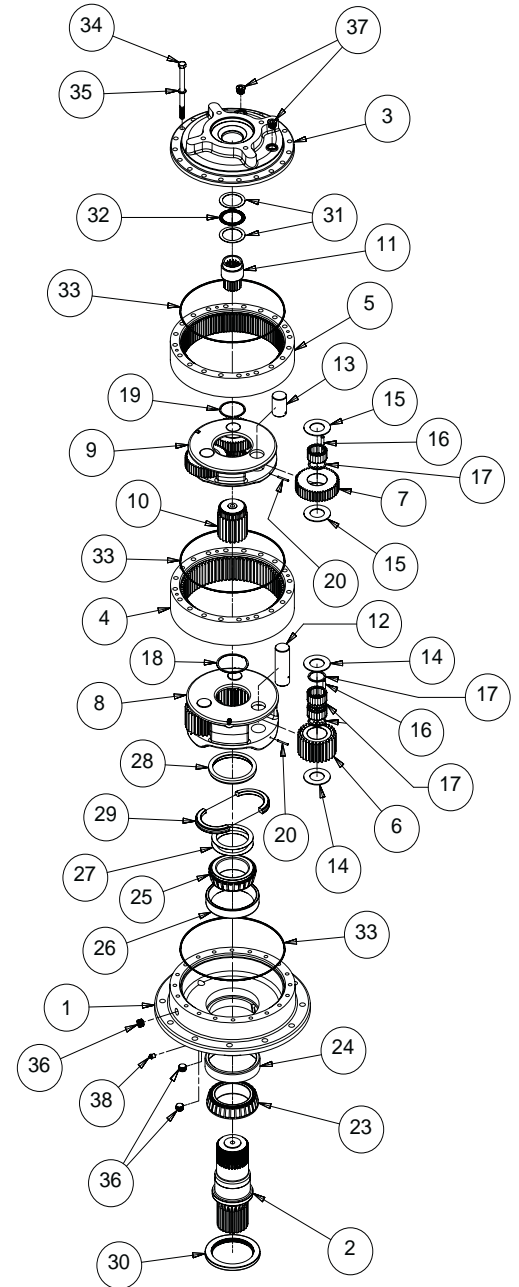


# 440 Double Stage Exploded View Drawing

ITEM	QTY	MODEL 440 RATIOS	19:1	28:1	36:1	47:1
			3.95 4.77	5.87 4.77	7.59 4.77	7.59 6.19
1	1	Base A round	42-004-3012	42-004-3012	42-004-3012	42-004-3012
		Base F flangeless	42-004-3022	42-004-3022	42-004-3022	42-004-3022
2	1	Shaft output D1	42-004-4012	42-004-4012	42-004-4012	42-004-4012
		Shaft output D2	42-004-4022	42-004-4022	42-004-4022	42-004-4022
3	1	SAE 'C' 2 Bolt and 4 Bolt	42-004-2012	42-004-2012	42-004-2012	42-004-2012
		SAE 'D' 4 Bolt	42-004-2022	42-004-2022	42-004-2022	42-004-2022
		SAE 'E' 4 Bolt	42-004-2032	42-004-2032	42-004-2032	42-004-2032
4	1	Ring gear secondary	42-004-1032	42-004-1032	42-004-1032	42-004-1032
5	1	Ring gear primary	42-004-1042	42-004-1042	42-004-1042	42-004-1042
6	3	Planet gear - sec	42-004-1092	42-004-1092	42-004-1092	42-004-1242
7	3	Planet gear - pri	42-004-1102	42-004-1112	42-004-1272	42-004-1272
8	1	Carrier - secondary	42-004-1402	42-004-1402	42-004-1402	42-004-1392
9	1	Carrier - primary	42-004-1062	42-004-1072	42-004-1282	42-004-1282
10	1	Sun gear secondary	42-004-1132	42-004-1132	42-004-1132	42-004-1252
11	1	Input gear 13 tooth, 8/16	42-004-1152	42-004-1162	42-004-1172	42-004-1172
		For 14 tooth, 12/24, use adapter	98-005-1141	98-005-1141	98-005-1141	98-005-1141
12	3	Planet shaft - sec	42-004-1332	42-004-1332	42-004-1332	42-004-1332
13	3	Planet shaft - pri	42-004-1342	42-004-1342	42-004-1342	42-004-1342
14	6	Planet thrust washer-sec	42-004-1362	42-004-1362	42-004-1362	42-004-1362
15	6	Planet thrust washer - pri	42-004-1362	42-004-1362	42-004-1362	42-004-1362
16	180	Roller sec-2 x 20, pri-1 x 20	01-106-0040	01-106-0040	01-106-0040	01-106-0040
17	3	Roller spacer washer	42-004-1352	42-004-1352	42-004-1352	42-004-1352
18	1	Retaining ring - secondary	01-160-0680	01-160-0680	01-160-0680	01-160-0680
19	1	Retaining ring - sun gear	01-160-0690	01-160-0690	01-160-0690	01-160-0690
20	6	Roll pin	01-153-0220	01-153-0220	01-153-0220	01-153-0220
23	1	Bearing outer cone (67388)	01-102-0290	01-102-0290	01-102-0290	01-102-0290
24	1	Bearing outer cup (67322)	01-103-0290	01-103-0290	01-103-0290	01-103-0290
25	1	Bearing inner cone (71450)	01-102-0280	01-102-0280	01-102-0280	01-102-0280
26	1	Bearing inner cup (71750)	01-103-0280	01-103-0280	01-103-0280	01-103-0280
27	*	Shim	42-004-1202	42-004-1202	42-004-1202	42-004-1202
28	1	Lock ring	42-004-1212	42-004-1212	42-004-1212	42-004-1212
29	1	Split ring	42-004-1222	42-004-1222	42-004-1222	42-004-1222
30	1	Seal output shaft	01-405-0770	01-405-0770	01-405-0770	01-405-0770
31	2	Thrust washer	01-112-0400	01-112-0400	01-112-0400	01-112-0400
32	1	Thrust bearing	01-112-0410	01-112-0410	01-112-0410	01-112-0410
33	3	O-ring	01-402-0840	01-402-0840	01-402-0840	01-402-0840
34	20	Hex head capscrew 5/8-11 X 8.5	01-150-1840	01-150-1840	01-150-1840	01-150-1840
35	20	Lockwasher	01-166-0040	01-166-0040	01-166-0040	01-166-0040
36	3	Plug - 3/4 NPT magnetic	01-207-0090	01-207-0090	01-207-0090	01-207-0090
37	2	Plug - sae -12 port	01-208-0030	01-208-0030	01-208-0030	01-208-0030
		Plug - 1/4 NPT	01-207-0020	01-207-0020	01-207-0020	01-207-0020
38	1	Grease Fitting 1/4 NPT	01-215-0040	01-215-0040	01-215-0040	01-215-0040



\* QUANTITY OF SHIMS DETERMINED  
BY BEARING PRE-LOAD REQUIRED

X440LD2-aa DATE:08-31-05