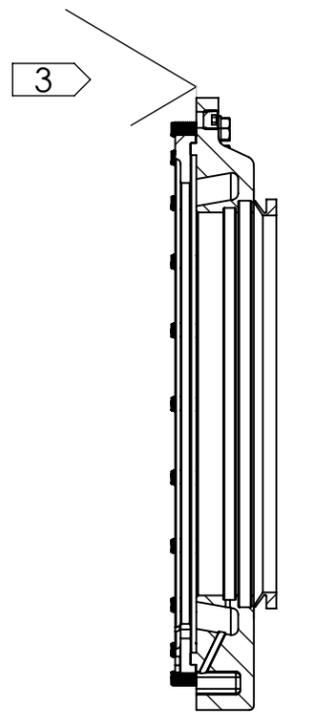
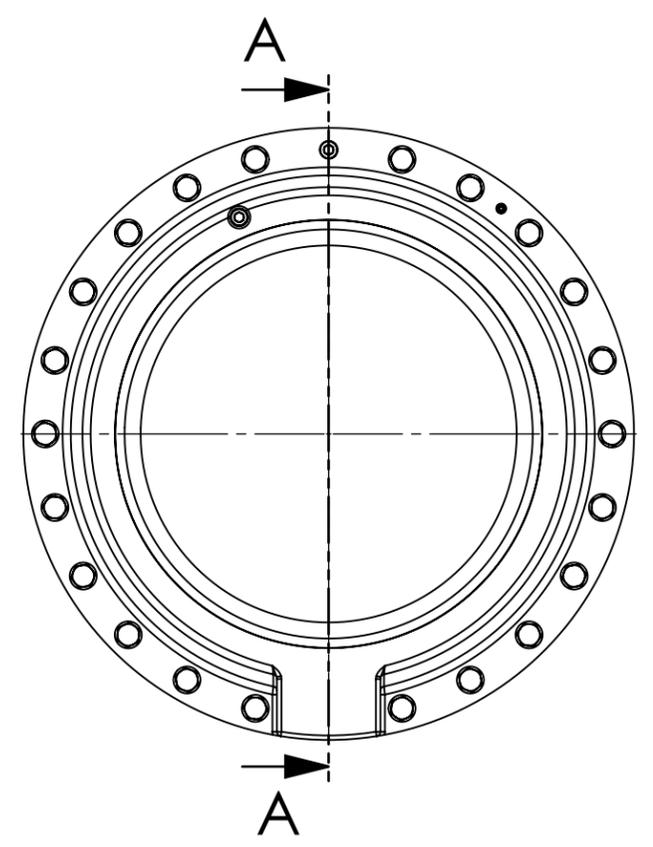


ITEM NO.	PART NUMBER	DESCRIPTION	EXPLODED VIEW/QTY.
1	90001	HEX HD CAPSCREW, M16 x 55, GR 8.8	22
2	90494	PIN, PULL DOWEL, M6 x 36 mm, VENTED	2
3	90651	WASHER, FLAT, PLAIN, STEEL, M16	22
4	90676	PLUG, 1/2-NPT, SOC HD	2
5	90861	PLUG, ORIFICE, M6 x 1.5	1
6	98217	SEAL, ROTOR SHAFT V-RING	1
7	254502	FRONT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

TORQUE CHART (LUBED)

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



SECTION A-A
SCALE 1 : 8

NOTES:

1. ASSEMBLY KIT ONLY
2. LOCTITE DOWEL (ITEM 2) INTO PLC BEARING/PRELOADER (ITEM 8).
3. 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 $\mu\text{m Ra}$ $\leq \pm 0.5^\circ$

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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 DWG. NO. REV
B 254718 **E**

SCALE: 1:8 WEIGHT: 20.62 kgs SHEET 1 OF 1