



PARTS BOOK

ROTARY HEADS

• 60", INDIRECT DRIVE • CABLE MID-MOUNT •

DIAMOND MOWERS, LLC.
350 E 60th St. North
Sioux Falls, SD 57104

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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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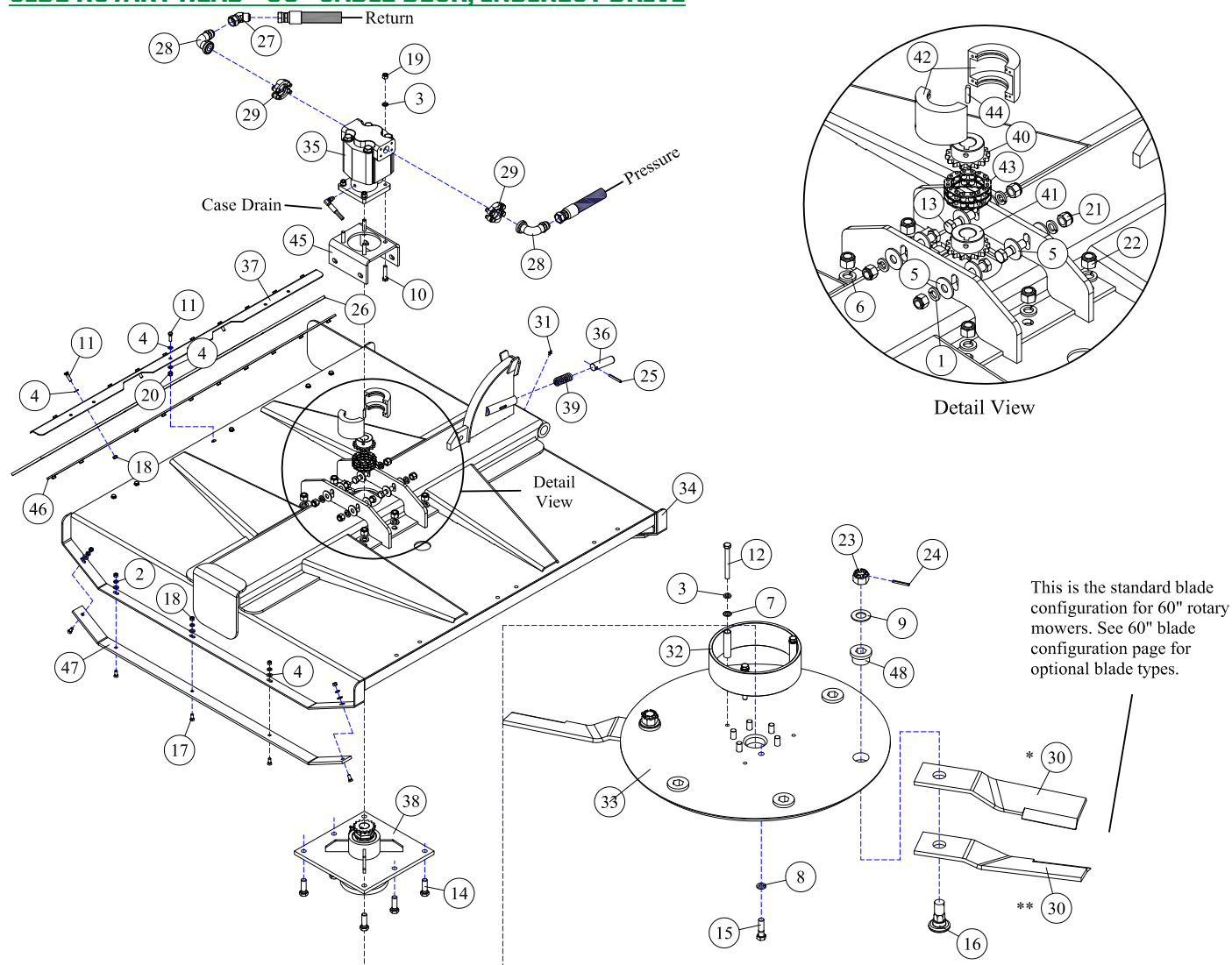
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ROTARY HEADS

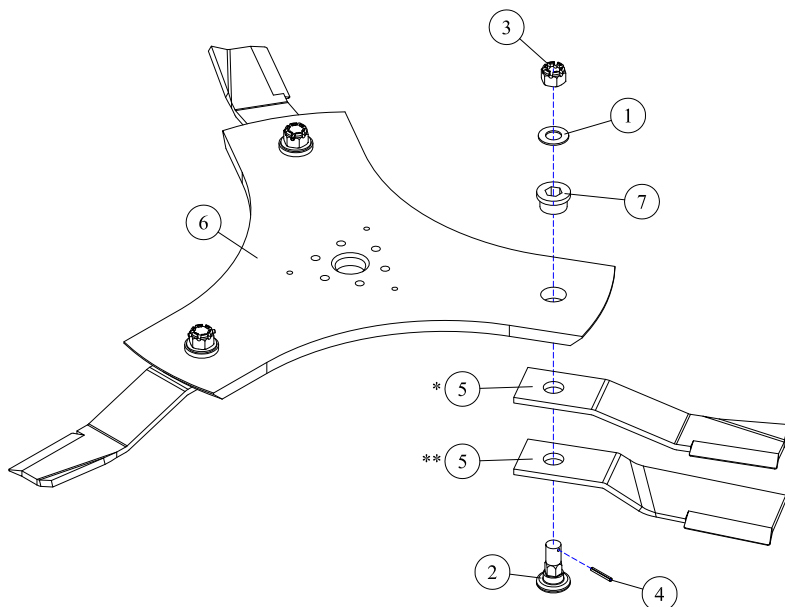


SIDE ROTARY HEAD - 60" CABLE DECK, INDIRECT DRIVE



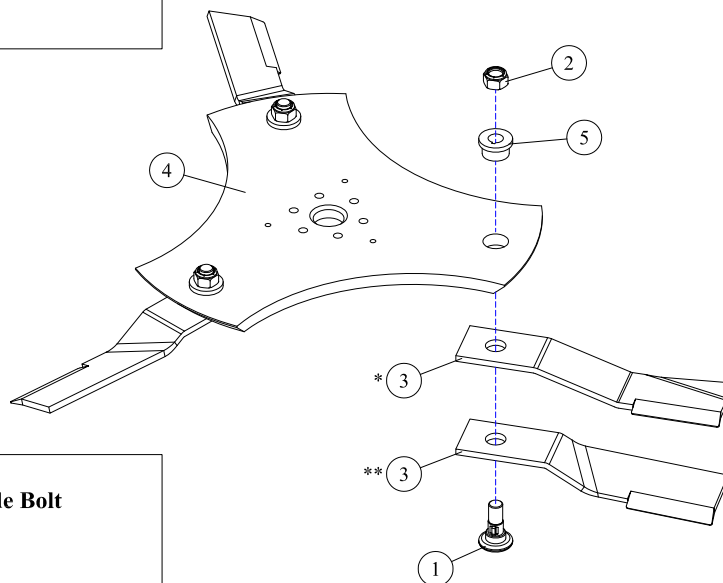
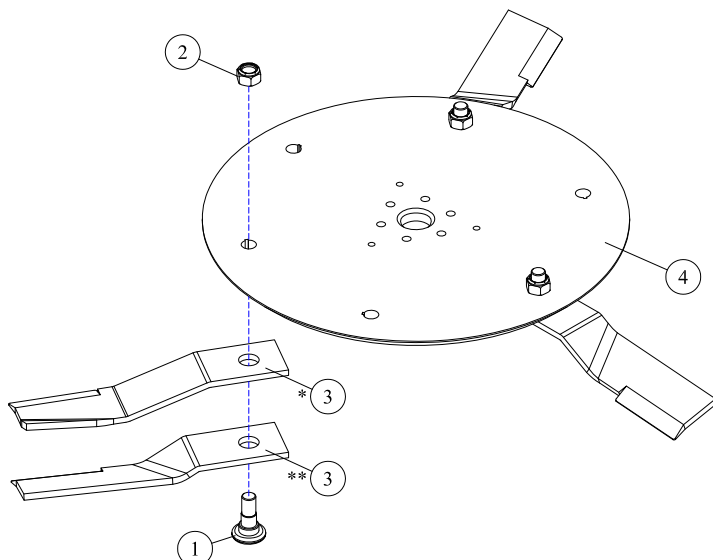
REF#	PARTS DESCRIPTION	REQ	PART #
1	5/8 LOCK WASHER	4	11-0004
2	3/8 LOCK WASHER	10	11-0005
3	1/2 LOCK WASHER	7	11-0011
4	5/16 FLAT WASHER	33	11-0015
5	5/8 FLAT WASHER	8	11-0025
6	3/4 H.S. LOCK WASHER	6	11-0040
7	1/2 H.S. SAE FLAT WASHER	3	11-0042
8	5/8 H.S. LOCK WASHER	6	11-0043
9	1-1/8 H.S. SAE FLAT WASHER	2	11-0057
10	1/2 X 2-1/4 NC HEX CAPSCREW	4	11-0531
11	3/8 X 1-1/4 NC HEX CAPSCREW	17	11-0533
12	1/2 X 4-1/2 NC HEX CAPSCREW	3	11-0553
13	5/8 X 2-1/4 NC HEX CAPSCREW	4	11-0631
14	3/4 X 2-1/4 NF H.S. HEX CAPSCREW	6	11-0658
15	5/8 X 2-1/4 H.S. NF HEX CAPSCREW	6	11-0691
16	BLADE BOLT - HEX BASE	2	11-0759
17	PLOW BOLT	10	11-0804
18	3/8 NC HEX NUT	21	11-1001
19	1/2 NC NYLOCK NUT	4	11-1018
20	3/8 NC NYLOCK NUT	6	11-1024
21	5/8 NC NYLOCK NUT	4	11-1025
22	3/4 NF H.S. STOVER NUT	6	11-1032
23	1-1/8 NF CASTLE NUT	2	11-1050
24	1/4 X 2 ROLL PIN	2	11-2005
25	5/16 X 2-1/2 ROLL PIN	1	11-2028

REF#	PARTS DESCRIPTION	REQ	PART #
26	FLAP	1	18-0001
27	1MJ X 1FJX-45DEG FITTING	1	21-1145
28	ADAPTER, #20 FLG X 1MJIC-90DEG	2	21-1267
29	#20 FLANGE KIT	2	21-2105
30	KNIFE		
*	HIGH SUCTION KNIFE	2	22-0004
**	HIGH SUCTION REVERSE KNIFE	2	22-0014
31	1/8" GREASE ZERK	1	23-0003
32	SEAL PROTECTOR	1	24-0007
33	60" 2-3 BLADE ROUND DISH (for hex bolts)	1	24-0217
34	60" DECK SHELL	1	25-0002
35	MOTOR 365 2-1/4 GEARS	1	30-0507
36	PRESS PIN	1	31-0050
37	FLAP PLATE	1	31-0054
38	SPINDLE ASSEMBLY	1	35-0010
39	SPRING TENSIONER	1	36-0002
40	1-1/4 SPROCKET	1	37-0001
41	1-1/2 SPROCKET	1	37-0003
42	COVER COUPLING	1	37-0004
43	CHAIN COUPLING	1	37-0006
44	KEY	1	37-0008
45	MOTOR MOUNT	1	41-0015
46	FLAP BAR	1	41-0101
47	SKID SHOE	2	42-0003
48	REPLACEABLE HEX INSERT	Avail	90-7010

SIDE ROTARY HEAD - 60" BLADE CONFIGURATIONS**(24-0086) Tri-Hex Blade Dish with Hex Blade Bolt**

REF#	PARTS DESCRIPTION	REQ	PART #
1	1-1/8 H.S FLAT WASHER	3	11-0057
2	BLADE MOUNTING BOLT	3	11-0759
3	BLADE MOUNTING NUT	3	11-1050
4	ROLLPIN	3	11-2005
5	KNIFE		
*	1/2" GRASS BLADE	3	22-0002
**	1/2" GRASS BLADE (HIGH SUCTION)	3	22-0004
6	60" TRI-HEX DISH	1	24-0086
7	REPLACEABLE HEX INSERT	Avail	90-7010

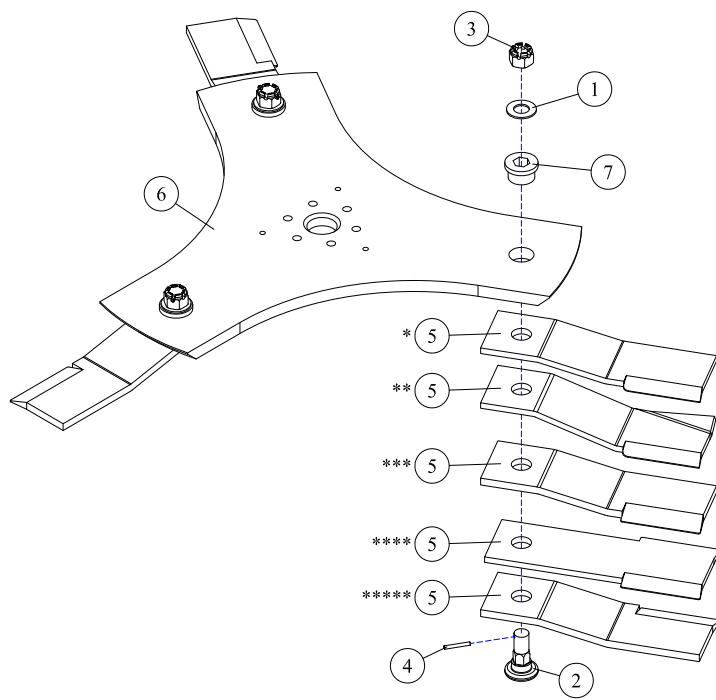
REF#	PARTS DESCRIPTION	REQ	PART #
1	BLADE MOUNTING BOLT	3	11-0503
2	BLADE MOUNTING NUT	3	11-1008
3	KNIFE		
*	1/2" GRASS BLADE	3	22-0002
**	1/2" GRASS BLADE (HIGH SUCTION)	3	22-0004
4	BLADE DISH	1	24-0076
5	REPLACEABLE INSERT	Avail	90-7007

(24-0076) Tri-Blade Dish with 1 $\frac{1}{8}$ " Keyed Blade Bolt**(24-0001) Round Blade Dish with 1 $\frac{1}{8}$ " Keyed Blade Bolt**

REF#	PARTS DESCRIPTION	REQ	PART #
1	BLADE MOUNTING BOLT	3	11-0503
2	BLADE MOUNTING NUT	3	11-1008
3	KNIFE		
*	1/2" GRASS BLADE	3	22-0002
**	1/2" GRASS BLADE (HIGH SUCTION)	3	22-0004
4	BLADE DISH	1	24-0001

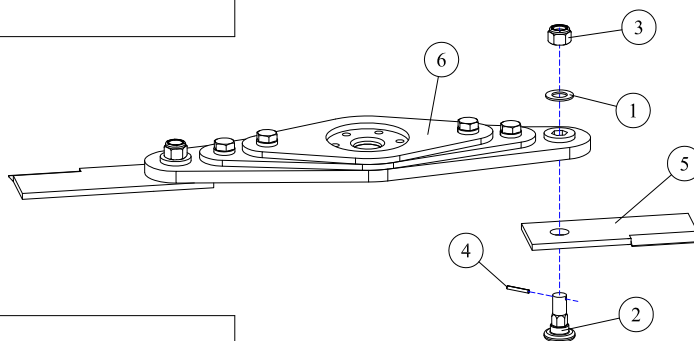
SIDE ROTARY HEAD - 60" BLADE CONFIGURATIONS

(24-0145) Tri-Hex Blade Dish with Hex Blade Bolt



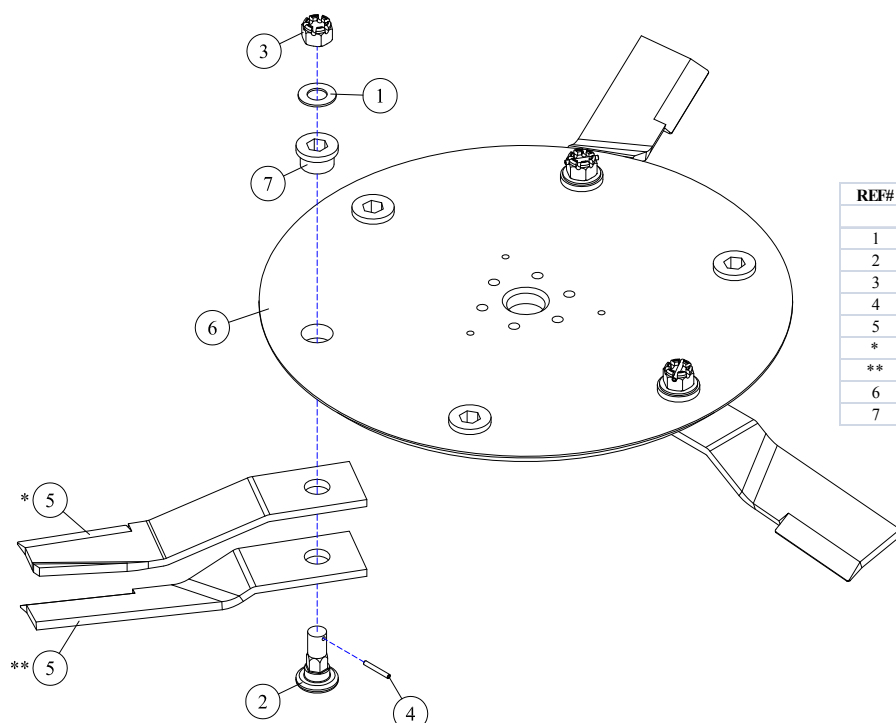
REF#	PARTS DESCRIPTION	REQ	PART #
1	1-1/8 H.S FLAT WASHER	3	11-0057
2	BLADE MOUNTING BOLT	3	11-0759
3	BLADE MOUNTING NUT	3	11-1050
4	ROLLPIN	3	11-2005
5	KNIFE		
*	50" BRUSH KNIFE - 1/2"	3	22-0003
**	50" GRASS KNIFE, HIGH SUCTION - 1/2"	3	22-0005
***	50" BRUSH BLADE - 5/8"	3	22-0006
****	50" BI-DIRECTIONAL BLADE - 1/2"	3	22-0012
*****	50" BRUSH KNIFE - REVERSE ROTATION - 5/8"	3	22-0017
6	60" BOOM DECK DISH	1	24-0145
7	REPLACEABLE HEX INSERT	Avail	90-7010

(24-0102) 3-Tier Blade Bar Reversible

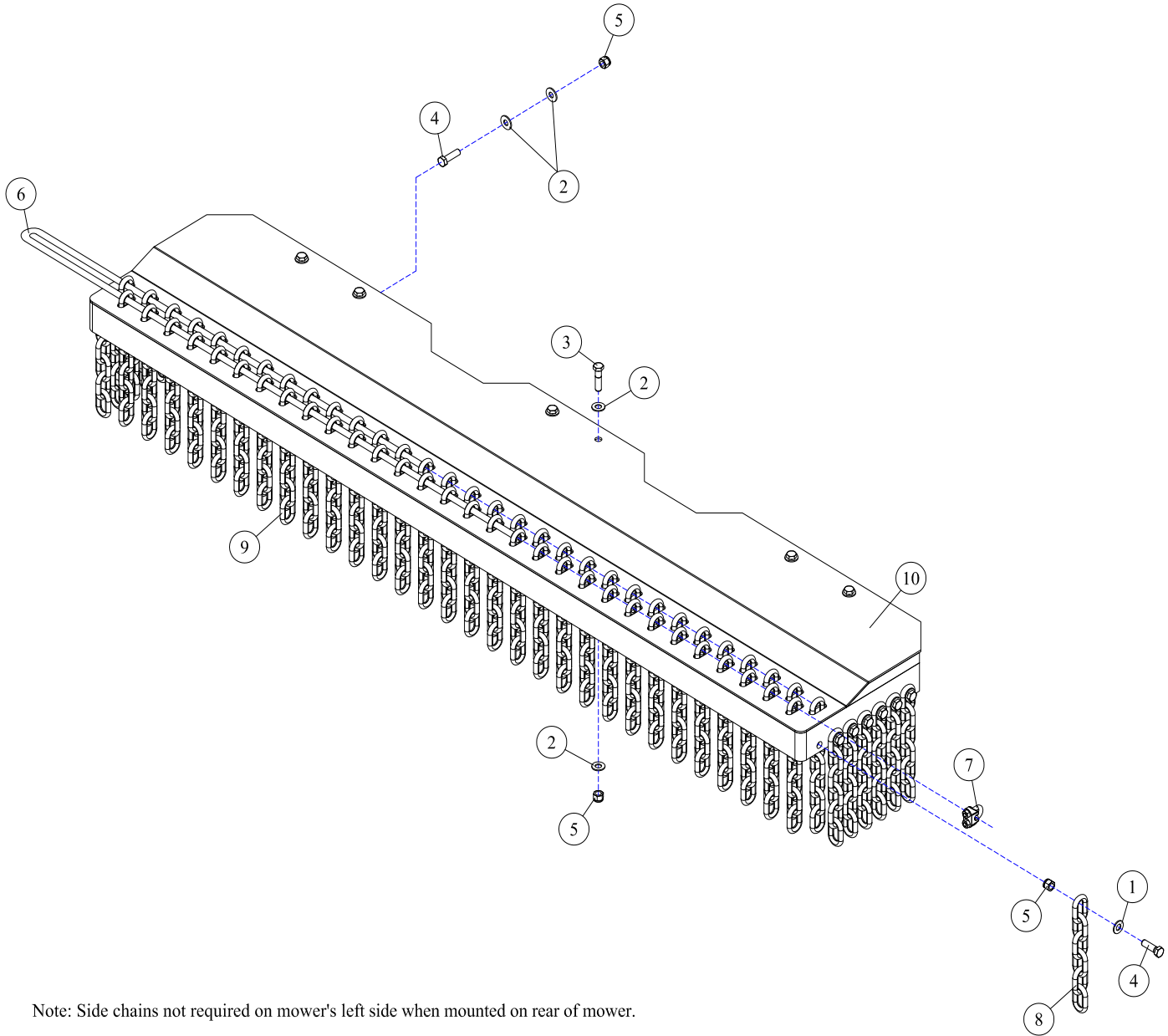


REF#	PARTS DESCRIPTION	REQ	PART #
1	1-1/8 SAE H.S. FLAT WASHER	2	11-0057
2	KNIFE MOUNTING BOLT	2	11-0759
3	KNIFE MOUNTING NUT	2	11-1050
4	1/4 X 2 ROLL PIN	2	11-2005
5	50" BI-DIRECTIONAL BLADE	2	22-0012
6	BLADE BAR	1	24-0102

(24-0217) 60" 2-3 Blade Round Dish with Hex Blade Bolt



REF#	PARTS DESCRIPTION	REQ	PART #
1	1-1/8 H.S FLAT WASHER	3	11-0057
2	BLADE MOUNTING BOLT	3	11-0759
3	BLADE MOUNTING NUT	3	11-1050
4	ROLLPIN	3	11-2005
5	KNIFE		
*	1/2" GRASS BLADE	3	22-0002
**	1/2" GRASS BLADE (HIGH SUCTION)	3	22-0004
6	60" ROUND DISH, 2-3 BLADE	1	24-0217
7	REPLACEABLE HEX INSERT	Avail	90-7010

SIDE ROTARY HEAD - 60" CHAIN GUARD ATTACHMENT

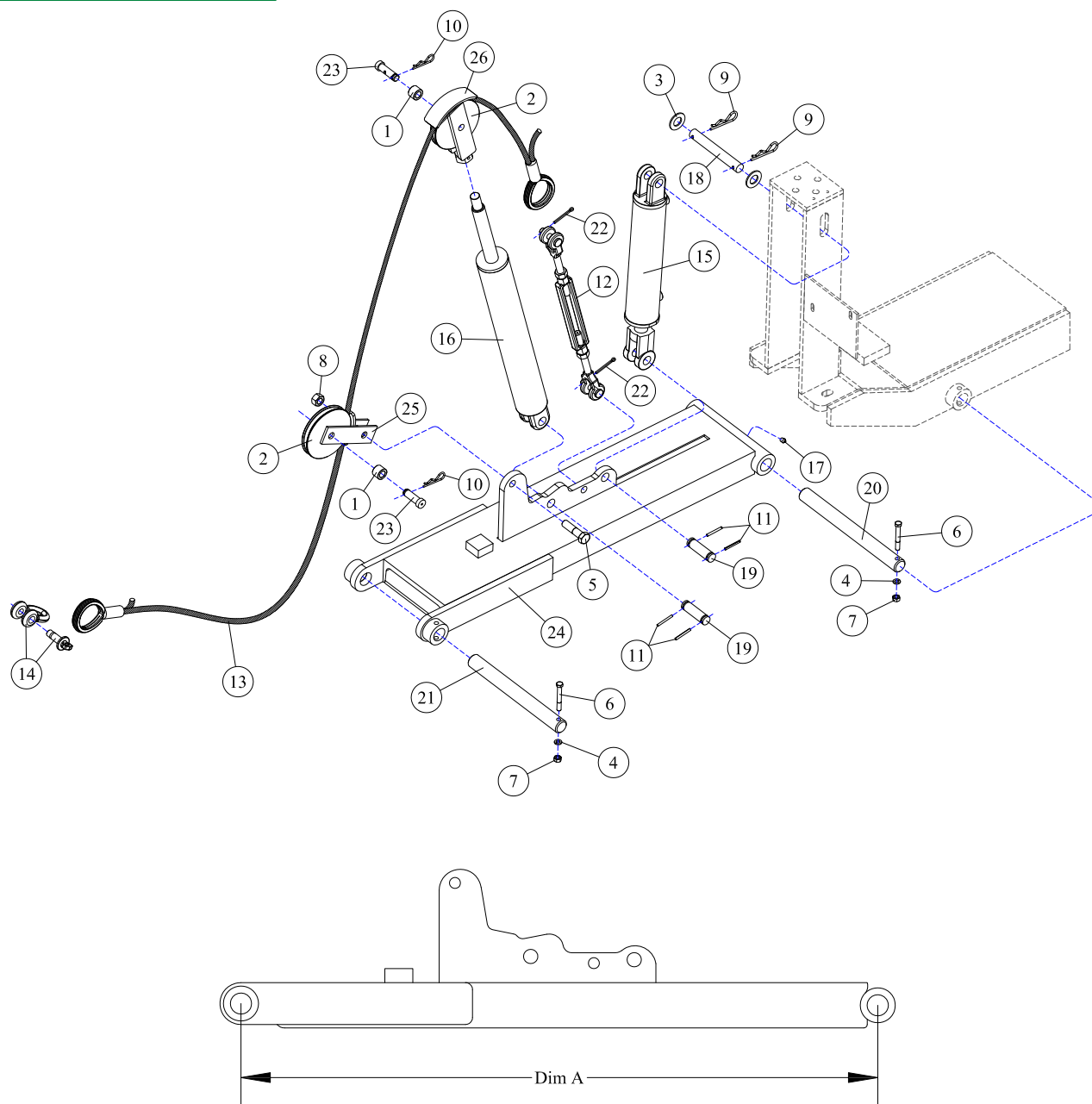
Note: Side chains not required on mower's left side when mounted on rear of mower.

Note: Use part # 45-0098 to order complete 60" chain guard.

REF#	PARTS DESCRIPTION	REQ	PART #
1	3/8 FLAT WASHER	14	11-0009
2	5/16 FLAT WASHER	18	11-0015
3	3/8 X 1-1/2 NC HEX CAP	6	11-0529
4	3/8 X 1-1/4 NC HEX CAP	17	11-0533
5	3/8 NC NYLOCK NUT	23	11-1024
6	GALVANIZED CABLE (SOLD PER FOOT)	11ft	12-0032
7	1/4" WIRE ROPE CLAMP	1	12-0033
8	5/16" ZINC CHAIN - 6 LINKS	14	12-0035
9	5/16" ZINC CHAIN - 7 LINKS	61	12-0036
10	CHAIN GUARD	1	41-0088

DRAFT BEAM ASSEMBLIES



DRAFT BEAM - CABLE LIFT

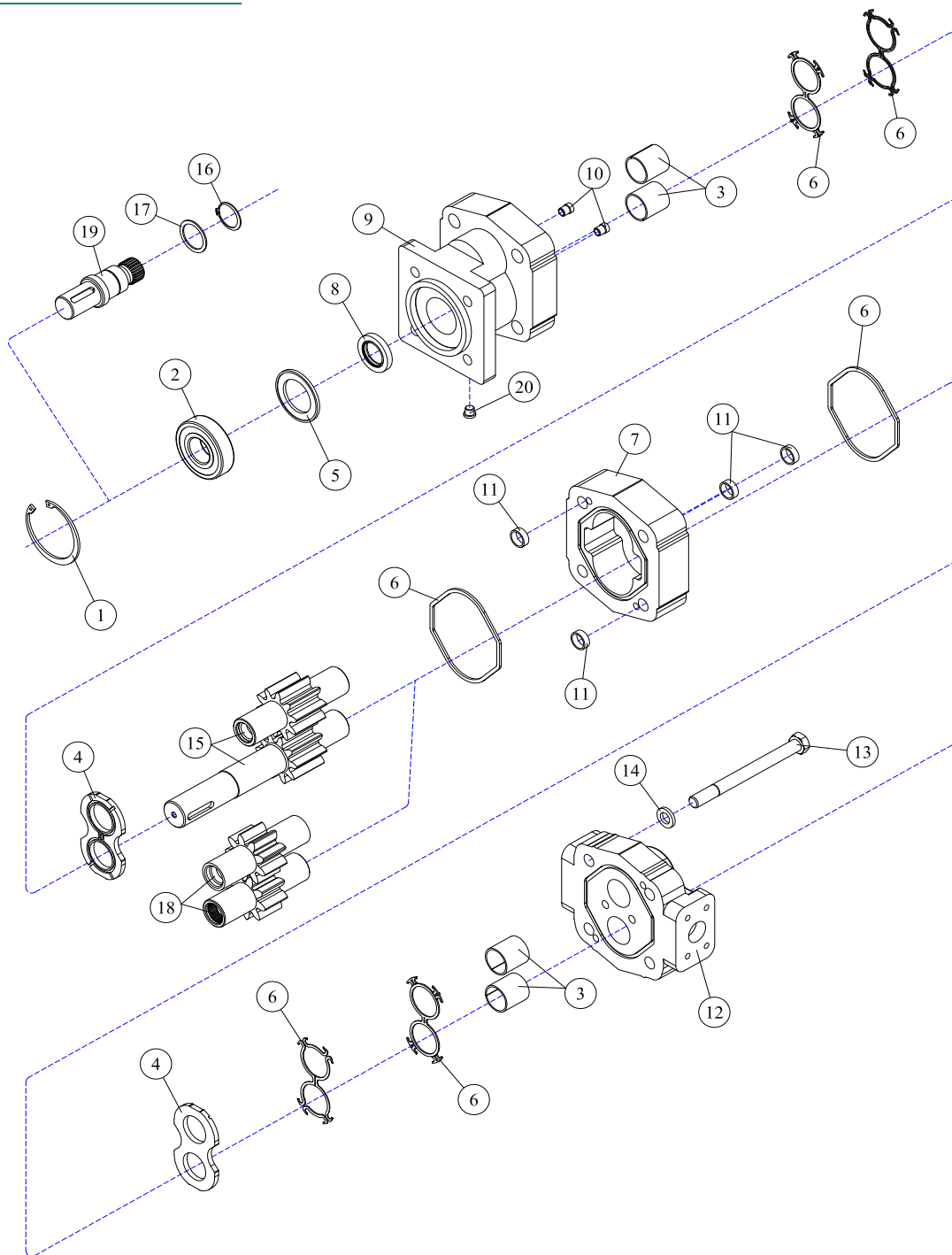
REF#	PARTS DESCRIPTION	REQ	PART #
1	BUSHING	2	10-1004
2	SHEAVE	2	10-1005
3	1 FLAT WASHER	2	11-0001
4	7/16 LOCK WASHER	2	11-0003
5	3/4 X 3 NC HEX CAPSCREW	1	11-0509
6	7/16 X 3-1/4 NC HEX CAPSCREW	2	11-0510
7	7/16 NC NYLOCK NUT	2	11-1003
8	3/4 NC NYLOCK NUT	1	11-1006
9	3/16 R-CLIP	2	11-2001
10	5/32 R-CLIP	2	11-2002
11	1/4 X 2 ROLL PIN	4	11-2005
12	TURN BUCKLE	1	12-0002
13	LIFT CABLE		
	STANDARD, DIM A = 45-3/8"		12-0003
	EXTENDED, DIM A = 51-3/8"		12-0012

REF#	PARTS DESCRIPTION	REQ	PART #
14	SHACKLE W/ PIN	1	12-0004
15	3 X 10 CYLINDER	1	14-0001
16	3 X 18 CYLINDER	1	14-0002
17	1/8 GREASE ZERK	1	23-0003
18	1 X 7 PIN	1	27-0003
19	CLEVIS PIN	2	27-0004
20	DRAFT BEAM/MAIN FRAME PIN	1	27-0502
21	DRAFT BEAM/DECK PIN	1	27-0503
22	3/16 COTTER PIN	2	27-1001
23	SHEAVE PIN	2	27-1003
24	DRAFT BEAM		
	STANDARD, DIM A = 45-3/8"		41-0012
	EXTENDED, DIM A = 51-3/8"		41-0090
25	LOWER SHEAVE BRACKET	1	41-0013
26	UPPER SHEAVE BRACKET	1	41-0014

DECK ASSEMBLIES

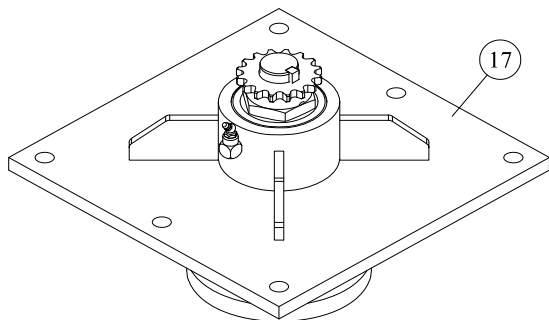


30-0507 - MOTOR ASSEMBLY



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	M365 SEAL KIT	Avail	30-1021
7	2-1/4" M365 GEAR HOUSING	1	30-1026
8	SHAFT SEAL		
	150 PSI (included in M365 seal kit)	1	30-1210
	500 PSI	1	30-1156
9	SHAFT END COVER	1	30-1086
10	CHECK ASSEMBLY	2	30-1087
11	ALIGNMENT BUSHING	4	30-1090

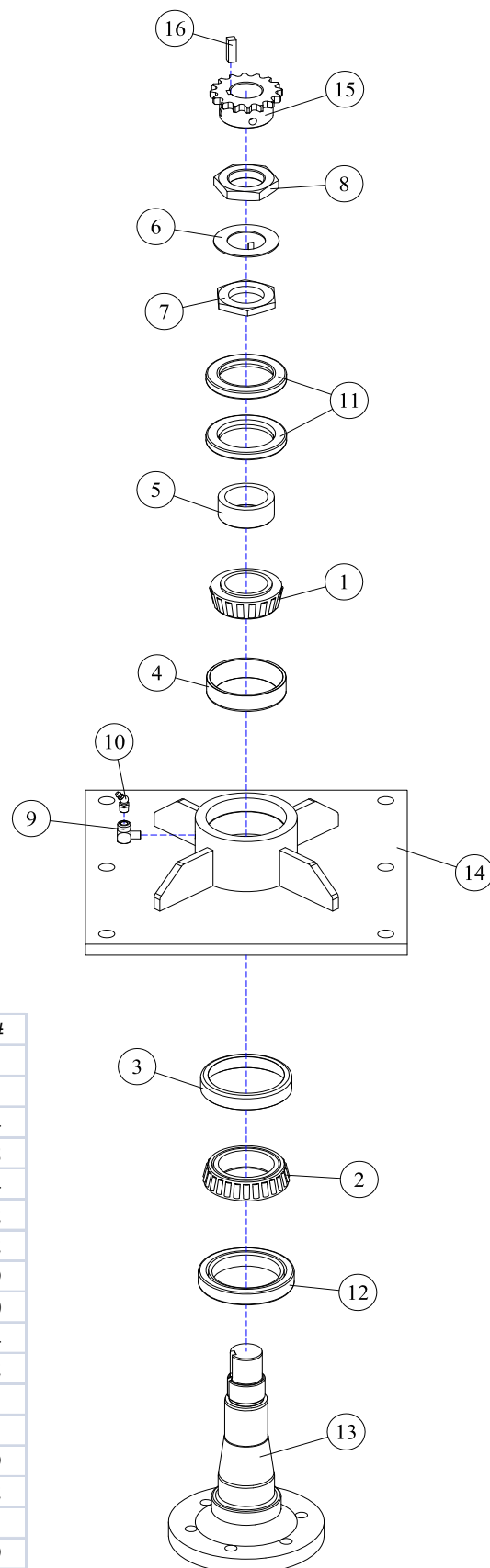
REF#	PARTS DESCRIPTION	REQ	PART #
12	PORT END COVER	1	30-1091
13	STUD	4	Call
14	WASHER	4	30-1093
	<u>GEAR SET OPTION A:</u>		
15	2-1/4" GEAR SET	1	30-1158
	<u>GEAR SET OPTION B:</u>		
16	RETAINING RING	1	30-1019
17	WASHER	1	30-1020
18	2-1/4" GEAR SET	1	30-1025
19	CONTINENTAL SHAFT, KEYED	1	30-1018
20	PLUG	1	30-1096
*	SEAL APPLICATOR TOOL (not shown)	Avail	30-1048

35-0010 - INDIRECT DRIVE SPINDLE

* Complete spindle assemblies also available.
Diamond Part #35-0010

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

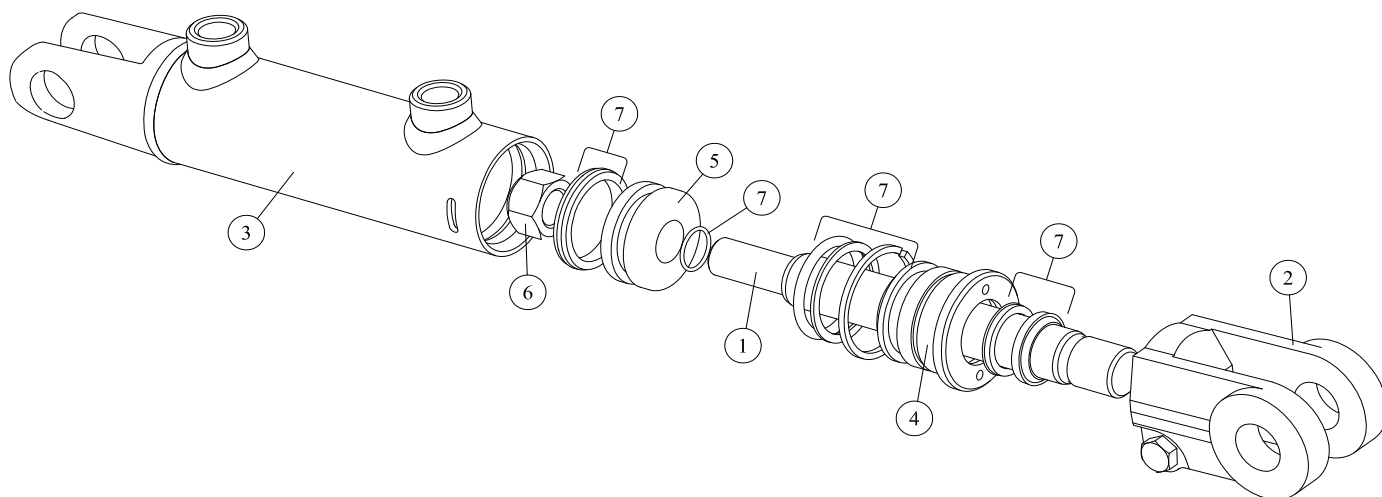
***Complete spindle repair kits available.
These kits include 10-0003, 10-0004, 10-0008, 10-0014, 10-1002, 11-0002, 11-1009, 11-1010, 33-0001, 33-0003 & 37-0009. These can be purchased using part #44-0001



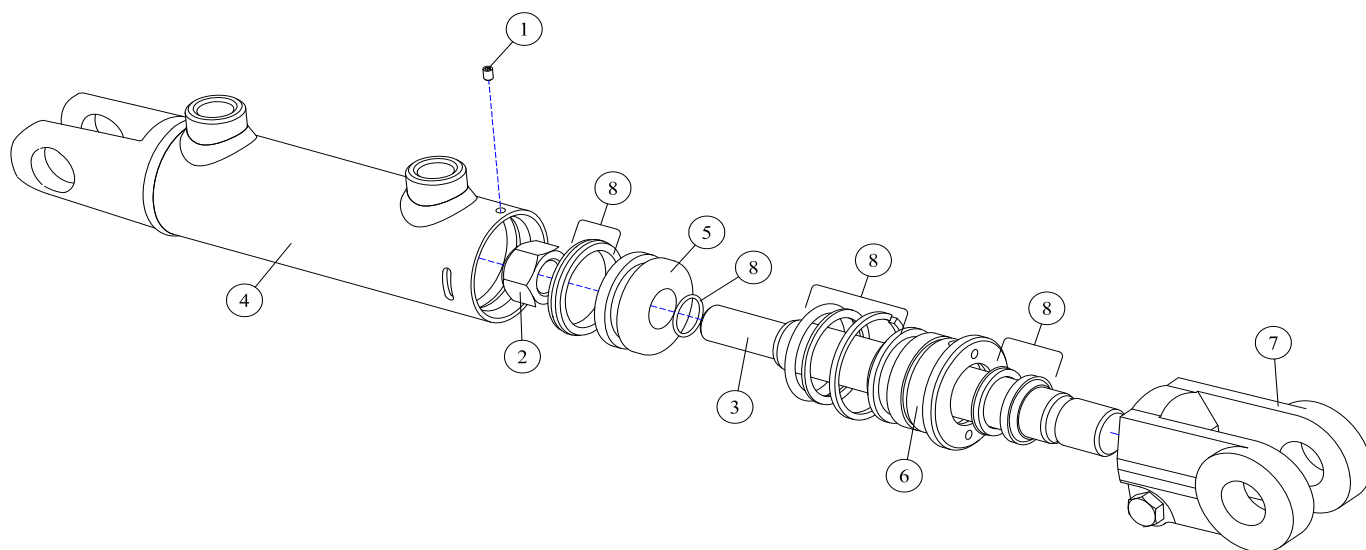
REF#	PARTS DESCRIPTION	REQ	PART #
1	BEARING CONE	1	10-0003
2	BEARING CONE	1	10-0004
3	BEARING CUP	1	10-0008
4	BEARING CUP	1	10-0014
5	BEARING ADJUSTMENT SLEEVE	1	10-1002
6	JAM WASHER	1	11-0002
7	ADJUSTMENT BEARING NUT	1	11-1009
8	ADJUSTMENT BEARING NUT	1	11-1010
9	1/8 X 90DEG ELBOW	1	21-1104
10	1/8" X 45 GREASE ZERK	1	23-0002
11	UPPER SEAL SET	1	33-0001
12	LOWER SEAL	1	33-0003
13	SPINDLE	1	35-0009
14	SPINDLE HOUSING	1	35-0012
15	SPROCKET	1	37-0003
16	SPINDLE KEY	1	37-0009
17*	SPINDLE ASSY COMPLETE	Avail	35-0010
18**	DIAMOND SPINDLE GREASE	Avail	23-0001
19***	SPINDLE REPAIR KIT	Avail	44-0001

LIFT ASSEMBLIES



14-0001 - 3X10 WELDED CYLINDER

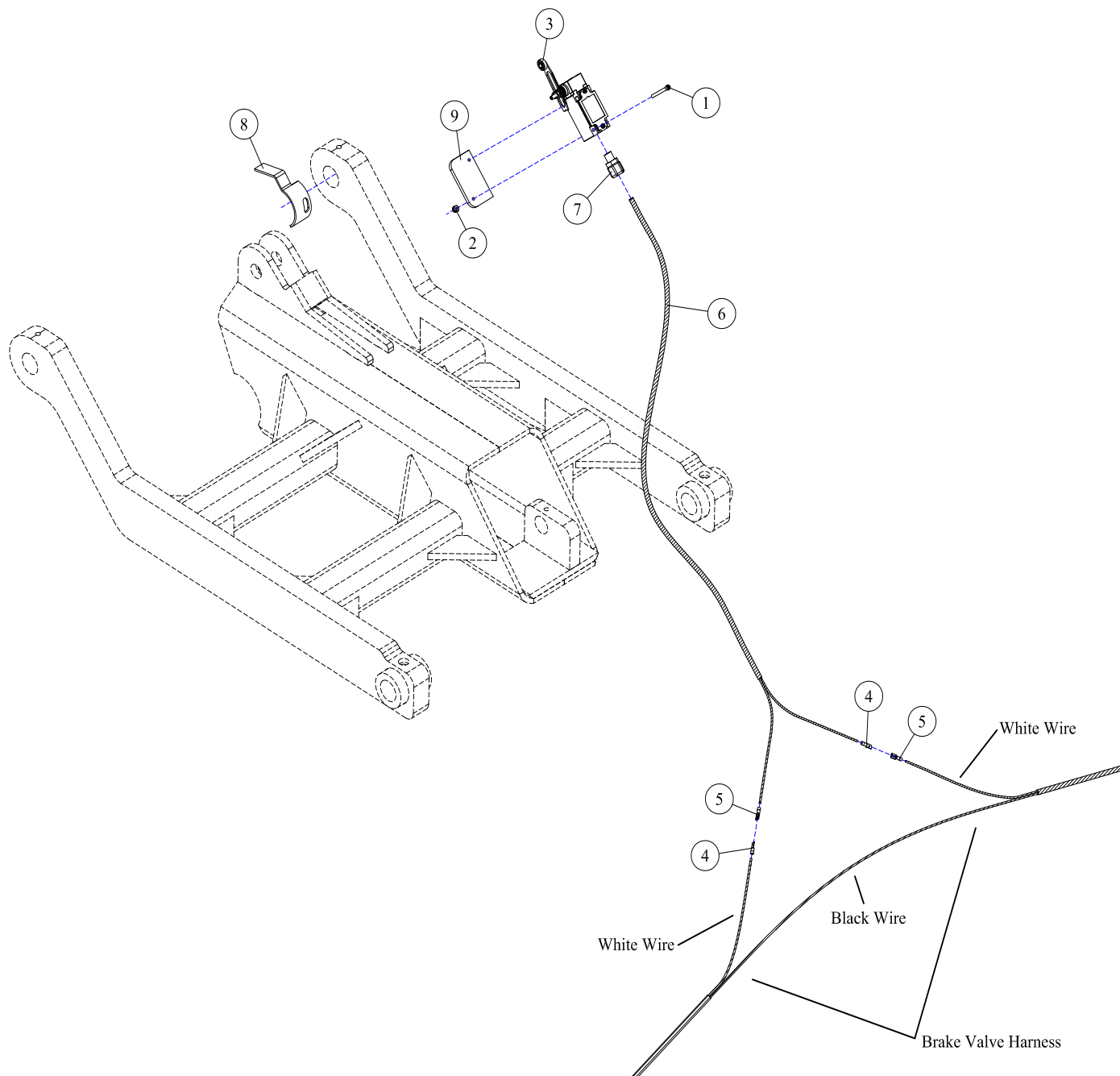
REF#	PARTS DESCRIPTION	REQ	PART #
1	PISTON ROD	1	14-1130
2	CLEVIS ASSEMBLY	1	14-1160
3	BUTT & TUBE ASSEMBLY	1	14-1140
4	GLAND	1	14-1155
5	PISTON	1	14-1150
6	LOCKNUT	1	14-1120
7	SEAL KIT	1	33-0038

14-0002 - 3X18 WELDED CYLINDER

REF#	PARTS DESCRIPTION	REQ	PART #
1	1/4-20 UNC-3/8 SETSCREW	1	11-2014
2	LOCKNUT	1	14-1120
3	PISTON ROD	1	14-1132
4	BUTT & TUBE ASSEMBLY	1	14-1142
5	PISTON	1	14-1150
6	GLAND	1	14-1155
7	CLEVIS ASSEMBLY	1	14-1160
8	SEAL KIT	1	33-0038

ELECTRICAL ASSEMBLIES



LIMIT SWITCH - DRAFT BEAM HEIGHT LIMITER

REF#	PARTS DESCRIPTION	REQ	PART #
1	#10 - 24 X 2 SHCS	2	11-0786
2	#10 - 24 NYLOCK NUT	2	11-1051
3	LIMIT SWITCH	1	16-0016
4	14-16GA MALE PUSH-ON CONNECTOR	2	16-0040
5	14-16GA FEMALE PUSH-ON CONNECTOR	2	16-0041
6	14/2 PRIMARY WIRE	Avail/ft	16-0042
7	3/8 CONDUIT STRAIN RELIEF	1	16-0043
8	<u>CAM TILT BRACKET</u>		
	LEFT	1	24-0039
	RIGHT	1	24-0040
9	LIMIT SWITCH PLATE	1	31-0023

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**72-HOUR PARTS
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