



PARTS BOOK

FORESTRY HEADS

• 60" CUT • EXCAVATOR MOUNT •

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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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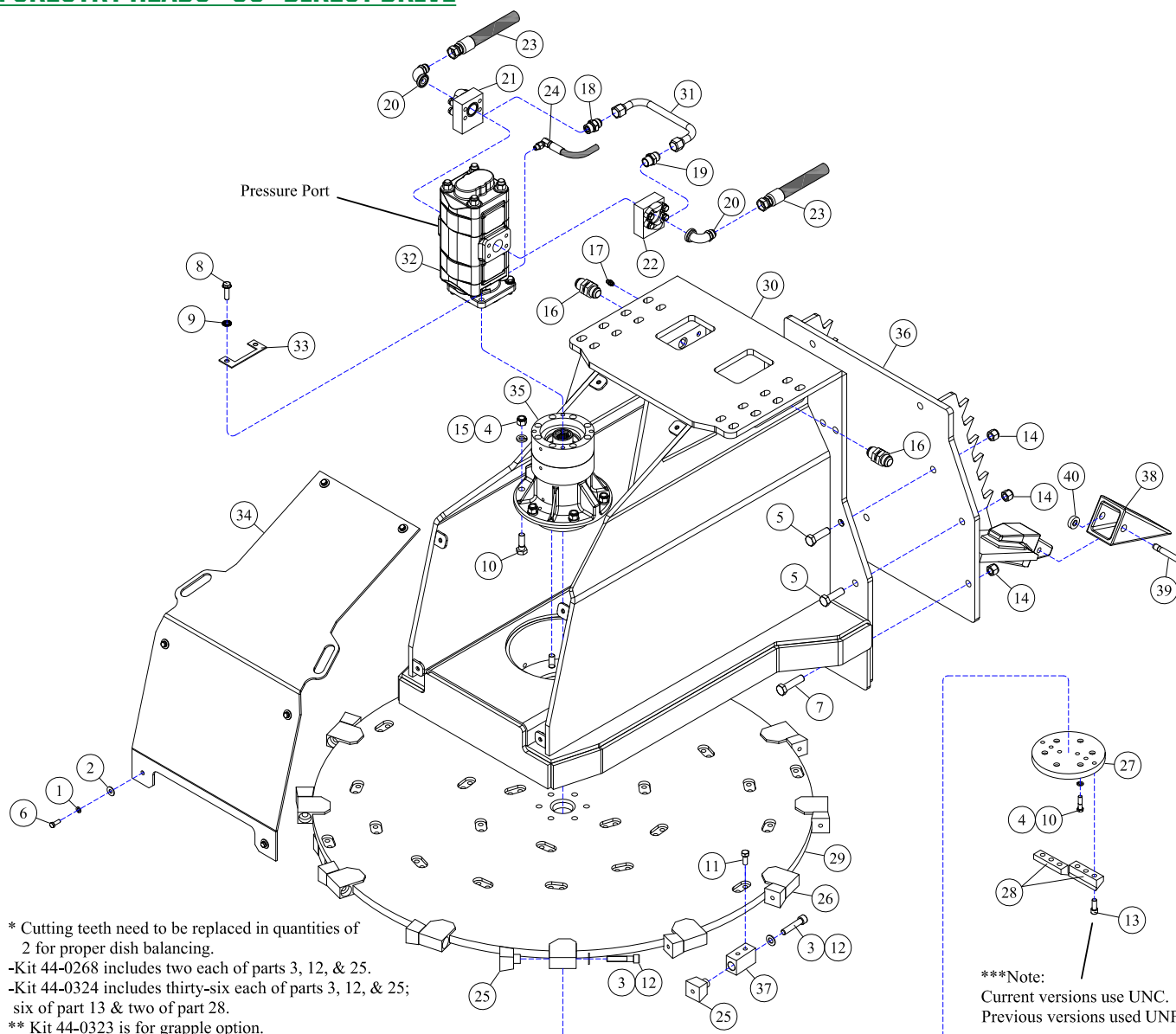
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FORESTRY HEADS



FORESTRY HEADS - 60" DIRECT DRIVE



REF#	PARTS DESCRIPTION	REQ	PART #
1	3/8 LOCK WASHER GR 5 CLEAR	6	11-0005
2	3/8 FLAT WASHER GR 5 CLEAR	6	11-0009
3	1/2 SAE FLAT WASHER GR 8 YELLOW	36	11-0042
4	5/8 LOCK WASHER GR 8 YELLOW	12	11-0043
5	3/4 X 3-1/2 H.S. NC HEX CAP	5	11-0792
6	3/8 X 1-1/4 NC HEX CAP	6	11-0533
7	3/4 X 3 H.S. NC HEX CAPSCREW	4	11-0900
8	1/2 X 1-3/4 H.S. NF FLANGE HEX CAP GR8	4	11-0941
9	1/2 WIDE NORDLOCK LOCK WASHERS	4	11-0942
10	5/8 X 2-1/4 H.S. NF HEX CAP	12	11-0691
11	1/2 X 1 NF HEX CAP GR 5	48	11-0639
12	1/2 X 3 NF SHCS	36	11-0929
13	***PLANER BOLTS		
	1/2 X 1-1/4 NC SHCS (current version)	6	11-0965
	1/2 X 1-1/4 NF SHCS (previous version)	6	11-0934
14	3/4 H.S. NC STOVER NUT	9	11-1038
15	5/8 H.S. NF STOVER NUT	6	11-1143
16	1" MJIC X 1" MJIC BULKHEAD ADAPTER	2	21-1283
17	5/16" JIC BULKHEAD ADAPTER	1	21-1305
18	CHECK VALVE	1	21-1474
19	3/4 MORB X 3/4 MJIC, ADAPTER	1	21-1475

REF#	PARTS DESCRIPTION	REQ	PART #
20	#20FLG X 1MJIC 90DEG SWEEP	2	21-1529
21	CROSS OVER MANIFOLD KIT	1	21-2180
22	TEE MANIFOLD KIT	1	21-2181
23	HOSE 1 X 35 (1FJIC X 1FJIC-90DEG)	2	21-3920
24	HOSE 1/4 X 47 (1/4MORB-90DEG X 5/16FJIC)	1	21-4208
25	*STEEL CUTTING TOOTH	36	22-0019
26	TOOTH HOLDER	12	P24-0186-12
27	FBC, BOLT PROTECTOR	1	24-0191
28	FBC, CENTER PLANER	2	24-0192
29	60" FORESTRY BRUSH CUTTER COMPLETE	1	24-0202
30	60" FORESTRY BRUSH CUTTER DECK	1	25-0185
31	RUN-AROUND TUBE	1	28-0051
32	TANDEM GEAR MOTOR 400 SERIES	1	30-0536
33	LOCKING TAB	2	31-0393
34	60" FORESTRY BRUSH CUTTER COVER	1	31-0415
35	SPINDLE ASSEMBLY - SPLINE	1	35-0088
36	**FBC, GRAPPLE ADAPTER	1	49-0073
37	TOOTH HOLDER	24	90-7034
38	BUCKET TOOTH	3	3000-21
39	PIN	3	3000-22
40	RETAINER WASHER	3	3000-23

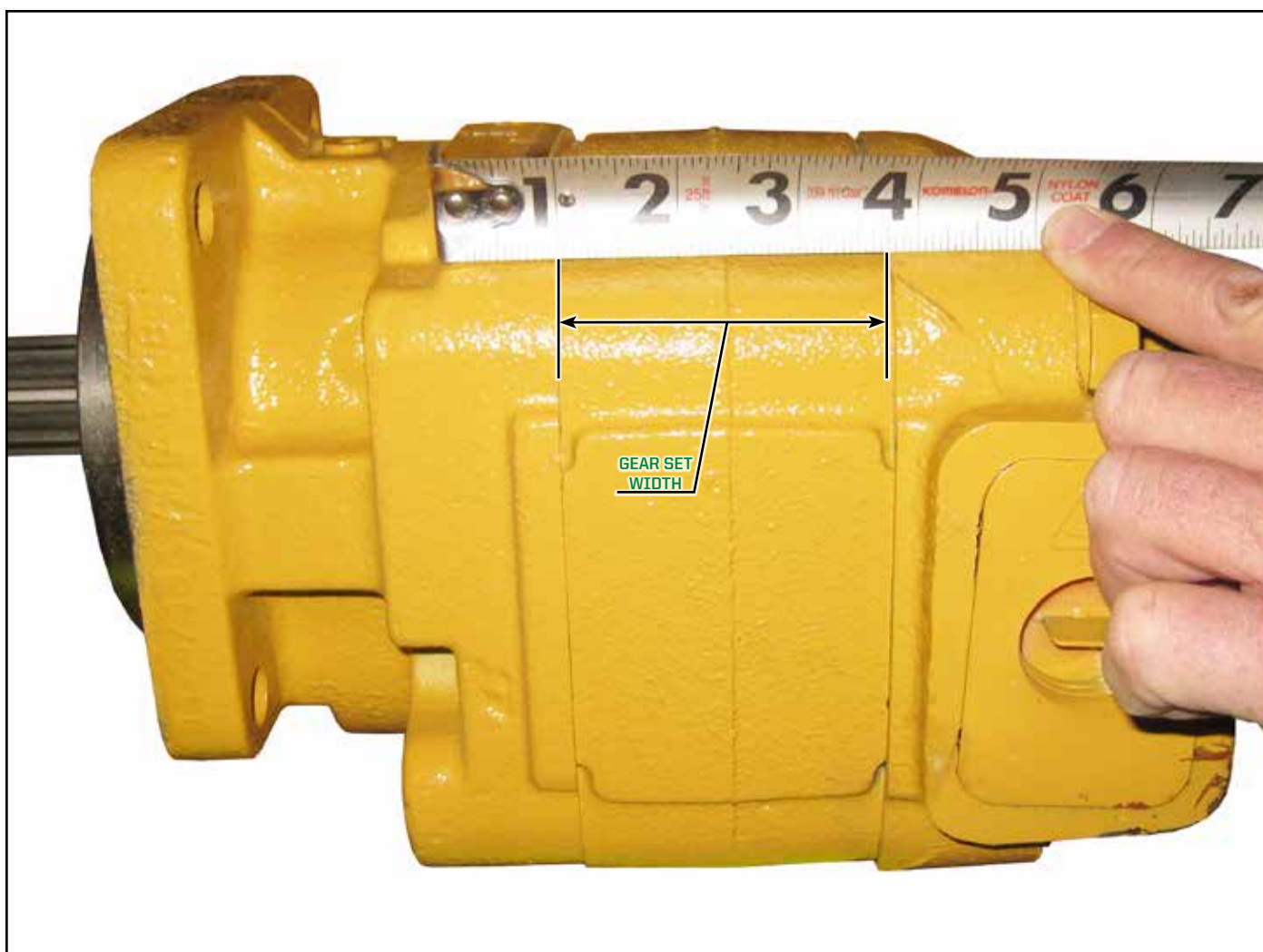
DRIVE ASSEMBLIES



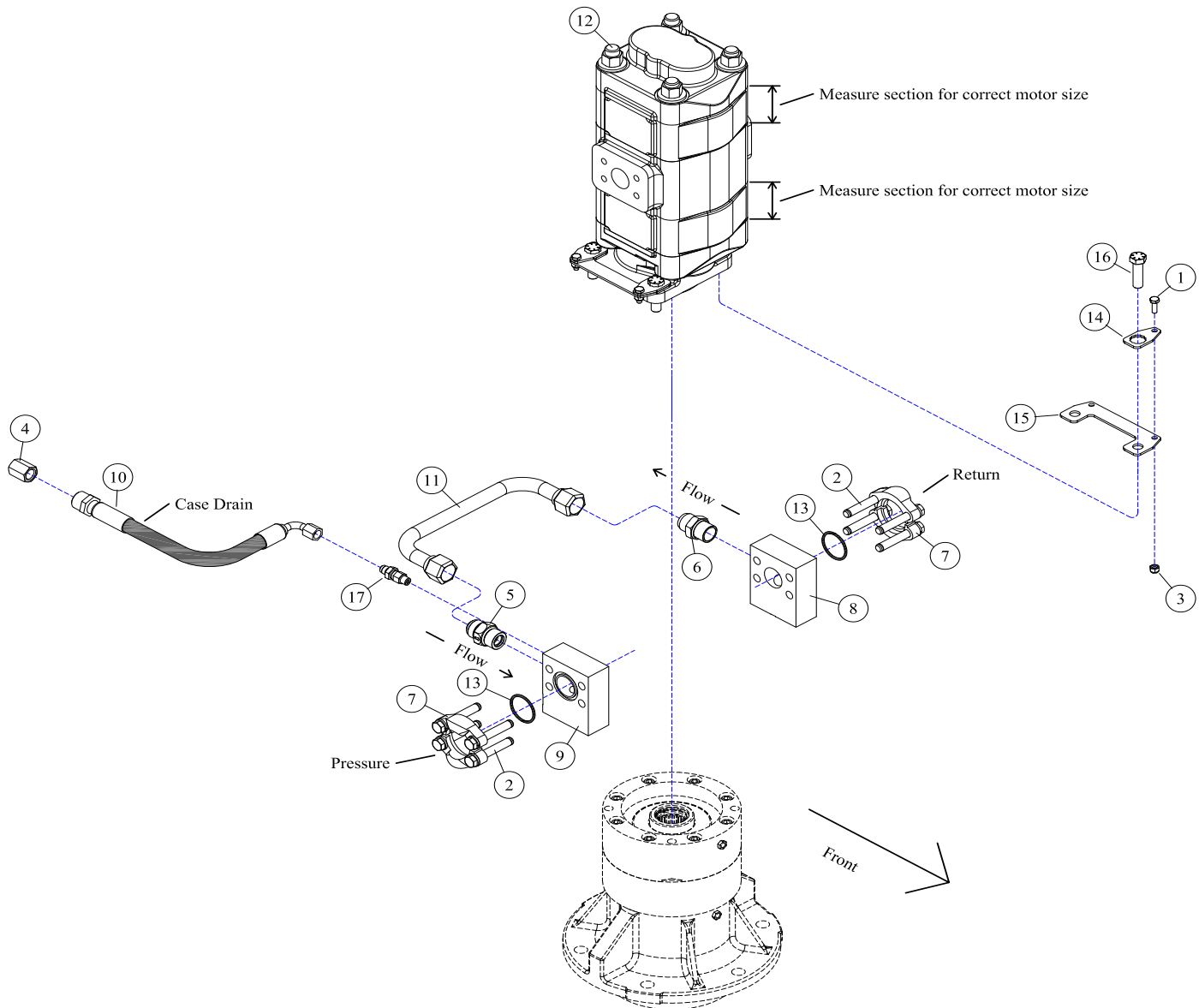
HOW TO DETERMINE YOUR MOTOR PART NUMBER

Note: The following parts pages in the **DRIVE ASSEMBLIES** section have multiple motor options; to identify which motor you have, follow the instructions below: you will have to first determine your vehicles hydraulic oil GPM requirements (i.e. 16-41gpm).

- ▷ Determine what your hydraulic oil flow requirements are for your vehicle in gallons per minute (GPM).
- ▷ Locate the **Drive Assemblies** page in the table of contents in the front of this manual that has a GPM range consistent with your vehicle's GPM requirements, and go to that page. Locate your motor part number.
- ▷ If multiple motor options and part numbers are available on your parts page, measure the width of the gear set portion of your motor to determine which part number is correct for your motor. Measure the gear set as shown in the illustration below *(see Figure 1)*.



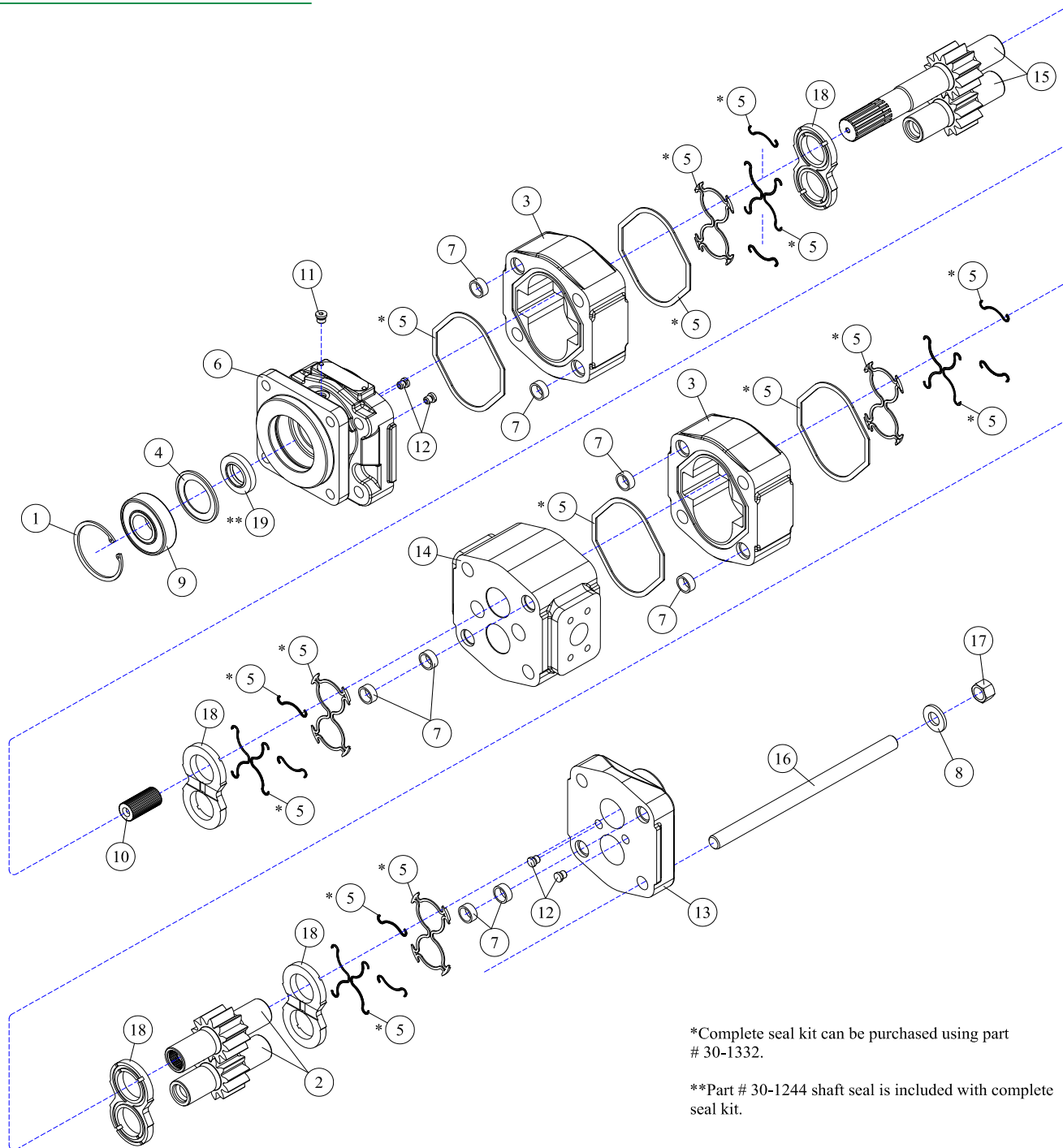
Motor - (Figure 1)

DRIVE ASSEMBLY - 60", 50-80GPM

REF#	PARTS DESCRIPTION	REQ	PART #
1	1/4 X 3/4 NC HEX CAP	4	11-0588
2	7/16 X 3 NC HEX CAPSCREW (included with #8 & 9)	4	11-0587
3	1/4 NC NYLOCK NUT	4	11-1022
4	3/8FJIC CAP NUT	1	21-1582
5	CHECK VALVE	1	21-1474
6	3/4 MORB X 3/4 MJIC ADAPTER	1	21-1475
7	#20 FLANGE KIT (included with #8 & 9)	2	21-2105
8	CROSS OVER MANIFOLD KIT (includes #2,7 & 13)	1	21-2180
9	TEE MANIFOLD KIT (includes #2,7 & 13)	1	21-2181
10	HOSE 3/8 X 50 (3/8FJIC X 3/8FJIC-90DEG)	1	21-4293
11	RUN-AROUND TUBE	1	28-0051
12	MOTOR		
	TANDEM GEAR, M365, 1" GEAR SETS, 1-1/2" SECT, 50-60 GAL/MIN	1	30-0538
	TANDEM GEAR, M365, 1-1/2" GEAR SETS, 2" SECT, 61-80 GAL/MIN	1	30-0536
13	O-RING (included with #7, 8 & 9)	2	33-0013
14	MOTOR BOLT LOCK TAB	4	31-0503
15	MOTOR BOLT LOCK BASE	2	31-0504
16	1/2-20 X 1-3/4 H.S. NF HEX CAP GR.8	4	11-0664
17	ADAPTER, 1/4MOR X 3/8MJIC	1	21-1597

DECK ASSEMBLIES



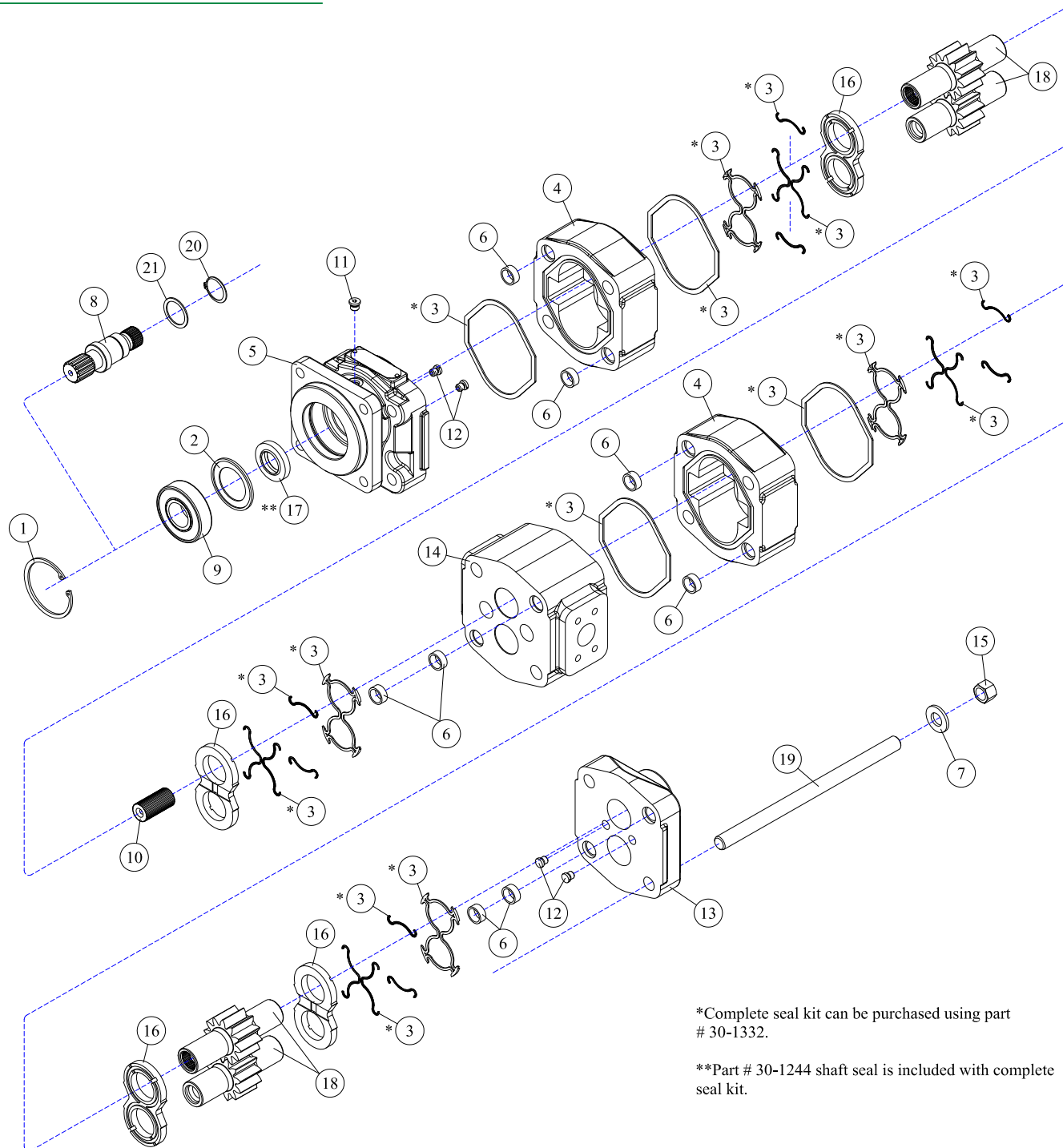
30-0536 - MOTOR ASSEMBLY

*Complete seal kit can be purchased using part # 30-1332.

**Part # 30-1244 shaft seal is included with complete seal kit.

REF#	PARTS DESCRIPTION	REQ	PART #
1	SNAP RING	1	30-1009
2	GEAR SET	1	30-1014
3	GEAR HOUSING	2	30-1016
4	SEAL RETAINER	1	30-1017
5	*SEAL KIT (also includes 30-1244)	Avail	30-1332
6	SHAFT END COVER HOUSING	1	30-1075
7	DOWEL PIN	8	30-1090
8	WASHER	4	30-1093
9	BALL BEARING	1	30-1173
10	CONNECTOR SHAFT	1	30-1176

REF#	PARTS DESCRIPTION	REQ	PART #
11	PLUG	1	30-1220
12	CHECK ASSEMBLY	4	30-1228
13	PORT END COVER HOUSING	1	30-1231
14	BEARING CARRIER HOUSING	1	30-1233
15	SET, GEAR SHAFT	1	30-1235
16	STUD	4	30-1238
17	HEX NUT	4	30-1239
18	THRUST PLATE	4	30-1241
19	**SHAFT SEAL	1	30-1244
***	SEAL APPLICATOR TOOL (not shown)	Avail	30-1048

30-0538 - MOTOR ASSEMBLY

REF#	PARTS DESCRIPTION	REQ	PART #
1	SNAP RING	1	30-1009
2	SEAL RETAINER	1	30-1017
3	*SEAL KIT (also includes 30-1244)	Avail	30-1332
4	GEAR HOUSING	2	30-1023
5	SHAFT END COVER HOUSING	1	30-1075
6	DOWEL PIN	8	30-1090
7	WASHER	4	30-1093
8	CONTINENTAL SHAFT	1	30-1144
9	BALL BEARING	1	30-1173
10	CONNECTOR SHAFT	1	30-1176
11	PLUG	1	30-1220

REF#	PARTS DESCRIPTION	REQ	PART #
12	CHECK ASSEMBLY	4	30-1228
13	PORT END COVER HOUSING	1	30-1231
14	BEARING CARRIER HOUSING	1	30-1233
15	HEX NUT	4	30-1239
16	THRUST PLATE	4	30-1241
17	**SHAFT SEAL	1	30-1244
18	GEAR SET	2	30-1251
19	STUD	4	30-1253
20	RETAINING RING	1	30-1019
21	WASHER	1	30-1020

35-0088 - DIRECT DRIVE SPINDLE

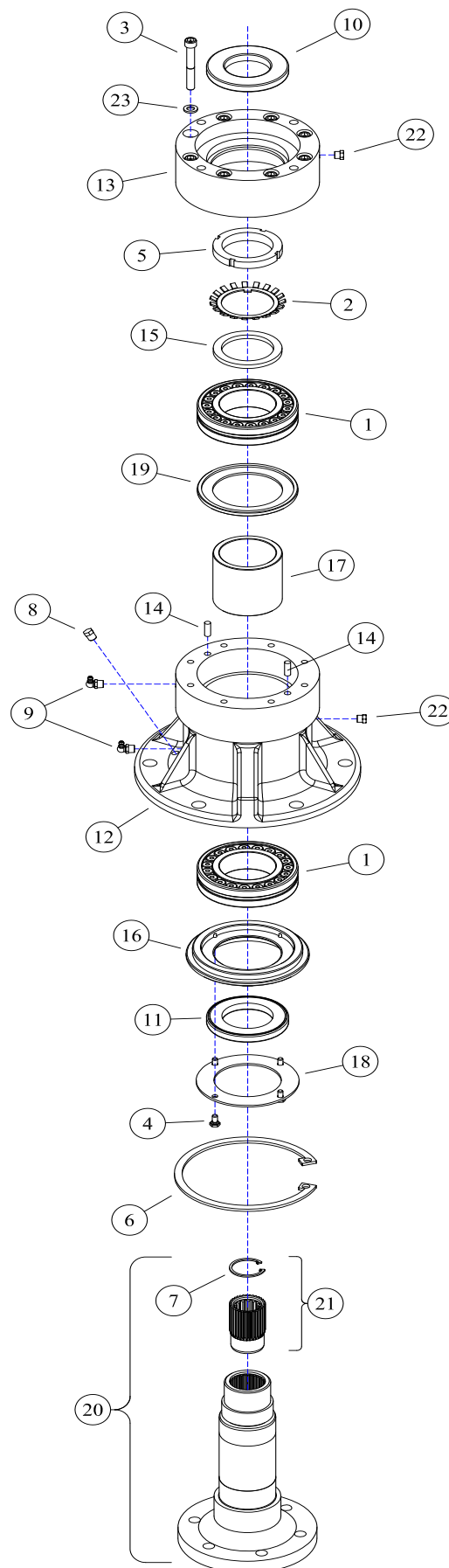
Grease with #2 lithium based grease every 500hrs.
Use 10 pumps (.44oz) into each of the two grease
zerks.

Warning: Do not overgrease

Overgreasing will cause damage or premature failure
of the bearings, housing & seals.

REF#	PARTS DESCRIPTION	REQ	PART #
1	BEARING	2	10-0055
2	LOCKING WASHER	1	11-0048
3	3/8 X 2-3/4 NC SKT HEAD CAPSCREW	8	11-0703
4	1/4 X 1/2 NC CAPSCREW	4	11-0741
5	2-1/2 SPANNER NUT	1	11-1037
6	LARGE SNAP RING	1	11-2021
7	SMALL SNAP RING	1	11-2022
8	PIPE PLUG	1	21-1136
9	1/8 X 90 GREASE ZERK	2	23-0005
10	UPPER SEAL	1	33-0035
11	LOWER SEAL	1	33-0057
12	SPINDLE HOUSING	1	35-0021
13	SEAL/MOTOR MOUNT	1	35-0022
14	ALIGNMENT PIN	2	35-0032
15	SPACER	1	35-0050
16	BOTTOM SEAL PLATE	1	35-0063
17	SPACER	1	35-0064
18	BOTTOM PLATE	1	35-0065
19	GREASE CATCH	1	35-0066
20	SPINDLE SHAFT COMPLETE	1	35-0090
*21	SPLINED INSERT KIT	1	35-0091
22	BREATHER	2	80-1016
23	3/8 LOCK WASHER GR 5	8	11-0005

* The splined insert kit includes the insert removal tool 11-0913.



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