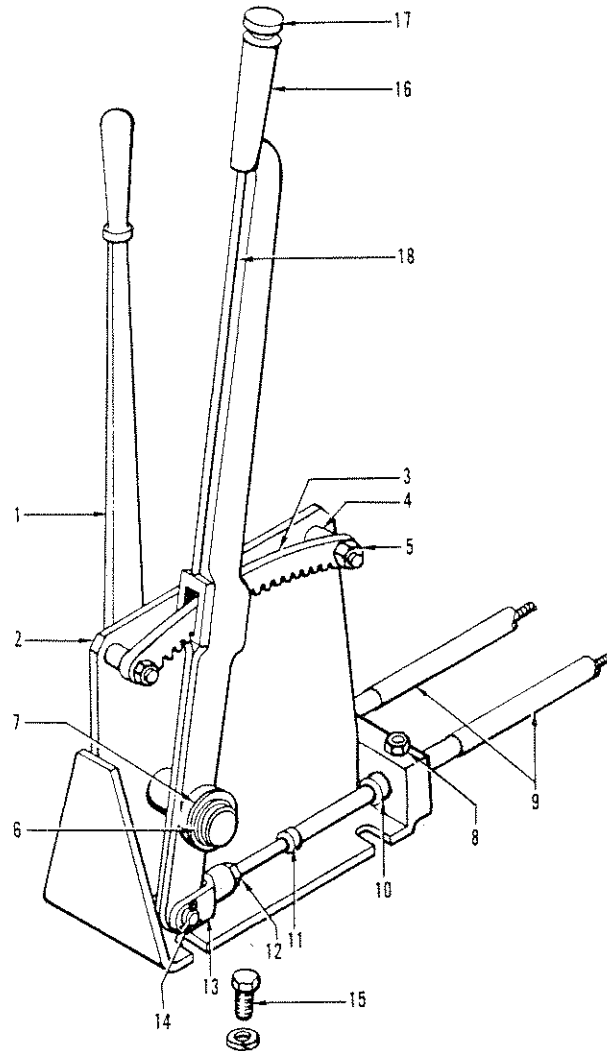


REF. NO.	HYSTER PART NO.	NAME OF PART 1 2 3 4	QTY.
1	77114 A	CRANK-BRAKE	1
1	92705	BUSHING	2
2	76697 A	LINK-BRAKE	1
3	76695 A	LEVER-BRAKE	1
3	104607	BUSHING	2
4	128386	BAND-BRAKE	1
4	96300 A	LINING SET-WITH RIVETS	1
5	159	PIN-ROD END	2
5	15223	COTTER-1/8 X 1	2

REF. NO.	HYSTER PART NO.	NAME OF PART 1 2 3 4	QTY.
6	187639	PIN	1
7	76696	LINK-ADJUSTING	1
8	15030	NUT-JAM, 5/8 UNF	1
9	91629	ROD END	1
10	96725	PIN-BRAKE	1
10	15226	COTTER-1/8 X 1 3/4	1
11	128383	PIN-BRAKE	1
12	92683	ROD-END	1
13	15026	NUT-3/8 UNF	1

HANDLING GEAR

FOR TRACTOR MODEL HD-11B SERIAL NO. 16001 & UP



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	95750	HANDLEVER-CLUTCH	1
2	178576	W BRACKET	1
3	77188	BAR-QUADRANT	1
4	94891	SPACER	2
5	16376	CAPSCREW-3/8 UNF X 2 G5	2
5	15156	LOCKWASHER-3/8	2
5	15056	NUT-3/8 UNF	2
6	58907	SNAP RING	2
7	90267	WASHER	2
8	16212	SETSCREW-3/8 UNC X 1 1/4	2
8	15086	NUT-JAM, 3/8 UNC	2
9	* 123422	CABLE-CLUTCH, 56 INCH	1
9	* 125629	CABLE-BRAKE, 58 INCH	1
9	□ 96241	CABLE-CLUTCH, 51 INCH	1
9	□ 96240	CABLE-BRAKE, 53 INCH	1
10	94381	GROMMET-LARGE	2
11	95905	GROMMET-SMALL	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
12	15026	NUT-JAM, 3/8 UNF	4
13	92683	ROD END	4
14	159	PIN-ROD END	4
14	15223	COTTER-1/8 X 1	4
15	16085	CAPSCREW-1/2 UNF X 1 3/4 G5	4
15	# 18588	CAPSCREW-1/2 UNC X 1 1/2	3
15	15158	LOCKWASHER-1/2	4
15	89536	NUT-1/2 UNF	4
15	# 15058	NUT-1/2 UNC	3
16	77187	A HANDLEVER-BRAKE	1
17	79418	BUTTON	1
17	79417	SPRING	1
18	79416	PAWL & ROD	1

*FOR TRACTOR MODEL HD-11 AND AD-14.

□FOR TRACTOR MODEL TD-15B AND TD-15C.

#FOR TRACTOR MODEL AD-14.

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Section F

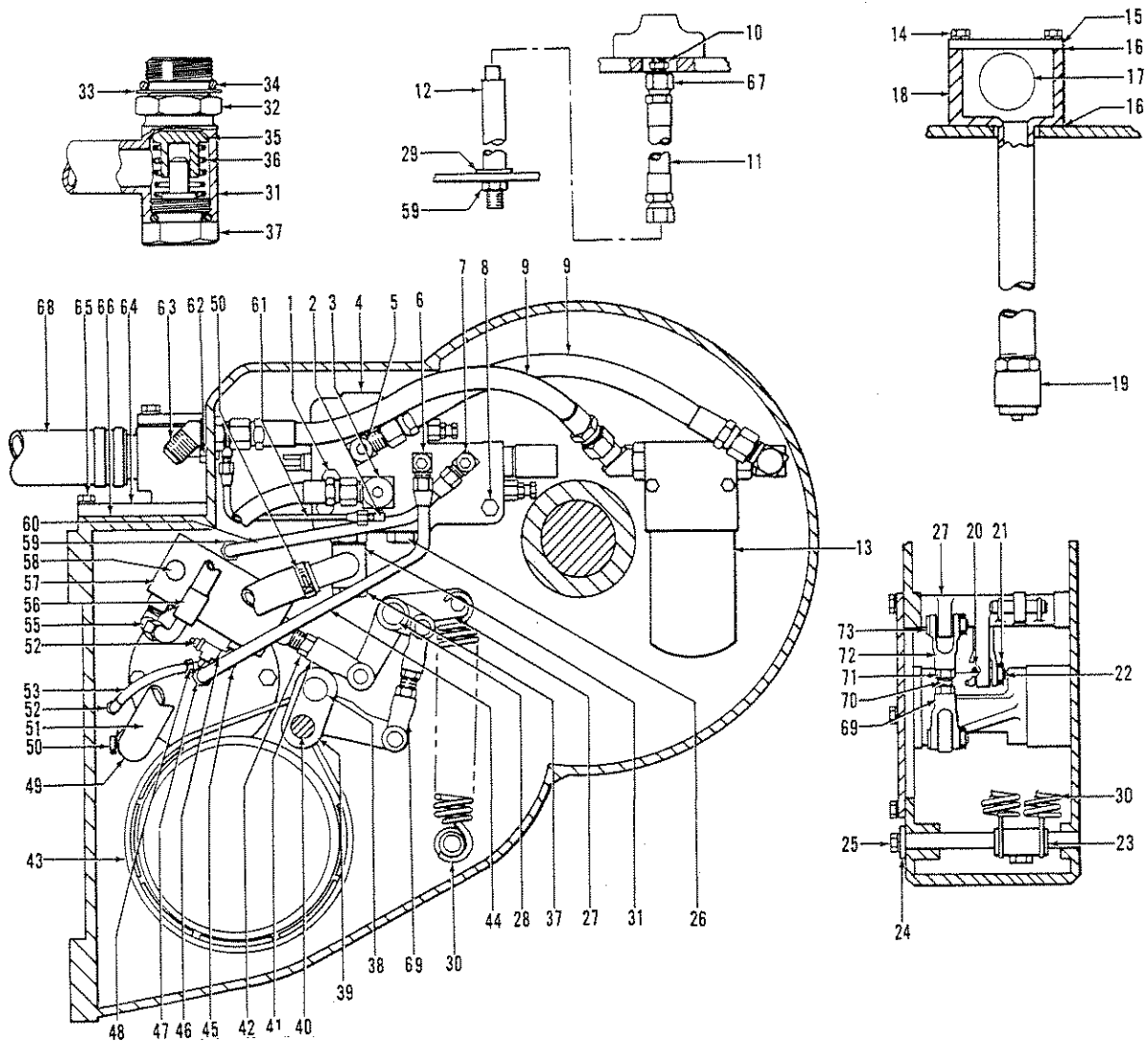
BRAKE AND HYDRAULIC SYSTEM

FOR POWER CONTROL WINCH

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BRAKE AND HYDRAULIC SYSTEM _____	F1-F2
BRAKE CYLINDER _____	F2
CONTROL VALVE _____	F3
HANDLING GEAR _____	F4
HYDRAULIC PUMP _____	F7-F11
OIL FILTER _____	F5
PUMP DRIVE AND HOSES _____	F6-F10

BRAKE AND HYDRAULIC SYSTEM



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	14598	PLUG	1	6	16484	LOCKNUT	1
1	16485	O-RING	1	6	16349	PLUG	1
2	14500	ELBOW	1	7	164703	ELBOW	1
3	222933	TEE-SPECIAL	1	7	16486	O-RING	1
3	16982	O-RING	1	7	16588	LOCKNUT	1
3	14349	PLUG	1	7	14349	PLUG	1
4	.....	VALVE-PAGE F3	1	8	198385	CAPSCREW-1/2 UNC X 3 1/2	3
5	198352	ELBOW-SPECIAL	1	8	15158	LOCKWASHER-1/2	3
5	16586	O-RING	1	9	198351	HOSE	1
5	16484	LOCKNUT	1	10	19987	FITTING-NIPPLE	1
5	16349	PLUG	1	11	214641	HOSE	1
6	198063	ELBOW	1	12	214640	CONNECTOR	1
6	16586	O-RING	1	13	.....	FILTER-PAGE F5	1

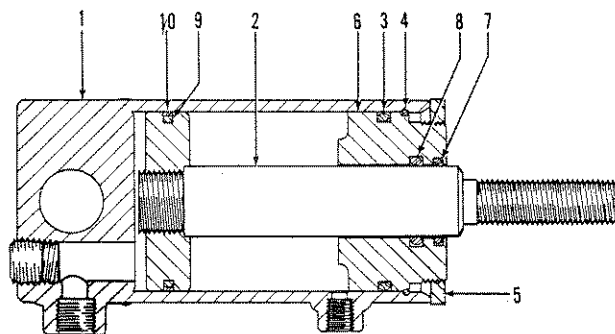
HYSTER COMPANY
PORTLAND, OREGON

BRAKE AND HYDRAULIC SYSTEM

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
14	237406	CAPSCREW-1/2 UNC X 4 1/2	4	45	69392	ELBOW	1
14	18395	LOCKWASHER-1/2	4	46	16186	TEE	1
15	204243	COVER	1	47	17315	CONNECTOR	1
16	177409	GASKET	2	48	14538	ELBOW-45 DEGREE	1
17	160387	FILTER	1	49	144050	NIPPLE-HOSE	1
18	204241	MANIFOLD-INTAKE	1	50	127045	CLAMP-HOSE	2
19	177369	VALVE-FOOT	1	51	157532	HOSE	1
20	15526	COTTER-1/8 X 1 3/4	1	52	128002	CONNECTOR-BALL CHECK	2
21	15223	CUTTER-1/8 X 1	1	53	140288	HOSE	1
22	159	PIN-ROD END	1	55	60239	ELBOW / 7309	1
23	95996	SPACER	1	56	198346	HOSE	1
24	184259	PIN	1	57	.....	CYLINDER-SEE PAGE F6	1
25	16829	CAPSCREW-1/2 UNC X 1 G5	1	58	89051	PIN	1
25	15158	LOCKWASHER-1/2	1	59	14761	LOCKNUT	1
26	14604	PLUG	1	60	198362	TUBE	1
26	16487	O-RING	1	61	198361	TUBE	1
26	16589	LOCKNUT	1	62	237379	ELBOW	1
27	184256	CRANK	1	62	14758	LOCKNUT	1
27	92705	BUSHING	1	62	16481	O-RING	1
28	95989	PIN	1	63	237378	ELBOW-45	1
29	16484	O-RING	1	63	16468	LOCKNUT	1
30	184258	SPRING	2	63	16486	O-RING	1
31	198348	VALVE	1	64	186311	COVER	1
32	16589	LOCKNUT	1	65	169268	CAPSCREW-1/2 UNC X 1 1/4 G5	5
33	196028	WASHER	1	65	163249	CAPSCREW-1/2 UNC X 2 1/2 G5	4
34	16487	O-RING	1	65	15135	WASHER-1/2	9
35	198069	POPPET-CHECK VALVE	1	66	* 186318	GASKET	1
36	198066	SPRING	1	67	14723	CONNECTOR	1
37	196033	PLUG	1	68	.....	HOSE-SEE PAGE F5	1
37	16487	O-RING	1	69	95628 A	LINK-BRAKE ADJUSTMENT	1
38	96725	PIN	1	69	92688	ROD END-LH	1
39	96780 A	LINK-BRAKE	1	70	95629	LINK	1
39	104607	BUSHING	4	71	15030	NUT-JAM, 5/8 UNF	2
40	128383	PIN-BRAKE	1	72	92689	ROD END-RH	1
41	92689	ROD END	1	73	159	PIN-ROD END	2
42	15030	NUT-JAM 5/8 UNF	1	73	15223	COTTER-1/8 X 1	2
43	128386	BAND-BRAKE	1				
43	96300 A	LINING SET-WITH RIVETS	1				
44	198363	TUBE	1				

*INCLUDED IN GASKET KIT 167621.

BRAKE CYLINDER



164 253809 C. TRAV.
253811 GSKT
169268 Cpsa 10
15135 WASHER 10
W/ Hook TURNER

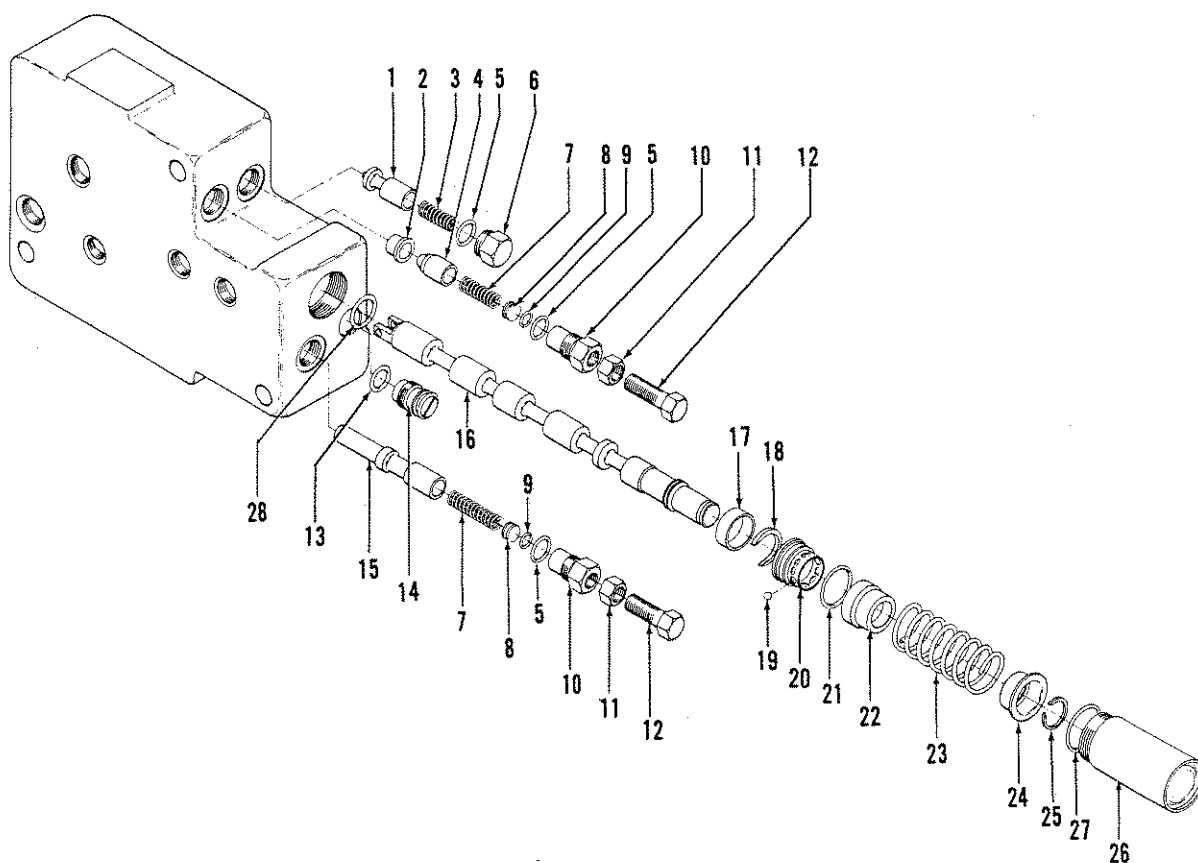
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
	187229	CYLINDER BRAKE	1	6	165612	BEARING	1
1	.....	SHELL	1	7	* 165616	SEAL	1
2	165450	PISTON AND ROD	1	8	* 61056	O-RING	1
3	* 57664	O-RING	1	9	* 162074	C-RING use 108977	1
4	* 165615	RING-LOCK	1	10	* 162076	RING-PISTON	1
5	* 165613	NUT-BEARING	1				

* Included in seal kit

165614

HYSTER COMPANY
PORTLAND, OREGON

CONTROL VALVE

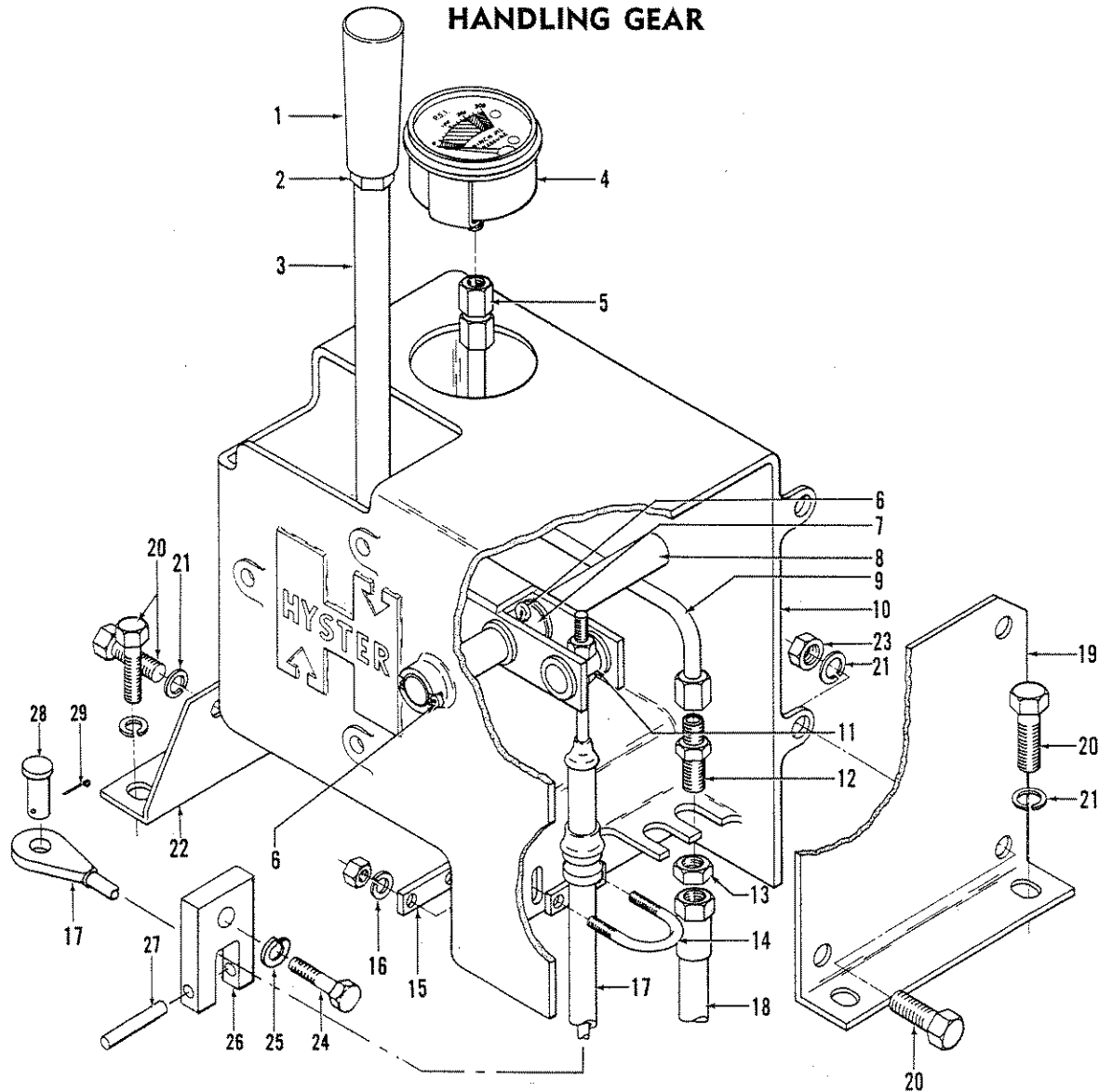


REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
	217120	VALVE-CONTROL	1
1	196006	FORWARD MODULATING SPOOL	1
2	195990	RELIEF SEAT	1
3	196013	SPRING	1
4	195991	PLUNGER-RELIEF	1
5	16484	O-RING	3
6	196007	PLUG	1
7	195992	SPRING-RELIEF	2
8	195993	PLUG-O-RING	2
9	15860	O-RING	2
10	196004	FITTING-SPECIAL	2
11	15027	NUT-JAM, 7/16 UNF	2
12	195995	CAPSCREW-SPECIAL	2
13	118389	O-RING	1
14	233492	CAP	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
15	196003	REVERSE MODULATING SPOOL	1
16	238993	SPOOL	1
16	217118	SPOOL	1
17	195999	RING	1
18	196000	RING	1
19	170987	BALL-STEEL	8
20	195997	RETAINER-DETENT	1
21	118365	O-RING	1
22	238992	SPACER-SELECTOR	1
23	166911	SPRING	1
24	166905	SPACER-CENTERING	1
25	196002	SNAP RING	1
26	196009	CAP	1
27	39376	O-RING	1
28	60836	C-RING	1

HYSTER COMPANY
PORTLAND, OREGON

HANDLING GEAR



KEY + 12 G Loader

A-FOR TRACTOR MODEL HD-11.
B-FOR TRACTOR MODEL TD-15B AND TD-15C.
C-FOR TRACTOR MODEL D65E-6.

+17 205005 F.S (70) 1

+18 205006 HOSE

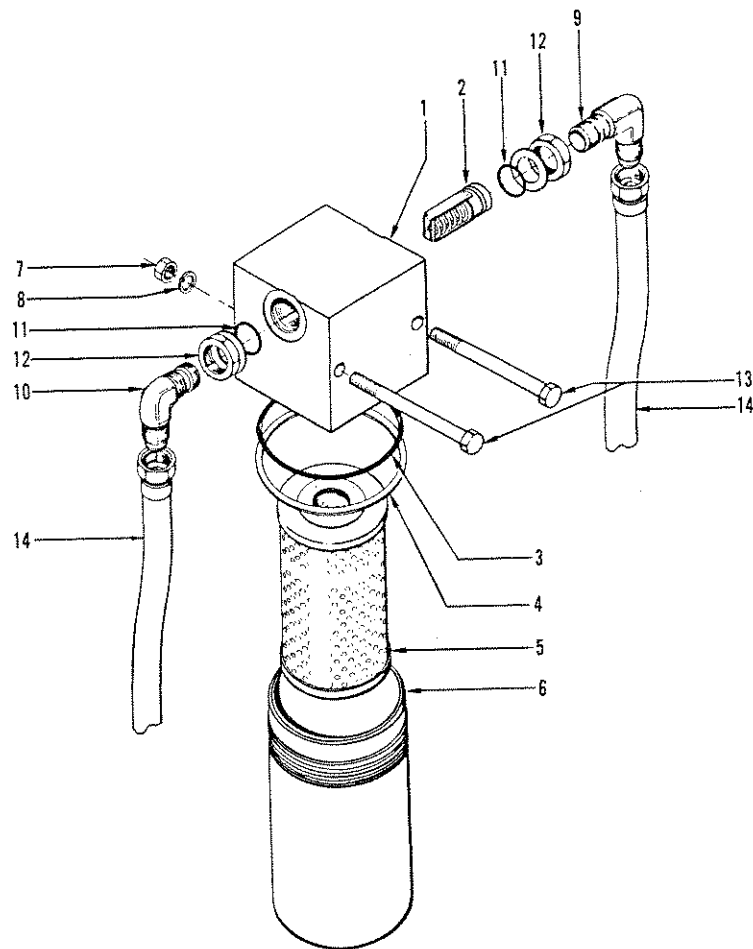
+17 252802 Cable CONTROL 9118

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.		
			1	2	3
	196462	HANDLEVER	1	1	1
1	196469	KNOB	1	1	1
2	15030	NUT-JAM, 5/8 UNF	1	1	1
3	196465	LEVER	1	1	1
4	192407	GAUGE-OIL PRESSURE	1	1	1
5	14712	CONNECTOR	1	1	1
6	15223	COTTER-1/8 X 1	3	3	3
7	196132	SPACER	1	1	1
8	196468	PIN	1	1	1
9	196134	TUBE	1	1	1
10	196114	HOUSING	1	1	1
11	196128	PIN	1	1	1
12	16445	UNION-BULKHEAD	1	1	1
13	14758	LOCKNUT	1	1	1
14	196129	U-BOLT	1	1	1
15	196130	SPACER	2	2	2
16	15155	LOCKWASHER-5/16	2	2	2
17	196035	CABLE-CONTROL 64"	1	1	..

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.		
			1	2	3
17	203227	CABLE-CONTROL 92"	..	..	1
18	165504	HOSE	1	1	..
18	205006	HOSE	..	..	1
19	201847	BRACKET	1	..	..
19	198933	BRACKET	..	1	..
19	222901	BRACKET	..	..	1
20	16805	CAPSCREW-3/8 UNC X 1 G5	9	..	4
20	16828	CAPSCREW-3/8 UNC X 1 1/4	..	8	..
21	15156	LOCKWASHER-3/8	9	8	4
22	201848	BRACKET	1	..	..
23	178779	NUT-3/8 UNC	5	8	5
24	16830	CAPSCREW-1/2 UNC X 1 1/4	1	1	1
25	15158	LOCKWASHER-1/2	1	1	1
26	236417	BRACKET-CABLE	1	1	1
27	62499	PIN-ROLL, 5/16 X 1 1/4	2	2	2
28	139	PIN-ROD END	1	1	1
29	15212	COTTER-3/32 X 3/4	1	1	1

HYSTER COMPANY
PORTLAND, OREGON

OIL FILTER

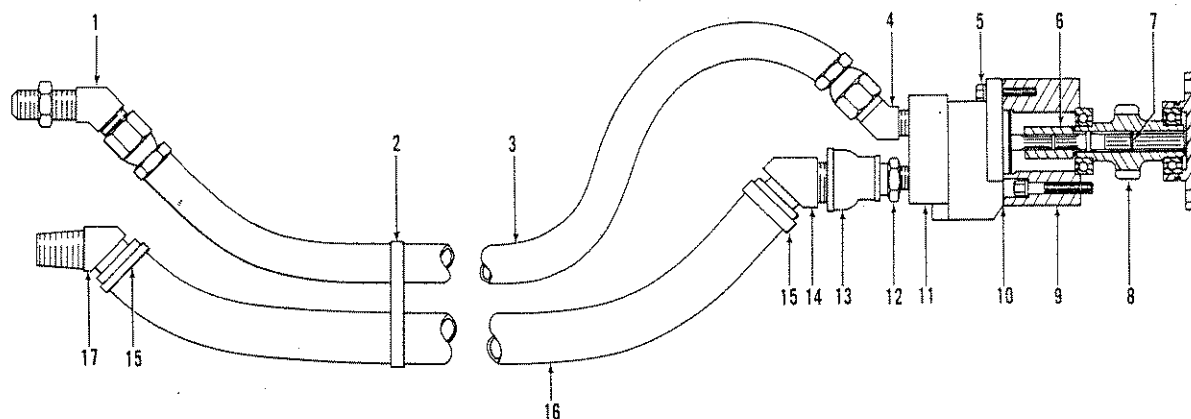


REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	147461	FILTER-HYDRAULIC	1
1	149295	HEAD	1
2	.....	VALVE-RELIEF	1
3	149297	O-RING 46629	1
4	149298	RING-BACK-UP 270880	1
5	147463	ELEMENT	1
6	149296	CASE	1
7	15057	NUT-7/16 UNC	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
8	15157	LOCKWASHER-7/16	2
9	201776	ELBOW	1
10	164642	ELBOW-45	1
11	16487	O-RING	2
12	16589	LOCKNUT	2
13	239885	CAPSCREW-7/16 UNC X 4 1/2 G5	2
14	198351	HOSE	2

PUMP DRIVE AND HOSES

FOR TRACTOR HD-11B SERIAL NO. 16001 AND UP



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	.....	ELBOW-45, SEE PAGE F1	1
2	18994	CLAMP-HOSE	2
3	195394	HOSE	1
4	66884	ELBOW-45	1
5	46698	CAPSCREW-3/8 UNC X 1 1/4 G5	2
5	15156	LOCKWASHER-3/8	2
6	204232	COUPLING-FEMALE	1
7	204231	COUPLING-MALE	1
8	.....	GEAR-COMES WITH TRACTOR	1
9	204233	ADAPTER-PUMP	1
10	204234	GASKET	1
11	.....	PUMP-SEE PAGE F7	1
12	* 16074	NIPPLE	1

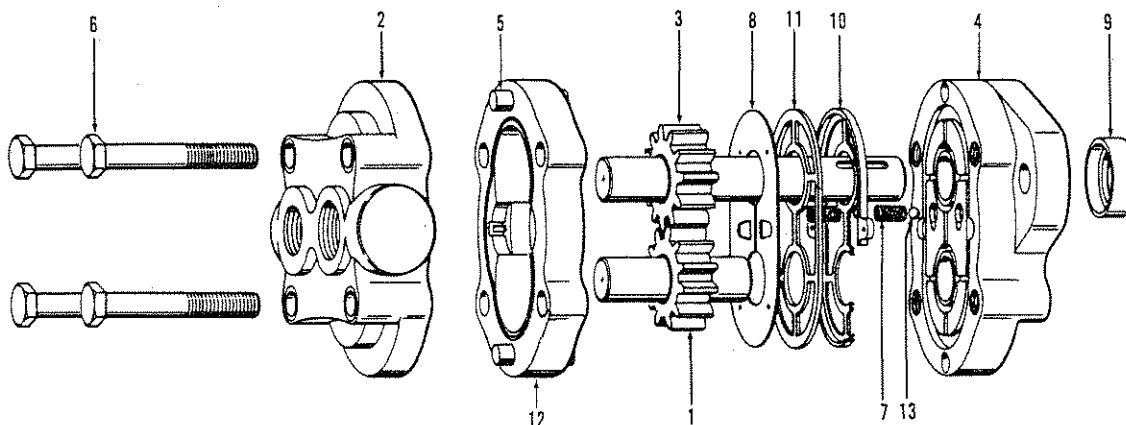
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
13	* 15387	NIPPLE	1
13	□ 155645	HOSE	1
14	* 111330	ELBOW-45	1
14	□ 248255	ELBOW-HOSE, 45	1
15	* 119236	CLAMP	2
15	□ 209639	CLAMP	4
16	204236	HOSE	1
17	111330	ELBOW-45	1

*LAST USED ON SERIAL NO. A124P-1509, ILLUSTR.

□FIRST USED ON SERIAL NO. A124P-1510 AND A123P-1501.

HYDRAULIC PUMP

FOR TRACTOR MODEL HD-11C



KEY

A-LAST USED ON SERIAL NO. A124P-1509, ILLUSTRATED.
B-FIRST USED ON SERIAL NO. A124P-1510.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	
			A	B
	204235	PUMP-HYDRAULIC <i>Below use</i>	1	..
	217915	PUMP-HYDRAULIC	..	1
1	207309	GEAR-IDLER	1	..
1	248649	GEAR-IDLER	..	1
2	207310	PLATE-BACK	1	..
3	207311	GEAR-DRIVE	1	..
3	248155	GEAR-DRIVE	..	1
4	207312	PLATE-FRONT	1	1
5	207313	PIN-DOWEL	2	..
5	245073	PIN-DOWEL	..	2
6	18513	CAPSCREW-5/16 UNC X 2 1/2	4	..

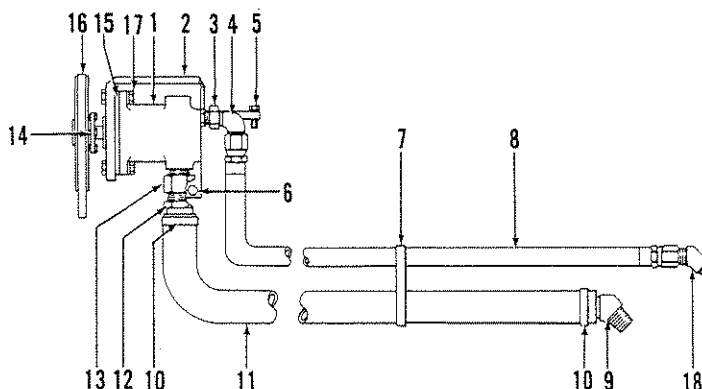
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	
			A	B
6	248156	CAPSCREW-SPECIAL	..	4
7	* 160759	SPRING	1	1
8	* 170187	DIAPHRAGM	1	1
9	* 170189	SEAL-SHAFT	1	1
10	* 207315	SEAL-DIAPHRAGM	1	1
11	* 207316	GASKET-PROTECTOR	1	1
11	207317	GASKET-BACK-UP	1	1
12	.....	BODY	1	1
13	* 68964	BALL-STEEL	1	1

*INCLUDED IN SEAL KIT 207314.

Pump Hose FTG CLAMP
USE 217915 155645 248255 209639
Coupling
USE 204232

PUMP DRIVE AND HOSES

FOR TRACTOR TD-15BP SERIAL NO. 25392 AND UP

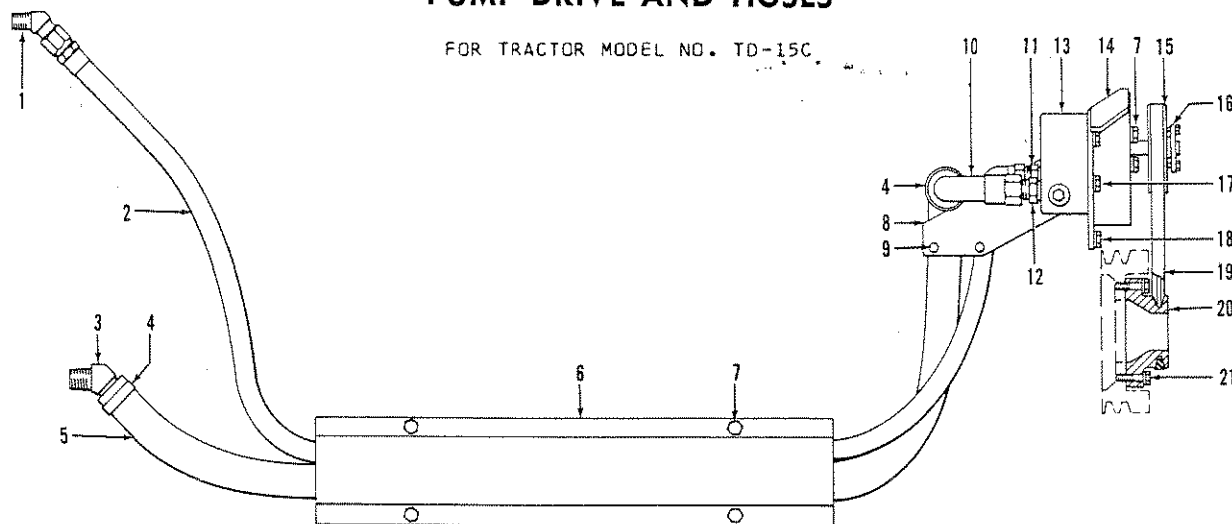


REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	.....	PUMP-PAGE F9	1
2	198919	BRACKET-PUMP	1
3	17346	CONNECTOR	1
4	83857	ELBOW	1
5	16805	CAPSCREW-3/8 UNC X 1 G5	3
5	15158	LOCKWASHER-1/2	3
6	16829	CAPSCREW-1/2 UNC X 1 G5	1
6	15158	LOCKWASHER-1/2	1
7	18994	CLAMP	2
8	187798	HOSE	1
9	111330	ELBOW-45 DEGREE, SPECIAL	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
10	119236	CLAMP-HOSE	1
11	198927	HOSE	1
12	17247	NIPPLE-HOSE	1
13	12499	ADAPTER	1
14	198925	SHEAVE	1
15	198042	SPACER	1
16	198924	DRIVE-BELT	1
17	16815	CAPSCREW-3/8 UNC X 1 1/2 G5	2
17	15156	LOCKWASHER-3/8	2
17	178779	NUT-3/8 UNC	2
18	.....	ELBOW-BULKHEAD, SEE PAGE F1	1

PUMP DRIVE AND HOSES

FOR TRACTOR MODEL NO. TD-15C



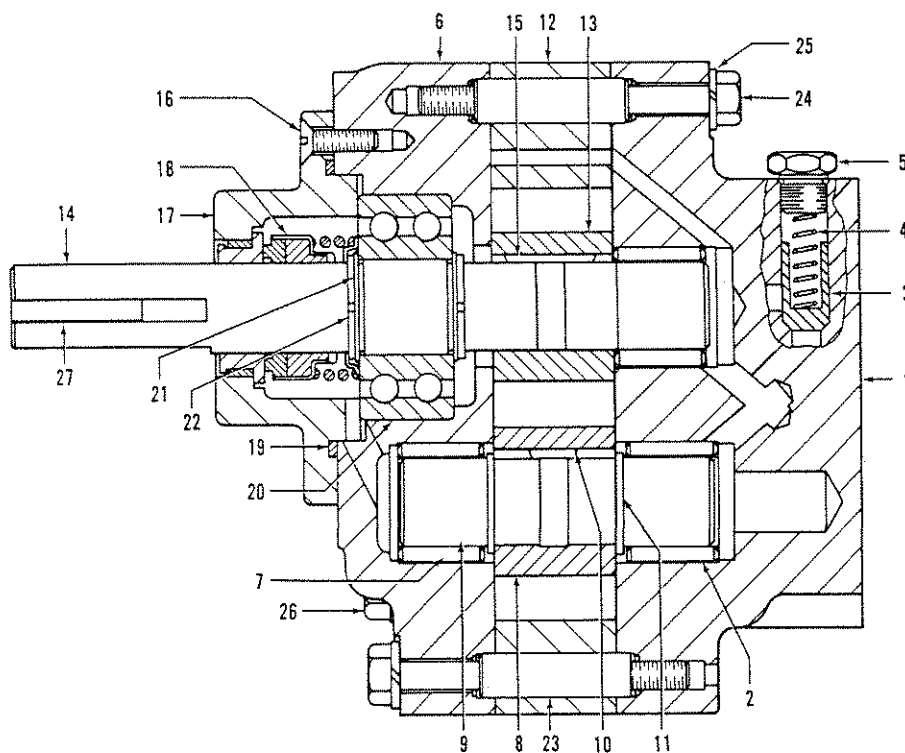
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	.....	ELBOW-45 DEGREE, PAGE F1 REF.63	1
2	210834	HOSE	1
3	237009	ELBOW-HOSE	1
4	209639	CLAMP-HOSE	2
5	210836	HOSE-SUCTION	1
6	237124	GUARD-HOSE	1
6	18994	CLAMP-HOSE	2
7	16828	CAPSCREW-3/8 UNC X 1 1/4	8
7	15156	LOCKWASHER-3/8	8
7	15134	WASHER-3/8	5
7	15056	NUT-3/8 UNC	8
8	228750	BRACE	1
9	18498	CAPSCREW-5/16 UNC X 1 1/4	2
9	15155	LOCKWASHER-5/16	2
9	49309	SPACER	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
10	210835	ELBOW-HOSE	1
11	17346	CONNECTOR	1
12	14685	CONNECTOR	1
13	.....	PUMP-PAGE F9	1
14	223471	BRACKET-PUMP	1
15	209023	SHEAVE	1
16	206194	BUSHING	1
17	18526	CAPSCREW-5/16 UNC X 4	3
17	15155	LOCKWASHER-5/16	3
18	18498	CAPSCREW-5/16 UNC X 1 1/4	1
18	15155	LOCKWASHER-5/16	1
19	236345	BELT-DRIVE	1
20	223470	PULLEY	1
21	16815	CAPSCREW-3/8 UNC X 1 1/2	4
21	15156	LOCKWASHER-3/8	4

HYSTER COMPANY
PORTLAND, OREGON

HYDRAULIC PUMP

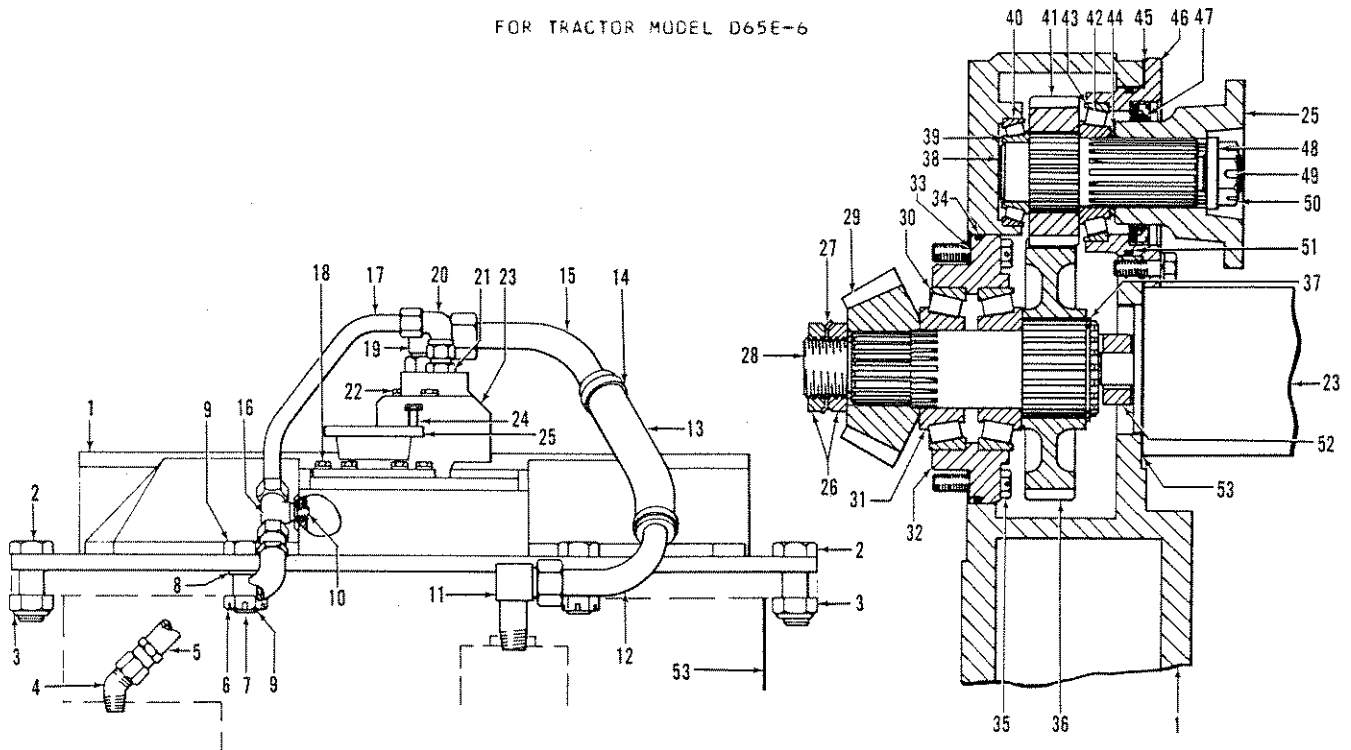
FOR TRACTOR MODEL TD-15B AND TD-15C



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4				1 2 3 4	
	192941	PUMP-HYDRAULIC	1	14	197005	SHAFT-DRIVE	1
1	196993	COVER	1	15	197006	KEY-SQUARE	1
2	196994	BEARING-NEEDLE	2	16	197008	CAPSCREW-NO. 10 UNC X 5/8	3
3	232797	VALVE	2	17	197010	PLATE-PILOT	1
4	196995	SPRING	2	18	197011	SEAL-ROTARY	1
5	232799	PLUG-VALVE	2	19	109607	O-RING	1
6	196996	BODY	1	20	197015	BEARING-BALL	1
7	196994	BEARING-NEEDLE	1	21	197016	WASHER	2
8	196998	GEAR-IDLER	1	22	197017	RING-DOWEL	2
8	197000	GEAR	1	23	197018	PIN-DOWEL	2
9	196999	SHAFT	1	24	18475	CAPSCREW-1/4 UNC X 2 1/2	2
10	197001	KEY	1	25	15154	LOCKWASHER-1/4	2
11	197002	RING-RETAINING	2	26	16782	CAPSCREW-5/16 UNC X 2 1/4	6
12	197003	PLATE-GEAR	1	26	15155	LOCKWASHER-5/16	6
12	197009	PLUG-PIPE	2	27	32415	KEY-NO. 7	1
13	197004	GEAR-DRIVE	1				

PUMP DRIVE AND HOSES

FOR TRACTOR MODEL D65E-6



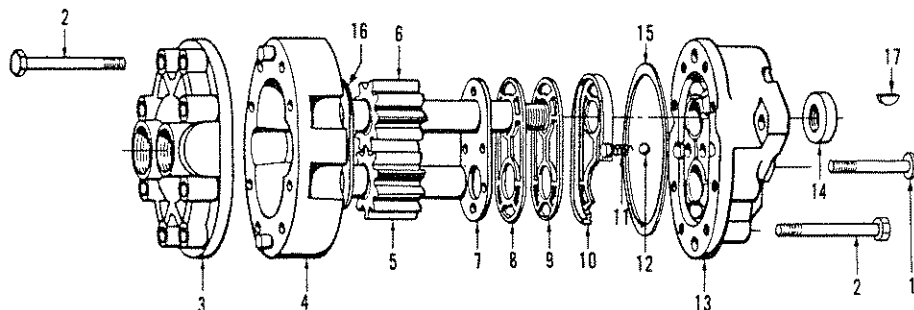
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	241438	ADAPTER HOUSING	1
2	17882	CAPSCREW-1 1/4 UNF X 3 1/4	2
2	221695	CAPSCREW-1 NF X 3, BOTTOM	4
3	221373	NUT-1 1/4 UNF	2
3	53157	NUT-1 NF	4
4	17307	ELBOW-45 DEGREE	1
5	76225	HOSE	1
6	134821	NUT-SLOTTED JAM	2
7	15248	COTTER-3/16 X 2 1/2	2
8	55434	O-RING	2
9	223400	CAPSCREW-SPECIAL	2
10	242829	PLUG-RESTRICTION	1
11	241448	ELBOW-LONG	1
12	223401	TUBE	1
13	194951	HOSE	1
14	209639	CLAMP-HOSE	2
15	223402	TUBE	1
16	242827	TEE-SPECIAL	1
17	253050	TUBE	1
18	16828	CAPSCREW-3/8 UNC X 1 1/4	6
18	15156	LOCKWASHER-3/8	6
19	16949	ELBOW	1
19	16983	O-RING	1
19	16980	LOCKNUT	1
20	83357	ELBOW	1
21	16543	CONNECTOR	1
21		O-RING	1
22	18549	CAPSCREW-3/8 UNC X 5	2
22	15156	LOCKWASHER-3/8	2
23	.....	PUMP-PAGE	1
24	221511	CAPSCREW-3/8 UNF X 2	4
24	15026	NUT-JAM, 3/8 UNF	4

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
25	159906	YOKE	1
26	21043	LOCKNUT-BEARING	2
27	21042	LOCKWASHER-BEARING	1
28	240176	SHAFT	1
29	96020	GEAR-BEVEL, PTO	1
30	30068	CUP-BEARING	2
31	30145	CONE-BEARING	2
32	241441	CARRIER-BEARING, PTO	1
33	134078	SHIM-.005	AR
33	134079	SHIM-.007	AR
34	90937	O-RING	1
35	169671	CAPSCREW-SPECIAL	6
35	.....	LOCKWIRE	6
36	165338	GEAR	1
37	12940	SNAP RING	1
38	240195	SHAFT	1
39	220437	CONE-BEARING	1
40	230426	CUP-BEARING	1
41	240175	PINION	1
42	30279	CONE-BEARING	1
43	30055	CUP-BEARING	1
44	30575	SNAP RING	1
45	242325	SHIM-.005	AR
45	242825	SHIM-.007	AR
46	241442	CARRIER-BEARING	1
47	156223	SEAL	1
48	234045	WASHER	1
49	15227	COTTER-1/8 X 2	1
50	249289	NUT-SLOTTED	1
51	15885	O-RING	1
52	241440	COUPLING	1
53	.....	FRAME-WINCH	1

HYSTER COMPANY
PORTLAND, OREGON

HYDRAULIC PUMP

FOR TRACTOR MODEL D65E-6



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
	239510	PUMP	1
1	184130	CAPSCREW-5/16 UNC X 3	2
2	184131	CAPSCREW-5/16 UNC X 2 1/2	4
3	184125	PLATE-BACK	1
4	184126	BODY	1
4	184129	PIN-DOWEL	2
5	184127	GEAR-IDLER	1
6	184128	GEAR-DRIVE	1
7	* 184134	DIAPHRAGM	1
8	* 184133	GASKET-BACK-UP	1
9	* 184139	GASKET-PROTECTOR	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
10	* 184136	SEAL-DIAPHRAGM	1
11	* 160759	SPRING	1
12	* 68964	BALL	1
13	184124	PLATE-FRONT	1
14	* 184135	SEAL-SHAFT	1
15	* 184138	O-RING	2
16	* 184137	PLATE-THRUST	1
17	184123	KEY	1

*INCLUDED IN SEAL REPAIR KIT 184132.

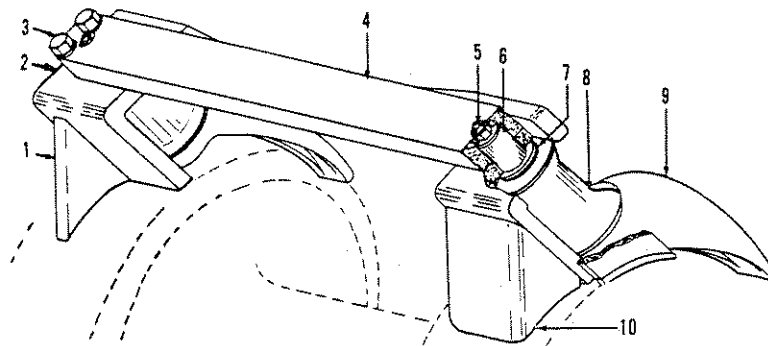
Section G

OPTIONAL EQUIPMENT

INDEX

CABLE GUIDE ROLLERS _____	G1
FAIRLEAD _____	G1
FREE SPOOL HANDLING GEAR _____	G2
OPTIONAL ACCESSORIES _____	G2

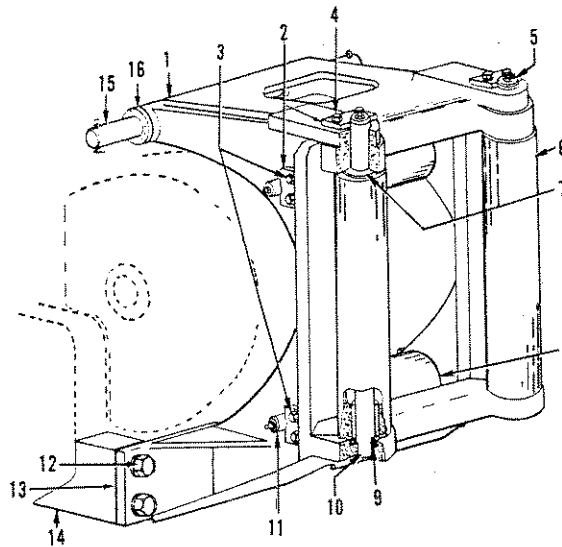
CABLE GUIDE ROLLERS



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
	95896 A	ROLLER-CABLE GUIDE	1
1	95892	GUSSET-RH BRACKET	1
2	95883 W	BRACKET-RH ROLLER	1
2	95891	GUSSET	1
3	16645	CAPSCREW-5/8 UNF X 2 1/4 G5	4
3	15160	LOCKWASHER-5/8	4
4	95898 W	GUARD-CABLE	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
5	16006	FITTING-GREASE	2
6	95669	PIN-ROLLER	2
7	95668	WASHER	6
8	95666 A	ROLLER	2
8	35135	BUSHING	2
9	95879 W	BRACKET-LH ROLLER	1
10	95890	BRACKET-LH	1

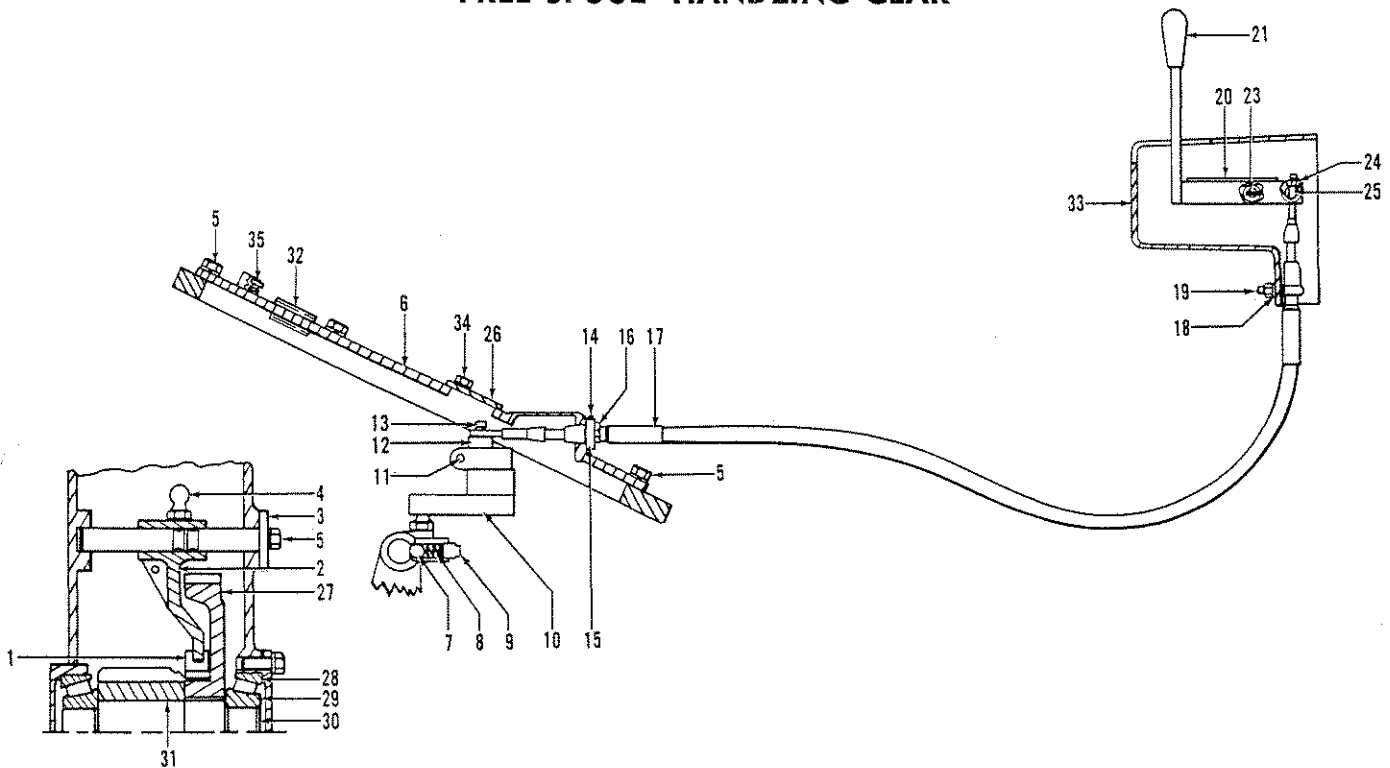
FAIRLEAD



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
	152993	FAIRLEAD	1
1	152995	FRAME	1
2	93166	KEEPER	4
3	15514	CAPSCREW-1/2 UNF X 1 1/4	4
3	15158	LOCKWASHER-1/2	4
4	15511	CAPSCREW-1/2 UNF X 1	4
4	15158	LOCKWASHER-1/2	4
5	16001	FITTING-GREASE	8
6	36206 A	ROLLER-VERTICAL	2
6	2570	BUSHING	2
7	33394	WASHER	2
8	92212 A	ROLLER	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
8	59419	BUSHING	2
9	230336	GEARING-BALL, THRUST	2
10	96087	SHAFT-VERTICAL ROLLER	2
11	96086	SHAFT-HORIZONTAL ROLLER	2
11	92720	WASHER	4
12	15598	CAPSCREW-1 NF X 2 1/2	4
12	15166	LOCKWASHER-1	4
13	93878	SHIM-.134	AR
14	143292	BRACKET	2
15	.....	ROD-TIE SEE PAGE B1	1
15	.....	COTTER-3/8 X 3, SEE PAGE B1	2
16	173607	SPACER	2

FREE SPOOL HANDLING GEAR



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	151588	CLUTCH-DENTAL	1
2	151580	SHIFTER	1
3	151581	SHAFT-FREE SPOOL SHIFTER	1
4	151646	GASKET	1
5	151583	BALL STUD	1
6	15906	LOCKWASHER-5/8	1
7	178403	CAPSCREW-1/2 UNC X 1 G5	10
8	15158	LOCKWASHER-1/2	10
9	203233	COVER-TRANSMISSION	1
10	95958	GASKET	1
11	6348	BALL-DETENT	1
12	96375	SPRING-DETENT BALL	1
13	46578	PLUG-DRILLED HEAD	1
14	.....	LOCKWIRE	1
15	151584	CRANKSHAFT	1
16	18588	CAPSCREW-1/2 UNC X 1 1/2 G5	1
17	15158	LOCKWASHER-1/2	1
18	203239	CRANK	1
19	85749	SCREW-SHOULDER	1
20	62499	PIN-ROLL	1
21	236417	BRACKET-CABLE	1
22	18586	CAPSCREW-1/2 UNC X 7/8 G5	1
23	15158	LOCKWASHER-1/2	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
17	203248	CABLE-PUSH PULL, FREESPOOL	1
18	196130	SPACER	2
19	196129	U-BOLT	1
20	15155	LOCKWASHER-5/16	2
21	196465	LEVER	1
22	190481	KNOB-3/8 UNF	1
23	196469	KNOB-1/2 UNC	1
24	15223	COTTER-1/8 X 1	1
25	15106	LOCKNUT-1/4 UNF	1
26	196128	PIN	1
27	151589	PLATE	1
28	151646	GASKET	1
29	96046	GEAR-INTER., STD. & SLO SPEED	1
30	30059	BEARING CUP	2
31	30058	BEARING CONE	2
32	96042	SHAFT-INTERMEDIATE	1
33	96043 A	GEAR	1
34	15319	FITTING	1
35	.....	HOUSING-SEE PAGE F4	1
	18586	CAPSCREW-1/2 UNC X 7/8	2
	15158	LOCKWASHER-1/2	2
	21420	PLUG-BREATHER	1

OPTIONAL ACCESSORIES

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
*	206474	BRACKET-CANOPY MOUNTING	1
*	18665	CAPSCREW-1 UNC X 2	6
*	15166	LOCKWASHER-1	6

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
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*FOR TRACTOR MODEL HO-11B.

Section Q

NUMERICAL INDEX

USE HYSTER APPROVED PARTS... *it pays*

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