

Allied Systems
COMPANY
WINCH DIVISION

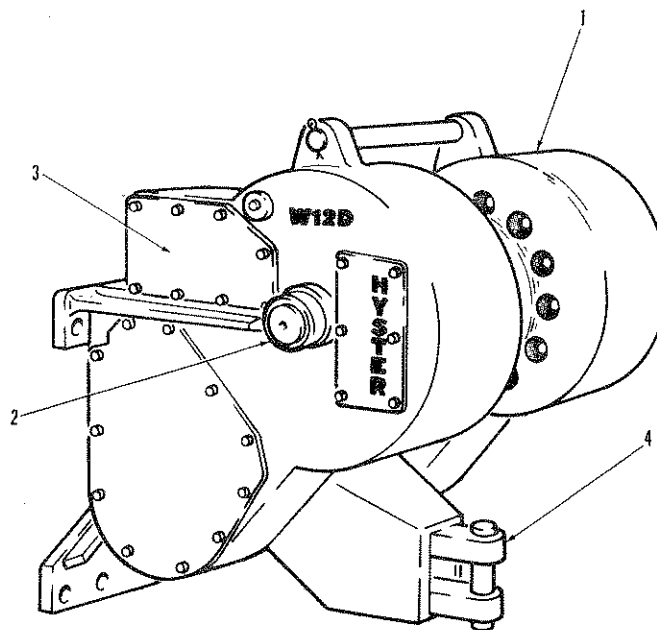
PARTS MANUAL

**TOWING WINCH
W12D
POWER CONTROL**



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ILLUSTRATED INDEX



USED ON-	MAKE	MODEL	SERIAL NUMBER
	CATERPILLAR	D8	22A, 35A, 36A, 46A, 52A, 68A, 77V
	CATERPILLAR	D9	66A, 90V
	CATERPILLAR	583	61A
	CATERPILLAR	594	62H
	FIAT-ALLIS	21-B	16001 UP
	INTERNATIONAL	TD-25C	2011 UP
	KOMATSU	D155A-1	ALL SERIAL NUMBERS
	TEREX	82-30	48734 UP
	TEREX	82-30B	ALL SERIAL NUMBERS
	TEREX	82-40	53122 UP
	TEREX	82-50	ALL SERIAL NUMBERS

REF	ITEM	PAGE
1	FRAME, COVERS, AND MOUNTING	1B02
2	GEAR TRAIN AND SHAFTS	1C02
3	BRAKE AND HYDRAULIC SYSTEM	1D02
4	OPTIONAL	1F02
5	NUMERICAL INDEX	G02

USE HYSTER APPROVED PARTS... it pays

ALPHABETICAL INDEX

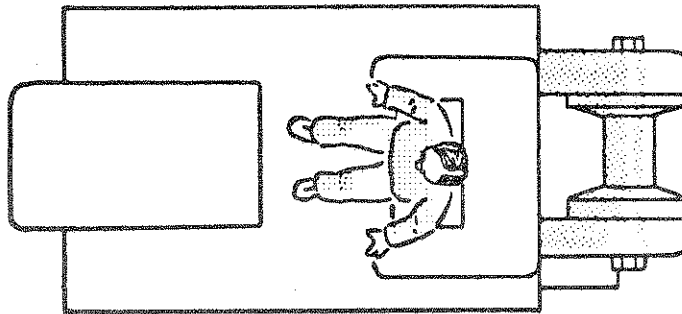
BRAKE GEAR SHAFT.....	1C05-1C06	FILTER AND HOSES.....	1E04
BRAKE AND HYDRAULIC SYSTEM.....	1D03-1D06	FRAMES AND COVERS.....	1B03-1B04
BRAKE SHAFT.....	1C08	HANDLING GEAR.....	1D07-1D09
CABLE GUIDE ROLLS.....	1F04	HYDRAULIC PUMP.....	1E01-1E03
CABLE LOCK.....	1C10	INTERMEDIATE GEAR.....	1C07
CONTROL VALVE.....	1E05-1E06	MOUNTING STUDS.....	1B06-1B07
CHECK VALVE.....	1D04	OIL BRAKE.....	1C09
CLUTCH.....	1C07	POWER TAKE-OFF.....	1C03-1C04
DRUM SHAFT.....	1C10	PUMP DRIVE AND HOSES.....	1D10-1D14
DUMP VALVE.....	1D10	SWIVELING DRAWBAR.....	1E04
FAIRLEAD.....	1F03	TRACTOR ALTERATIONS.....	1B08-1B09

UNIT IDENTIFICATION**UNIT SERIAL NO.**

X	O	X	0000	X
(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 Illustration 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.**

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

HOW TO USE THE ILLUSTRATED PARTS MANUAL

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

It also includes all parts peculiar to units built in overseas plants. These parts are indicated by keys, symbols and footnotes.

3 **ALPHABETICAL INDEX**

INDEX GLASS SHEET
BRAKE AND HYDRAULIC SYSTEM
BRAKE AUTOMATIC
BRAKE MECHANISM

4

5 **NUMERICAL INDEX**

1 **ILLUSTRATED INDEX**

2

6 **KEY**

A-FOR TRACTOR MODEL HC-100
B-FOR TRACTOR MODEL IC-200
C-FOR TRACTOR MODEL D55A
D-FOR TRACTOR MODEL R2-20

7

8

HAND

USE HYSTER APPROVED PARTS... it pays

When The Part Number And Next Higher Assembly Is Not Known:

1. USE: Determine the function and application of the part required. Turn to the illustrated index page immediately behind the front cover, and select the most appropriate area.
2. Line up the black arrow containing the appropriate reference number, with the black tab on the division index page with the same reference number. Use the division 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 Not Known And Next Higher Assembly Is Known:

3. Determine the assembly the required part is used on. Turn to the alphabetical index immediately following the illustrated index.
4. Locate the assembly the required part is used on and turn to the page indicated for that assembly. Proceed then to locate the part on the assembly breakdown page.

When The Part Number Is Known:

5. Use the numerical index to find the part number. Turn to the page listed and locate the part as indicated by the reference number.

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

6. Keys are used to show effective serial numbers, two or more similar assemblies, RH and LH assembly parts, etc. Select the appropriate key, "A", "B", "C" or "D" and the corresponding quantity column to find the required part.
7. 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.
8. Quantities shown are for one assembly. Note that three assemblies are shown, but the quantities of the sub-parts are indicated as one and two. This means one and two per assembly.

ORDERING PARTS: When ordering replacement parts, give the unit serial number, part number, name of part and quantity required.

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

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

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FRAMES, COVERS AND MOUNTING STUDS

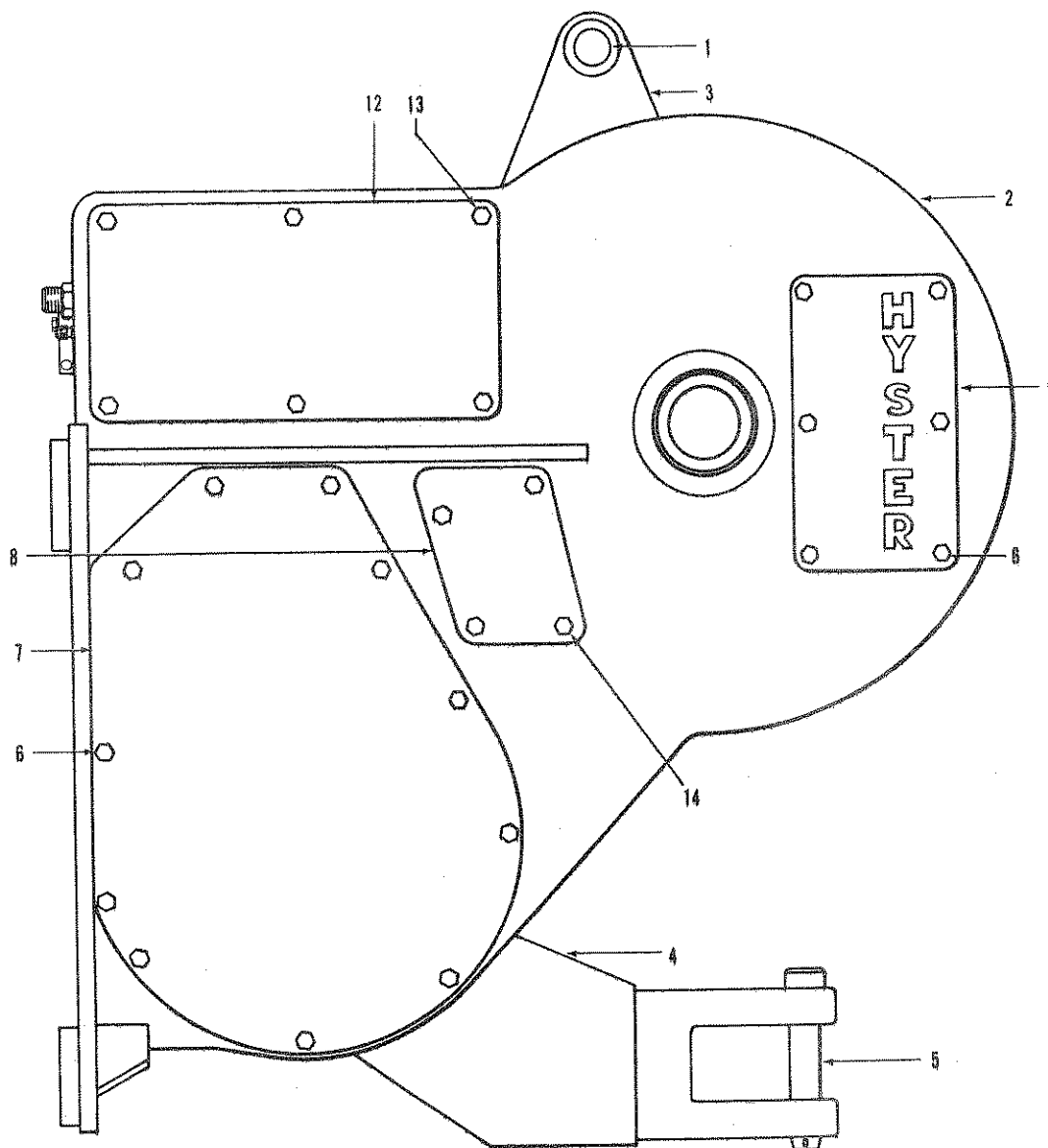
FRAMES AND COVERS-L.H. SIDE.....1B03
FRAMES AND COVERS-R.H. SIDE.....1B04
MOUNTING STUDS.....1B05-1B07
TRACTOR ALTERATIONS.....1B08-1B09

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

FRAMES AND COVERS

LEFT HAND SIDE



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	92606	ROD-TIE	1
1	15272	COTTER-3/8 X 3	1
2	.....	FRAME	1
3	173609	BRACKET-TIE ROD	1
4	182165	BRACKET-DRAWBAR	1
4	182859	BRACKET-DRAWBAR, SWIVEL	1
5	95959	PIN-DRAWBAR	1
5	15273	COTTER-3/8 X 2-1/2	1
6	178402	CAPSCREW	23
6	222091	LOCKWASHER	23
7	182192	PLATE-COVER	1
7	198379	PLATE-COVER	1
7	182193	GASKET	1
7	198383	GASKET	1
8	95446	PLATE-COVER	1
8	95447	GASKET-COVER	1
9	186459	PLATE-COVER	1
9	186460	GASKET	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
12	182234	COVER	1
12	164691	COVER	1
12	182235	GASKET	1
12	164708	GASKET	1
13	252928	CAPSCREW	8
13	222087	LOCKWASHER	8
14	178402	CAPSCREW	6
14	222091	LOCKWASHER	6
15	178106	DECAL-OIL BRAKE	1
16	198874	DECAL-MODEL	2
17	187189	PLATE-FILTER SERVICE	1

*FIRST USED ON SERIAL NO. D68P-1621 AND OTHER SERIES OF W12D WINCHES.

1 LAST USED ON SERIAL NO. D68P-1620.

2 INCLUDED IN GASKET KIT 209005.

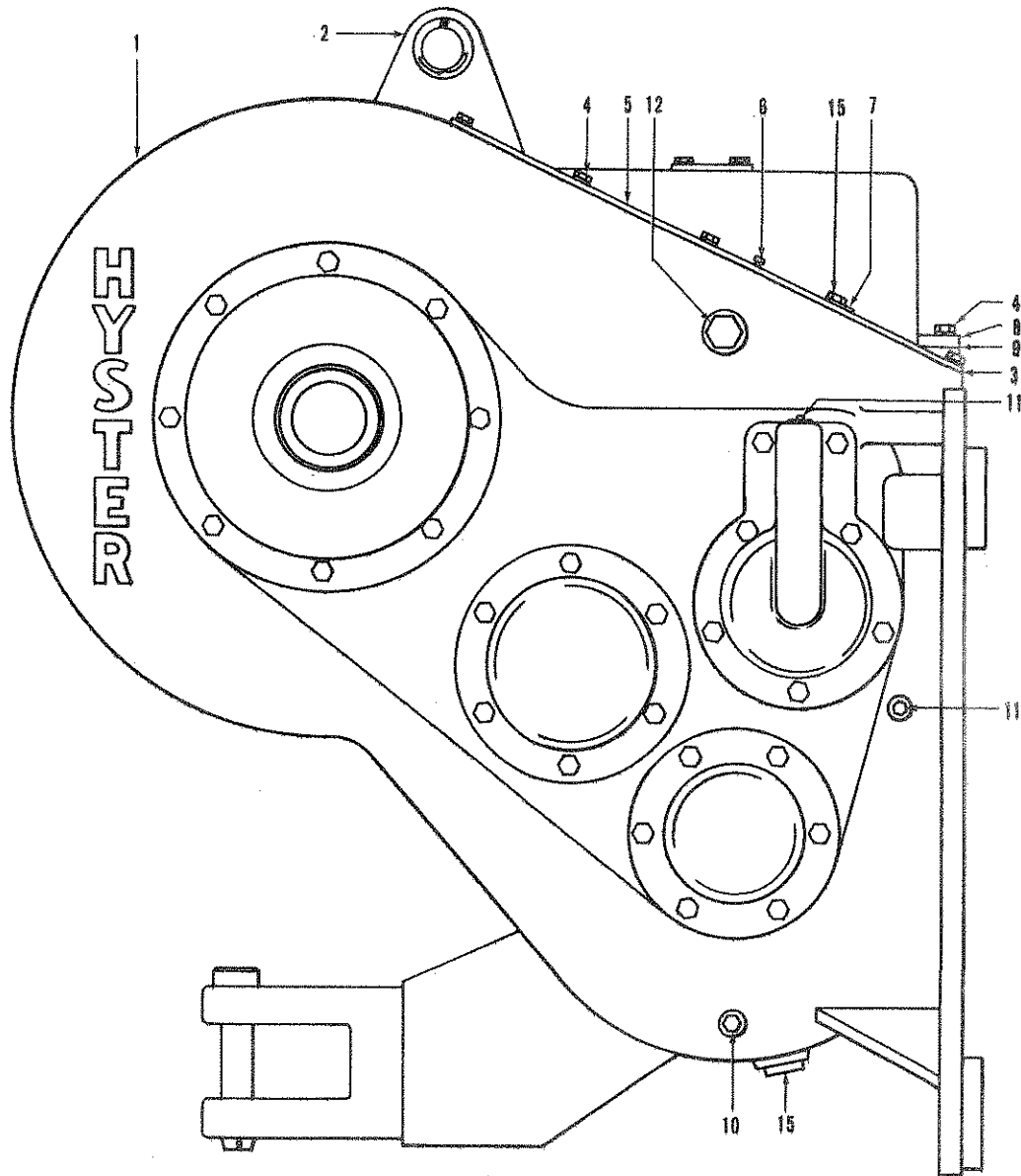
Rev: 3/92

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PARTS OPERATIONS
Danville, Illinois 61832

FRAMES AND COVERS

RIGHT HAND SIDE



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	*****	FRAME	1
2	173609	BRACKET-TIE ROD	1
3	* 95455	GASKET	1
4	178402	CAPSCREW-1/2 UNC X 1 1/4 G5	17
4	178402	CAPSCREW-1/2 UNC X 1 1/4 G5	21
4	15158	LOCKWASHER-1/2	17
4	15158	LOCKWASHER-1/2	21
5	195408	COVER	1
6	21420	PLUG-VENT	1
7	15319	PLUG-PIPE, 1 1/2	1
8	182194	PLATE-COVER	1
8	206022	PLATE-COVER	1
8	227473	PLATE-COVER	1
9	182195	GASKET-COVER	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
9	206023	GASKET-COVER	1
9	* 227472	GASKET-COVER	1
10	10389	PLUG-PIPE, MAGNETIC	1
11	10389	PLUG-PIPE, 3/8	2
12	166954	NUT-FLANGED, LOCK	2
13	15306	PLUG-PIPE	1
14	15319	PLUG-PIPE	2

*INCLUDED IN GASKET KIT 209005.

†FIRST USED ON SERIAL NO. D68P-1621.

‡FIRST USED ON SERIAL NO. A132P-1531.

A134P-1564, A140P-1599, A141P-1539, AND D68P-2129.

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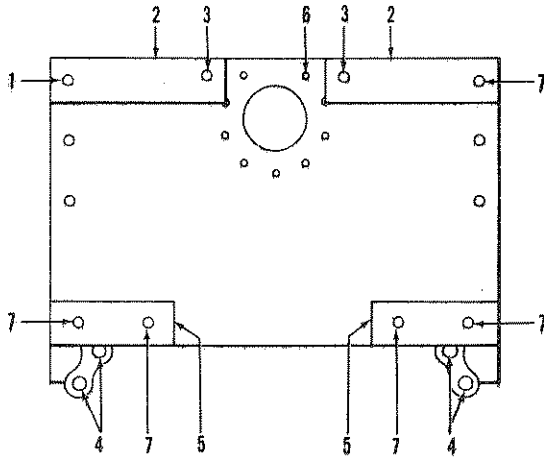
PARTS OPERATIONS

Danville, Illinois 61832

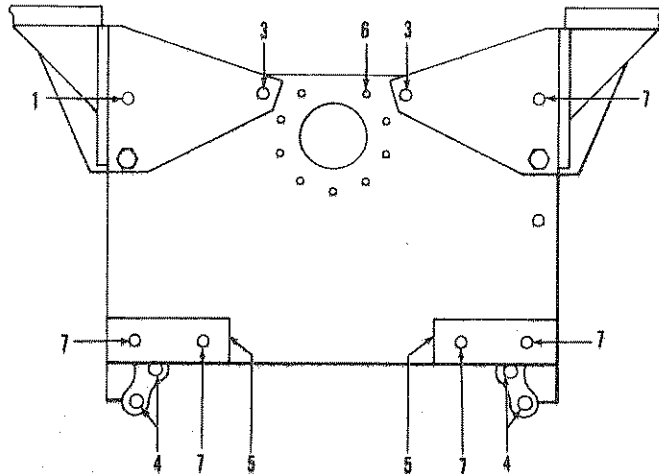
MOUNTING STUDS

FOR TRACTOR MODEL HD-21

WITHOUT CANOPY MOUNTING BRACKET



WITH CANOPY MOUNTING BRACKET



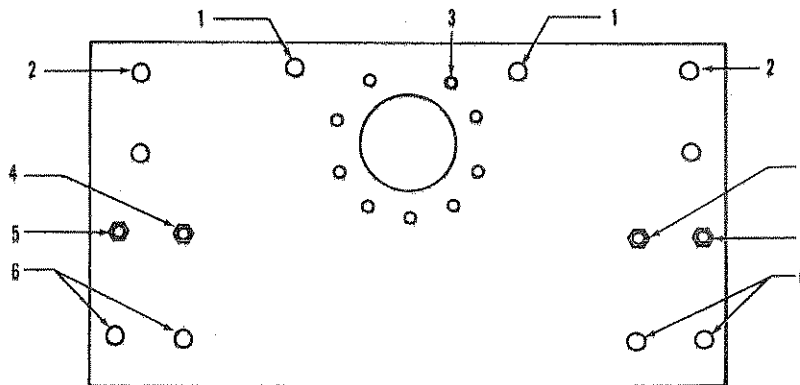
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	* 217624	STUD-DRILLED	1
1	223453	SHIM-.020	AR
1	221373	LOCKNUT-1 1/4 UNF	1
2	217626	PLATE	2
3	* 217624	STUD-DRILLED	2
3	55434	O-RING	2
3	223453	SHIM-.020	12
3	134821	NUT-SLOTTED JAM	2
3	15240	PIN-5/32 X 2-1/2	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
4	18849	PLUG	4
5	217625	PLATE	2
6	192949	PLUG	9
7	* 216224	STUD	5
7	221373	LOCKNUT-1 1/4 UNF	5
7	223453	SHIM-.020	AR

*REQUIRES LOCTITE KIT 230064.

MOUNTING STUDS

FOR TRACTOR MODEL TD-25C



KEY

A-USED ON TRACTOR SERIAL NO.001223 TO 002010 INCL.
B-USED ON TRACTOR SERIAL NO 002011 & UP.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	A B
1	9059	NUT-SLOTTED	2 2
1	15283	COTTER-5/32 X 3	2 2
1	55287	O-RING	2 2
1	198051	STUD-DRILLED	2 2
2	230464	STUD	2 2
2	221377	NUT-LOCK 1-1/2 UNF	2 2
3	87242	PLUG	9 9

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	A B
4	230465	PLUG	2 2
4	15866	O-RING	2 2
5	18849	PLUG-CORK	2 2
6		STUD-EXISTING	4 4
6	221377	NUT-LOCK 1-1/2 UNF	4 4

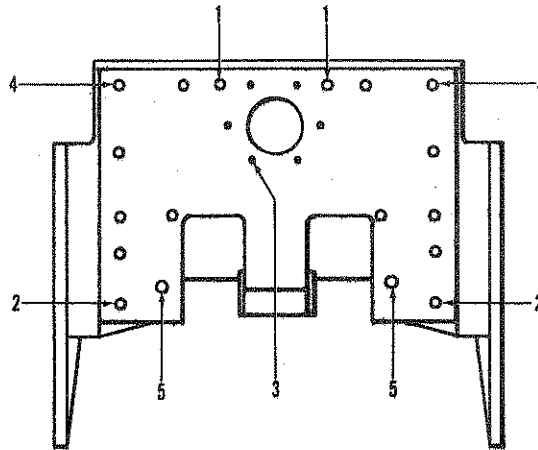
*REQUIRES LOCTITE KIT 230064.

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PARTS OPERATIONS
Danville, Illinois 61832

MOUNTING STUDS

FOR TRACTOR MODEL D155

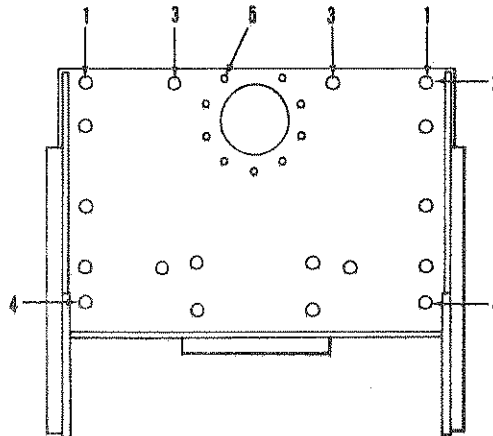


REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	213036	STUD	2
1	15283	COTTER-5/32 X 3	2
1	55287	O-RING	2
1	9059	NUT-SLOTTED	2
2	213037	STUD	2
2	136405	NUT, 1 1/2 UNF G5	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
2	15170	LOCKWASHER-1 1/2	2
3	18000	PLUG-CORK	6
4	224025	STUD	2
4	221371	LOCKNUT	2
5	18849	PLUG	10

MOUNTING STUDS

FOR TRACTOR MODEL 82-30, 82-40, 82-30B, AND 82-50



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	244436	STUD	2
1	134821	NUT	2
1	15240	PIN	2
2	55434	O-RING	1
3	198929	STUD	2
3	55434	O-RING	2

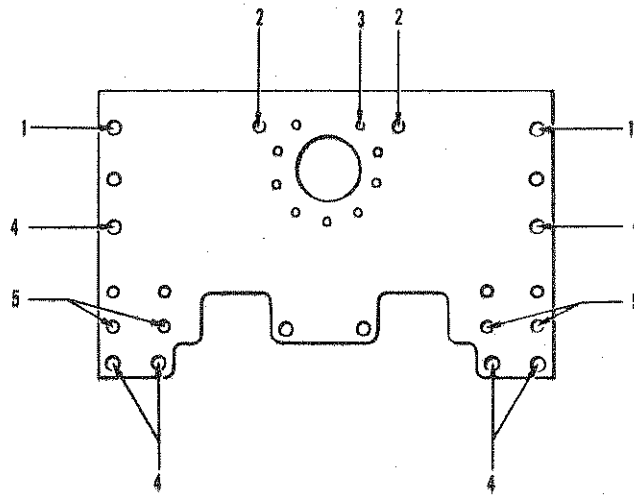
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
3	15240	PIN-5/32 X 2-1/2	2
3	134821	NUT-SLOTTED JAM	2
4	244437	CAPSCREW-1 1/2 UNC X 3 1/4	2
4	15170	WASHER	2
5	18000	PLUG-CORK	9

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PARTS OPERATIONS
Danville, Illinois 61832

MOUNTING STUDS

FOR DB TRACTOR SERIAL NO. 22A1 AND UP, 35A1 AND UP, 36A1 AND UP, 46A1 AND UP, 68A1003 AND UP, 77V1 AND UP, DBH TRACTORS WITH OPTIONAL RIP DOZER AND 583 PIPELAYER

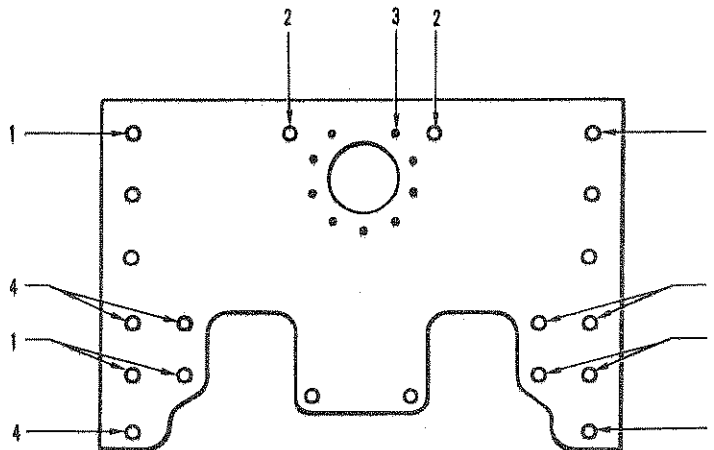


REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	211513	STUD	2
1	136405	NUT-1 1/2 UNF	2
1	15170	LOCKWASHER-1 1/2	2
2	211234	STUD	2
2	134821	NUT-SLOTTED	2
2	15240	COTTER-5/32 X 2 1/2	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
2	55434	O-RING	2
3	136385	PLUG	9
4	18849	PLUG-CORK #20	6
5	211235	STUD	4
5	15018	NUT-1 1/4 UNF	4
5	15168	LOCKWASHER-1 1/4	4

MOUNTING STUDS

FOR D9 TRACTOR SERIAL NO. 66A1 AND UP, D9 TRACTORS WITH OPTIONAL RIP DOZER AND 594 PIPELAYER



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	211513	STUD	6
1	15170	LOCKWASHER-1 1/2	6
1	136405	NUT-1 1/2 UNF	6
2	211234	STUD	2
2	55434	O-RING	2

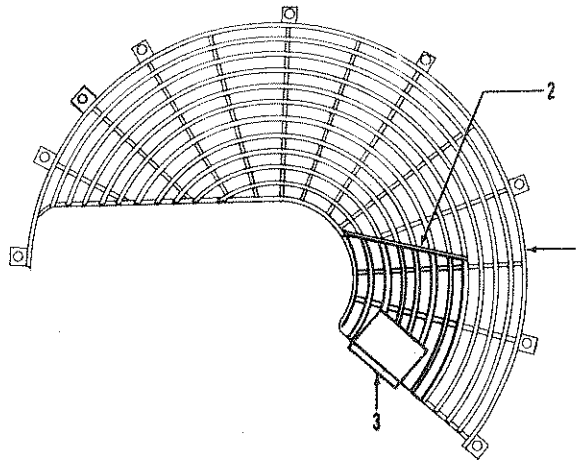
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
2	134821	NUT-SLOTTED JAM, 1 1/4 UNF	2
2	15240	COTTER-5/32 X 2 1/2	2
3	136385	PLUG-STEEL	9
4	18849	PLUG-CORK #20	6

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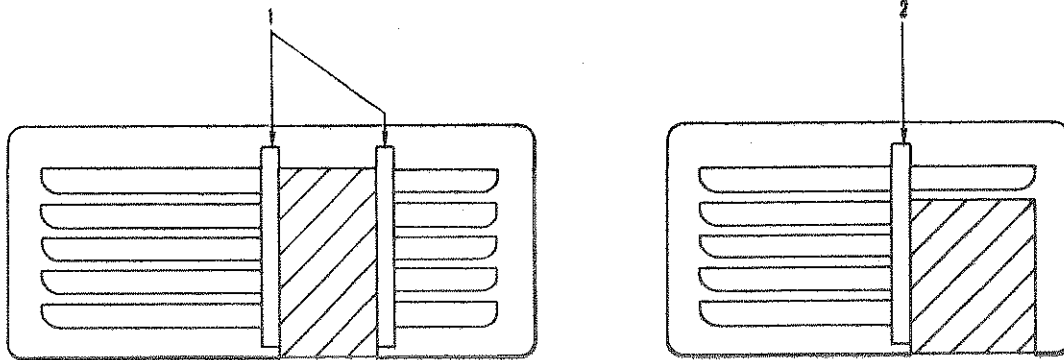
TRACTOR ALTERATIONS

FOR TRACTOR MODEL TD-25



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	.....	GUARD-FAN	1	3	268481	BRACKET	1
2	198056	ROD	1				

TRACTOR ALTERATIONS



KEY

A-FOR D9 TRACTOR SERIAL NO. 66A3266 AND UP.

B-FOR 594 PIPELAYER SERIAL NO. 62H1 AND UP, ILLUSTRATED.

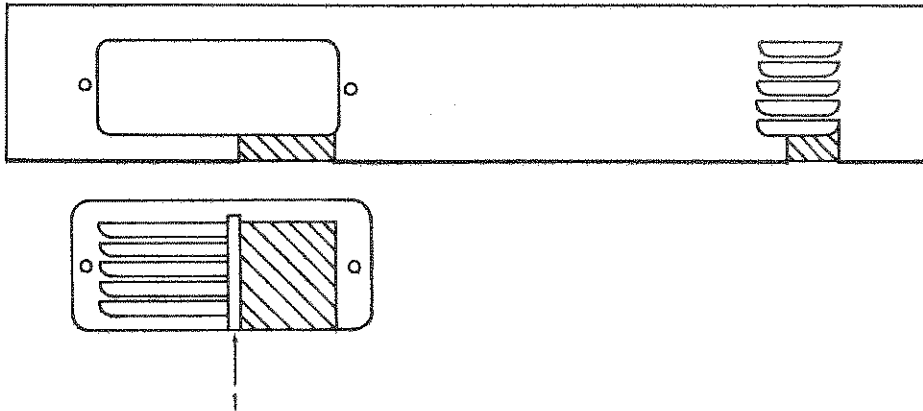
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
			A B				A B
1	135737	STRIP	2 1	2	135737	STRIP	.. 1

HYSTER COMPANY

 PARTS OPERATIONS
 Danville, Illinois 61832

TRACTOR ALTERATIONS

FOR D8 TRACTOR SERIAL NO. 36A3936 TO 36A4468 INCLUSIVE, 46A6288 TO 46A10724 INCLUSIVE AND D9 TRACTOR SERIAL NO. 66A1 TO 66A3265 INCLUSIVE

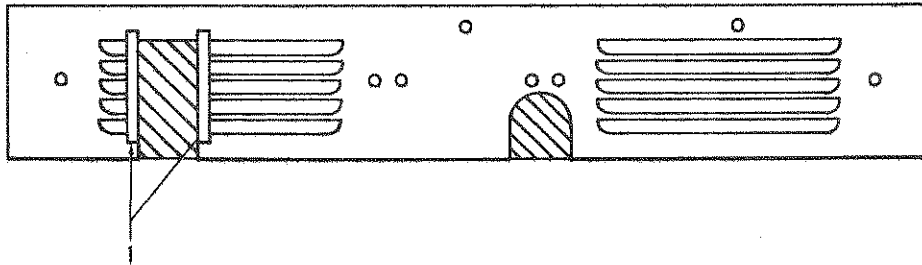


REF. NO.	HYSTER PART NO.	NAME OF PART				QTY.
		1	2	3	4	
1	135737	STRIP				1

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

TRACTOR ALTERATIONS

FOR D8 TRACTOR SERIAL NO. 36A4469 AND UP, 46A10725 AND UP, 68A1003 AND UP AND 583 PIPELAYER



REF. NO.	HYSTER PART NO.	NAME OF PART				QTY.
		1	2	3	4	
1	143398	STRIP-POWER CONTROL				2

REF. NO.	HYSTER PART NO.	NAME OF PART				QTY.
		1	2	3	4	
1	266826	STRIP-DIRECT DRIVE				1

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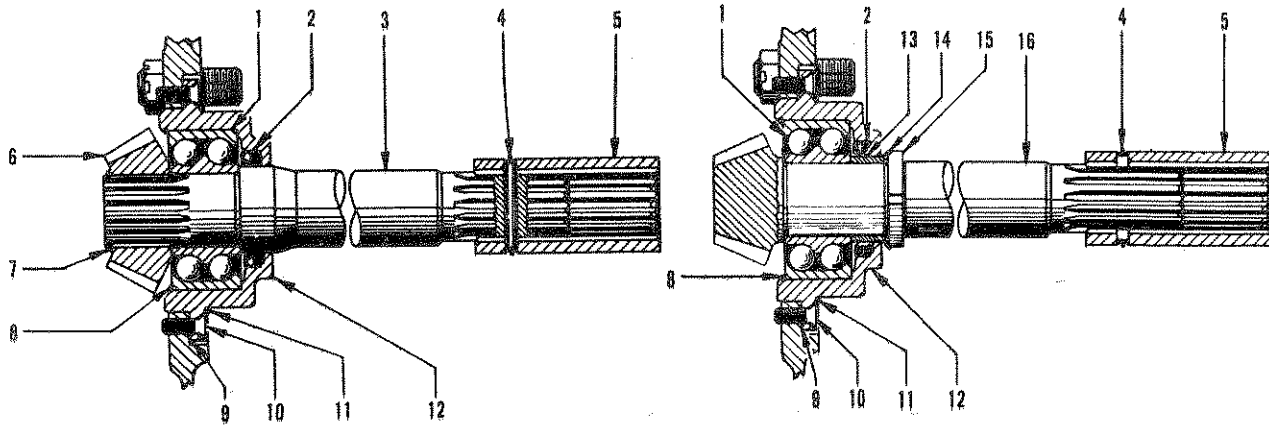
GEAR TRAIN AND SHAFTS

BEVEL GEAR SHAFT.....1C05-1C06
BRAKE SHAFT.....1C08
CABLE LOCK.....1C10
CLUTCH.....1C07
DRUM SHAFT.....1C10
INTERMEDIATE GEAR.....1C07
OIL BRAKE.....1C09
POWER TAKE-OFF.....1C03-1C04

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

POWER TAKE-OFF



KEY

A-FOR D8 TRACTOR SERIAL NO. 22A1 AND UP, 35A1 AND UP, 36A1 AND UP AND 52A1 AND UP.
 B-FOR D8 TRACTOR SERIAL NO. 46A1 AND UP, 68A1 AND UP, 583 PIPELAYER AND 77V1 AND UP.
 C-FOR D9 TRACTOR SERIAL NO. 66A1 AND UP, 594 PIPELAYER AND 90V1 AND UP.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.		
			1	2	3
1	125402	BEARING	1	1	1
2	87355	SEAL-OIL	1	1	1
3	193587	SHAFT-P.T.O.	1	..	..
3	193590	SHAFT-P.T.O.	..	1	..
3	193589	SHAFT-P.T.O.	..	..	1
4	9450	PIN	1	1	1
4	90202	RING-LOCK	1	1	1
5	6327	COUPLING	1	1	1
6	95601	GEAR-SPIRAL	1	1	1
7	12940	SNAP RING	1	1	1
8	12981	SNAP RING	1	1	1
9	133256	SHIM-.005	2	2	AR
9	133257	SHIM-.007	2	2	AR

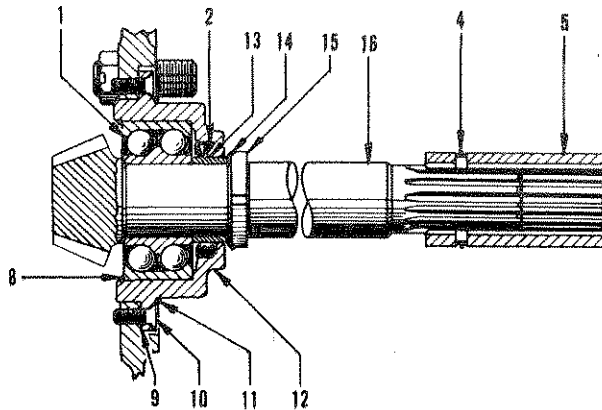
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.		
			1	2	3
9	133258	SHIM-.020	1	1	AR
10	146322	CAPSCREW	8	8	8
10	15929	LOCKWASHER-1/2	8	8	8
11	109453	O-RING	1	1	1
12	182191	CARRIER-BEARING	1	1	1
13	* 95813	SPACER	1	1	1
14	* 34055	LOCKWASHER	1	1	1
15	* 34056	LOCKNUT	1	1	1
16	* 95821	SHAFT-P.T.O.	1	..	..
16	* 95824	SHAFT-P.T.O.	..	1	..
16	* 95825	SHAFT-P.T.O.	..	..	1

*FOR LOW SPEED ONLY.

HYSTER COMPANY

PARTS OPERATIONS
 Danville, Illinois 61832

POWER TAKE-OFF



KEY

A-FOR TRACTOR MODEL HD-21.

B-FOR TRACTOR MODEL TD-25C.

C-FOR TRACTOR MODEL D155.

D-FOR TRACTOR MODEL 82-30, 82-40, 82-308, & 82-50

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			1	2	3	4
1	125402	BEARING	1	1	1	1
2	87355	SEAL-OIL	1	1	1	1
4	9450	PIN	1	..	..	..
4	198053	PIN	..	1	..	..
4	213147	PIN	..	..	1	..
4	90202	RING-LOCK	1	..	..	..
4	12946	RING-LOCK	..	1	..	..
4	173048	RING-LOCK	..	..	1	..
5	6327	COUPLING	1	..	..	..
5	198052	COUPLING	..	1	..	..
5	213146	COUPLING	..	..	1	..
8	12981	SNAP-RING	1	1	1	1
9	133256	SHIM-.005	AR	AR	AR	AR
9	133257	SHIM-.007	AR	AR	AR	AR
9	133258	SHIM-.020	AR	AR	AR	AR

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			1	2	3	4
10	146322	CPSCR.-1/2 UNC X 1 1/4	8	8	8	8
10	15929	LOCKWASHER-1/2	8	8	8	8
11	109453	O-RING	1	1	1	1
12	182191	CARRIER-BEARING	..	1	1	1
12	217623	CARRIER-BEARING	1	..	..	..
13	95813	SPACER	1	1	1	1
14	34055	LOCKWASHER	1	1	1	1
15	34056	LOCKNUT	1	1	1	1
16	217622	SHAFT-P.T.O.	1	..	..	..
16	198048	SHAFT-P.T.O.	..	1	..	..
16	213039	SHAFT-P.T.O.	..	..	1	..
16	244442	SHAFT-P.T.O. 82-30	..	..	..	1
16	244431	SHAFT-P.T.O. 82-40	..	..	..	1
16	260702	SHAFT-P.T.O. 82-308	..	..	..	1
16	226441	SHAFT-P.T.O. 82-50	..	..	..	1

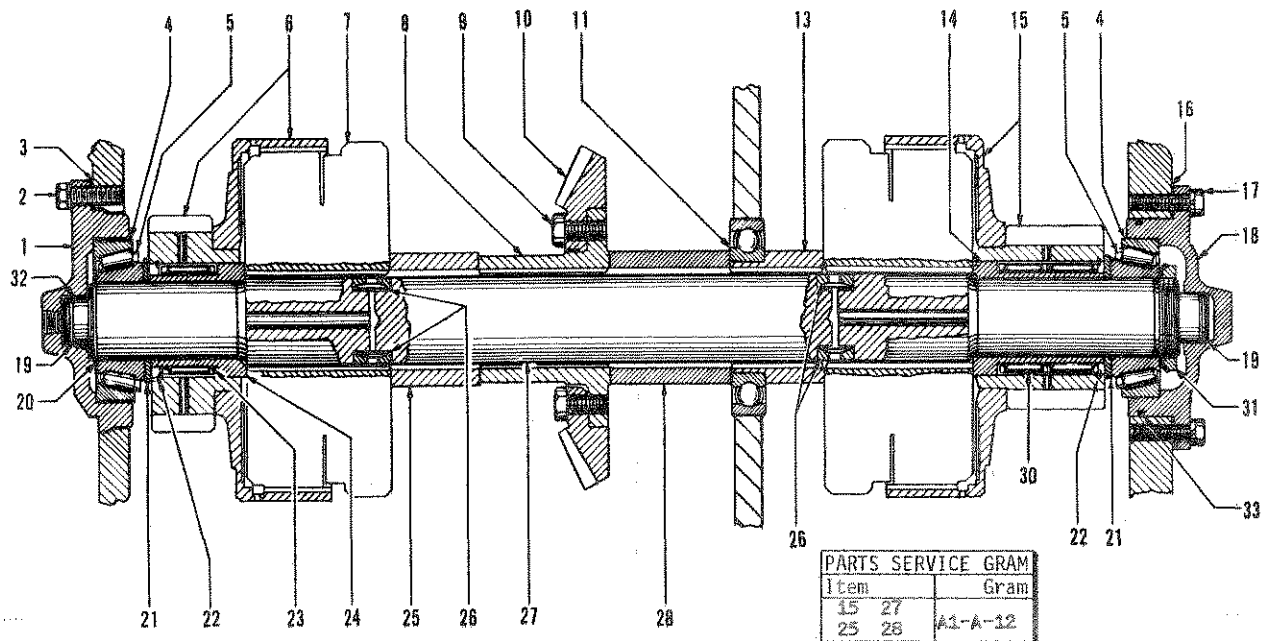
HYSTER COMPANY

PARTS OPERATIONS

Danville, Illinois 61832

BEVEL GEAR SHAFT

FOR TRACTOR MODEL HD-21, 82-30, 82-40, TD-25C AND D155A



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	131918	CARRIER-BEARING	1
2	182209	CAPSCREW-1/2 UNC X 1-1/2	5
2	15158	LOCKWASHER-1/2	5
3	131920	SHIM-.005	AR
3	131921	SHIM-.007	AR
3	131922	SHIM-.020	AR
4	30059	CUP-BEARING	2
5	30080	CONE-BEARING	2
6	193598	SPIDER-FORWARD	1
6	124137	PIN-GROOVE	2
7	.....	CLUTCH-PAGE 1C07	1
8	* 95761	HUB-BEVEL GEAR	1
8	# 211506	HUB-BEVEL GEAR	1
9	* 86079	CAPSCREW-DRILLED HEAD	1
9	*	LOCKWIRE-18 GAUGE X 18	1
9	# 248681	RIVET	8
10	* 95814	GEAR-SPIRAL BEVEL	1
10	# 211504	GEAR-SPIRAL BEVEL	1
10	# 209015	GEAR-SPIRAL BEVEL	1
11	41217	BEARING-BALL	1
13	242590	SPACER	1
14	95478	CARRIER-BEARING	1
15	193591	SPIDER-REVERSE	1
15	124137	PIN-GROOVE	2
16	133270	SHIM-.005	AR
16	133271	SHIM-.007	AR
16	133272	SHIM-.020	AR

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
17	182209	CAPSCREW-1/2 UNC X 1-1/2	7
17	222091	LOCKWASHER-1/2	7
18	95483	RETAINER-BEARING	1
18	15302	PLUG-PIPE, 3/8	1
19	95581	RING-SEAL	2
20	175192	SNAP RING	1
21	175189	WASHER	2
22	12990	SNAP RING	2
23	230393	BEARING-ROLLER	1
24	95464	CARRIER-BEARING	1
25	193601	SPACER	1
26	96736	SEAL-TWO TEETH	2
26	96737	SEAL-THREE TEETH	2
27	193608	SHAFT-BEVEL GEAR	1
28	193602	SPACER	1
30	230394	BEARING-ROLLER	2
31	175193	LOCKWASHER	1
31	32967	LOCKNUT	1
32	193604	SPACER	1
33	15895	O-RING	1

*LAST USED SERIAL NO. A134P-1521, A132P-1512, A140P-1515 AND A141P-1507.

#FIRST USED ON SERIAL NO. A134P-1522, A132P-1513, A140P-1516, A141P-1508.

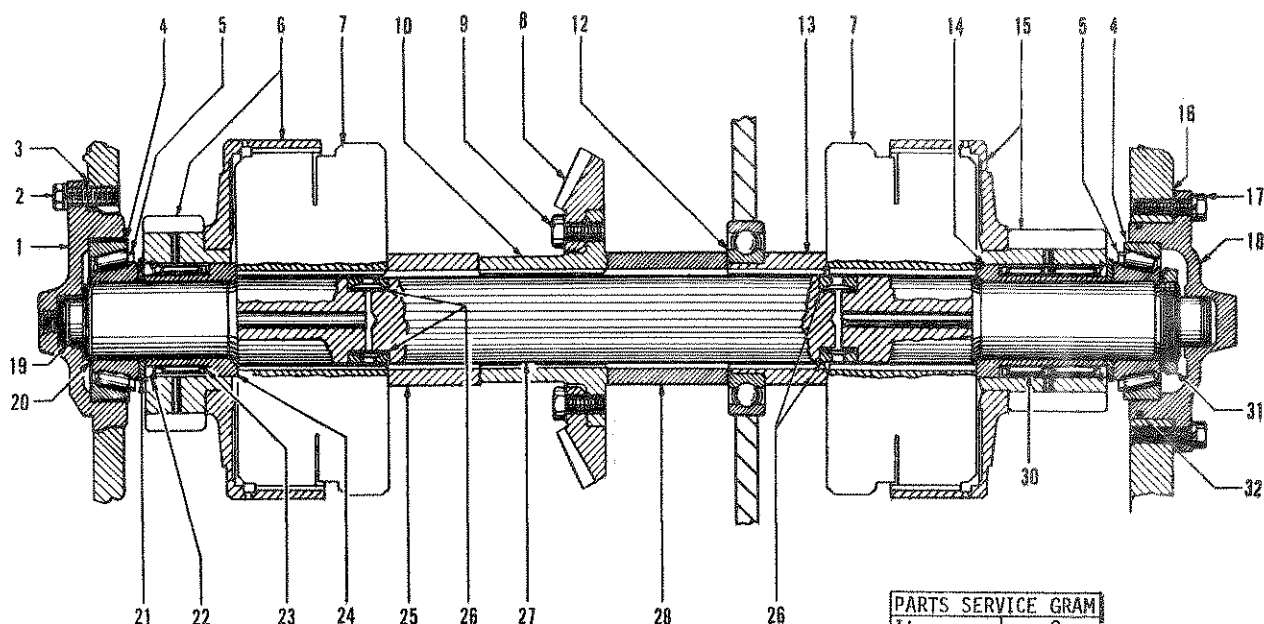
#INCLUDED IN BEVEL GEAR 209015.

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

BEVEL GEAR SHAFT

FOR D8, D9, 583 PIPELAYER, AND 594 PIPELAYER.



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	131918	CARRIER-BEARING	1
2	182209	CAPSCREW-1/2 UNC X 1 1/2 G5	5
2	15158	LOCKWASHER-1/2	5
3	131920	SHIM-.005	3
3	131921	SHIM-.007	4
3	131922	SHIM-.020	1
4	30059	CUP-BEARING	2
5	30080	CONE-BEARING	2
6	193598	SPIDER-FORWARD	1
6	193594	SPIDER-FORWARD, LOW SPEED	1
6	124137	GROOVE PIN	2
7	.....	CLUTCH-PAGE 1C07	1
8	95762	GEAR-SPIRAL BEVEL	1
8	95814	GEAR-SPIRAL BEVEL-LOW SPEED	1
8	209014	GEAR-SPIRAL BEVEL	1
8	209015	GEAR-SPIRAL BEVEL, LOW SPEED	1
8	95761	HUB-BEVEL GEAR	1
8	211506	HUB-BEVEL GEAR	1
9	86079	CAPSCREW-DRILLED HEAD G5	8
9	.....	LOCKWIRE-18 GAGE X 18 IN. LONG	1
9	248681	RIVET	8
12	41217	BEARING-BALL	1
13	242590	SPACER	1
14	95478	CARRIER-BEARING	1
15	193591	SPIDER-REVERSE	1

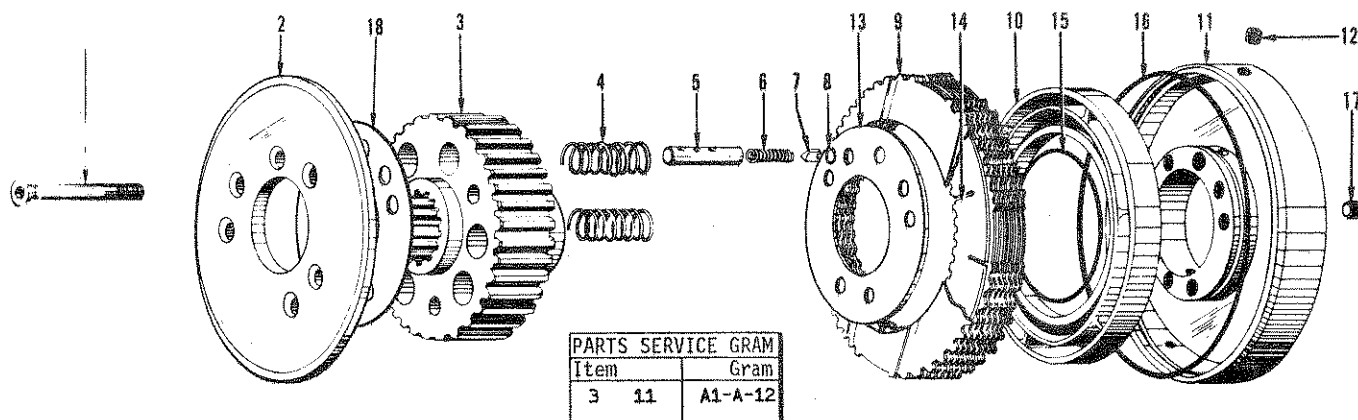
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
16	133270	SHIM-.005	4
16	133271	SHIM-.007	4
16	133272	SHIM-.020	1
17	182209	CAPSCREW-1/2 UNC X 1-1/2 G5	7
17	222091	LOCKWASHER	7
18	95483	RETAINER-BEARING	1
18	15302	PLUG-PIPE, 3/8	1
19	95581	RING-SEAL	2
20	175192	SNAP RING	1
21	175189	WASHER	2
22	12990	SNAP RING	2
23	230393	BEARING-ROLLER	1
24	95464	CARRIER-BEARING	1
25	193601	SPACER	1
26	96736	SEAL-TWO TEETH	2
26	96737	SEAL-THREE TEETH	2
27	193608	SHAFT-BEVEL GEAR	1
28	193602	SPACER	1
30	230394	BEARING-ROLLER	2
31	175193	LOCKWASHER	1
31	32967	LOCKNUT	1
32	15895	O-RING	1

*FIRST USED ON SERIAL NO. D68P-1792.
 *LAST USED ON SERIAL NO. D68P-1791.

HYSTER COMPANY

PARTS OPERATIONS
 Danville, Illinois 61832

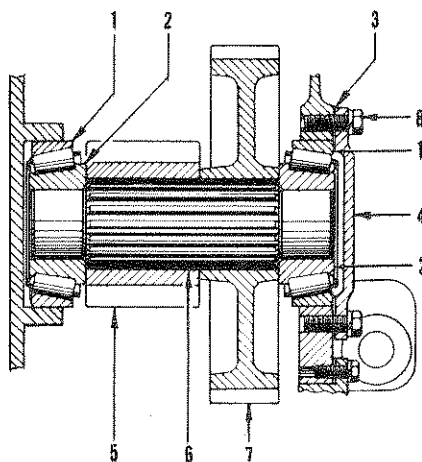
CLUTCH



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
	175197	CLUTCH	2
1	95474	CAPSCREW-SPECIAL	8
2	95473	SHIM-.007	2
3	175194	SHIM-.020	1
4	95472	SPRING	8
5	89772	BODY-VALVE	1
6	95833	SPRING	1
7	89771	PLUNGER	1
8	89770	SNAP RING	1
9	131923	DISC-FRICTION	8

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
10	95469	PISTON-CLUTCH	1
11	95468	PLATE-RETAINER	1
12	141348	PLUG-PIPE, 1/16	1
13	95467	RETAINER-SPRING	1
14	95471	PLATE-SEPARATOR	8
15	89776	O-RING	1
16	89775	O-RING	1
17	17118	SETSCREW-1/2 UNF X 1/2	8
18	96735	SHIM-.031	AR

INTERMEDIATE GEAR



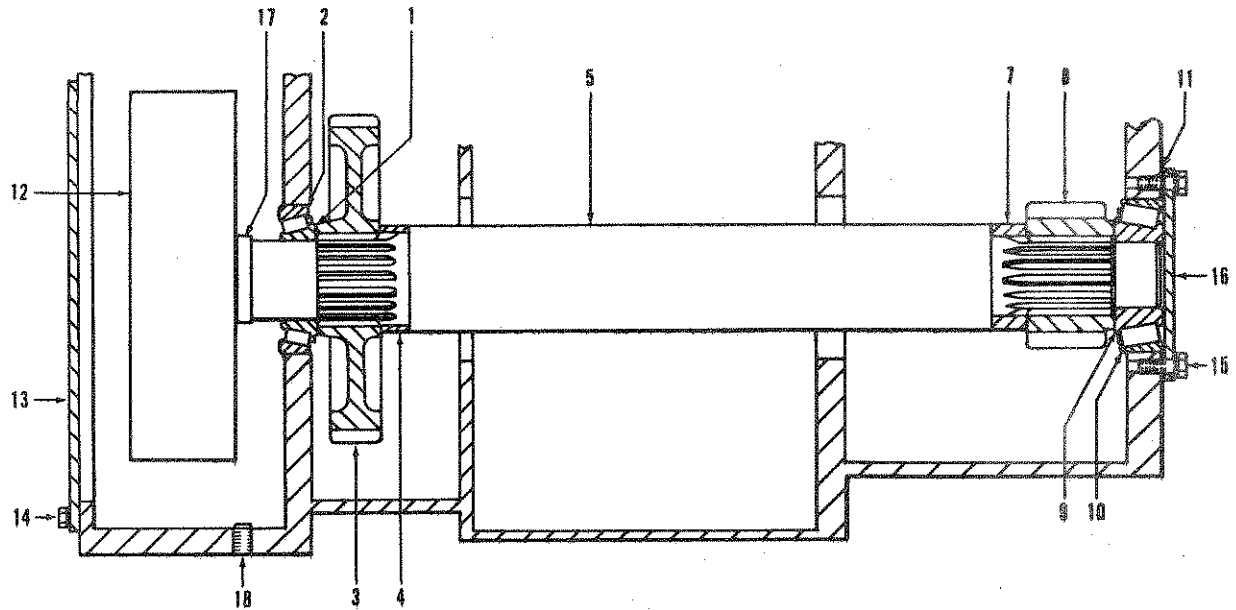
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	230327	CUP-BEARING	2
2	231011	CONE-BEARING	2
3	93284	SHIM-.005	3
3	93285	SHIM-.007	2
3	93286	SHIM-.020	1
4	93287	RETAINER	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
5	95493	GEAR-DRUM PINION, 14 TEETH	1
6	95492	SHAFT-INTERMEDIATE	1
7	95494	GEAR-INTERMEDIATE, 48 TEETH	1
8	182210	CAPSCREW-5/8 UNC X 1 3/4 G5	6
8	222096	LOCKWASHER-5/8	6

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

BRAKE SHAFT



KEY

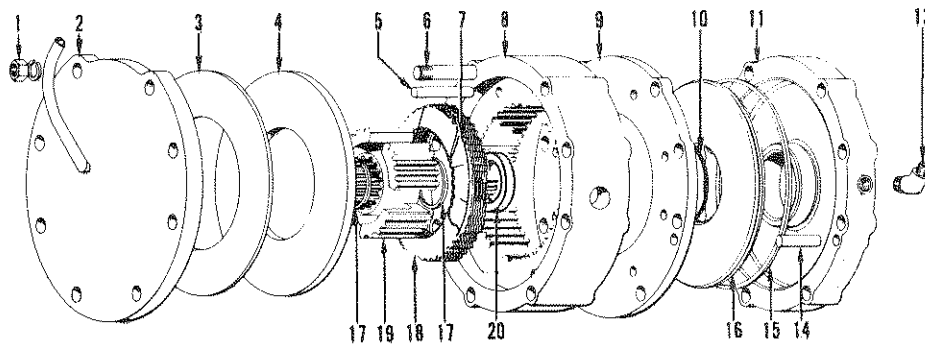
A-FOR TRACTOR MODEL HD-21, TD-25C, D155, 82-30, 8240, 82-50
 B-FOR TRACTOR MODEL D3, 583 PIPELAYER, D9, 594 PIPELAYER

REF. NO.	HYSTER PART NO.	NAME OF PART				QTY.		REF. NO.	HYSTER PART NO.	NAME OF PART				QTY.	
		1	2	3	4	A	B			1	2	3	4	A	B
1	30101	CONE-BEARING				1	1	11	95166	SHIM-.007				AR	AR
2	30100	CUP-BEARING				1	1	11	95034	SHIM-.020				AR	AR
3	95604	GEAR				1	1	12	.....	BRAKE-OIL, PAGE 1C09				1	1
3	95816	GEAR-LOW SPEED				1	1	13	.....	PLATE-COVER, PAGE 1803				1	1
4	95488	SPACER				1	1	14	.....	CAPSCREW-PAGE 1803				11	11
5	193605	SHAFT				1	1	15	182209	CAPSCREW				6	6
7	94447	SPACER				1	1	15	222091	LOCKWASHER				6	6
8	95489	GEAR				1	1	16	95490	RETAINER-BEARING				1	1
9	230326	CONE-BEARING				1	1	17	193604	SPACER				1	1
10	30104	CUP-BEARING				1	1	18	15316	PLUG-PIPE				1	1
11	95033	SHIM-.005				AR	AR								

HYSTER COMPANY

PARTS OPERATIONS
 Danville, Illinois 61832

OIL BRAKE

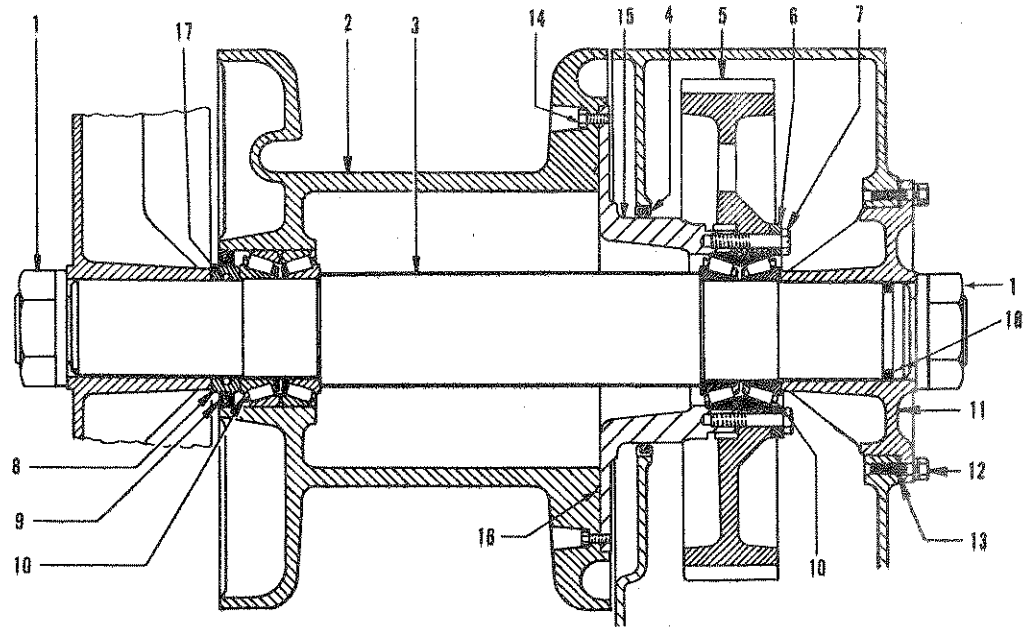


REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	* 17161	NUT-5/8 UNC	8
1	199594	NUT-UNF G8	8
1	221775	WASHER-5/8 HT	8
2	182198	COVER	1
3	131990	SPRING	2
4	131989	RING	1
5	131987	ROD	8
5	@ 267521	PIN-THRUST	8
6	138908	STUD	8
7	131923	DISC-FRICTION	11
7	@ 264060	DISC-FRICTION	11
8	140398	CAGE	1
8	@ 265400	CAGE	1
9	140447	PLATE-PRESSURE	1
10	131983	O-RING	1
11	* 140397	HOUSING-PISTON	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
11	198368	HOUSING-PISTON	1
13	* 170751	ELBOW-STREET, 45 DEGREE	1
14	92867	PIN-DOWEL	2
15	131982	RING-PISTON	1
16	140401	PISTON	1
17	58905	SNAP RING	1
18	95471	PLATE-SEPARATOR	10
18	@ 264062	PLATE-SEPARATOR	10
19	131985	HUB	1
20	193604	SPACER	1

*LAST USED ON SERIAL NO. D68P-1620.
 @FIRST USED ON SERIAL NO. A132P-1542,
 A134P-1587, A140P-1647, A141P-1551,
 D68P-2223.

DRUM SHAFT

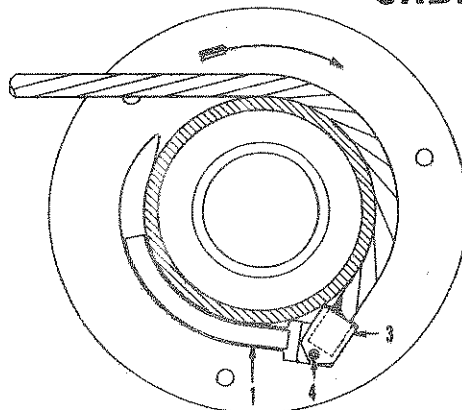


REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	46398	NUT	2
1	* 242833	NUT	2
2	182179	DRUM-14 INCH	1
2	182182	DRUM-9 1/4 INCH	1
3	186461	SHAFT-DRUM	1
3	* 242840	SHAFT-DRUM	1
4	141149	SEAL-OIL	1
5	95496	GEAR-DRUM	1
6	95497	RETAINER	1
7	18807	BOLT-PLACE, 5/8 UNF X 3	8
8	172800	SPACER	1
9	44460	SEAL-OIL	1
10	230329 A	BEARING	2
11	172802	RETAINER	1
12	182210	CAPSCREW-5/8 UNF X 2 G5	8

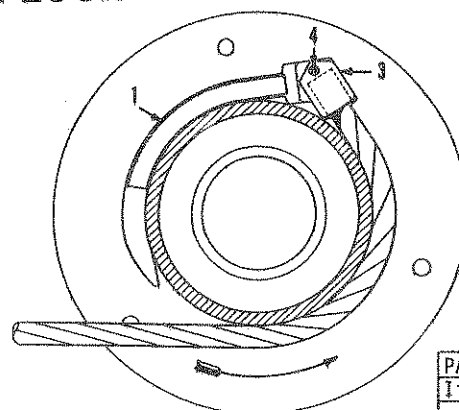
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
12	15160	LOCKWASHER-5/8	8
13	133274	SHIM-.005	4
13	133275	SHIM-.007	3
13	133276	SHIM-.020	3
14	141675	CAPSCREW-5/8 UNF X 1 1/2	12
14	53559	DOWEL	12
15	182178	ADAPTER	1
16	182177	SEAL-RING	1
17	15888	O-RING	1
18	15886	O-RING	1

*FIRST USED ON SERIAL NO. D68P-1767,
A132P-1513, A134P-1520, A140P-1516,
A141P-1520.

CABLE LOCK



OVERWINDING



UNDERWINDING

PARTS SERVICE GRAM	
Item	Gram
1, 3	A1-D-3

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	95763	FILLER-CABLE GROOVE	1
1	95822	FILLER-CABLE GROOVE, LOW SPEED	1
3	95499	LOCK-FERRULE	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
4	18262	CAPSCREW-1/2 UNC X 3	1
4	177949	LOCKWASHER-1/2	1

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

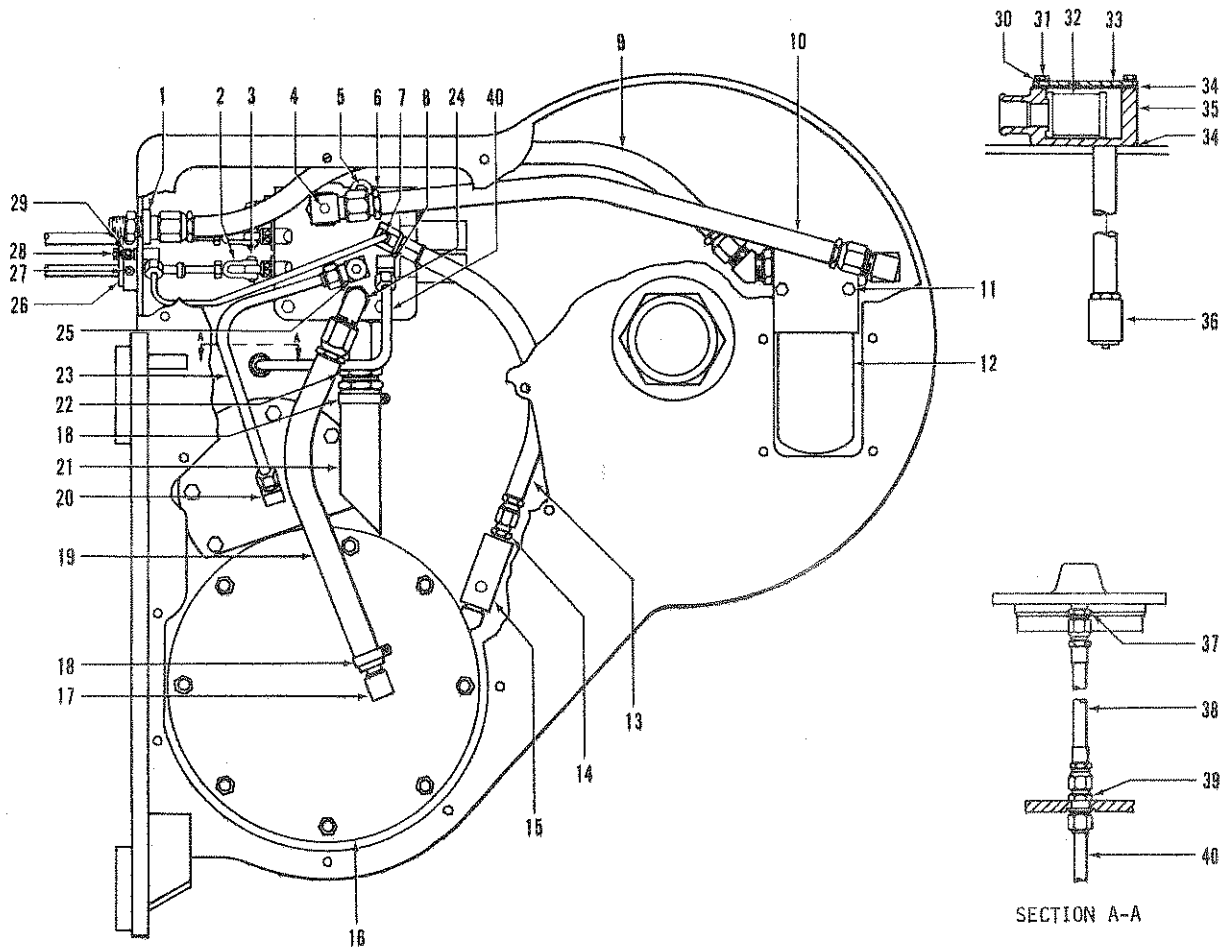
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BRAKE AND HYDRAULIC SYSTEM

BRAKE AND HYDRAULIC SYSTEM.....1D03-1D06
CHECK VALVE.....1D04
CONTROL VALVE.....1E05-1E06
DUMP VALVE.....1D10
FILTER AND HOSES.....1E04
HANDLING GEAR.....1D07-1D09
HYDRAULIC PUMP.....1E01-1E03
PUMP DRIVE AND HOSES.....1D10-1D14

BRAKE AND HYDRAULIC SYSTEM

LAST USED ON SERIAL NO. D68P-1620



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	16450	UNION-BULKHEAD	1
1	14763	LOCKNUT	1
2	168737	ROD END	2
3	133683	PIN-ROD END	2
3	15211	PIN-COTTER, 3/32 X 1/2	2
4	164703	ELBOW-SPECIAL	1
4	16486	O-RING	1
4	16588	LOCKNUT	1
4	14349	PLUG-PIPE, 1/8	1
5	18522	CAPSCREW-5/16 UNC X 3 1/2 G5	3
5	15155	LOCKWASHER-5/16	3
6	.....	VALVE-CONTROL, PAGE 1E05	1
7	14668	CONNECTOR-MALE	1
7	165497	TUBE	1
8	14349	PLUG-PIPE	1
8	16909	CONNECTOR-MALE	1
8	16485	O-RING	1
8	182206	ELBOW-SPECIAL	1
9	124588	HOSE-HYDRAULIC	1
10	176459	HOSE-HYDRAULIC	1
11	.....	CAPSCREW-PAGE 1E04 REF. 8	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
12	.....	FILTER-PAGE 1E04 REF. 10	1
13	182205	HOSE	1
14	17315	CONNECTOR-MALE	1
15	.....	DUMP VALVE, PAGE 1D10	1
16	.....	OIL BRAKE, PAGE 1C09	1
17	16165	NIPPLE	1
18	127045	CLAMP-HOSE	2
19	182204	HOSE-HYDRAULIC	1
20	17344	ELBOW-45 DEGREE	1
21	165654	HOSE	1
22	.....	CHECK VALVE-PAGE 1D04	1
22	16487	O-RING	1
23	182208	TUBE	1
24	111331	ELBOW	1
25	14349	PLUG-PIPE, 1/8	1
25	16909	CONNECTOR-MALE	1
25	16485	O-RING	1
25	165662	ELBOW-SWIVEL	1
26	186319	PLATE	1
26	100154	O-RING	2

HYSTER COMPANY

PARTS OPERATIONS

Danville, Illinois 61832

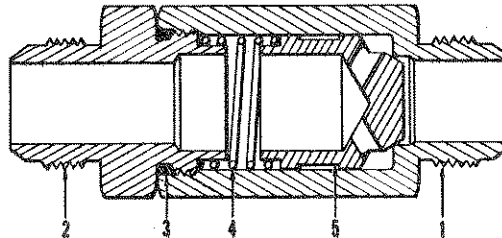
BRAKE AND HYDRAULIC SYSTEM

LAST USED ON SERIAL NO. D68P-1620

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	
27	18853	SETSCREW-5/16 UNC X 1 1/4	2	33	177410	COVER	1
27	15001	NUT-JAM, 5/16 UNC	2	34	177409	GASKET	2
28	159812	CAPSCREW-3/8 UNC X 3/4 G8	1	35	182231	MANIFOLD-INTAKE	1
28	15156	LOCKWASHER-3/8	1	36	177369	VALVE-FOOT	1
29	16455	ELBOW-BULKHEAD	1	37	19987	NIPPLE	1
29	14758	LOCKNUT	1	37	14723	CONNECTOR	1
30	15158	LOCKWASHER-1/2	4	38	192210	HOSE	1
31	18596	CAPSCREW-1/2 UNC X 5 G5	4	39	16448	UNION-BULKHEAD	1
32	160387	CARTRIDGE	1	40	182207	TUBE	1

CHECK VALVE

LAST USED ON SERIAL NO. D68P-1620



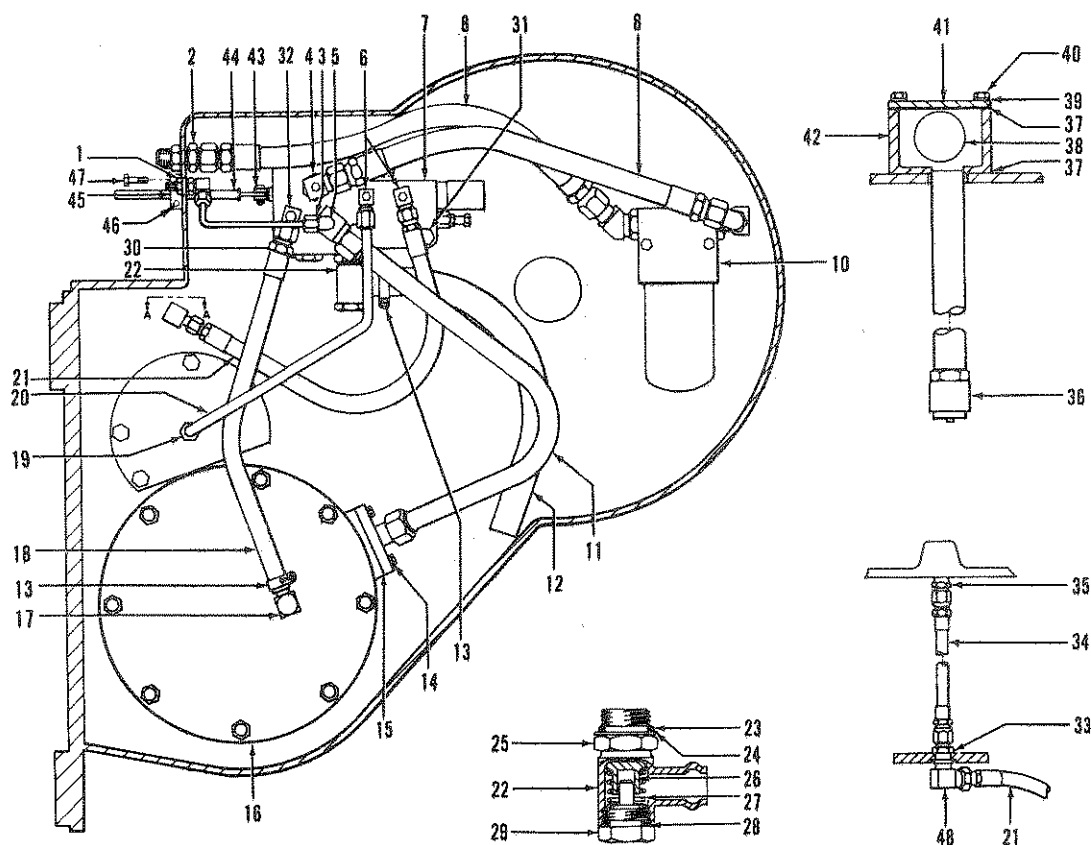
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4				1 2 3 4	
	168730	VALVE-CHECK	1	3	16487	O-RING	1
1	.....	BODY	1	4	170543	SPRING	1
2	170545	CAP	1	5	170542	POPPET	1

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

BRAKE AND HYDRAULIC SYSTEM

FIRST USED ON SERIAL NO. D68P-1621



SECTION A - A

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	16455	ELBOW-BULKHEAD	1
1	16481	O-RING	1
2	237377	UNION-BULKHEAD	1
2	16486	O-RING	1
2	14763	LOCKNUT	1
3	140288	HOSE	1
3	198032	HOSE	1
4	198064	ELBOW-MODIFIED	1
4	164703	ELBOW-MODIFIED	1
4	14349	PLUG	1
5	198065	ELBOW-SPECIAL	1
5	14500	ELBOW-MALE	1
6	198063	ELBOW-SPECIAL	2
6	14349	PLUG	2
7	.....	VALVE-CONTROL, PAGE 1E06	1
8	198387	HOSE	2
9	180980	HOSE	1
10	.....	FILTER-HYD., PAGE 1E04, REF. 10	1
11	198030	TUBE	1
12	77297	HOSE	1
13	127045	CLAMP-HOSE	2
14	16828	CAPSCREW	2
14	15156	LOCKWASHER	2
15	196020	FITTING-SPECIAL	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
15	* 196022	GASKET	1
16	.....	OIL BRAKE, PAGE 1C09	1
17	222482	NIPPLE	1
18	198386	HOSE	1
19	17309	ELBOW	1
19	17315	ELBOW	1
20	198031	HOSE	1
21	73470	TUBE	1
20	132009	HOSE	2
22	196031	VALVE FITTING	1
23	16487	O-RING	1
24	196028	WASHER-BACK-UP	1
25	16589	LOCKNUT	1
26	198069	POPPET-CHECK VALVE	1
27	198066	SPRING	1
28	111331	ELBOW	1
28	16487	O-RING	1
29	196033	PLUG-PIPE	1
30	.....	PLUG-SPECIAL, PAGE 1E06, REF. 31	1
31	198385	CAPSCREW	3
31	15158	LOCKWASHER	3
32	198062	ELBOW-SPECIAL	1
32	14349	PLUG	1

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

BRAKE AND HYDRAULIC SYSTEM

FIRST USED ON SERIAL NO. D68P-1621

REF. NO.	HYSTER PART NO.	NAME OF PART 1 2 3 4	QTY.
33	16448	UNION	1
33	14761	NUT	1
34	192210	HOSE	1
35	19987	NIPPLE	1
35	14723	CONNECTOR	1
36	177369	VALVE-FOOT	1
37	177409	GASKET	2
38	160387	CARTRIDGE	1
39	15158	LOCKWASHER	4
40	18598	CAPSCREW	1
40	18599	CAPSCREW	3
41	177410	COVER	1
42	# 182231	MANIFOLD-INTAKE	1
42	□ 182231	MANIFOLD-INTAKE	1
42	% 244505	MANIFOLD-INTAKE	1
42	\$ 198824	MANIFOLD-INTAKE	1

REF. NO.	HYSTER PART NO.	NAME OF PART 1 2 3 4	QTY.
43	139	PIN-ROD END	1
43	15212	COTTER	1
44	.....	CABLE-CONTROL, PAGE 1D08, REF.17	1
45	236417	BRACKET-CABLE	2
46	62499	ROLL PIN-5/16 X 1-1/4	2
47	16830	CAPSCREW	1
47	15158	LOCKWASHER	1
48	16989	ELBOW	1

*INCLUDED IN GASKET KIT 209005.

□FOR TRACTOR MODEL HD-21.

%FOR TRACTOR MODEL TD-25C WITH CAST ROPS AND 82-30, 82-40.

\$FOR TRACTOR MODEL TD-25C WITH FABRICATED ROPS.

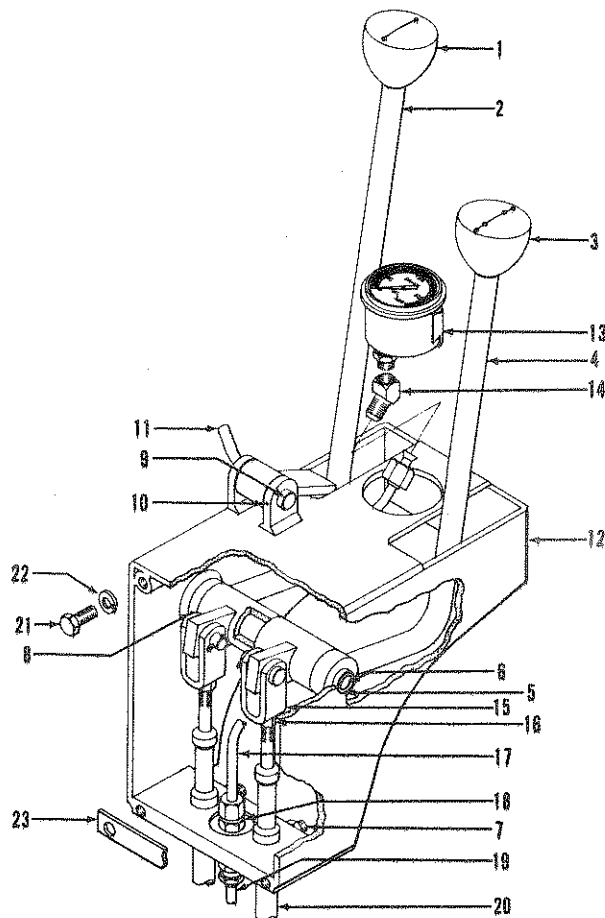
#FOR TRACTOR MODELS D8 AND D9.

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

HANDLING GEAR

LAST USED ON SERIAL NO. D68P-1620



KEY

A-FOR D8 TRACTOR SERIAL NO. 22A1 AND UP, 35A1 AND UP, 36A1 AND UP, 46A1 AND UP, 52A1 AND UP, 68A1 AND UP AND D8 TRACTORS WITH OPTIONAL RIP DOZER.

B-FOR D9 TRACTOR SERIAL NO. 66A1 TO 66A3265 INCLUSIVE AND D9 TRACTORS WITH OPTIONAL RIP DOZER.

C-FOR 583 PIPELAYER.

D-FOR 594 PIPELAYER.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			A	B	C	D
	189085	HANDLEVER	1	1	..	..
	189086	HANDLEVER	..	..	1	1
1	172744	KNOB-INCHING	1	1	1	1
2	183584	LEVER-INCHING	1	1	..	..
2	172757	LEVER-INCHING	..	..	1	1
3	172747	KNOB-FWD. AND REV.	1	1	1	1
4	172745	LEVER-SELECTOR	1	1	..	..
4	172759	LEVER-SELECTOR	..	..	1	1
5	174421	BUSHING	2	2	2	2
6	172748	PIN	1	1	1	1
7	221217	SETScrew-5/16 UNC X 1	2	2	2	2
7	15001	NUT-JAM, 5/16 UNC	2	2	2	2
8	19981	ROLL PIN-1/8 X 1 1/4	1	1	1	1
9	172751	ROD	1	1	1	1
10	174564	ROLL PIN-3/32 X 1	1	1	1	1
11	172752	LEVER	1	1	1	1
12	196151	HOUSING	1	1	1	1

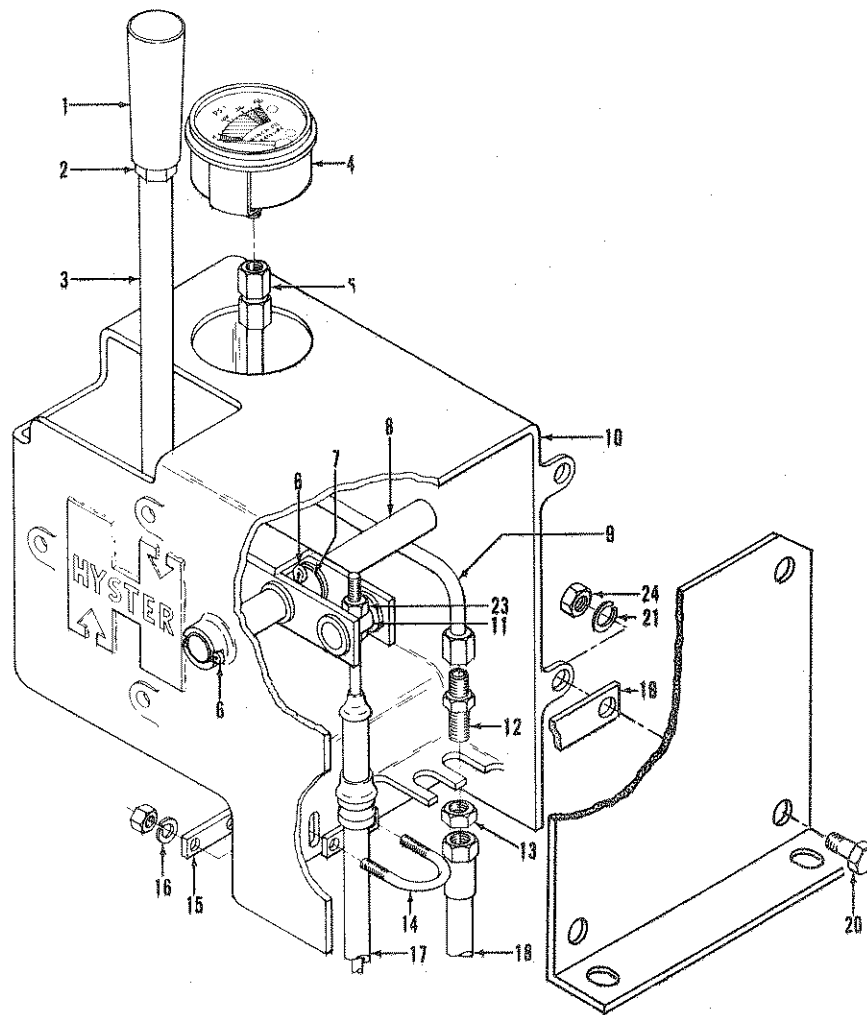
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			A	B	C	D
13	192407	GAUGE-OIL PRESSURE	1	1	1	1
14	172762	ELBOW-45 DEGREE	1	1	1	1
15	95709	ROD END-3/8	2	2	2	2
15	142	PIN-ROD END	2	2	2	2
15	15212	COTTER-3/32 X 3/4	2	2	2	2
16	15025	NUT-JAM, 5/16 UNF	4	4	4	4
17	192408	TUBE	1	1	1	1
18	16445	FITTING	1	1	1	1
19	165504	HOSE	1	..	1	..
19	165505	HOSE	..	1	..	1
20	187279	CABLE-PUSH PULL	2	..	2	..
20	187227	CABLE-PUSH PULL	..	2	..	2
21	15553	CPSCR.-5/16 UNC X 3/4	4	4	4	4
22	15155	LOCKWASHER-5/16	4	4	4	4
23	175171	SPACER	..	1	..	..
	172761	DECAL-OPERATING INSTRUCTIONS	1	1	1	1

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

HANDLING GEAR

FIRST USED ON SERIAL NO. D68P-1621



KEY

A-FOR D9 TRACTOR SERIAL NO. 66A1 AND UP, D9G TRACTORS WITH OPTIONAL RIP DOZER AND 594 PIPELAYER.
 B-FOR D8 TRACTOR SERIAL NO. 35A1 AND UP, 46A1 AND UP, D8 TRACTORS WITH OPTIONAL RIP DOZER AND 583 PIPELAYER AND 77V1 AND UP.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	
			A	B
	196462	HANDLEVER	1	1
1	196469	KNOB	1	1
2	15030	NUT-JAM, 5/8 UNF	1	1
3	196465	LEVER ASSY.	1	1
3	196463	LEVER	1	1
3	196464	ROD	1	1
3	264057	BRACKET	1	1
3	196144	BUSHING	1	1
4	192407	GAUGE-OIL PRESSURE	1	1
5	14712	CONNECTOR	1	1
6	15225	COTTER-1/8 X 1	3	3
7	196132	SPACER	1	1
8	196468	PIN	1	1
9	196134	TUBE	1	1
10	196114	HOUSING	1	1
11	196128	PIN	1	1
11	18461	CAPSCREW	1	1
11	262075	NUT	1	1
12	16445	UNION-BULKHEAD	1	1
13	14758	LOCKNUT	1	1
14	196129	U-BOLT	1	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	
			A	B
15	196130	SPACER	2	2
16	15155	LOCKWASHER-5/16	2	2
17	203227	CABLE-CONTROL	1	..
17	205005	CABLE-CONTROL	..	1
18	205006	HOSE	1	..
18	205004	HOSE	..	1
19	* 208020	SPACER	1	..
20	16805	CAPSCREW-3/8 UNC X 1 GS	4	4
20	* 16828	CAPSCREW-3/8 UNC X 1 1/4	4	..
21	15156	LOCKWASHER-3/8	4	4
23	221342	LOCKNUT-1/4 UNF	1	1
24	15056	NUT-3/8 UNC	4	4
24	* 178779	NUT-3/8 UNC HT	4	..
25	* 261570	BRACKET	..	1
	237288	DECAL-OPERATING INSTRUCTIONS	1	1
	198932	DECAL-OPERATING INSTRUCTIONS	1	1

*FOR D9G TRACTORS WITH RIP DOZER.

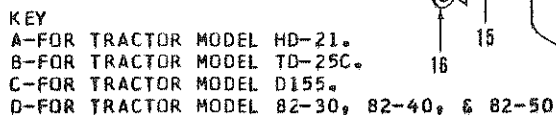
*FOR 594 PIPELAYER.

*FOR 77V1 AND UP.

HYSTER COMPANY

PARTS OPERATIONS

Danville, Illinois 61832



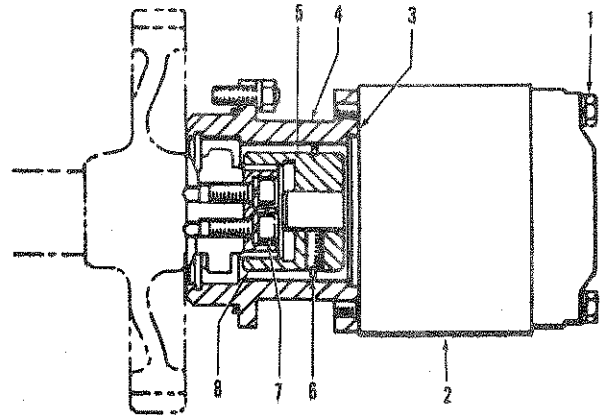
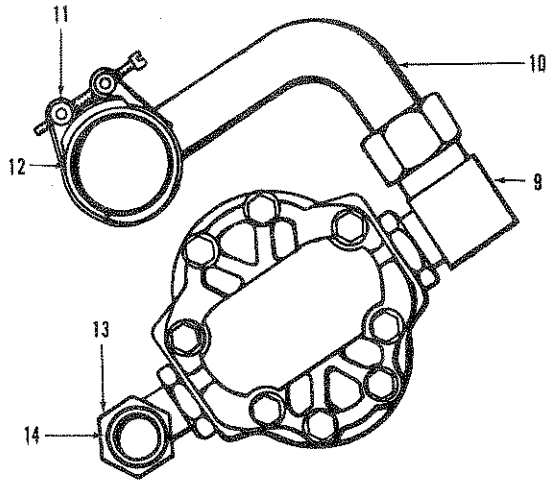
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			A	B	C	D
17	196035	CABLE-CONTROL	1	--	--	--
17	203227	CABLE-CONTROL	--	1	1	--
17	226469	CABLE-CONTROL	--	--	--	1
18	165504	HOSE	1	--	--	1
18	265325	HOSE	--	--	--	1
18	165505	HOSE	--	1	1	--
18	137852	CLAMP-STRAP	--	1	--	--
18	129563	CLAMP-STRAP	--	--	--	3
18	127405	CLAMP	1	--	--	--
19	201847	BRACKET	1	--	--	--
19	203225	BRACKET	--	1	--	--
19	213135	BRACKET	--	--	1	--
19	250495	BRACKET	--	--	--	1
20	16805	CAPSCREW-3/8 UNC X 1	9	--	--	--
20	18497	CAPSCREW-5/16 UNC X 1	--	4	--	--
20	16828	CAPSCREW-3/8 UNC X 1	--	6	4	--
21	15156	LOCKWASHER-3/8	9	6	4	4
22	201848	BRACKET	1	--	--	--
23	221342	NUT-LOCK,-1/4 UNF	1	1	1	1
24	196788	NUT-5/16 UNC	4	--	--	4
24	15056	NUT-3/8 UNC	9	6	--	--
24	15058	NUT-5/16 UNC	--	--	--	4
25	15055	NUT-3/8 UNC	--	6	4	--
26	265409	PLATE	--	--	--	1
27	240491	EYEBOLT	--	--	--	3

* FIRST USED ON SERIAL NO. A141P-1533.
 * BASED ON TRACTOR MODEL 82-30B.

PARTS OPERATIONS
Danville, Illinois 61832

PUMP DRIVE AND HOSES

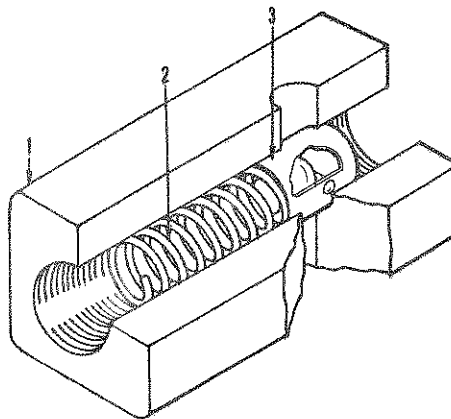
FOR 583 PIPELAYER



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	18551	CAPSCREW-3/8 UNC X 5 1/8 G5	2
1	15156	LOCKWASHER-3/8	2
2	.....	PUMP-HYDRAULIC, SEE PAGE F9	1
3	132044	GASKET	1
4	145478	HOUSING-PUMP DRIVE	1
5	145477	COUPLING-PUMP	1
6	88837	SNAP RING	1
6	16200	SETSCREW-3/8 UNC X 3/8	2
7	27187	CAPSCREW-3/8 UNC X 1	2
7	15156	LOCKWASHER-3/8	2
8	145476	SHAFT	1
9	16949	ELBOW	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
9	16983	O-RING	1
9	16980	LOCKNUT	1
10	146385	TUBE	1
11	142781	CLAMP-HOSE	2
12	165488	HOSE-MANIFOLD TO PUMP	1
13	201776	ELBOW	1
13	16487	O-RING	1
13	16589	LOCKNUT	1
14	165491	HOSE-PUMP TO CONTROL VALVE	1

DUMP VALVE



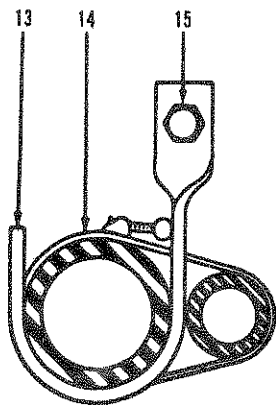
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	181031	VALVE-DUMP	1
1	138542	BODY	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
2	161857	SPRING	1
3	181032	SPOOL	1

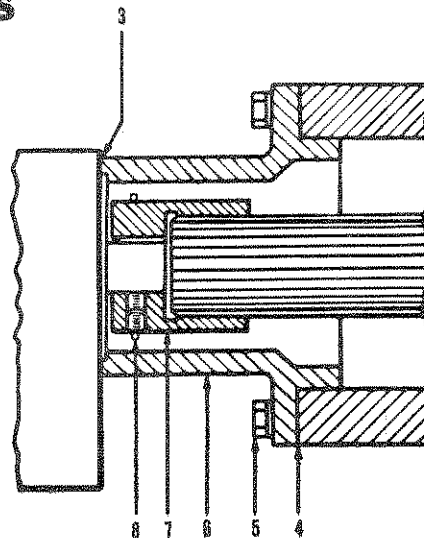
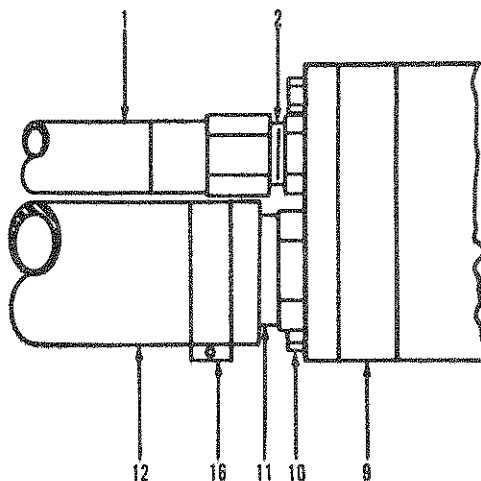
HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

PUMP DRIVE AND HOSES



PARTS SERVICE GRAM	
Item	Gram
10	AO-E-7



KEY
 A-FOR D8 TRACTOR SERIAL NO. 22A1 AND UP, 35A1 AND UP, 36A1 TO 36A4468 INCLUSIVE, 46A1 TO 46A10724, 52A1 AND UP AND 68A1 TO 68A1002 INCLUSIVE.
 B-FOR D8 TRACTOR SERIAL NO. 36A4469 AND UP, 46A10725 AND UP, 68A1003 AND UP AND 77V1 AND UP.
 C-FOR D9 TRACTOR SERIAL NO. 66A1 AND UP.
 D-FOR 594 PIPELAYER.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			1	2	3	4
1	139725	HOSE-PUMP TO WINCH	1	1	..	..
1	165491	HOSE-PUMP TO WINCH	..	..	1	1
1	* 123043	HOSE-PUMP TO WINCH	..	..	1	1
2	16543	CONNECTOR-MALE	1	1	..	..
2	16570	ELBOW-45 DEGREE	..	..	1	1
2	16486	O-RING	1	1	1	1
2	16588	LOCKNUT	..	..	1	1
3	% 95710	GASKET	1	1	1	1
4	95486	GASKET	1	1	..	..
4	145349	GASKET	..	..	1	1
5	16805	CPSCR.-3/8 UNC X 1 G5	6	6	..	..
5	16316	CPSCR.-3/8 UNC X 1 1/2	..	..	5	5
5	15156	LOCKWASHER-3/8	6	6	..	..
5	177947	LOCKWASHER-3/8	..	..	5	5
6	145351	ADAPTER	1	..	..	..
6	147965	ADAPTER	..	1	..	..
6	145348	ADAPTER	..	..	1	1
7	181895	COUPLING	1	1	1	1
8	54112	SNAP RING	1	1	1	1
8	16200	SETSCREW-3/8 UNC X 3/8	1	1	1	1
8	136391	SETSCREW-3/8 UNC X 1/4	1	1	1	1
9	.....	PUMP-HYD., SEE PAGE F9	1	1	1	1
10	18547	CAPSCREW-3/8 UNC X 5 1/2 G5	2	2	2	2
10	15156	LOCKWASHER-3/8	2	2	2	2

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.			
			1	2	3	4
11	145350	NIPPLE-HOSE, SPECIAL	1	..	..	..
11	147961	NIPPLE-HOSE, SPECIAL	..	1	..	..
11	132046	NIPPLE-HOSE, SPECIAL	..	..	1	1
11	16983	O-RING	1	1	1	1
12	166061	HOSE	1	1	..	..
12	* 166060	HOSE	..	..	1	..
12	% 165490	HOSE	..	..	1	1
13	143362	CLAMP-HOSE LOCATING	1	1	..	..
13	132772	CLAMP-HOSE TO BRACKET	..	..	1	1
14	18994	CLAMP-HOSE	1	1	2	3
15	18588	CAPSCREW-1/2 UNC X 1 1/2 G5	1	1	..	..
15	16805	CPSCR.-3/8 UNC X 1 G5	..	..	1	1
15	15156	LOCKWASHER-3/8	..	..	1	1
15	15056	NUT-3/8 UNC	..	..	1	1
16	142781	CLAMP-HOSE	2	2	2	2
16	119236	CLAMP	..	..	..	1
16	115696	CLAMP	..	..	..	2
	151779	BRACKET-HOSE CLAMP, NOT ILLUSTRATED	..	..	1	1

*FOR D9 TRACTOR SERIAL NO. 66A1 TO 66A3265 INCLUSIVE.

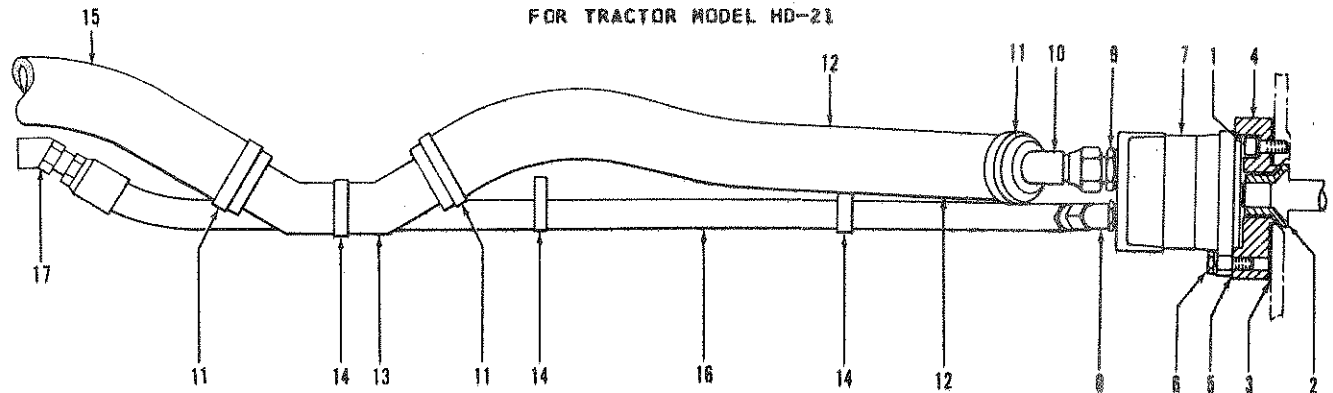
%FOR D9 TRACTOR SERIAL NO. 66A3266 AND UP.
 %INCLUDED IN GASKET KIT 209005.

HYSTER COMPANY

PARTS OPERATIONS
 Danville, Illinois 61832

PUMP DRIVE AND HOSES

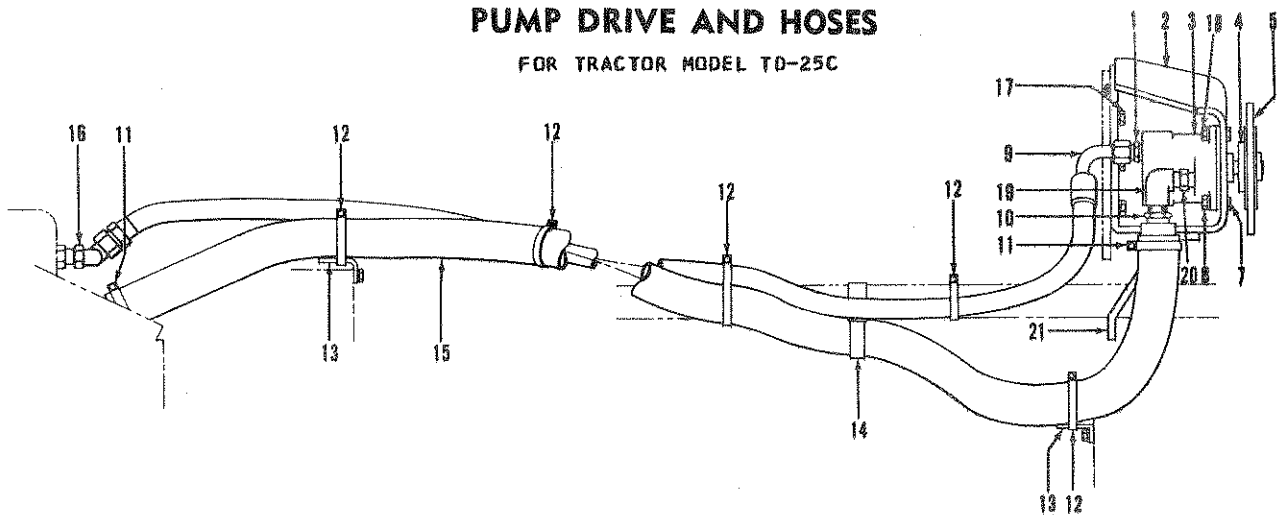
FOR TRACTOR MODEL MD-21



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	27187	CAPSCREW-3/8 UNC X 1	4	9	196165	CONNECTOR	1
1	177947	LOCKWASHER-3/8	4	9	16468	O-RING	1
2	195389	COUPLING	1	10	241746	ELBOW	1
3	195390	GASKET	1	11	142781	CLAMP-HOSE	4
4	195391	ADAPTER	1	12	170719	HOSE-SUCTION	1
5	195816	GASKET	1	13	195393	TUBE	1
6	16828	CAPSCREW-3/8 UNC X 1 1/4	1	14	112989	CLAMP-HOSE	5
6	15156	LOCKWASHER-3/8	1	15	164677	HOSE-SUCTION	1
7	.....	PUMP-HYDRAULIC, PAGE 1E02	1	16	195394	HOSE	1
8	112471	ELBOW	1	17	17040	FITTING	1

PUMP DRIVE AND HOSES

FOR TRACTOR MODEL TD-25C



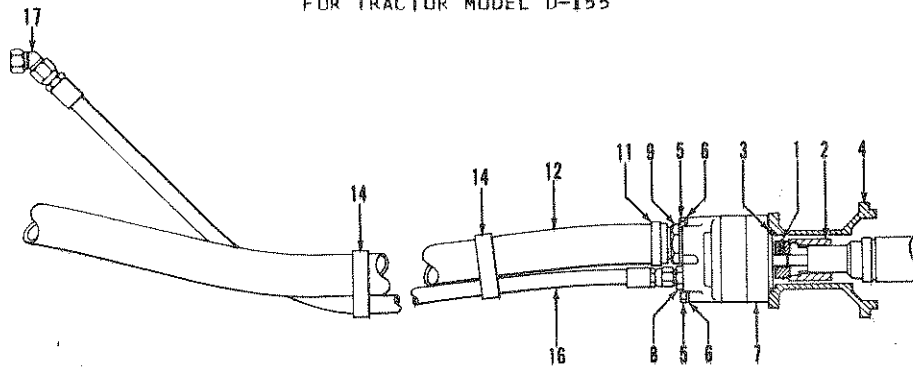
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	17346	CONNECTOR	1	14	115922	CLAMP	1
2	227612	BRACKET	1	14	16828	CAPSCREW	3
3	.....	PUMP-HYDRAULIC, PAGE 1E03	1	15	198046	HOSE	1
4	198043	SHEAVE	1	15	17651	FITTING-ELBOW	1
4	206377	HUB	1	15	225063	FITTING-ELBOW	1
4	18468	CAPSCREW-1/4 UNC X 1 1/2 G5	3	15	17748	FITTING-ELBOW	1
4	16781	SETSCREW-1/4 X 3/8	1	15	225062	TUBE	1
5	198038	V-BELT	1	16	83857	ELBOW	2
7	15056	NUT-3/8 UNC	4	17	16816	CAPSCREW-3/8 UNC X 1-3/4	6
8	16815	CAPSCREW-3/8 UNC X 1 1/2	2	17	18551	CAPSCREW-3/8 UNC X 5 1/2	1
8	221767	LOCKWASHER-3/8	6	17	15156	LOCKWASHER-3/8	14
9	198044	HOSE	1	18	16828	CAPSCREW	5
10	198045	FITTING-SPECIAL	1	19	15366	FITTING-ELBOW	1
11	142781	CLAMP	2	20	12833	FITTING-CONNECTOR	1
12	112989	CLAMP	5	21	227615	BRACKET	1
13	198047	BRACKET	2				

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

PUMP DRIVE AND HOSES

FOR TRACTOR MODEL D-155

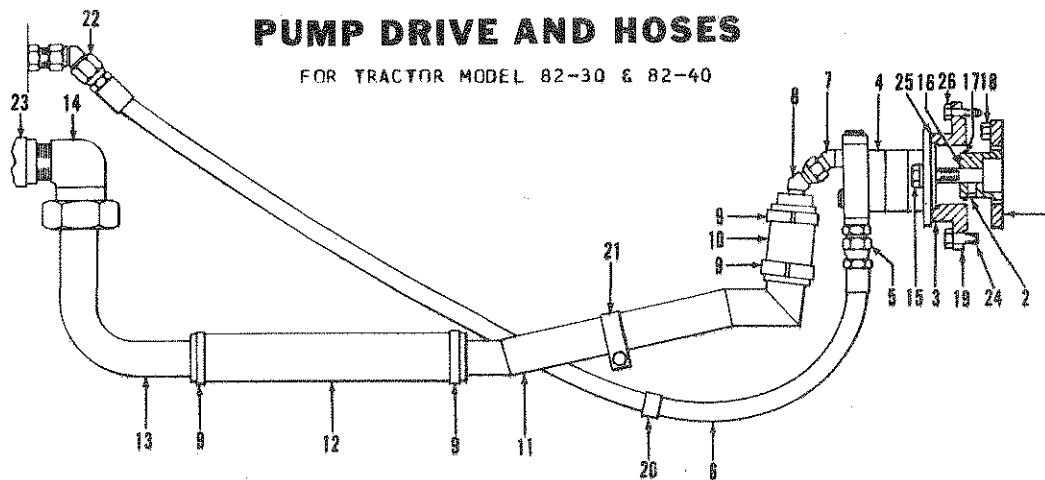


REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	2	3	4
1	16200	SETSCREW-3/8 UNC X 3/8	1
1	136391	SETSCREW-3/8 UNC X 1/4	1
1	54112	SNAP RING	1
2	213047	COUPLING	1
3	39369	O-RING	1
4	262327	ADAPTER	1
5	18547	CAPSCREW-3/8 UNC X 5 1/2	2
6	15156	LOCKWASHER-3/8	2
7	.....	PUMP, PAGE 1E02	1
8	16543	CONNECTOR-MALE	1
9	145350	FITTING-SPECIAL	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
9	16983	O-RING	1
10	192944	ELBOW	1
11	142781	CLAMP-HOSE	2
12	166061	HOSE-SUCTION	1
13	195393	TUBE	1
14	115696	CLAMP-HOSE	2
14	16828	CAPSCREW	3
15	164677	HOSE-SUCTION	1
16	123043	HOSE	1
17	17040	ELBOW-45 DEGREE	1
18	138702	CAPSCREW	4

PUMP DRIVE AND HOSES

FOR TRACTOR MODEL 82-30 & 82-40



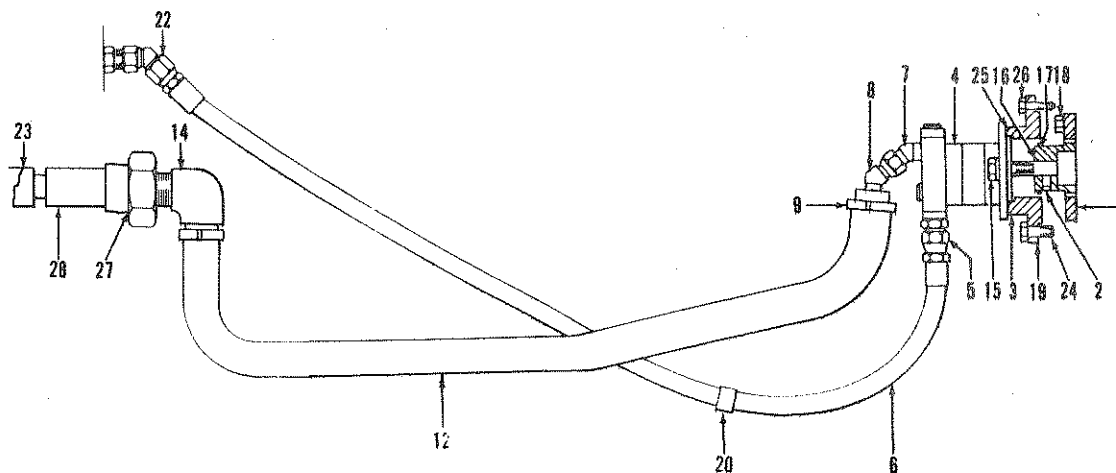
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	244424	GEAR-INTERNAL	1
2	16200	SETSCREW-3/8 UNC X 3/8	1
2	136391	SETSCREW-3/8 UNC X 1/4	1
3	244427	BRACKET-PUMP	1
4	.....	PUMP, PAGE 1E03	1
5	17346	FITTING	1
6	210834	HOSE	1
7	17307	ELBOW	1
8	250564	ELBOW-45 DEGREE	1
8	226408	TUBE	1
8	17040	FITTING	1
9	226413	CLAMP	4
10	244447	HOSE	1
10	242836	HOSE	1
11	242844	TUBE-SUCTION	1
11	242834	TUBE	1
12	226407	HOSE	1
13	242841	TUBE	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
14	139688	FITTING	1
15	16815	CAPSCREW-3/8 UNC X 1 1/2	2
15	15156	WASHER-3/8	2
16	244430	DRIVE GEAR	1
17	54112	SNAP RING	1
18	221503	CAPSCREW-3/8 UNF X 1 1/2	4
19	244506	GASKET	1
20	160383	CLAMP	2
20	16828	CAPSCREW-3/8 UNC X 1 1/4	2
20	145641	NUT-3/8 UNC	2
22	17346	ELBOW	1
23	244505	MANIFOLD-INTAKE	1
24	222091	WASHER	1
24	18558	CAPSCREW	1
25	195816	GASKET	1
26	18588	CAPSCREW	4
26	15158	WASHER	4
26	244506	GASKET	1

HYSTER COMPANYPARTS OPERATIONS
Danville, Illinois 61832

PUMP DRIVE AND HOSES

FOR TRACTOR MODEL 82-30B



REF. NO.	HYSTER PART NO.	NAME OF PART 1 2 3 4	QTY.
1	244434	GEAR-INTERNAL	1
2	16200	SETSCREW-3/8 UNC X 3/8	1
2	136391	SETSCREW-3/8 UNC X 1/4	1
3	244427	BRACKET-PUMP	1
4	.....	PUMP, PAGE 1E03	1
5	17346	FITTING	1
6	253038	HOSE	1
7	17307	ELBOW	1
8	250564	ELBOW-45 DEGREE	1
8	226408	TUBE	1
8	17040	FITTING	1
9	226413	CLAMP	2
12	226407	HOSE	1
14	139688	FITTING	1
15	16815	CAPSCREW-3/8 UNC X 1 1/2	2
15	15156	WASHER-3/8	2

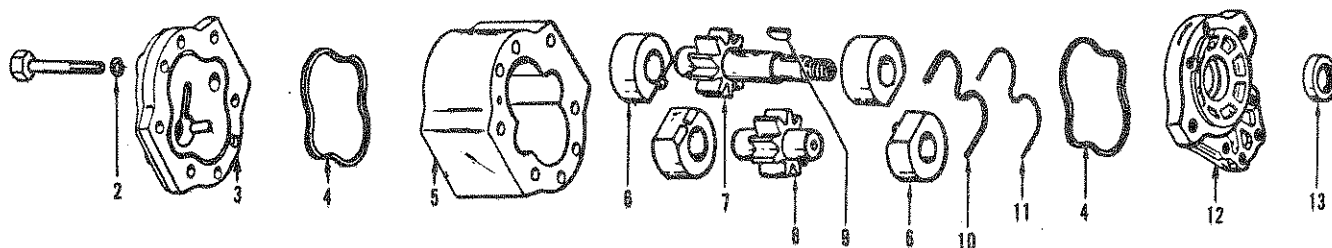
REF. NO.	HYSTER PART NO.	NAME OF PART 1 2 3 4	QTY.
16	244430	DRIVE GEAR	1
17	54112	SNAP RING	1
18	221503	CAPSCREW-3/8 UNF X 1 1/2	4
19	244506	GASKET	1
20	160383	CLAMP	2
20	16828	CAPSCREW-3/8 UNC X 1 1/4	2
20	145641	NUT-3/8 UNC	2
22	17346	ELBOW	1
23	244505	MANIFOLD-INTAKE	1
24	18558	CAPSCREW	1
24	222091	WASHER	1
25	195816	GASKET	1
26	18558	CAPSCREW	4
26	15158	WASHER	4
27	17641	FITTING-PIPE	1
28	19661	FITTING-PIPE	1

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

HYDRAULIC PUMP

FOR 583 PIPELAYER



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
	145479	PUMP-HYDRAULIC	1
1	127660	CAPSCREW	6
2	129447	WASHER	6
3	127658	COVER-REAR	1
4 □*	.....	SEAL	2
5	.....	BODY	1
6 *	.....	BEARING	4
7 %	.....	GEAR-DRIVE	1
8 %	.....	GEAR-DRIVEN	1
9 *	206	KEY	1
10 □*	.....	GASKET	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
11 □*	.....	SPACER	1
12	127657	COVER-FRONT	1
13 □*	235933	SEAL-SHAFT	1
	147401	REPAIR KIT-MAJOR	1
	78035 A	REPAIR KIT-MINOR	1
	127659	GEAR KIT	1

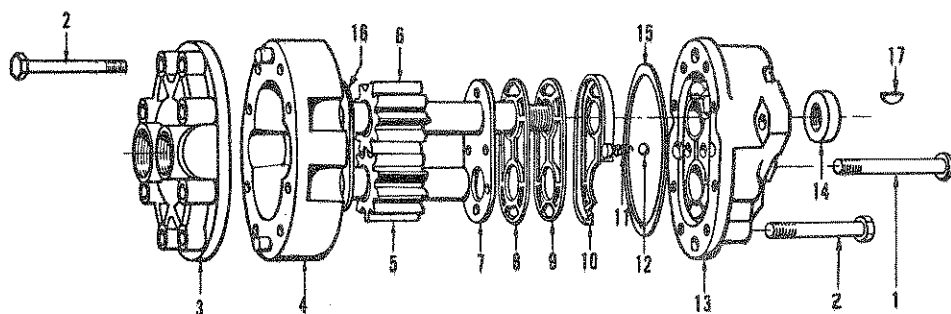
*INCLUDED IN MAJOR REPAIR KIT.

□INCLUDED IN MINOR REPAIR KIT.

%INCLUDED IN GEAR KIT.

HYDRAULIC PUMP

FOR TRACTOR MODELS D8, D9 AND 594



PARTS SERVICE GRAM	
Item	Gram
239510	AO-E-7
3	

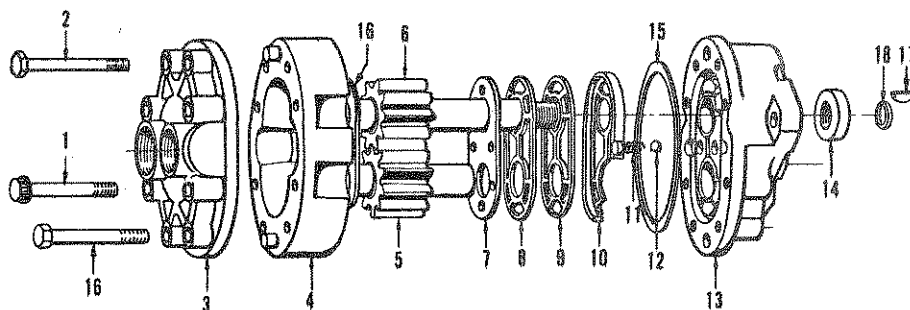
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
	239510	PUMP-HYDRAULIC	1
1	184130	CAPSCREW-5/16 UNC X 3	2
2	184131	CAPSCREW-5/16 UNC X 2 1/2	4
3	250718	BACK PLATE	1
4	184126	BODY	1
4	184129	PIN-DOWEL	2
5	184127	GEAR-IDLER	1
6	184128	GEAR-DRIVE	1
7 *	184134	DIAPHRAGM	1
8 *	184133	GASKET-BACK UP	1
9 *	184139	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.

HYSTER COMPANYPARTS OPERATIONS
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HYDRAULIC PUMP



KEY

A-FOR TRACTOR MODEL HD-21.

B-FOR TRACTOR MODEL D155.

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	
			A	B
	195392	PUMP-HYDRAULIC	1	..
	239510	PUMP-HYDRAULIC	..	1
1	199040	CAPSCREW-5/16 UNC X 3 12 PT	2	..
1	184130	CAPSCREW-5/16 UNC X 3	..	2
2	18513	CAPSCREW-5/16 UNC X 2 1/2	4	..
2	184131	CAPSCREW-5/16 UNC X 2 1/2	..	4
3	199038	BACK PLATE	1	..
3	184125	BACK PLATE	..	1
4	171013	BODY	1	..
4	165620	PIN-DOWEL	2	..
4	184129	PIN-DOWEL	..	2
5	171015	GEAR-IDLER	1	..
5	184127	GEAR-IDLER	..	1
6	199039	GEAR-DRIVE	1	..
6	184128	GEAR-DRIVE	..	1
7	* 160760	DIAPHRAGM	1	..
7	□ 184134	DIAPHRAGM	..	1
8	* 132717	GASKET-BACK-UP	1	..
8	□ 184133	GASKET-BACK-UP	..	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.	
			A	B
9	* 160762	GASKET-PROTECTOR	1	..
9	□ 184139	GASKET-PROTECTOR	..	1
10	* 199015	SEAL-DIAPHRAGM	1	..
10	□ 184136	SEAL-DIAPHRAGM	..	1
11	* 160759	SPRING	1	1
12	* 68964	BALL	1	1
13	199037	PLATE-FRONT	1	..
13	184124	PLATE-FRONT	..	1
14	* 132718	SEAL-SHAFT	1	..
14	□ 184135	SEAL-SHAFT	..	1
15	170883	O-RING	2	..
15	184138	O-RING	..	2
16	132596	CAPSCREW-5/16 UNC X 3	2	..
16	□ 184137	PLATE-THRUST	..	1
17	184123	KEY	1	1

*INCLUDED IN SEAL REPAIR KIT 171252.

□INCLUDED IN SEAL REPAIR KIT 184132.

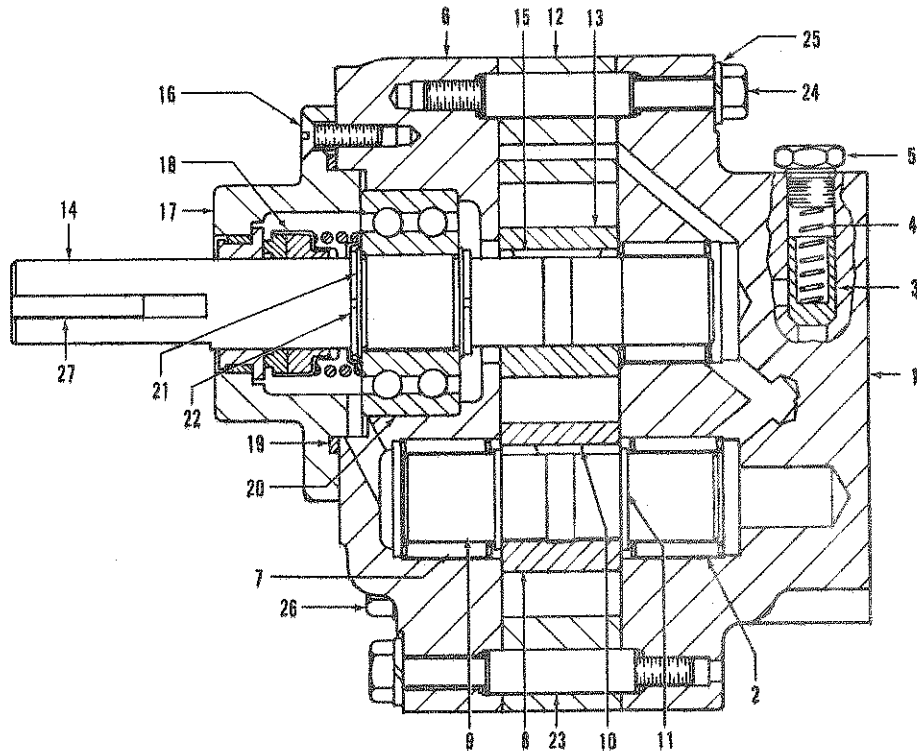
HYSTER COMPANY

PARTS OPERATIONS

Danville, Illinois 61832

HYDRAULIC PUMP

FOR TRACTOR MODEL TD-25C, 82-30, 82-30B, 82-40, AND 82-50



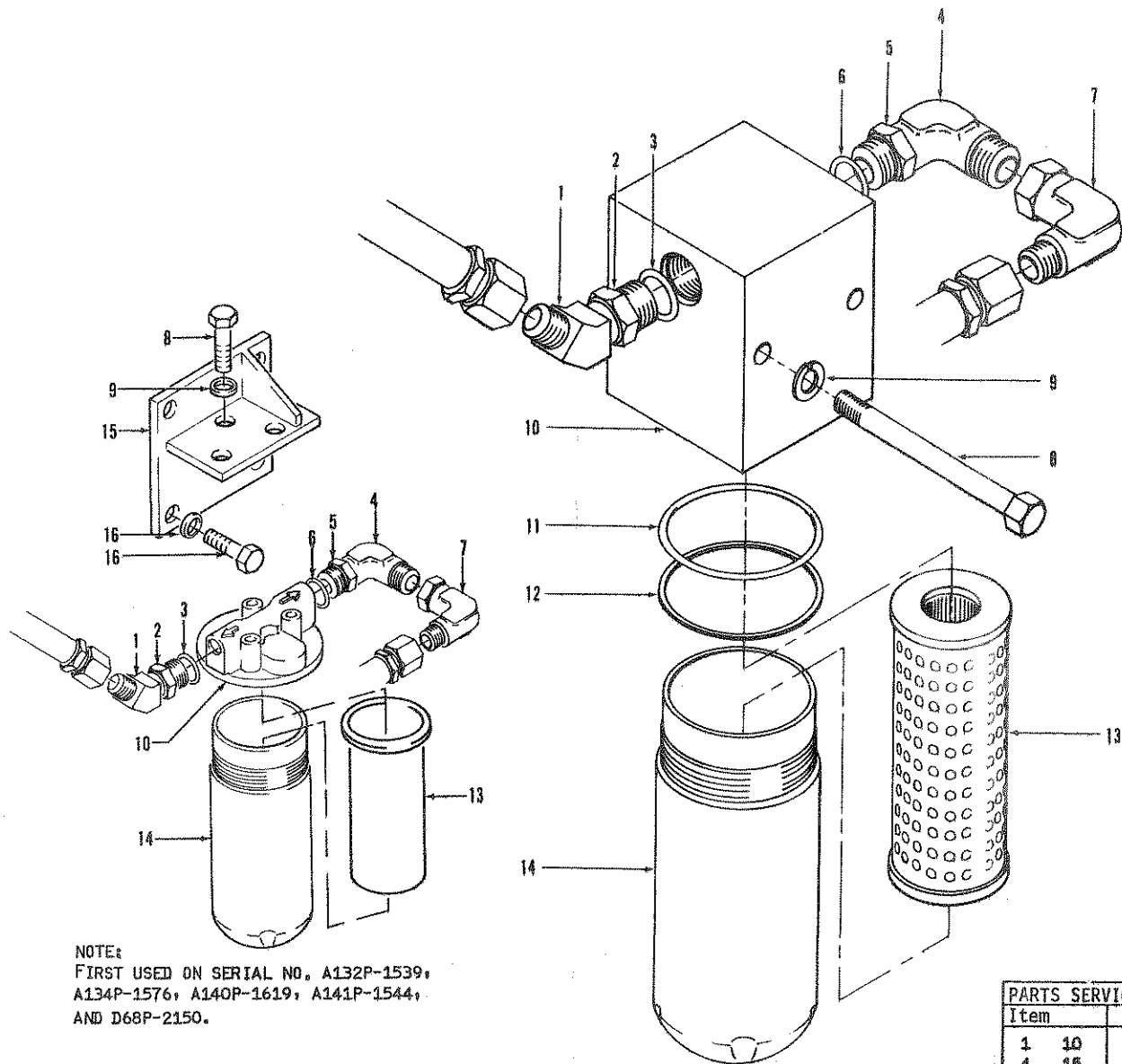
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
	192941	PUMP-HYDRAULIC	1
1	196993	COVER	1
2	196994	BEARING-NEEDLE	2
3	232797	VALVE	2
4	196995	SPRING	2
5	232799	PLUG-VALVE	2
6	196996	BODY	1
7	196994	BEARING-NEEDLE	1
8	196998	GEAR-IDLER	1
8	197000	GEAR	1
9	196999	SHAFT	1
10	197001	KEY	1
11	197002	RING-RETAINING	2
12	197003	PLATE-GEAR	1
12	197009	PLUG-PIPE	2
13	197004	GEAR-DRIVE	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
14	197005	SHAFT-DRIVE	1
15	197006	KEY-SQUARE	1
16	197008	CAPSCREW-FLAT HD 10-UNC X 5/8	3
17	197010	PLATE-PILOT	1
18	197011	SEAL-ROTARY	1
19	109607	O-RING	1
20	45204	BEARING-BALL	1
21	197016	WASHER	2
22	197017	RING-DOWEL	2
23	197018	PIN-DOWEL	2
24	18475	CAPSCREW-1/4 UNC X 2 1/2	2
25	15154	LOCKWASHER-1/4	2
26	16782	CAPSCREW-5/16 UNC X 2 1/4	6
26	15155	LOCKWASHER-5/16	6
27	32415	KEY-NO. 7	1

HYSTER COMPANY

PARTS OPERATIONS
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FILTER AND HOSES



NOTE:
FIRST USED ON SERIAL NO. A132P-1539,
A134P-1576, A140P-1619, A141P-1544,
AND D68P-2150.

PARTS SERVICE GRAM		
Item	Gram	
1	10	AO-Z-19
4	15	
8	16	
9		

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
1	164642	ELBOW-45 DEGREE	1
1	16570	ELBOW-45 DEGREE	1
2	16588	LOCKNUT	1
3	16486	O-RING	1
4	201776	ELBOW	1
4	16561	ELBOW	1
5	16588	LOCKNUT	1
6	16486	O-RING	1
7	83857	ELBOW	1
8	239885	CAPSCREW-3/8 UNC X 4-1/2 GS	2
8	18497	CAPSCREW-5/16 UNC X 1	3
9	15156	LOCKWASHER-3/8	2
9	15155	LOCKWASHER-5/16	3
10	147461	FILTER	1
10	277489	FILTER	1
10	149295	HEAD	1
10	259075	HEAD	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
10	.....	VALVE-RELIEF	1
11	149297	O-RING	1
12	149298	RING-BACK-UP	1
13	147463	ELEMENT	1
13	277490	ELEMENT	1
14	149296	CASE	1
15	225436	BRACKET	1
16	179443	CAPSCREW	2
16	15156	WASHER	2

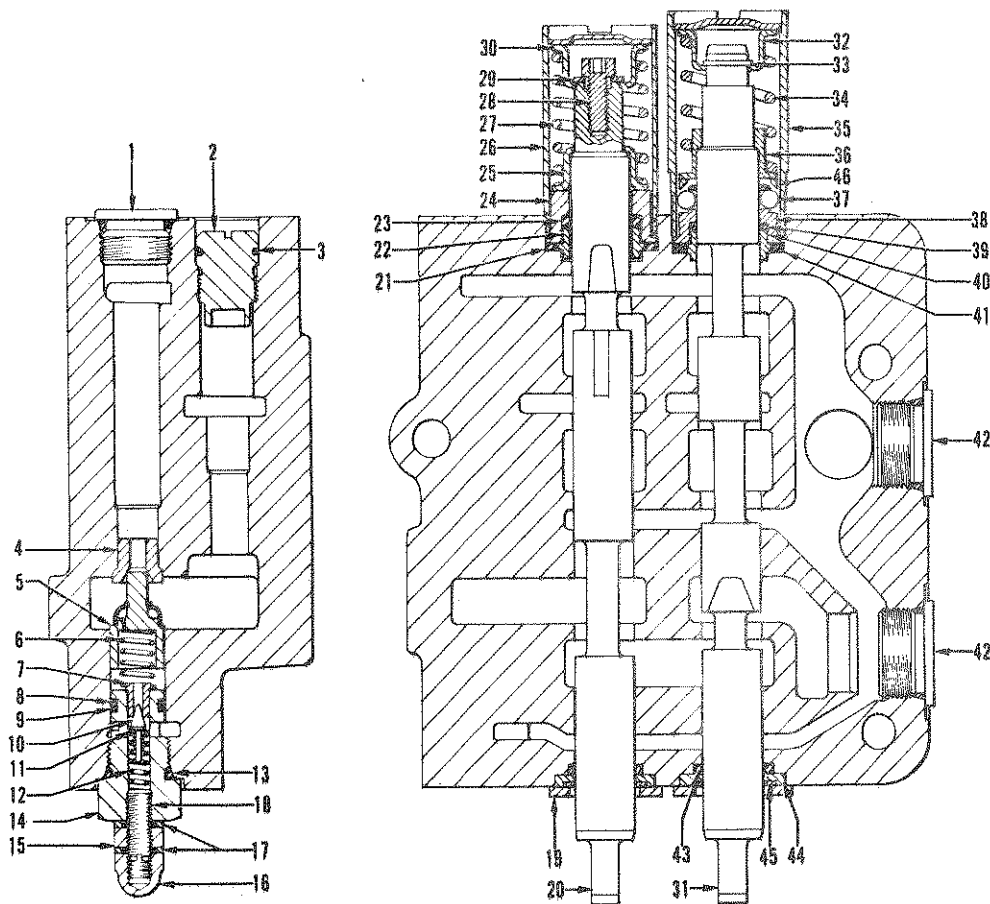
8FIRST USED ON SERIAL NO. A132P-1539,
A134P-1576, A140P-1619, A141P-1544, AND
D68P-2150.
8LAST USED ON SERIAL NO. A132P-1538,
A134P-1575, A140P-1618, A141P-1543, AND
D68P-2149.
*INCLUDED IN CONVERSION KIT 255443.

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

CONTROL VALVE

LAST USED ON SERIAL NO. D68P-1620



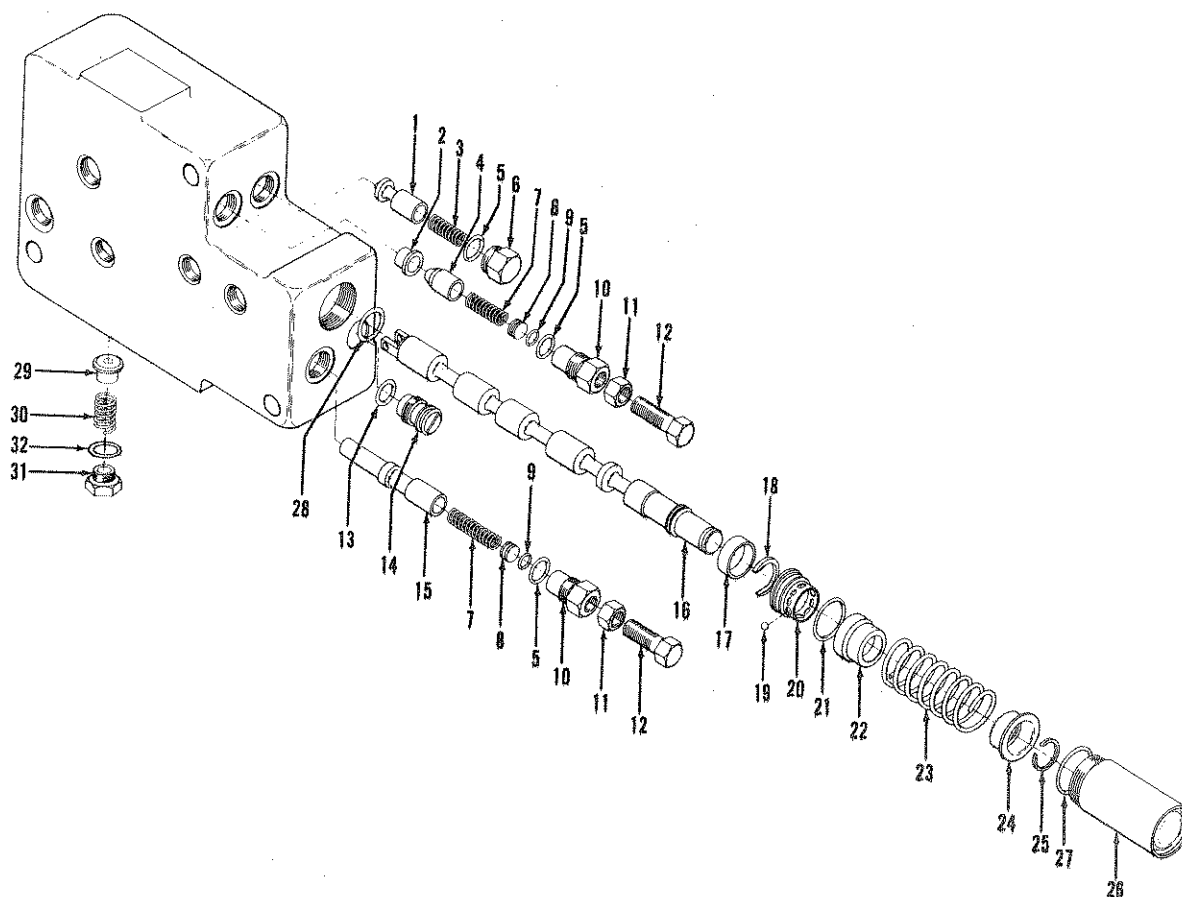
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
	168741	VALVE-CONTROL	1
1	233693	PLUG	4
1	16485	O-RING	1
2	233492	CAP	2
3	118389	O-RING	2
4	166917	VALVE-RELIEF	1
4	170988	SEAT	1
5	170989	POPPET	1
6	170993	SPRING	1
7	166919	SEAT-PILOT	1
8	159859	O-RING	1
9	159858	RING-BACK-UP	1
10	170995	PLUNGER-PILOT	1
11	170996	SLEEVE	1
12	166920	SPRING-PILOT	1
13	16484	O-RING	1
14	170994	CAP	1
15	233502	NUT-JAM	1
16	233503	NUT-ACORN	1
17	234823	WASHER-SEAL	2
18	170997	SETScrew	1
19	233508	PLATE-RETAINER	2
19	233696	SCREW	4
20	166913	SPOOL-MODULATING	1
21	166912	O-RING	1
22	166909	RETAINER-SEAL	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
23	60836	O-RING	1
24	166910	RETAINER-SEAL	1
25	166905	RETAINER-SPRING	1
26	166906	CAP	1
27	166911	SPRING-SPOOL	1
28	166914	SCREW	1
29	166922	WASHER	1
30	166904	RETAINER-SPRING	1
31	170981	SPOOL-SELECTOR	1
32	166904	RETAINER-SPRING	1
33	233495	SNAP RING	1
34	166911	SPRING-SPOOL	1
35	170985	CAP	1
36	170983	SPACER-SELECTOR	1
37	170987	BALL-STEEL	8
38	170984	RETAINER-BALL	1
39	60836	O-RING	1
40	170986	RETAINER-SEAL	1
41	166912	O-RING	1
42	163660	PLUG	2
42	16486	O-RING	1
43	60836	O-RING	2
44	233506	RETAINER-SEAL	2
45	233505	WIPER	2
46	184450	SPACER	1
	166912	O-RING-VALVE TO SUPPORT	1

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CONTROL VALVE

FIRST USED ON SERIAL NO. D68P-1621



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
*	217120	VALVE-CONTROL	1
□	262092	VALVE-CONTROL	1
1	196006	SPOOL-FORWARD MODULATING	1
2	195990	SEAT-RELIEF	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	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
15	196003	SPOOL-REVERSE MODULATING	1
16	* 217118	SPOOL	1
16	□ 238993	SPOOL	1
17	195999	RING	1
18	196000	RING	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
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	O-RING	1
29	198068	POPPET-CHECK VALVE	1
30	137117	SPRING	1
31	196032	PLUG	1
32	16487	O-RING	1

*FIRST USED ON SERIAL NO. A132P-1546, D68P-2216, A134P-1587, A140P-1647 AND A141P-1553.

*LAST USED ON SERIAL NO. A132P-1545, D68P-2215, A134P-1586, A140P-1646 AND A141P-1552.

HYSTER COMPANY

PARTS OPERATIONS
Danville, Illinois 61832

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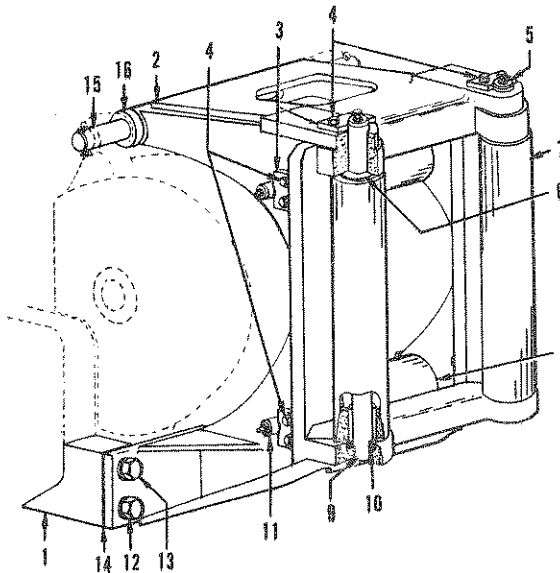
OPTIONAL EQUIPMENT

CABLE GUIDE ROLLS.....1F04
FAIRLEAD.....1F03
SWIVELING DRAWBAR.....1F04

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Danville, Illinois 61832

FAIRLEAD



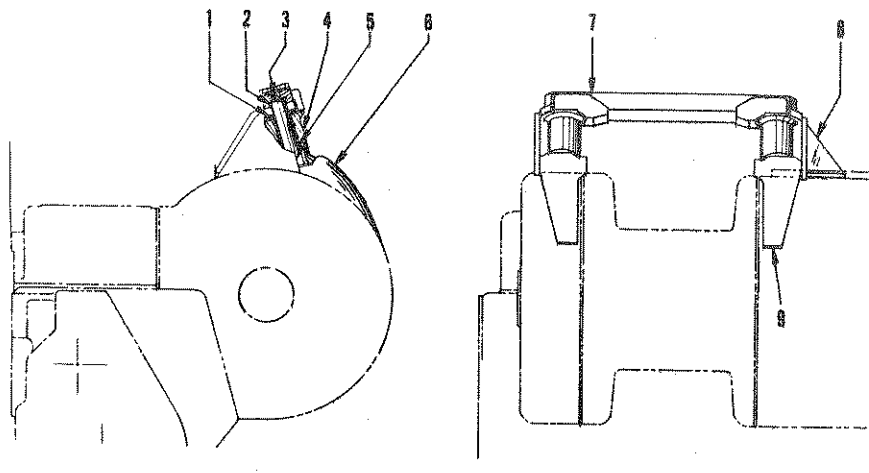
REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	182733	PLATE-MOUNTING	2
2	95801 W	FRAME	1
3	93166	KEEPER	4
4	16820	CAPSCREW-1/2 UNF X1 G5	8
4	15158	LOCKWASHER-1/2	8
5	16001	GREASE FITTING	8
6	38672	WASHER	2
7	93980 A	ROLLER	2
7	93979	BUSHING	4
8	92212 A	ROLLER	2
8	59419	BUSHING	4
8	92720	WASHER	4

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
9	93981	SHAFT-VERTICAL	2
10	230353	BEARING-THRUST	2
11	93658	SHAFT-HORIZONTAL	2
12	18670	CAPSCREW-1 UNC X 2-3/4 G5	2
12	15166	LOCKWASHER-1	2
13	18667	CAPSCREW-1 UNC X 2-1/4 G5	2
13	15166	LOCKWASHER-1	2
14	96504	SHIM-.135	AR
15	92606	ROD-TIE	1
15	15272	COTTER-3/8 X 3	2
16	173608	SPACER	2

HYSTER COMPANY

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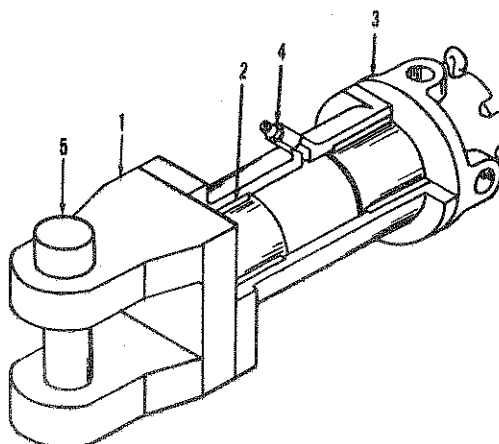
CABLE GUIDE ROLLS



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
1	95668	WASHER	4
2	95669	PIN-ROLLER	2
3	16006	FITTING-LUBE	2
4	95666 A	ROLLER	2
5	35135	BUSHING	4
6	95656 W	BRACKET-L.H.	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
7	95888 W	GUARD-TIE	1
7	16645	CAPSCREW-5/8 UNF X 2-1/4	4
7	15160	LOCKWASHER-5/8	4
8	95665	GUSSET	1
9	95662 W	BRACKET-R.H.	1

SWIVELING DRAWBAR



REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
	182857	SWIVELING DRAWBAR	1
1	33787	DRAWBAR	1
2	92671	BUSHING	2
3	33618	NUT	1

REF. NO.	HYSTER PART NO.	NAME OF PART	QTY.
		1 2 3 4	
3	15295	COTTER	1
4	16002	FITTING-GRE SE	1
5	95959	PIN	1
5	15373	COTTER	1

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142	1D07	15	16002	1F04	4	18599	1D06	40	93284	1C07	3	96504	1F03	14
206	1E01	9	16006	1F04	3	18667	1F03	13	93285	1C07	3	96735	1C07	18
6327	1C03	5	16165	1D03	17	18670	1F03	12	93286	1C07	3	96736	1C05	26
9059	1B05	1	16200	1D10	6	18807	1C10	7	93287	1C07	4	96737	1C05	26
9450	1C03	4	16316	1D11	5	18849	1B05	5	93658	1F03	11	100154	1D03	26
10389	1B04	11	16445	1D07	18	18853	1D04	27	93979	1F03	7	109453	1C03	11
12833	1D12	20	16448	1D04	39	18994	1D11	14	93983 A	1F03	7	109607	1E03	19
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14345	1D09	5	16484	1E05	13	27187	1D10	7	95166	1C08	11	115922	1D12	14
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15055	1D09	25	16828	1D05	14	41217	1C05	11	95489	1C08	8	131918	1C05	1
15056	1D08	24	16830	1D06	47	44460	1C10	9	95490	1C08	16	131920	1C05	3
15058	1D09	24	16909	1D03	8	45204	1E03	20	95492	1C07	6	131921	1C05	3
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15156	1D04	28	16983	1D10	9	54112	1D11	8	95496	1C10	5	131982	1C09	15
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15211	1D03	3	17309	1D05	19	62499	1D06	46	95656 W	1F04	6	132009	1D05	20
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15225	1D08	6	17344	1D03	20	73470	1D05	21	95665	1F04	8	132046	1D11	11
15240	1B05	3	17346	1D12	1	77297	1D05	12	95666 A	1F04	4	132596	1E02	16
15272	1B03	1	17641	1D14	27	78035 A	1E01		95668	1F04	1	132717	1E02	8
15273	1B03	5	17651	1D12	15	83857	1D12	16	95669	1F04	2	132718	1E02	14
15283	1B05	1	17748	1D12	15	86079	1C05	9	95709	1D07	15	132772	1D11	13
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15302	1C05	18	18262	1C10	4	87355	1C03	2	95761	1C05	8	133257	1C03	9
15306	1B04	13	18460	1D09	11	88837	1D10	6	95762	1C06	8	133258	1C03	9
15316	1C08	18	18461	1D08	11	89770	1C07	8	95763	1C10	1	133270	1C05	16
15319	1B04	14	18468	1D12	4	89771	1C07	7	95801 W	1F03	2	133271	1C05	16
15366	1D12	19	18475	1F03	24	89772	1C07	5	95813	1C03	13	133272	1C05	16
15373	1F04	5	18497	1D09	20	89775	1C07	16	95814	1C05	10	133274	1C10	13
15553	1D07	21	18513	1E02	2	89776	1C07	15	95816	1C08	3	133275	1C10	13
15860	1E06	9	18522	1D03	5	90202	1C03	4	95821	1C03	16	133276	1C10	13
15866	1B05	4	18547	1D11	10	92212 A	1F03	8	95822	1C10	1	133683	1D03	3
15886	1C10	18	18551	1D10	1	92606	1B03	1	95824	1C03	16	134821	1B05	3
15888	1C10	17	18558	1D13	24	92671	1F04	2	95825	1C03	16	135737	1B08	1
15895	1C05	33	18588	1D11	15	92720	1F03	8	95833	1C07	6	136385	1B07	3
15929	1C03	10	18596	1D04	31	92867	1C09	14	95888 W	1F04	7	136391	1D11	8

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138542	1D10	1	165662	1D03	25	175189	1C05	21	184139	1E01	9	196129	1D08	14
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139725	1D11	1	166905	1E05	25	175197	1C07		186460	1B03	9	196144	1D08	3
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141149	1C10	4	166913	1E05	20	177949	1C10	4	189086	1D07		196465	1D08	3
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149296	1E04	14	170989	1E05	5	182207	1D04	40	195394	1D12	16	197018	1E03	23
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160762	1E02	9	172747	1D07	3	184123	1E01	17	196002	1E06	25	198051	1B05	1
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