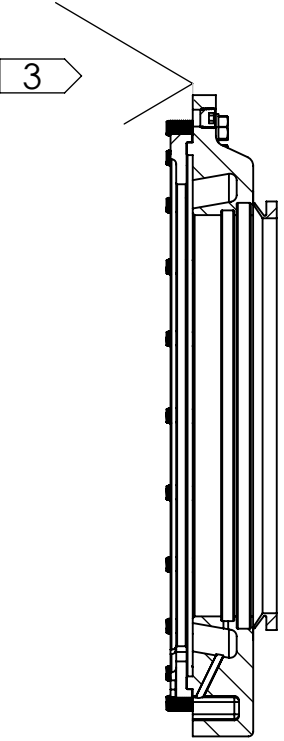
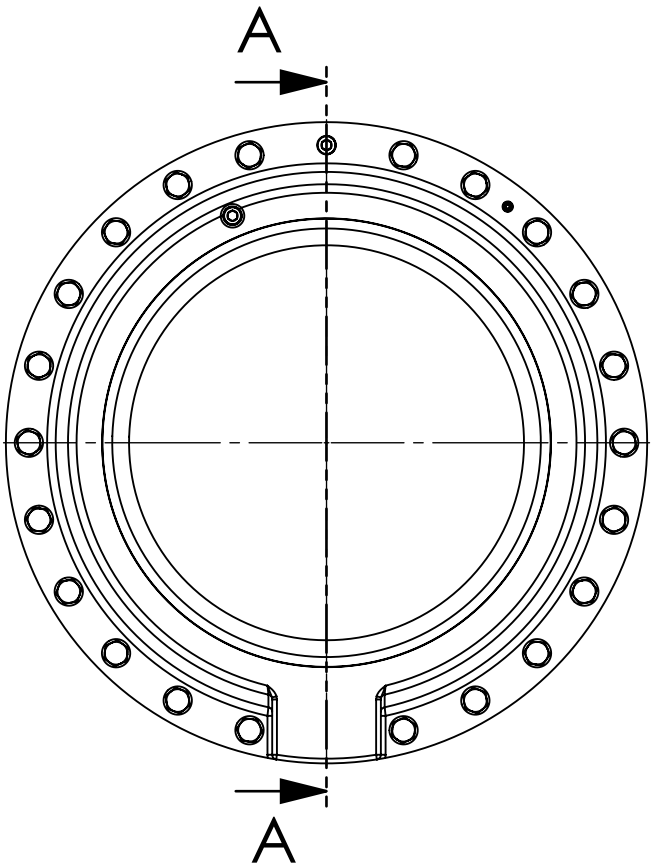


ITEM NO.	PART NUMBER	DESCRIPTION	EXPLODED VIEW/QTY.
1	90001	HEX HD CAPSCREW, M16 x 55, GR 8.8	22
2	90494	PIN, PULL DOWEL, M6 x 36 mm, VENTED	2
3	90651	WASHER, FLAT, PLAIN, STEEL, M16	22
4	90676	PLUG, 1/2-NPT, SOC HD	2
5	90861	PLUG, ORIFICE, M6 x 1.5	1
6	98217	SEAL, ROTOR SHAFT V-RING	1
7	254502	FRONT BEARING COVER	1
8	254503	PLC BEARING OIL FEED / PRELOADER	1

TORQUE CHART (LUBED)

A	M6 ORIFICE	- 7.8 Nm
B	1/2-NPT PLUGS	- 80.0 NM
C	M16 BOLTS	- 235.0 Nm



SECTION A-A  
SCALE 1 : 8

- NOTES:
- ASSEMBLY KIT ONLY
  - LOCTITE DOWEL (ITEM 2) INTO PLC BEARING/PRELOADER (ITEM 8).
  - FINAL MACHINE PLC BEARING/PRELOADER (ITEM 8) AT ASS'Y

REV	CHANGED FROM	BY	DATE	APRD
A	PRE-RELEASE	CPS	2/25/13	
B	RELEASE FOR PRODUCTION	CPS	4/18/13	
C	REPAIR DANGLING NOTE LEADERS	JMG	10/18/13	
D	REMOVAL OF ONE BOLT AND WASHER	CPG	3/19/14	
E	CHANGES PER MFG REVIEW, REFER 1509-ECN-026	CPG	11/23/15	

REPORT ERRORS & CHANGES REMOVE ALL BURRS AND SHARP EDGES DIMENSIONS ARE IN MILLIMETERS. UNSPECIFIED TOLERANCES: DECIMALS: FINISH: ANGLES:		
X. ±1.0 .X ±0.5 .XX ±0.25	6.3 μm Ra	≤ ± 0.5°
COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY		
DRAWN	CPS	DATE: 2/25/13
CHECKED	NJB	THIRD ANGLE PRJ

National Renewable Energy Laboratory		
TITLE: FRONT BEARING RETAINER ASSY		
SIZE B	DWG. NO. 254718	REV E
SCALE: 1:8	WEIGHT: 20.62 kgs	SHEET 1 OF 1