



PARTS BOOK

DITCHER HEADS

• BOOM MOUNT •

DIAMOND MOWERS, LLC
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Foreword

This manual contains the parts breakdown and identification of the various components and structures that make up your mower implement.

The illustrations, drawings, and diagrams in this manual are based on the latest information available at the time of publication. Your machine may have product improvements and features not yet contained in this parts manual.

Diamond Mowers, LLC reserves the right to make changes at any time without notice or obligation.

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This manual should be consulted prior and while assembling the unit, and anytime parts or assembly clarification is needed.

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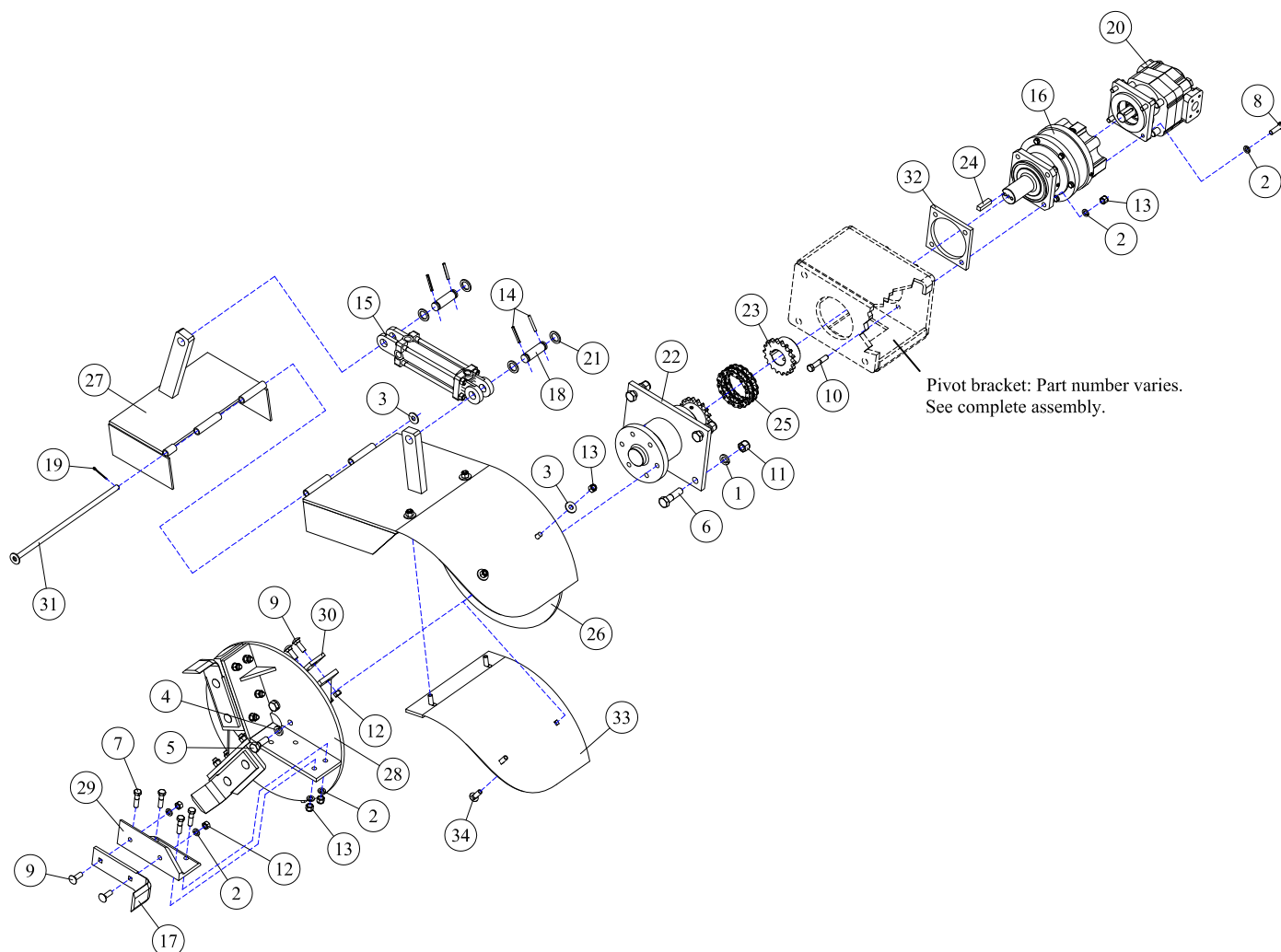


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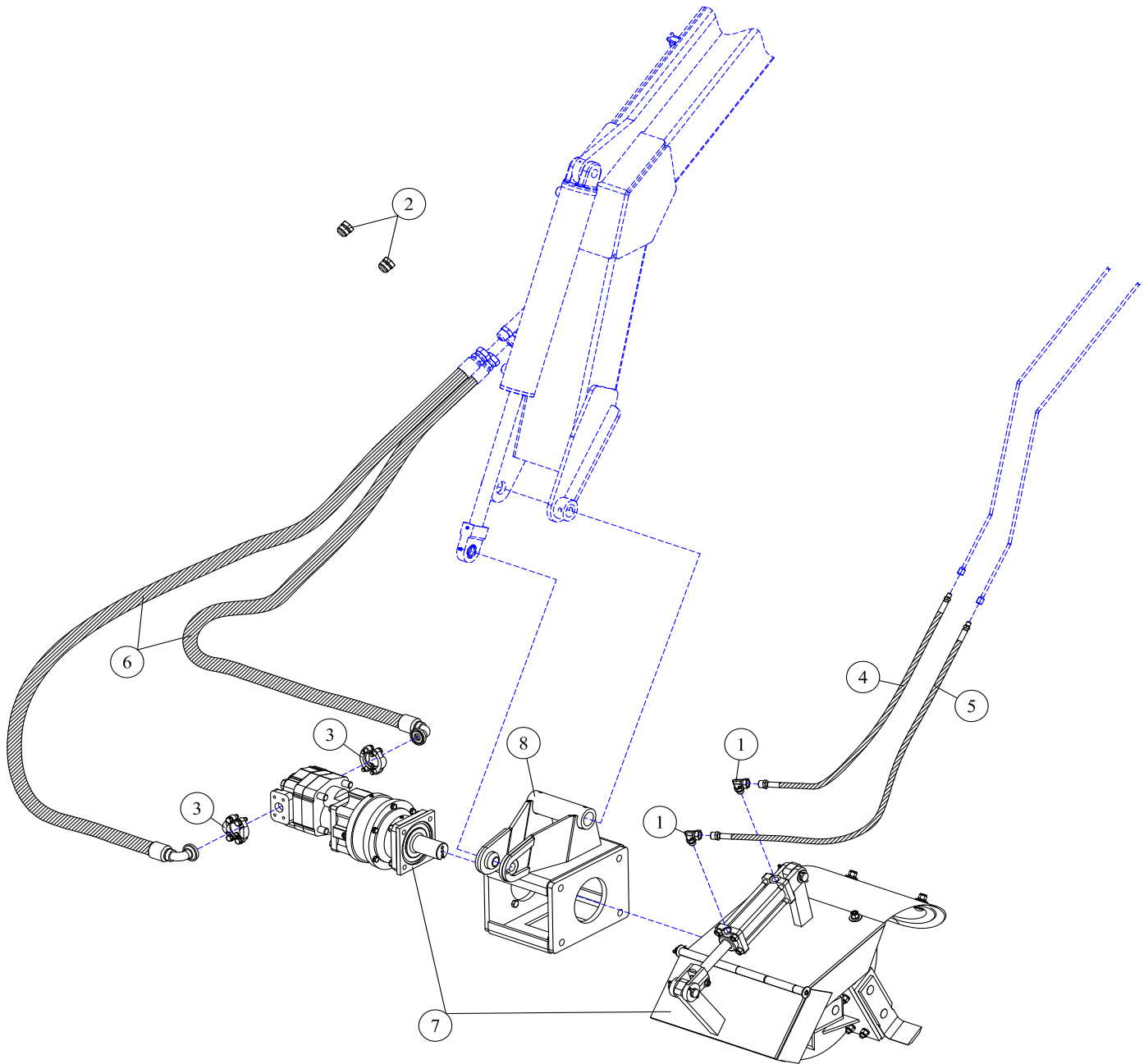
DITCHER HEADS



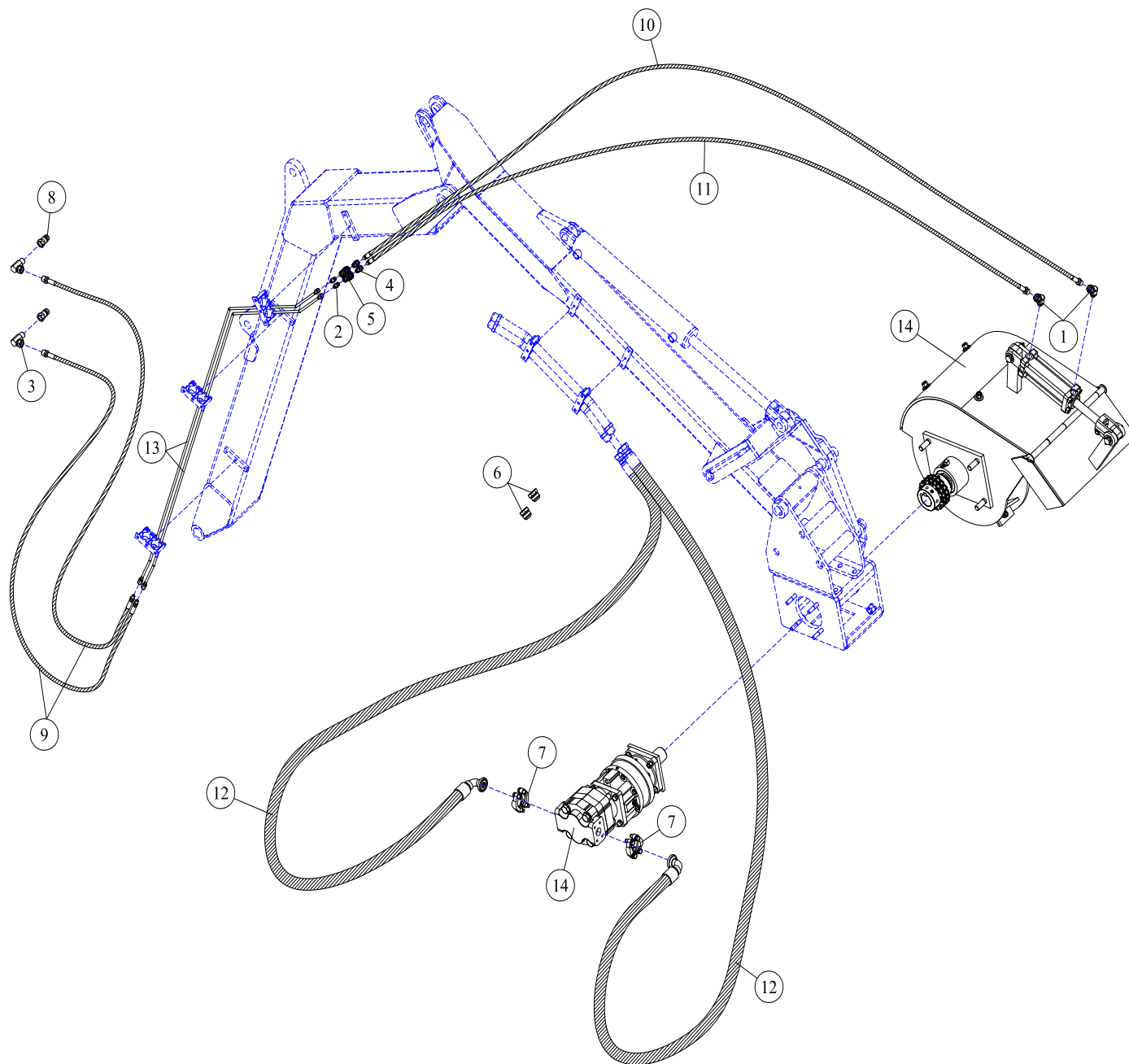
BOOM DITCHER HEAD - 22", STANDARD ROTATION

REF#	PARTS DESCRIPTION	REQ	PART #
1	3/4 LOCK WASHER	4	11-0007
2	1/2 LOCK WASHER	26	11-0011
3	1/2 FLAT WASHER	5	11-0018
4	5/8 H.S. LOCK WASHER	6	11-0043
5	5/8 X 2 H.S. NF HEX CAPSCREW	6	11-0508
6	3/4 X 3 NC HEX CAPSCREW	4	11-0509
7	1/2 X 2 NC HEX CAPSCREW	12	11-0522
8	1/2 X 1-3/4 NC HEX CAPSCREW	4	11-0535
9	1/2 X 1-1/2 NC CARRIAGE BOLT	12	11-0608
10	1/2 X 2-3/4 NC HEX CAPSCREW	4	11-0636
11	3/4 NC NYLOCK NUT	4	11-1006
12	1/2 NC HEX NUT	12	11-1016
13	1/2 NC NYLOCK NUT	20	11-1018
14	1/4 X 2 ROLL PIN	4	11-2005
15	2 X 6 CYLINDER	1	14-0020
16	GEAR BOX	1	19-0042
17	KNIFE	3	22-2000

REF#	PARTS DESCRIPTION	REQ	PART #
18	CLEVIS PIN, 1 X 3-1/2	2	27-0004
19	1/8 X 1-1/4 COTTER PIN	1	27-1009
20	365 MOTOR	1	30-0514
21	1-1/2OD X 1ID X 10GA, BUSHING	4	34-0060
22	SPINDLE ASSEMBLY	1	35-0018
23	2" SPROCKET	1	37-0024
24	1/2 X 2 KEY	1	37-0026
25	COUPLING CHAIN	1	37-0027
26	BLADE HOUSING	1	41-0241
27	DEFLECTOR CHUTE	1	41-0242
28	KNIFE DISK	1	41-0245
29	KNIFE MOUNTING ANGLE	3	41-0246
30	SLINGER PAD	3	41-0247
31	CHUTE PIN	1	41-0248
32	SPACER PLATE	1	41-0249
33	WEAR PLATE	1	41-0250
34	1/2 X 1-3/4 NC CARRIAGE BOLT	4	11-0812

BOOM DITCHER HEAD - PRIMARY BOOM ATTACHMENT

REF#	PARTS DESCRIPTION	REQ	PART #
1	1/2ADJ-OR X 1/2FPX-90DEG, FITTING	2	21-1119
2	1 MJIC PLUG	2	21-1453
3	#20 FLANGE KIT	2	21-2105
4	HOSE 1/4 X 48 (5/16MFIC X 1/2MP)	1	21-2202
5	HOSE 1/4 X 60 (5/16MFIC X 1/2MP)	1	21-2288
6	HOSE 1 X 50 (#20FLG-90 X 1FJIC)	2	21-2645
7	DITCHER ASSEMBLY	1	
8	PIVOT BRACKET	1	41-0515

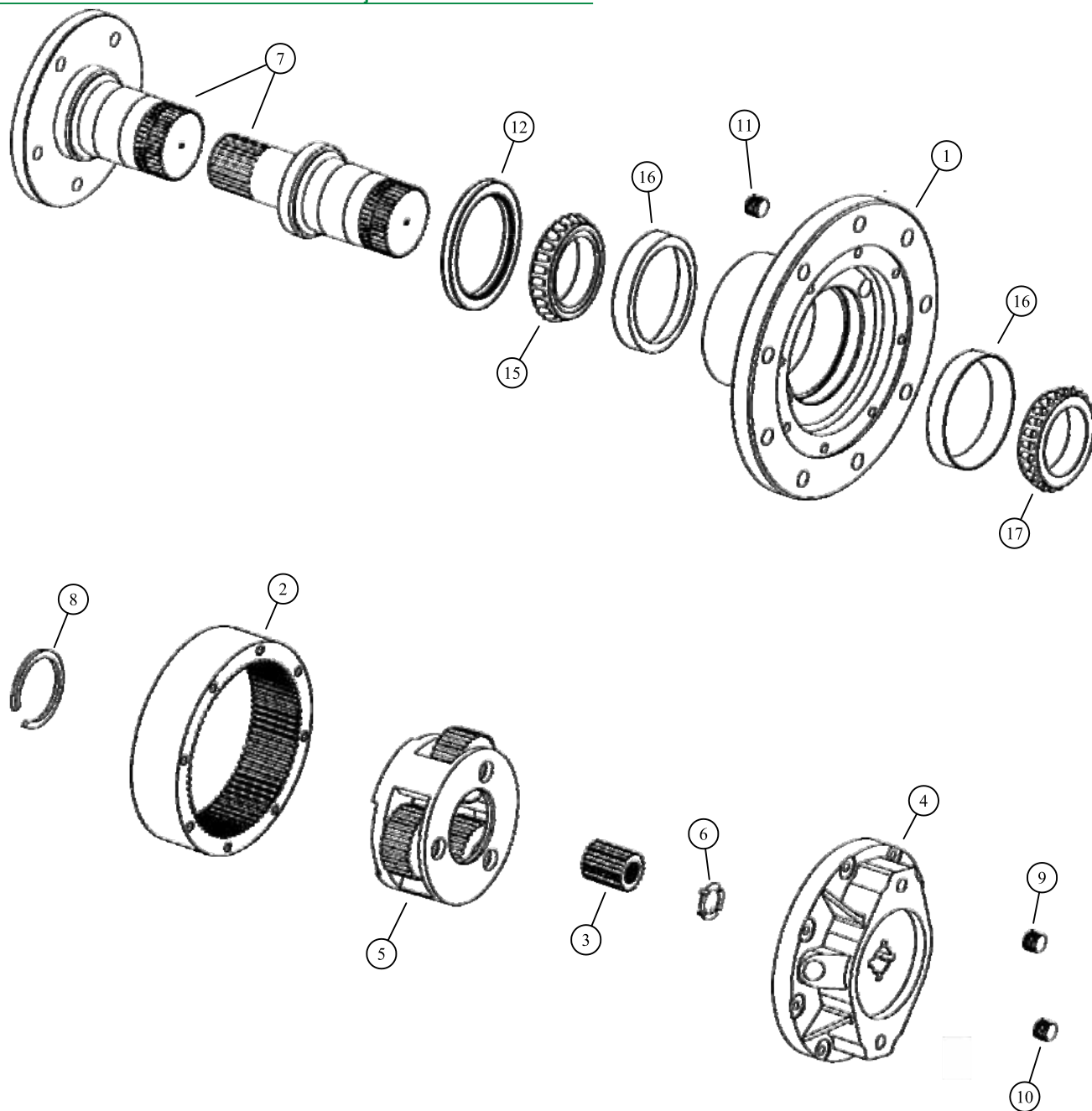
BOOM DITCHER HEAD - SECONDARY BOOM ATTACHMENT

REF#	PARTS DESCRIPTION	REQ	PART #
1	1/2ADJ-OR X 1/2FPX-45DEG, SWIVEL	2	21-1120
2	1/4MP X 5/16MJIC)	2	21-1124
3	1/2MP X 1/2FPX-90DEG, FITTING, LONG	2	21-1138
4	1/4 MALE QUICK COUPLER	2	21-1434
5	1/4 FEMALE QUICK COUPLER	2	21-1435
6	1 MJIC PLUG	2	21-1453
7	#20 FLANGE KIT	2	21-2105

REF#	PARTS DESCRIPTION	REQ	PART #
8	1/2 MALE QUICK COUPLER	2	21-2119
9	HOSE 1/4 X 135 (5/16MFIC X 1/2MP)	2	21-2266
10	HOSE 1/4 X 120 (1/4MP X 1/2MP)	1	21-2380
11	HOSE 1/4 X 112 (1/4MP X 1/2MP)	1	21-2381
12	HOSE 1 X 50 (#20FLG-90 X 1FJIC)	2	21-2645
13	PREFORMED TUBE	2	28-0010
14	DITCHER ASSEMBLY	1	

DECK ASSEMBLIES



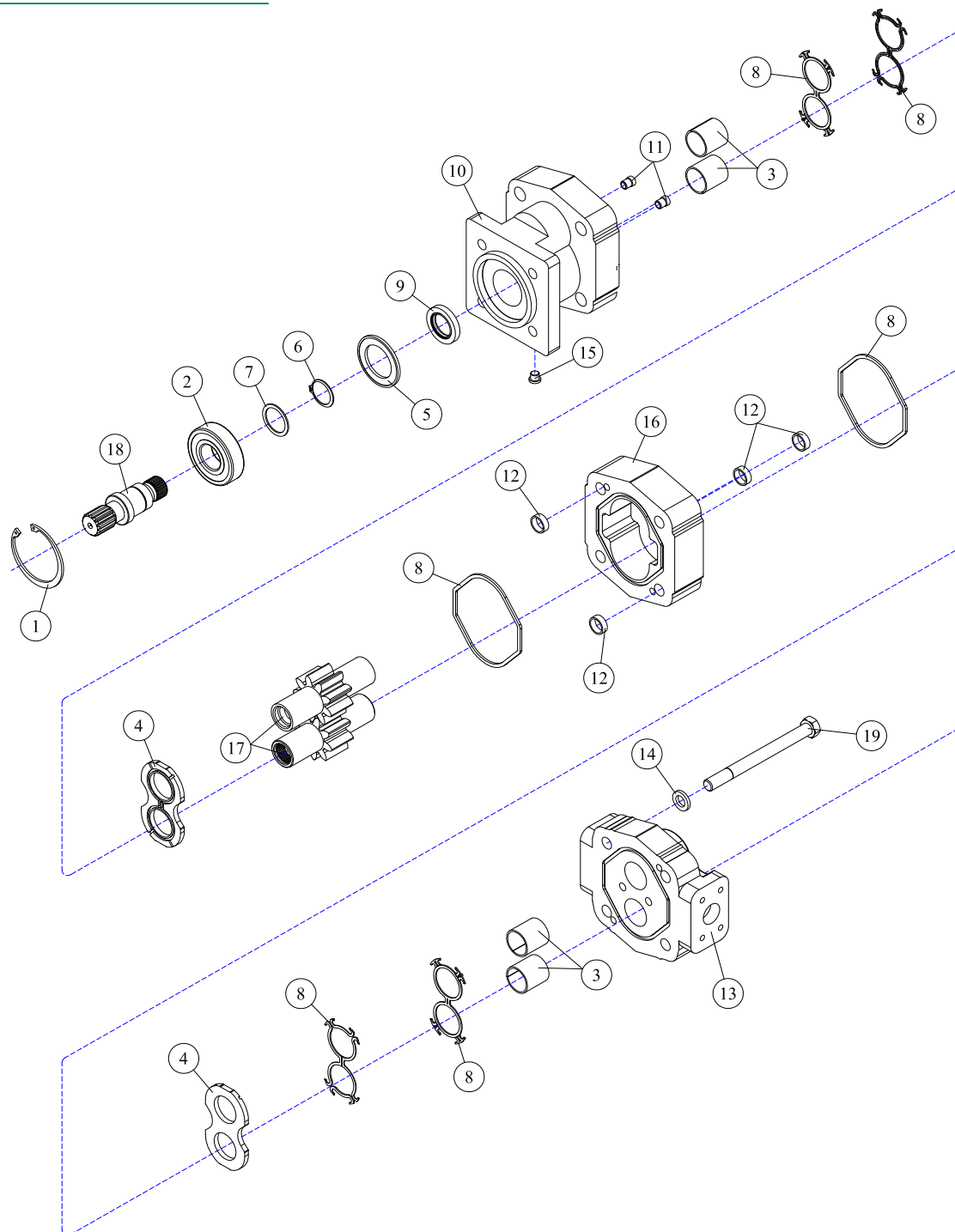
19-0042 - GEAR BOX ASSEMBLY, REDUCTION DRIVE

* Bearing & seal kit includes parts 8, 12, 15, 16 & 17

** Seal kit includes parts 8 & 12

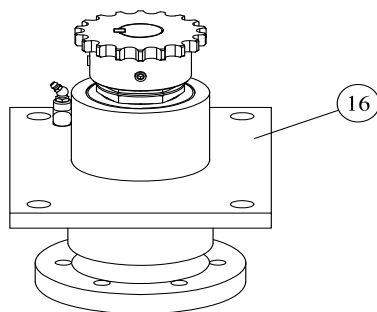
REF#	PARTS DESCRIPTION	REQ	PART #
1	HUB	1	19-0043
2	RING GEAR	1	19-0044
3	SUN GEAR	1	19-0045
4	COVER	1	19-0046
5	CARRIER ASSEMBLY	1	19-0047
6	THRUST WASHER 5/PKG	1	19-0048
7	OUTPUT SHAFT	1	30-1150
8	RETAINING RING KIT (7 RETAINING RINGS)	1	30-1151
9	1/2-14 MAGNETIC PIPE PLUG	1	30-1152

REF#	PARTS DESCRIPTION	REQ	PART #
10	1/2-14 PIPE PLUG	1	30-1153
11	1/8-27 PIPE PLUG	3	30-1154
12	OIL SEAL	1	33-0042
*13	BEARING & SEAL KIT	1	33-0043
**14	SEAL KIT	1	33-0044
15	BEARING	1	See Notes
16	BEARING CUP	2	See Notes
17	BEARING	1	See Notes

30-0514 - MOTOR ASSEMBLY

REF#	PARTS DESCRIPTION	REQ	PART #
1	SNAP RING	1	30-1009
2	OUTBOARD BEARING	1	30-1010
3	BUSHING	4	30-1011
4	THRUST PLATE	2	30-1012
5	SEAL RETAINER	1	30-1017
6	RETAINING RING	1	30-1019
7	WASHER	1	30-1020
8	M365 SEAL KIT	Avail	30-1021
9	150 PSI (included in M365 seal kit)	1	30-1210
10	SHAFT END COVER	1	30-1086

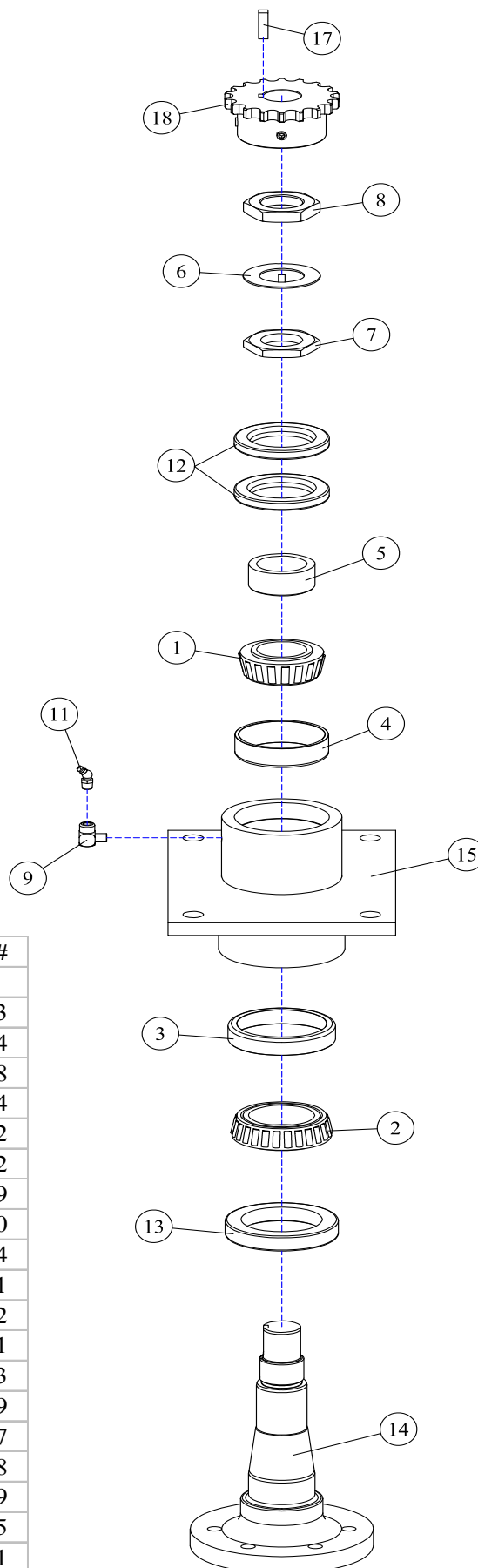
REF#	PARTS DESCRIPTION	REQ	PART #
11	CHECK ASSEMBLY	2	30-1087
12	ALIGNMENT BUSHING	4	30-1090
13	PORT END COVER	1	30-1091
14	WASHER	4	30-1093
15	PLUG	1	30-1096
16	GEAR HOUSING	1	30-1140
17	1" GEAR SET	1	30-1141
18	CONTINENTAL SHAFT, SPLINED	1	30-1144
19	STUD	4	Call

35-0018 - INDIRECT DRIVE SPINDLE, DITCHER

* Complete spindle assemblies also available.
Diamond Part #35-0018

**Do not use #2 heavy-duty grease on spindle assembly. Use Diamond spindle grease parts #23-0001

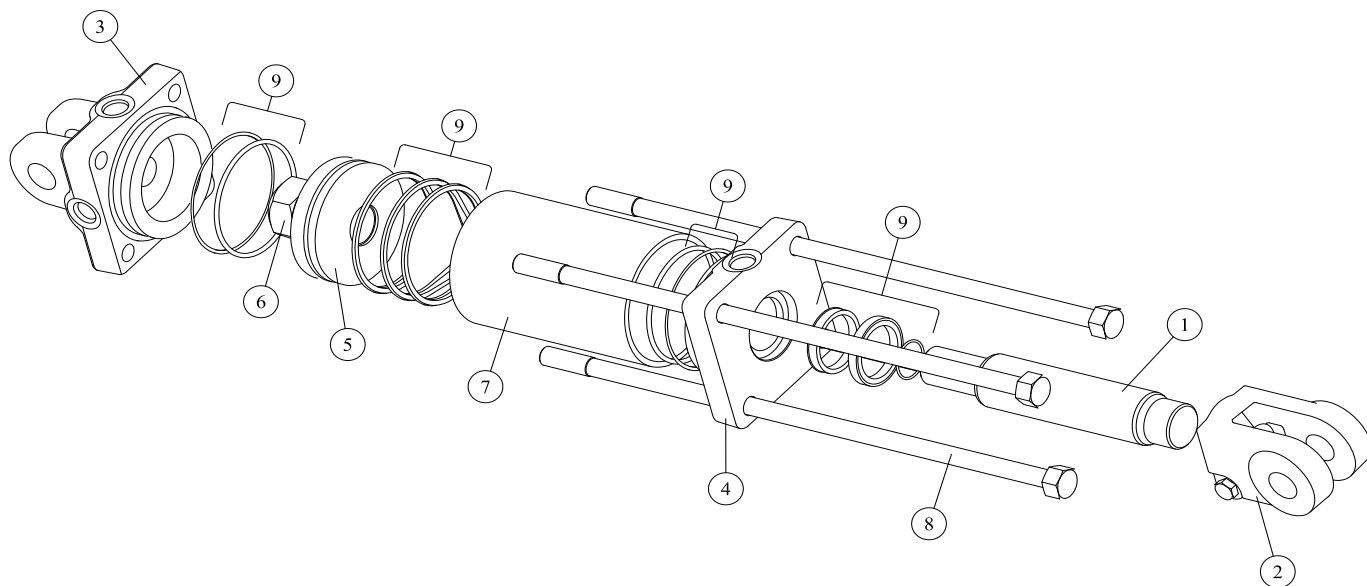
***Complete spindle repair kits available. These kits include 10-0003, 10-0004, 10-0008, 10-0014, 10-1002, 11-0002, 11-1009, 11-1010, 33-0001, 33-0003 & 37-0009. These can be purchased using part #44-0001



REF#	PARTS DESCRIPTION	REQ	PART #
1	BEARING CONE	1	10-0003
2	BEARING CONE	1	10-0004
3	BEARING CUP	1	10-0008
4	BEARING CUP	1	10-0014
5	BEARING ADJUSTMENT SLEEVE	1	10-1002
6	JAM WASHER	1	11-0002
7	ADJUSTMENT BEARING NUT	1	11-1009
8	ADJUSTMENT BEARING NUT	1	11-1010
9	1/8 X 90DEG ELBOW	1	21-1104
10**	DIAMOND SPINDLE GREASE	Avail	23-0001
11	1/8" X 45 GREASE ZERK	1	23-0002
12	UPPER SEAL SET	1	33-0001
13	LOWER SEAL	1	33-0003
14	SPINDLE	1	35-0009
15	SPINDLE HOUSING DITCHER	1	35-0017
16*	DITCHER SPINDLE ASSEMBLY	Avail	35-0018
17	SPINDLE KEY	1	37-0009
18	SPROCKET	1	37-0025
19***	SPINDLE REPAIR KIT	Avail	44-0001

LIFT ASSEMBLIES



14-0020 - 2X6 TIE-ROD CYLINDER

REF#	PARTS DESCRIPTION	REQ	PART #
1	PISTON ROD	1	14-1173
2	CLEVIS ASSEMBLY	1	14-1064
3	BUTT	1	14-1062
4	GLAND	1	14-1063
5	PISTON	1	14-1067
6	LOCKNUT	1	14-1068
7	TUBE	1	14-1174
8	TIE-ROD ASSEMBLY	4	14-1175
9	SEAL KIT	1	33-0025



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