

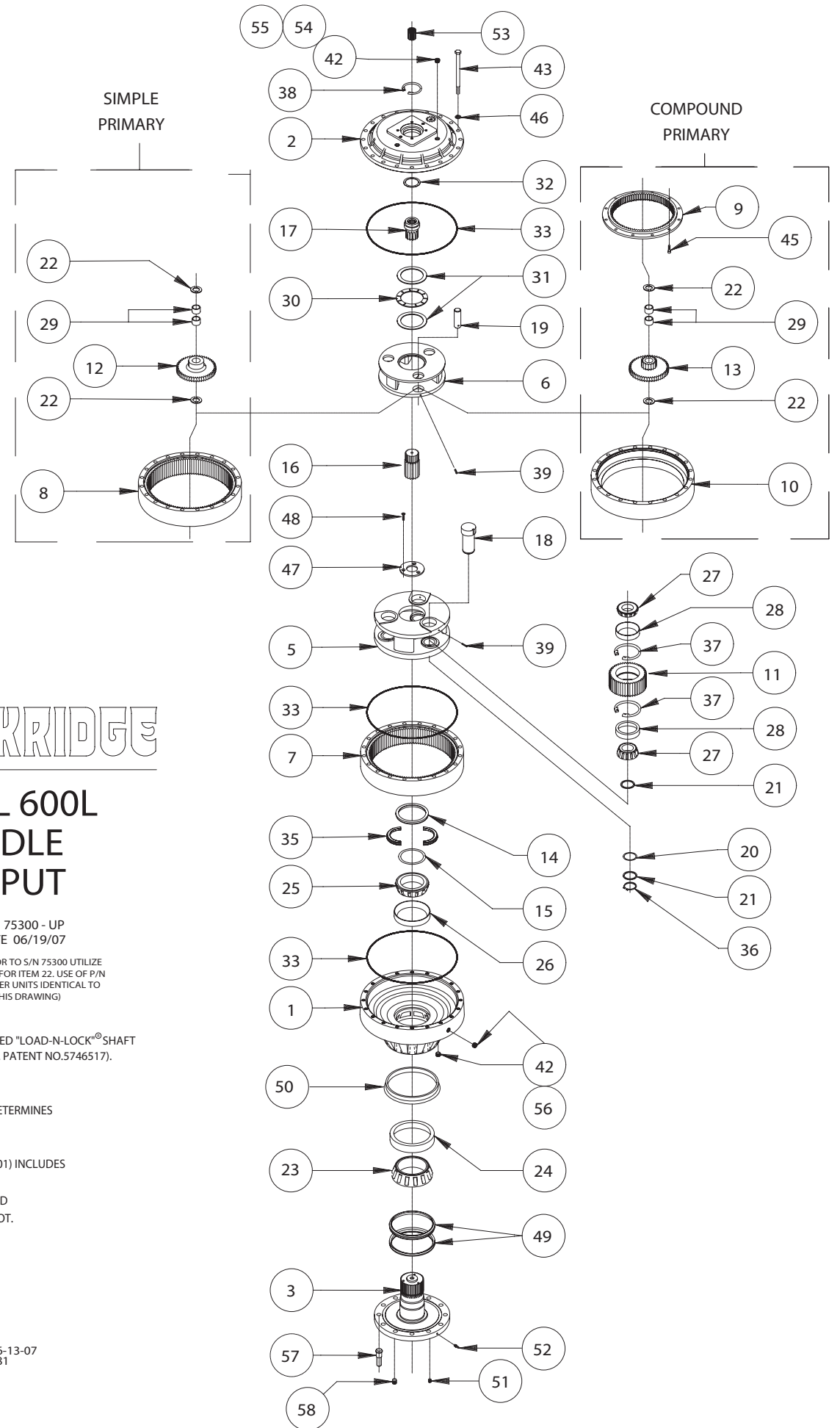
MODEL 600L SPINDLE DRIVE

RATIOS →

SIMPLE PRIMARY COMPOUND PRIMARY

24.66:1	38.56:1	60.29:1	70.39:1	89.38:1	110.08:1	139.76:1
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ITEM	QTY.	DESCRIPTION	SIMPLE PRIMARY			COMPOUND PRIMARY				
			PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
1	1	CODE F - FLANGELESS	60-004-3034	60-004-3034	60-004-3034	60-004-3034	60-004-3034	60-004-3034	60-004-3034	60-004-3034
		CODE F - FLANGELESS W/ZERK GREASE FITTING	60-004-3034Z	60-004-3034Z	60-004-3034Z	60-004-3034Z	60-004-3034Z	60-004-3034Z	60-004-3034Z	60-004-3034Z
		CODE A - FLANGED	60-004-3044	60-004-3044	60-004-3044	60-004-3044	60-004-3044	60-004-3044	60-004-3044	60-004-3044
		CODE A - FLANGED W/ZERK GREASE FITTING	60-004-3044Z	60-004-3044Z	60-004-3044Z	60-004-3044Z	60-004-3044Z	60-004-3044Z	60-004-3044Z	60-004-3044Z
		600C_ - CUSTOM MTG - PER CUSTOMER SPECS.								
2	1	COVER - SAE 'C' (2 AND 4 BOLT)	60-004-1064	60-004-1064	60-004-1064	60-004-1064	60-004-1064	60-004-1064	60-004-1064	60-004-1064
		COVER - SAE 'D' (4 BOLT)	60-004-1074	60-004-1074	60-004-1074	60-004-1074	60-004-1074	60-004-1074	60-004-1074	60-004-1074
		COVER - SAE 'E' (4 BOLT)	60-004-1564	60-004-1564	60-004-1564	60-004-1564	60-004-1564	60-004-1564	60-004-1564	60-004-1564
3	1	CODE S1 - 17" DIA.; 12X 1 1/8 - 12 UNF-2B	60-004-4052L	60-004-4052L	60-004-4052L	60-004-4052L	60-004-4052L	60-004-4052L	60-004-4052L	60-004-4052L
		CODE S2 - 17" DIA.; 12X 1.225 DIA. THRU HOLES	60-004-4122L	60-004-4122L	60-004-4122L	60-004-4122L	60-004-4122L	60-004-4122L	60-004-4122L	60-004-4122L
		CODE C1 - SPINDLE - CUSTOM								
5	1	CARRIER - SECONDARY	60-004-1044	60-004-1054	60-004-1054	60-004-1044	60-004-1044	60-004-1054	60-004-1054	
6	1	CARRIER - PRIMARY	60-004-1014	60-004-1014	60-004-1024	60-004-1024	60-004-1024	60-004-1024	60-004-1024	
7	1	RING GEAR - SECONDARY	60-004-1193	60-004-1193	60-004-1193	60-004-1193	60-004-1193	60-004-1193	60-004-1193	
8	-	RING GEAR - SIMPLE PRIMARY	60-004-1193	60-004-1193	60-004-1193	-	-	-	-	
9	1	RING GEAR - COMPOUND PRIMARY	-	-	-	60-004-1213	60-004-1213	60-004-1213	60-004-1213	
10	1	RING SPACER - PRIMARY	-	-	-	60-004-1253	60-004-1253	60-004-1253	60-004-1253	
11	3	PLANET GEAR - SECONDARY	60-004-1092	60-004-1112	60-004-1112	60-004-1092	60-004-1092	60-004-1112	60-004-1112	
12	-	PLANET GEAR - PRIMARY	60-004-1132	60-004-1132	60-004-1152	-	-	-	-	
13	3	CLUSTER GEAR	-	-	-	60-004-1162	60-004-1182	60-004-1162	60-004-1182	
14	1	LOCK RING - SHAFT BEARING	60-004-1472	60-004-1472	60-004-1472	60-004-1472	60-004-1472	60-004-1472	60-004-1472	
15	-J-	SHIM(S) - SHAFT	60-004-1311	60-004-1311	60-004-1311	60-004-1311	60-004-1311	60-004-1311	60-004-1311	
16	1	SUN GEAR	60-004-1082	60-004-1102	60-004-1102	60-004-1082	60-004-1082	60-004-1102	60-004-1102	
17	1	CODE 9 - (13T; 8/16 SPLINE)	60-004-1122	60-004-1122	60-004-1142	60-004-1142	60-004-1172	60-004-1142	60-004-1172	
		CODE 8 - (16T; 8/16 SPLINE)	60-004-1402	60-004-1402	60-004-1492	60-004-1492	60-004-1452	60-004-1492	60-004-1452	
18	3	PLANET SHAFT-SECONDARY	60-004-1262	60-004-1262	60-004-1262	60-004-1262	60-004-1262	60-004-1262	60-004-1262	
19	3	PLANET SHAFT-PRIMARY	60-004-1272	60-004-1272	60-004-1272	60-004-1272	60-004-1272	60-004-1272	60-004-1272	
20	-J-	SHIM(S) - SECONDARY PLANET	60-004-1321	60-004-1321	60-004-1321	60-004-1321	60-004-1321	60-004-1321	60-004-1321	
21	6	WASHER - SECONDARY PLANET	60-004-1291	60-004-1291	60-004-1291	60-004-1291	60-004-1291	60-004-1291	60-004-1291	
22	6	WASHER - PRIMARY PLANET	60-004-1881	60-004-1881	60-004-1881	60-004-1881	60-004-1881	60-004-1881	60-004-1881	
23	1	BEARING CONE - SHAFT OUTER	01-102-0190	01-102-0190	01-102-0190	01-102-0190	01-102-0190	01-102-0190	01-102-0190	
24	1	BEARING CUP - SHAFT OUTER	01-103-0190	01-103-0190	01-103-0190	01-103-0190	01-103-0190	01-103-0190	01-103-0190	
25	1	BEARING CONE - SHAFT INNER	01-102-0230	01-102-0230	01-102-0230	01-102-0230	01-102-0230	01-102-0230	01-102-0230	
26	1	BEARING CUP - SHAFT INNER	01-103-0230	01-103-0230	01-103-0230	01-103-0230	01-103-0230	01-103-0230	01-103-0230	
27	6	CONE - SEC.PLANET	01-102-0210	01-102-0210	01-102-0210	01-102-0210	01-102-0210	01-102-0210	01-102-0210	
28	6	CUP - SEC.PLANET	01-103-0210	01-103-0210	01-103-0210	01-103-0210	01-103-0210	01-103-0210	01-103-0210	
29	6	BRG-PRIMARY PLANET	01-105-0510	01-105-0510	01-105-0510	01-105-0510	01-105-0510	01-105-0510	01-105-0510	
30	1	BRG-PRI. CARR. THRUST	01-112-0340	01-112-0340	01-112-0340	01-112-0340	01-112-0340	01-112-0340	01-112-0340	
31	2	RACE-PRI. CARR. THRUST	01-112-0350	01-112-0350	01-112-0350	01-112-0350	01-112-0350	01-112-0350	01-112-0350	
32	1	RACE - INPUT THRUST	01-112-0060	01-112-0060	01-112-0060	01-112-0060	01-112-0060	01-112-0060	01-112-0060	
33	3	O-RING - RING GEAR	01-402-0660	01-402-0660	01-402-0660	01-402-0660	01-402-0660	01-402-0660	01-402-0660	
35	1	SPLIT RING	60-004-1482	60-004-1482	60-004-1482	60-004-1482	60-004-1482	60-004-1482	60-004-1482	
36	3	RETAINING RING-SEC. PIN	01-160-0490	01-160-0490	01-160-0490	01-160-0490	01-160-0490	01-160-0490	01-160-0490	
37	6	RETAINING RING-SEC. PLNT.	01-160-0500	01-160-0500	01-160-0500	01-160-0500	01-160-0500	01-160-0500	01-160-0500	
38	1	RETAINING RING - INPUT	01-160-0510	01-160-0510	01-160-0510	01-160-0510	01-160-0510	01-160-0510	01-160-0510	
39	6	ROLL PIN - PRI. 1/4 X 1 3/8	01-153-0150	01-153-0150	01-153-0150	01-153-0150	01-153-0150	01-153-0150	01-153-0150	
42	6	PIPE PLUG 3/4 NPT MAGNETIC	01-207-0100	01-207-0100	01-207-0100	01-207-0100	01-207-0100	01-207-0100	01-207-0100	
43	20	H.H.C.S 3/4-10 X 10.5 GRD 8	01-150-1580	01-150-1580	01-150-1580	01-150-1580	01-150-1580	01-150-1580	01-150-1580	
45	12	S.H.C.S 1/2-13 X 1.5 GRD 8	-	-	-	01-150-0570	01-150-0570	01-150-0570	01-150-0570	
46	20	HARDWASHER - 3/4	01-166-0350	01-166-0350	01-166-0350	01-166-0350	01-166-0350	01-166-0350	01-166-0350	
47	1	RING - SEC CARRIER RETAINER	60-004-1352	60-004-1352	60-004-1352	60-004-1352	60-004-1352	60-004-1352	60-004-1352	
48	3	FLAT HD. SOC. C.S. 3/8-24 X 1 GR8	01-150-1590	01-150-1590	01-150-1590	01-150-1590	01-150-1590	01-150-1590	01-150-1590	
49	1	SEAL - METAL FACE	01-406-0010	01-406-0010	01-406-0010	01-406-0010	01-406-0010	01-406-0010	01-406-0010	
50	1	SEAL - RUBBER FACE	01-406-0020	01-406-0020	01-406-0020	01-406-0020	01-406-0020	01-406-0020	01-406-0020	
51	1	PIPE PLUG (1/8 NPT-HOLLOW HEX)	01-207-0030	01-207-0030	01-207-0030	01-207-0030	01-207-0030	01-207-0030	01-207-0030	
52	1	GREASE FITTING-STRAIGHT, 1/8 NPT	01-215-0010	01-215-0010	01-215-0010	01-215-0010	01-215-0010	01-215-0010	01-215-0010	
53	1	CODE 4; 14T, 12/24 D.P. (OPTIONAL)	98-005-1141	98-005-1141	98-005-1141	98-004-1141	98-004-1141	98-004-1141	98-004-1141	
		CODE 7; 17T, 12/24 D.P. (OPTIONAL)	60-004-1523	60-004-1523	60-004-1523	60-004-1523	60-004-1523	60-004-1523	60-004-1523	
54	(1)	CODE V - AIR VENT, 1/8 NPT (OPTIONAL)	01-216-0030	01-216-0030	01-216-0030	01-216-0030	01-216-0030	01-216-0030	01-216-0030	
55	(1)	ADAPTER; 3/4" NPT-M, 1/8" NPT - F (OPTIONAL)	01-201-0530	01-201-0530	01-201-0530	01-201-0530	01-201-0530	01-201-0530	01-201-0530	
56	(-)	CODE Z - GREASE FIT.-STR., 1/4 NPT (OPTIONAL)	01-215-0040	01-215-0040	01-215-0040	01-215-0040	01-215-0040	01-215-0040	01-215-0040	
57	(12)	CODE S - SPINDLE STUDS (OPTIONAL)	01-164-0050	01-164-0050	01-164-0050	01-164-0050	01-164-0050	01-164-0050	01-164-0050	
58	1	PIPE PLUG (1/4 NPT)	01-207-0020	01-207-0020	01-207-0020	01-207-0020	01-207-0020	01-207-0020	01-207-0020	



MODEL 600L SPINDLE OUTPUT

EFFECTIVE S/N 75300 - UP
EFFECTIVE DATE 06/19/07

*UNITS MANUFACTURED PRIOR TO S/N 75300 UTILIZE
(OBSOLETE) P/N 60-004-1301 FOR ITEM 22. USE OF P/N
60-004-1881 WILL MAKE OLDER UNITS IDENTICAL TO
CURRENT UNIT (SHOWN ON THIS DRAWING)

EQUIPPED WITH PATENTED "LOAD-N-LOCK"® SHAFT
RETENTION SYSTEM (U.S. PATENT NO.5746517).

NOTES:
-J- BEARING PRELOAD DETERMINES
QUANTITY OF SHIMS.

SEAL KIT (P/N 60-016-2101) INCLUDES
3 EA. ITEM (33) O-RINGS,
1 EA. ITEM (49) SEAL, AND
1 EA. ITEM (50) SEAL BOOT.

X600LS2-AD DATE 06-13-07
ECN 2681