



PARTS BOOK

ROTARY HEADS

• 60" • BOOM MOUNT • SERIAL #XXXXX+ •

DIAMOND MOWERS, LLC
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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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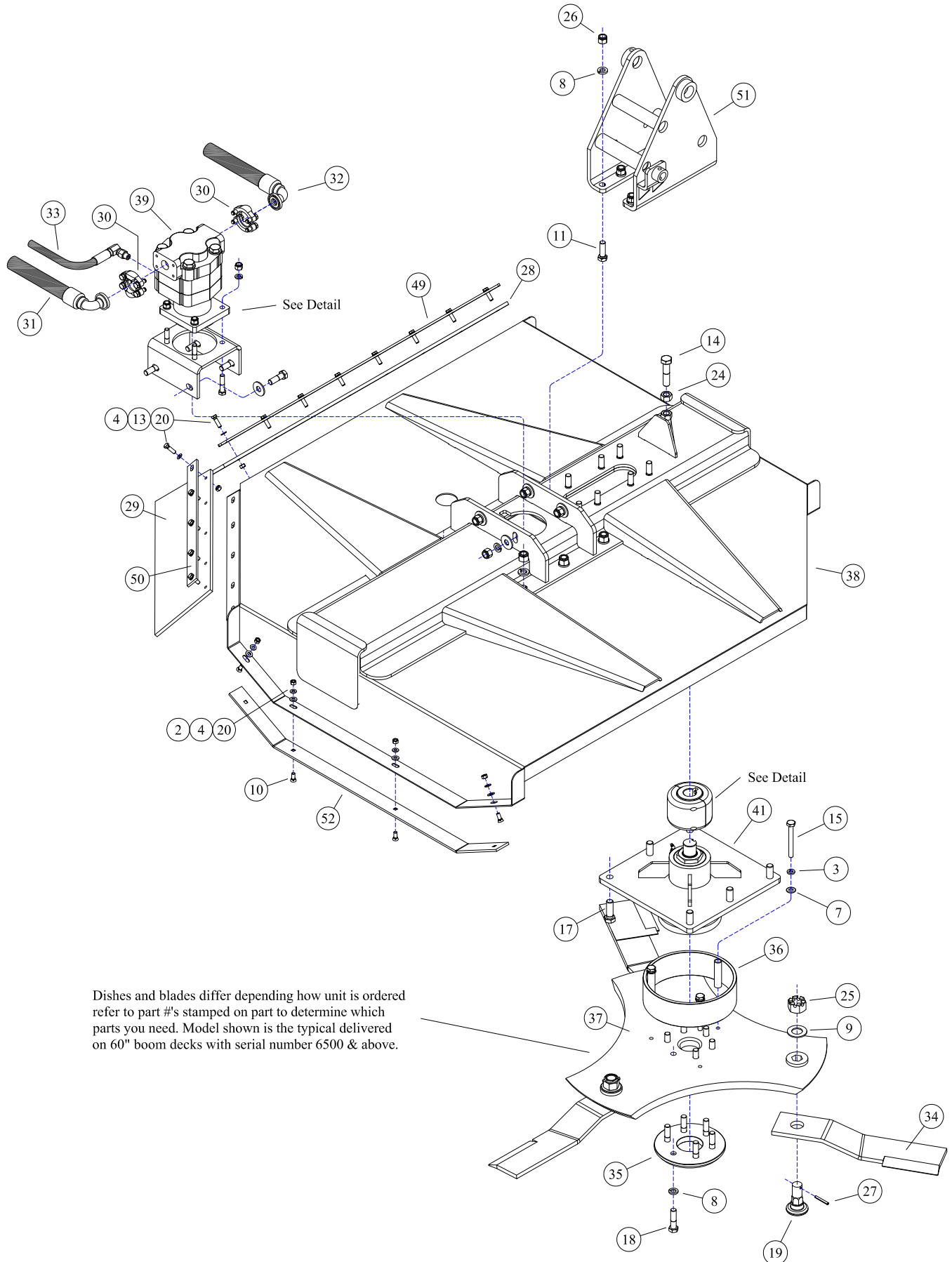


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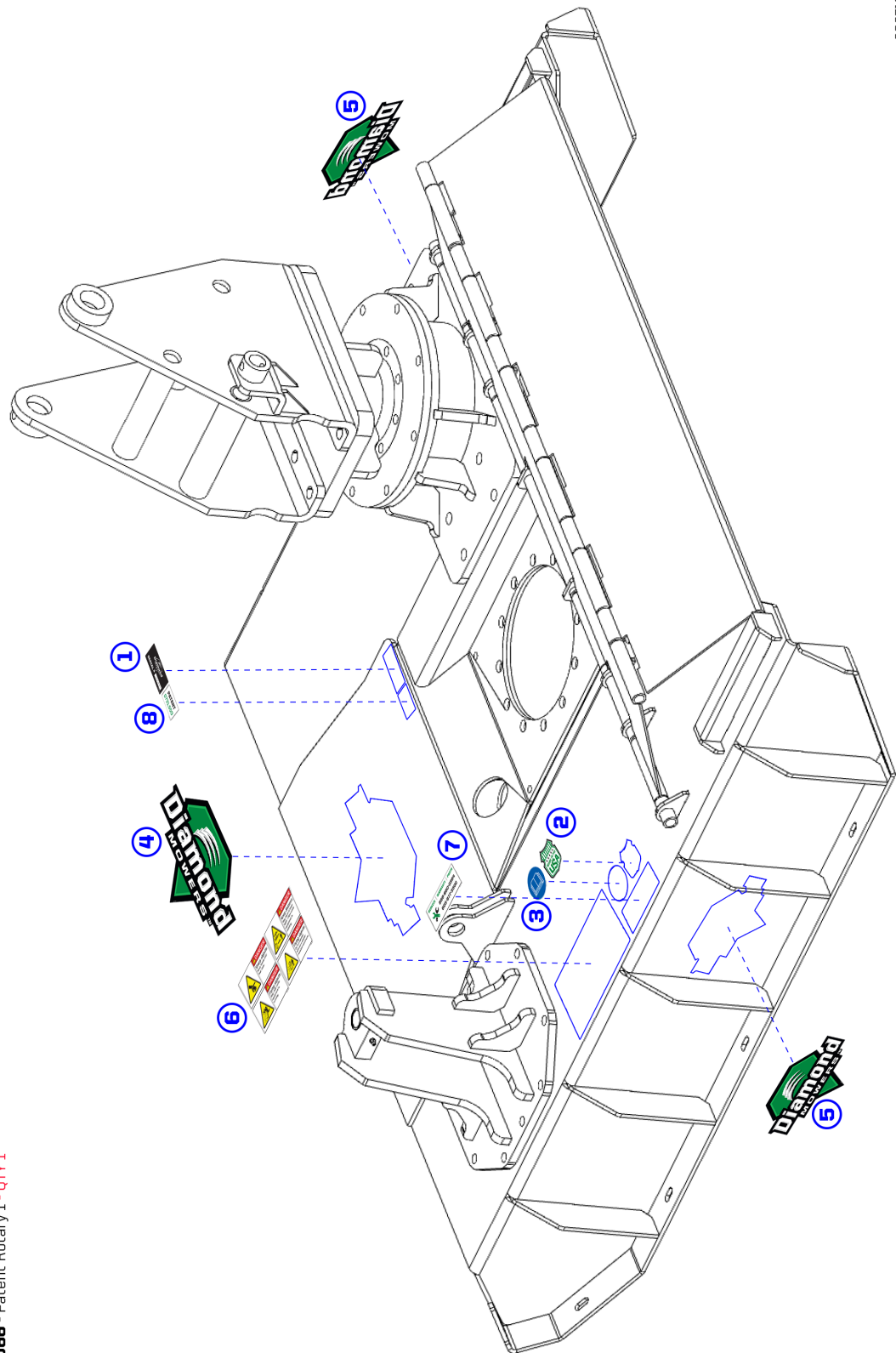
ROTARY HEADS



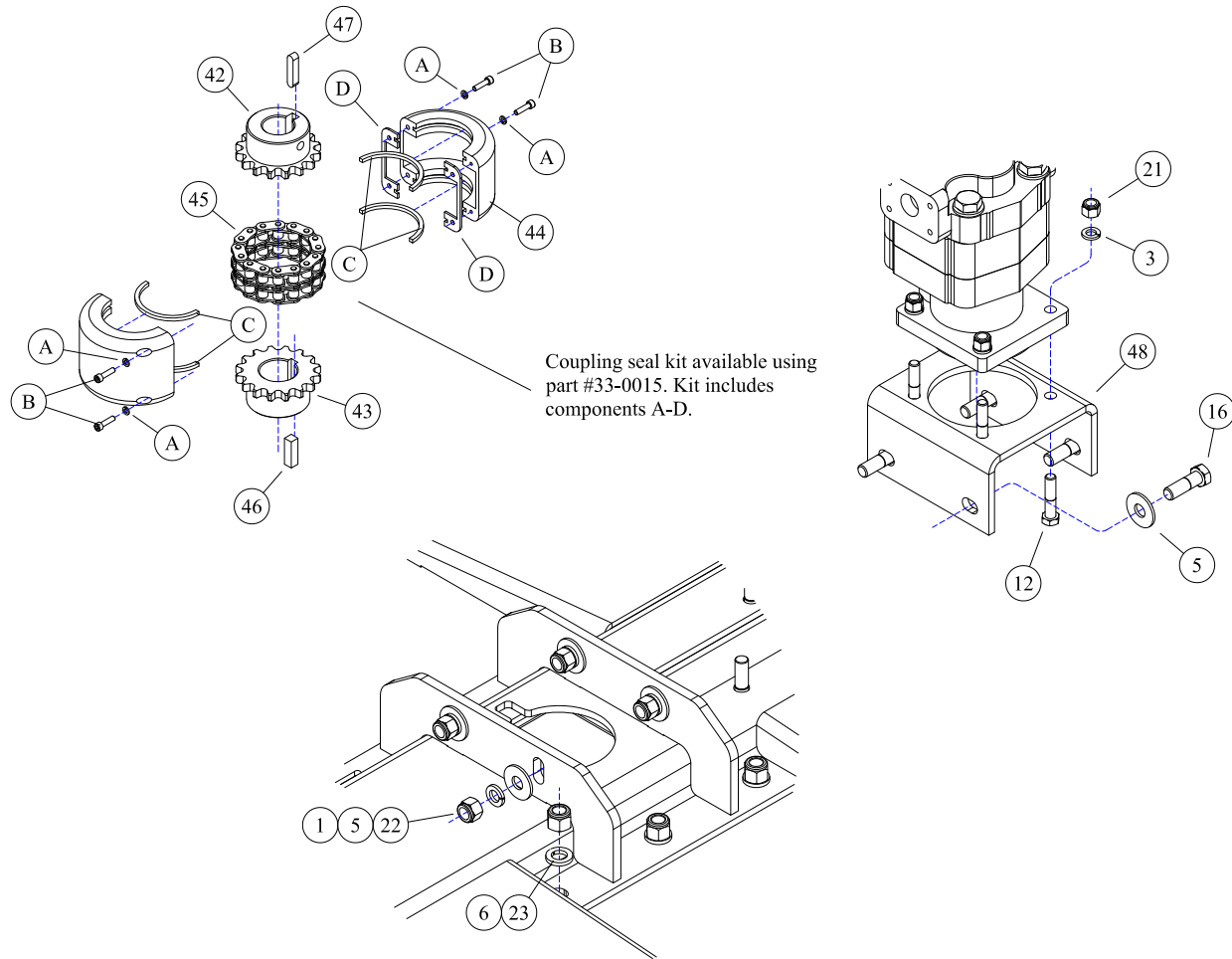
BOOM ROTARY HEAD - 60" INDIRECT DRIVE

ROTARY HEAD - 60" DECK, DECAL IDENTIFICATION

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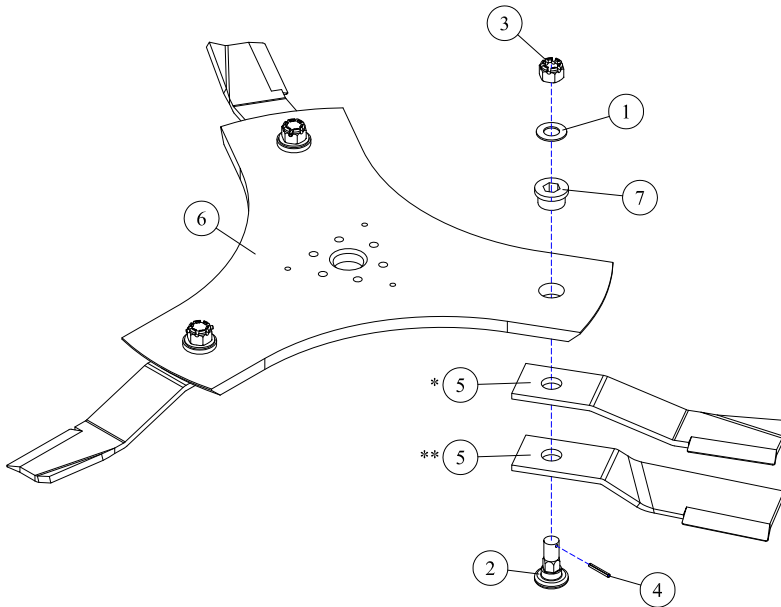


- 1** SERIAL NUMBER LABEL - (not included in kit) - QTY 1
- 2** PART #15-0055 - Made In USA - QTY 1
- 3** PART #15-0058 - Read Manual - QTY 1
- 4** PART #15-0053 - Diamond Mowers Logo 13" - QTY 1
- 5** PART #15-0050 - Diamond Mowers Logo 7" - QTY 2
- 6** PART #15-0057 - Decal Group Horizontal - QTY 1
- 7** PART #15-1016 - Warranty - QTY 1
- 8** PART #15-0066 - Patent Rotary 1 - QTY 1

BOOM ROTARY HEAD - 60" INDIRECT DRIVE

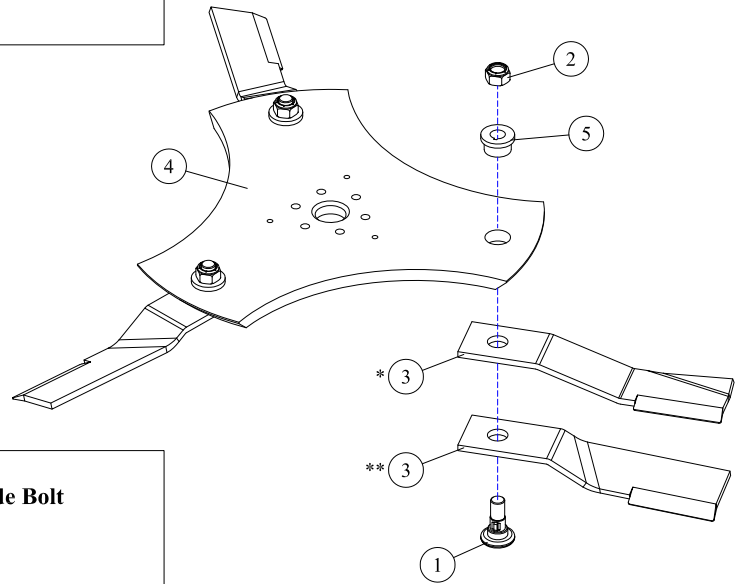
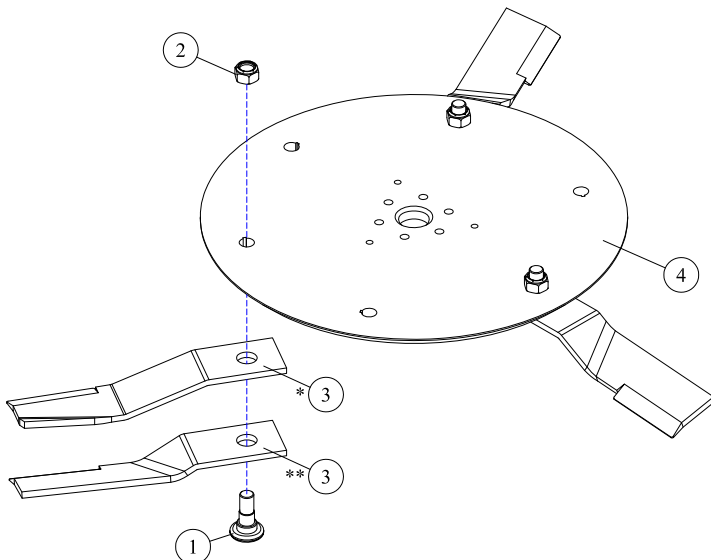
REF#	PARTS DESCRIPTION	REQ	PART #
1	5/8 LOCK WASHER	4	11-0004
2	3/8 LOCK WASHER	8	11-0005
3	1/2 LOCK WASHER	7	11-0011
4	5/16 FLAT WASHER	21	11-0015
5	5/8 FLAT WASHER	8	11-0025
6	3/4 H.S. LOCK WASHER	6	11-0040
7	1/2 H.S. FLAT WASHER	3	11-0042
8	5/8 H.S. LOCK WASHER	14	11-0043
9	1-1/8 SAE H.S. FLAT WASHER	3	11-0057
10	3/8 X 1-1/4 PLOW BOLT	8	11-0804
11	5/8 X 2-1/2 H.S. NF HEX CAPSCREW	8	11-0525
12	1/2 X 2-1/4 NC HEX CAPSCREW	4	11-0531
13	3/8 X 1-1/4 NC HEX CAPSCREW	13	11-0533
14	3/4 X 2-3/4 NC HEX CAPSCREW	1	11-0544
15	1/2 X 4-1/2 NC HEX CAPSCREW	3	11-0553
16	5/8 X 2-1/4 NC HEX CAPSCREW	4	11-0631
17	3/4 X 2-1/4 H.S. NF HEX CAPSCREW	6	11-0658
18	5/8 X 2-1/4 H.S. NF HEX CAPSCREW	6	11-0691
19	BLADE BOLT - HEX BASE	3	11-0759
20	3/8 NC HEX NUT	21	11-1001
21	1/2 NC NYLOCK NUT	4	11-1018
22	5/8 NC NYLOCK NUT	4	11-1025
23	3/4 NF H.S. STOVER NUT	6	11-1032
24	3/4 NC HEX NUT	1	11-1033
25	1-1/8 H.S. NF SLOTTED HEX NUT	3	11-1050
26	5/8 H.S. NF STOVER NUT	8	11-1143

REF#	PARTS DESCRIPTION	REQ	PART #
27	1/4 X 2 ROLLPIN	3	11-2005
28	FLAP, LARGE	1	18-0016
29	FLAP, SMALL	1	18-0017
30	#20 FLANGE KIT	2	21-2105
31	HOSE 1 X 65 (1FJIC X #20FLG-90DEG)	1	21-2516
32	HOSE 1 X 57 (1FJIC X #20FLG-90DEG)	1	21-2517
33	HOSE 1/4 X 62 (1/4MORB-90DEG X 5/16FJIC)	1	21-2498
34	BRUSH BLADE - 5/8"	3	22-0006
35	BOLT PROTECTOR	1	24-0004
36	SEAL PROTECTOR	1	24-0007
37	60" TRI-HEX DISH, BRUSH KNIVES	1	24-0145
38	DECK SHELL	1	25-0008
39	MOTOR 365" 2-1/4" GEARS, KEYED SHAFT	1	30-0507
40	MAST SPACER	1	34-0062
41	SPINDLE ASSEMBLY	1	35-0010
42	SPROCKET, MOTOR	1	37-0001
43	SPROCKET, SPINDLE	1	37-0003
44	COUPLING COVER W/ SEAL KIT	1	37-0004
45	CHAIN COUPLING	1	37-0006
46	SPINDLE KEY	1	37-0009
47	MOTOR KEY	1	37-0010
48	MOTOR BRACKET	1	41-0015
49	FLAP BAR, LARGE	1	41-0065
50	FLAP BAR, SMALL	1	41-0066
51	MAST	1	41-0195
52	SKID SHOE	2	42-0011

BOOM 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

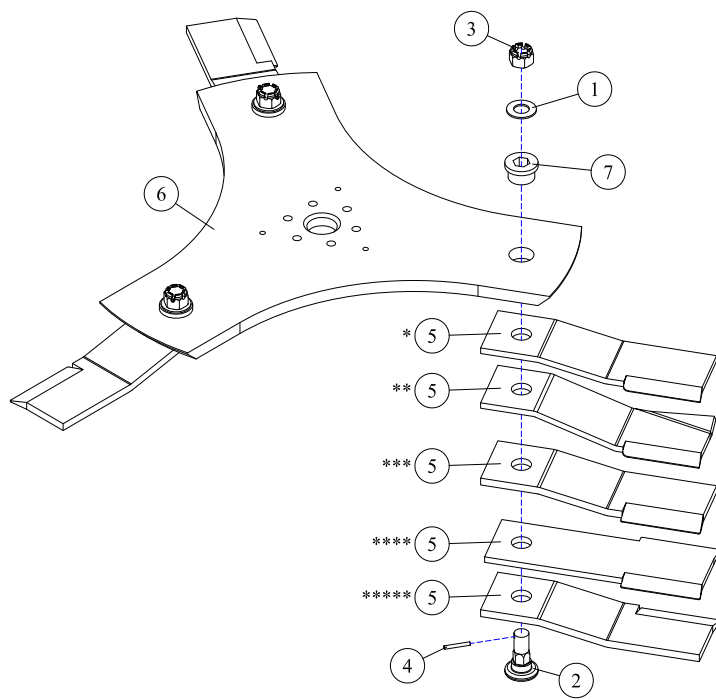
REF#	PARTS DESCRIPTION	REQ	PART #
1	BLADE MOUNTING BOLT	3	11-0503
2	BLADE MOUNTING NUT	3	11-1008
3	KNIFE		
*	1/2" GRASS BLADE	3	22-0002
**	1/2" GRASS BLADE (HIGH SUCTION)	3	22-0004
4	BLADE DISH	1	24-0076
5	REPLACEABLE INSERT	Avail	90-7007

(24-0076) Tri-Blade Dish with 1 1/8" Keyed Blade Bolt**(24-0001) Round Blade Dish with 1 1/8" Keyed Blade Bolt**

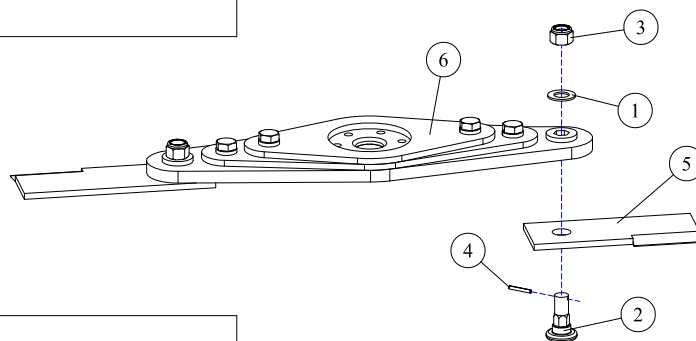
REF#	PARTS DESCRIPTION	REQ	PART #
1	BLADE MOUNTING BOLT	3	11-0503
2	BLADE MOUNTING NUT	3	11-1008
3	KNIFE		
*	1/2" GRASS BLADE	3	22-0002
**	1/2" GRASS BLADE (HIGH SUCTION)	3	22-0004
4	BLADE DISH	1	24-0001

BOOM ROTARY HEAD - 60" BLADE CONFIGURATIONS

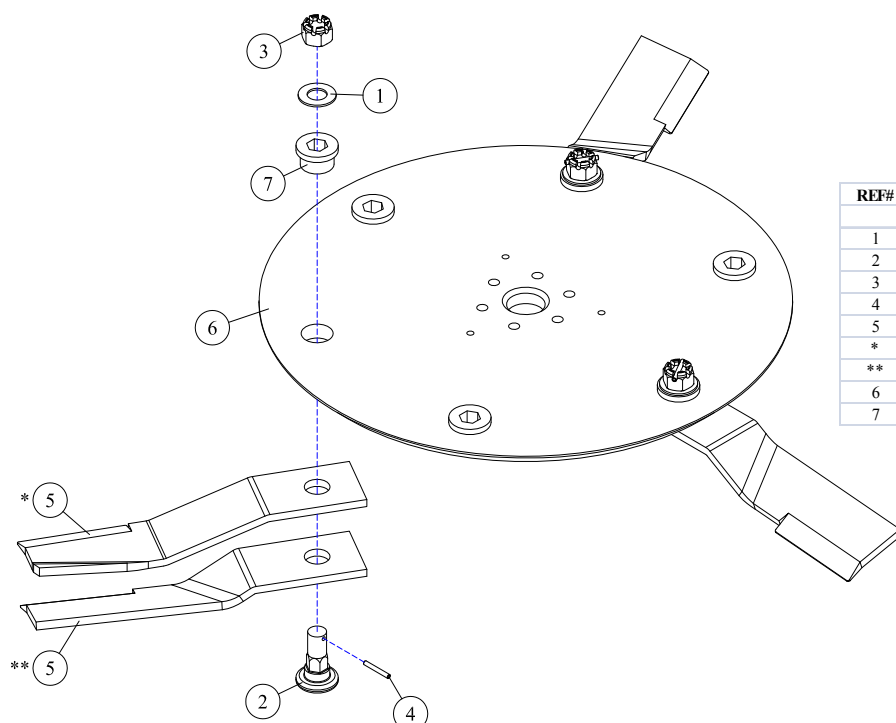
(24-0145) Tri-Hex Blade Dish with Hex Blade Bolt



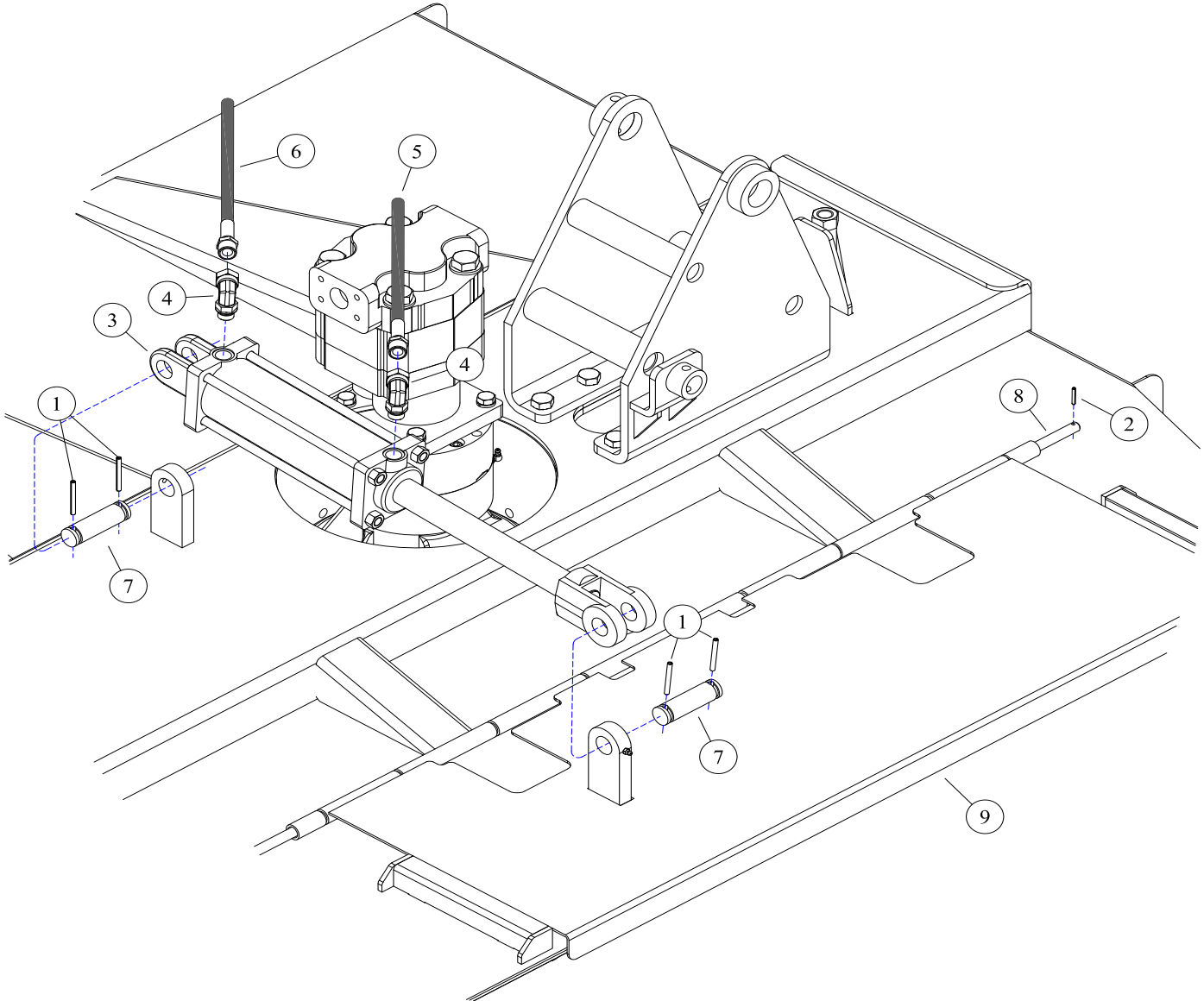
REF#	PARTS DESCRIPTION	REQ	PART #
1	1-1/8 H.S. FLAT WASHER	3	11-0057
2	BLADE MOUNTING BOLT	3	11-0759
3	BLADE MOUNTING NUT	3	11-1050
4	ROLLPIN	3	11-2005
5	KNIFE		
*	50" BRUSH KNIFE - 1/2"	3	22-0003
**	50" GRASS KNIFE, HIGH SUCTION - 1/2"	3	22-0005
***	50" BRUSH BLADE - 5/8"	3	22-0006
****	50" BI-DIRECTIONAL 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

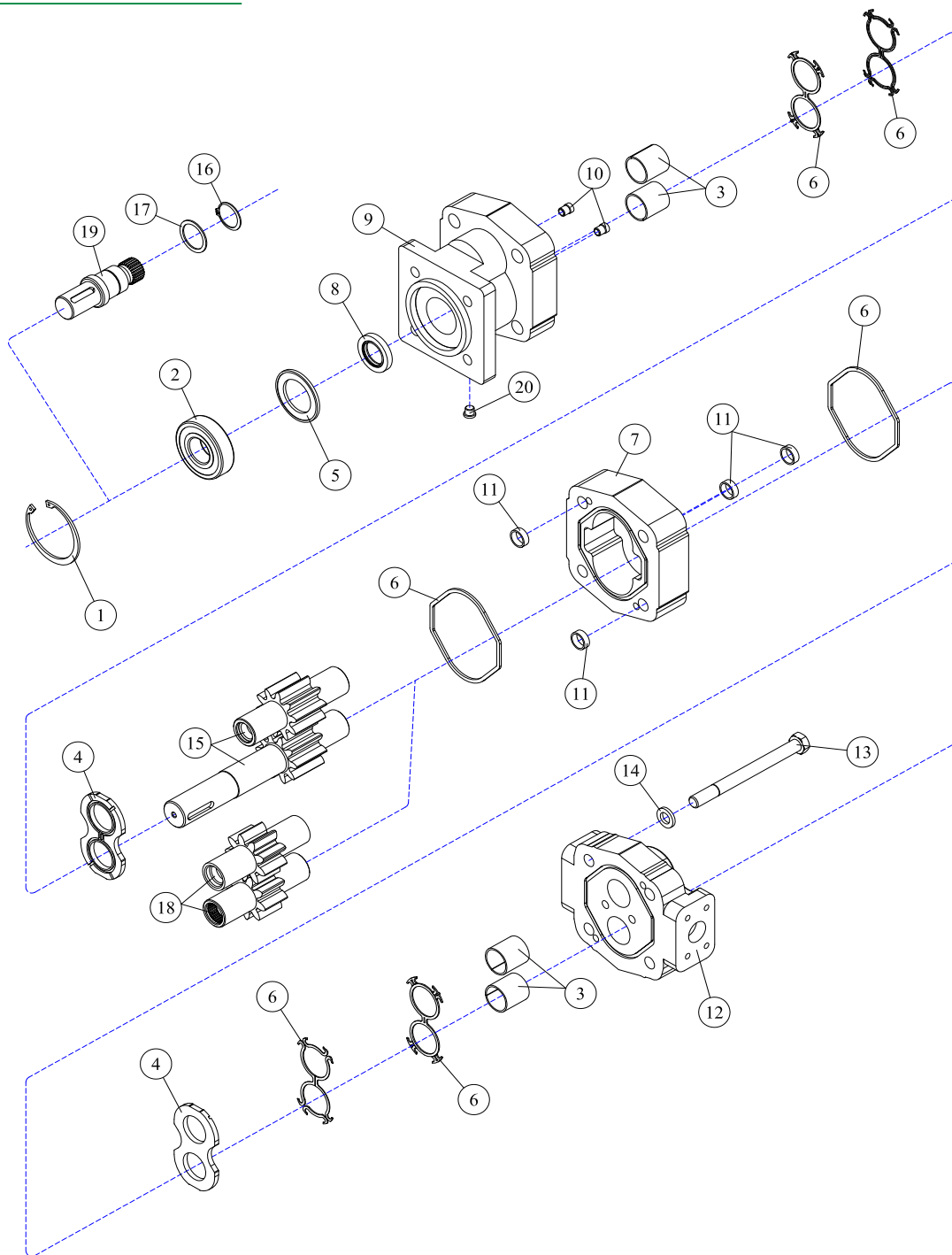
REF#	PARTS DESCRIPTION	REQ	PART #
1	1-1/8 H.S. FLAT WASHER	3	11-0057
2	BLADE MOUNTING BOLT	3	11-0759
3	BLADE MOUNTING NUT	3	11-1050
4	ROLLPIN	3	11-2005
5	KNIFE		
*	1/2" GRASS BLADE	3	22-0002
**	1/2" GRASS BLADE (HIGH SUCTION)	3	22-0004
6	60" ROUND DISH, 2-3 BLADE	1	24-0217
7	REPLACEABLE HEX INSERT	Avail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

HYDRAULIC TRAPDOOR (OPTIONAL) - BOOM ROTARY HEADS 60"

REF#	PARTS DESCRIPTION	REQ	PART #
1	1/4 X 2 ROLL PIN	4	11-2005
2	5/32 X 1 ROLL PIN	2	11-2054
3	2 X 8 CYLINDER	1	14-0010
4	1/2ADJ-OR X 1/2FPX-90DEG, FITTING	2	21-1119
5	HOSE 1/4 X 77 (1/2MP X 5/16MJIC)	1	21-2307
6	HOSE 1/4 X 66 (1/2MP X 5/16MJIC)	1	21-2405
7	CLEVIS PIN, 1 X 3-1/2	2	27-0004
8	TRAP DOOR ROD, REAR	1	41-0009
9	HYDRAULIC SHIELD	1	41-0222

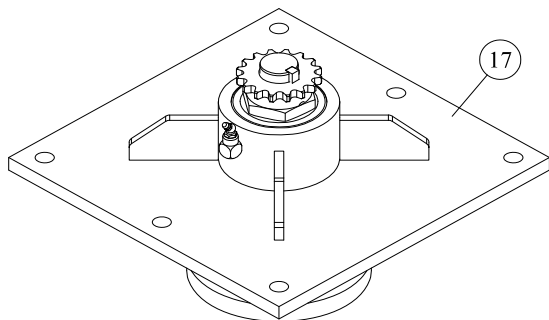
DECK ASSEMBLIES



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

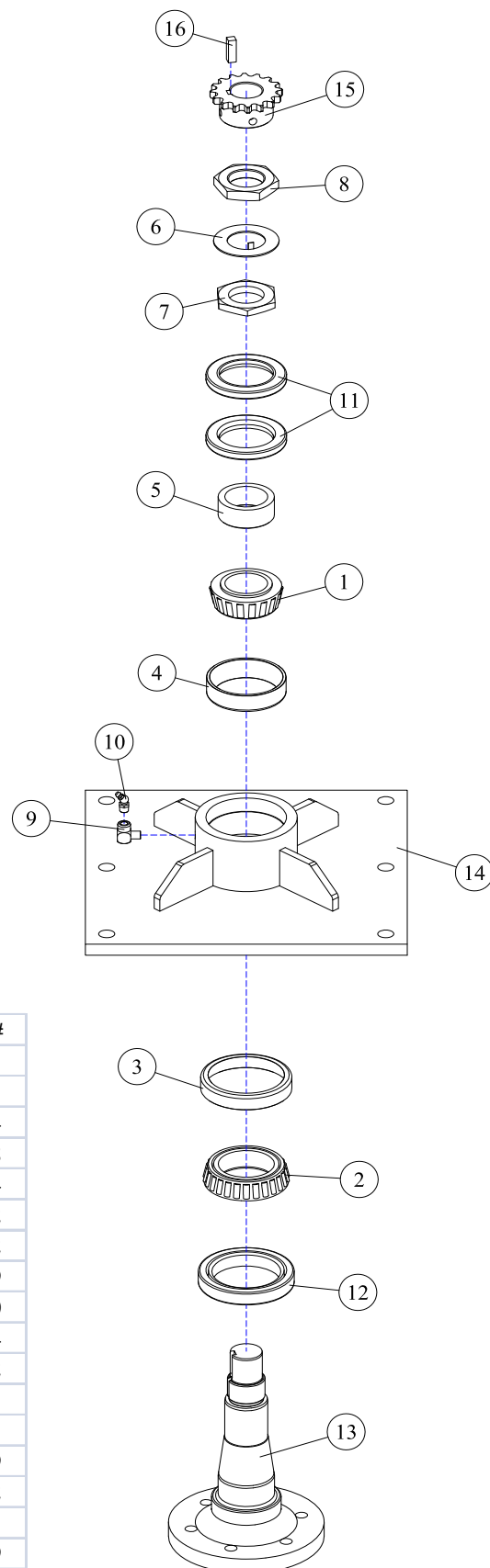
REF#	PARTS DESCRIPTION	REQ	PART #
12	PORT END COVER	1	30-1091
13	STUD	4	Call
14	WASHER	4	30-1093
	GEAR SET OPTION A:		
15	2-1/4" GEAR SET	1	30-1158
	GEAR SET OPTION B:		
16	RETAINING RING	1	30-1019
17	WASHER	1	30-1020
18	2-1/4" GEAR SET	1	30-1025
19	CONTINENTAL SHAFT, KEYED	1	30-1018
20	PLUG	1	30-1096
*	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



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