

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	IN-1051	HANDPIECE ENCLOSURE BOTTOM	1
2	IN-1050	HANDPIECE ENCLOSURE TOP	1
3	IN-E001	HANDPIECE PCB ASSEMBLY	1
4	IN-1054	HANDPIECE FLEXIBLE BUTTON	1
5	IN-2040	PVC TUBING, 1/16" ID, 1/8" OD, 80A DUROMETER	87mm 11.
6	IN-2015	PANEL MOUNT NUT	1
7	IN-2014	PANEL MOUNT LUER LOCK	1
8	IN-2045	THREAD-FORMING SCREWS	4
9	IN-2043	1/8" COUPLING TO 1/16" BARB	1
10	IN-2044	X-PROFILE O-RING	1
11	IN-1057	HANDPIECE PCB FOAM	4
12	IN-1055	HANDPIECE SEAL	1
13	IN-2064	LOW STRENGTH THREADLOCKER	AR

NOTES: UNLESS OTHERWISE SPECIFIED

C 1. NO COMPONENTS MAY BE SUBSTITUTED WITHOUT PRIOR WRITTEN APPROVAL FROM ENGENIOUS.  
 2. ASSEMBLE PER BOM DEFINED IN ENGENIOUS DOCUMENT IN-0010.  
 3. AID ASSEMBLY PER INSTRUCTIONS DEFINED IN ENGENIOUS DOCUMENT IN-0035.

4. NOTED OR ENCIRCLED ITEMS SHALL BE INSPECTED.

5. TORQUE FASTENERS PER TABLE AA.

6. TUBING SHALL BE FREE OF ANY KINKS AFTER INSTALLATION.

7. SURFACES SHALL BE FREE OF ALL OILS AND/OR DEBRIS PRIOR TO APPLICATION OF ANY SEALS.

8. APPLY PRESSURE PER MANUFACTURER RECOMMENDATIONS ACROSS ENTIRE SURFACE TO ENSURE COMPLETE AND EVEN BONDING.

9. VERIFY THE FOLLOWING AFTER ASSEMBLY:

- A CLICK IS HEARD AND FELT WHEN COMPRESSING ITEM 4.
- ITEM 9 IS CENTERED WITHIN ENCLOSURE AND DOES NOT SPIN WHEN TWISTED BY HAND.
- REVEAL GAP IS EVEN.

10. VERIFY THE HEX PATTERN RESTS WITHIN THE POCKET OF ITEM 1. VERIFY NO AIR GAP AFTER ITEM 6 INSTALL.

11. QTY DEFINES LENGTH HELD TO  $\pm 2$ .

12. COLORS SHOWN ARE NOT TRUE PART OR MATERIAL COLOR.

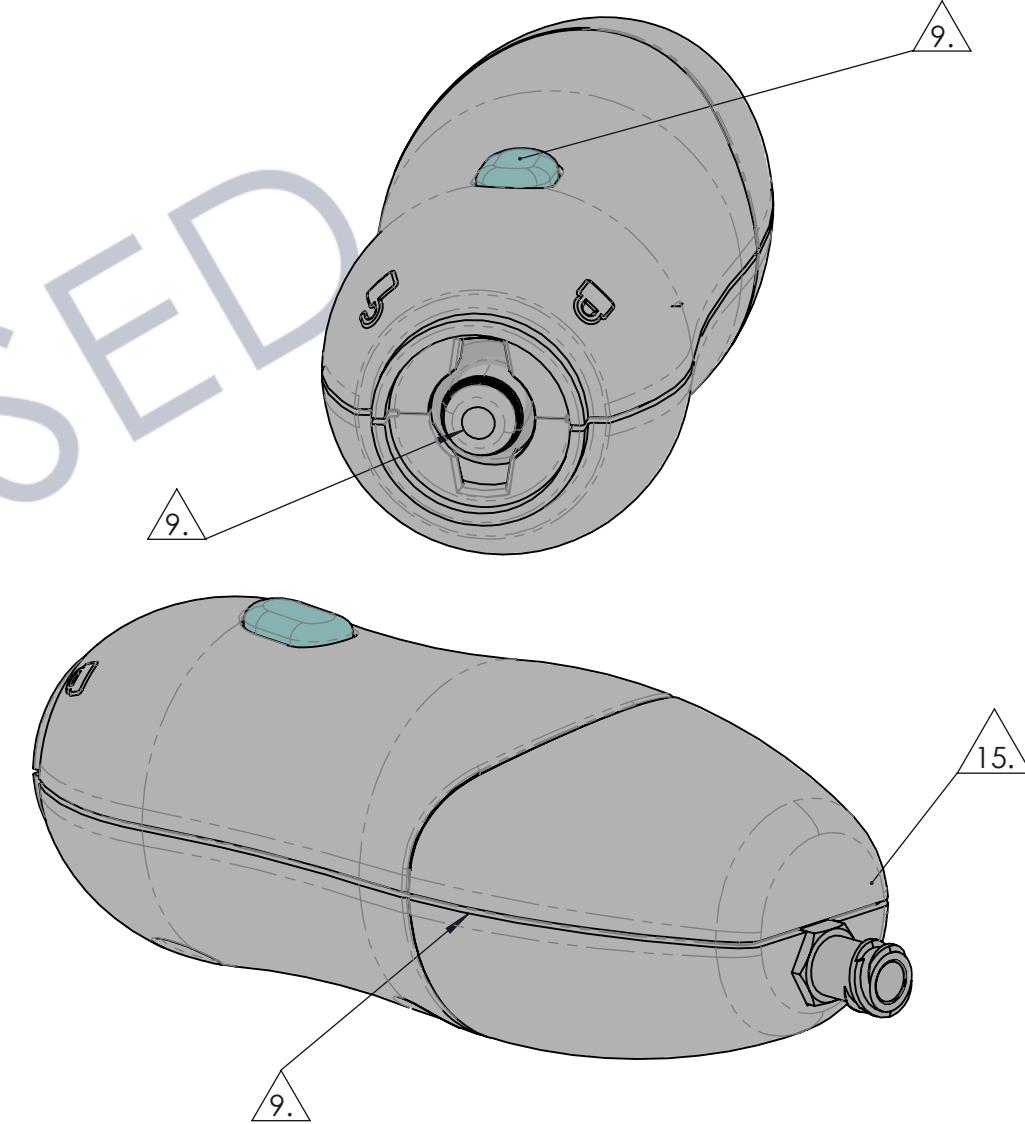
13. POSITION VIA SILKSCREEN ON PCB.

14. ESD SENSITIVE COMPONENT. ESD PRECAUTIONS SHOULD BE TAKEN.

15. PRIOR TO ASSEMBLY, IN-1050 SHALL BE MARKED WITH "FCC ID: 2A9ATIN-5001" AND SEQUENTIALLY SERIALIZED BY LASER. STARTING AND ENDING SERIAL NUMBER TO SPECIFIED IN EACH P.O TO THE ENGRAVING COMPANY. SERIAL NUMBER TO BE ALIGNED AND CENTERED AND INDICATED IN THE FORMAT OF "H-YY-XXX" WITH "YY" BEING THE LAST TWO DIGITS OF THE YEAR AND "XXX" BEING THE SEQUENTIAL NUMBERS INDICATED ON THE P.O..

16. DURING ASSEMBLY ENSURE LASER ENGRAVED SERIAL NUMBER ON IN-1050 MATCHES SOFTWARE SERIAL NUMBER PROGRAMED INTO IN-E001.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	ECO
N/A	2	P2 INITIAL RELEASE	8/2/2022	CO-22-21
A8, B1, 2-B1, 2-B4	3	HANDPIECE SERIAL NUMBER MARKING NOTES	12/16/2022	CO-22-66
A5	4	UPDATE NOTE 15 TO INCLUDE FCC ID	5/17/2023	



ASSEMBLED VIEW

TABLE AA 5.			
ITEM	PART NUMBER	TORQUE	TOLERANCE
6	IN-2015	SNUG-TIGHT	-
8	IN-2045	1.0 in-lbs	$\pm 10\%$

UNLESS OTHERWISE SPECIFIED DIM ARE IN MILLIMETERS		engenious design	TITLE		
TOLERANCES .XX $\pm 0.13$ .X $\pm 0.25$ ANG $\pm 1^\circ$			Handpiece Assembly		
INTERPRET DIM AND TOL PER ASME Y14.5-2009			SIZE B	DWG NO IN-4002	
THIRD ANGLE PROJECTION					
CONFIDENTIAL			NOT TO SCALE	SHEET 1 of 2	

8

7

6

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1

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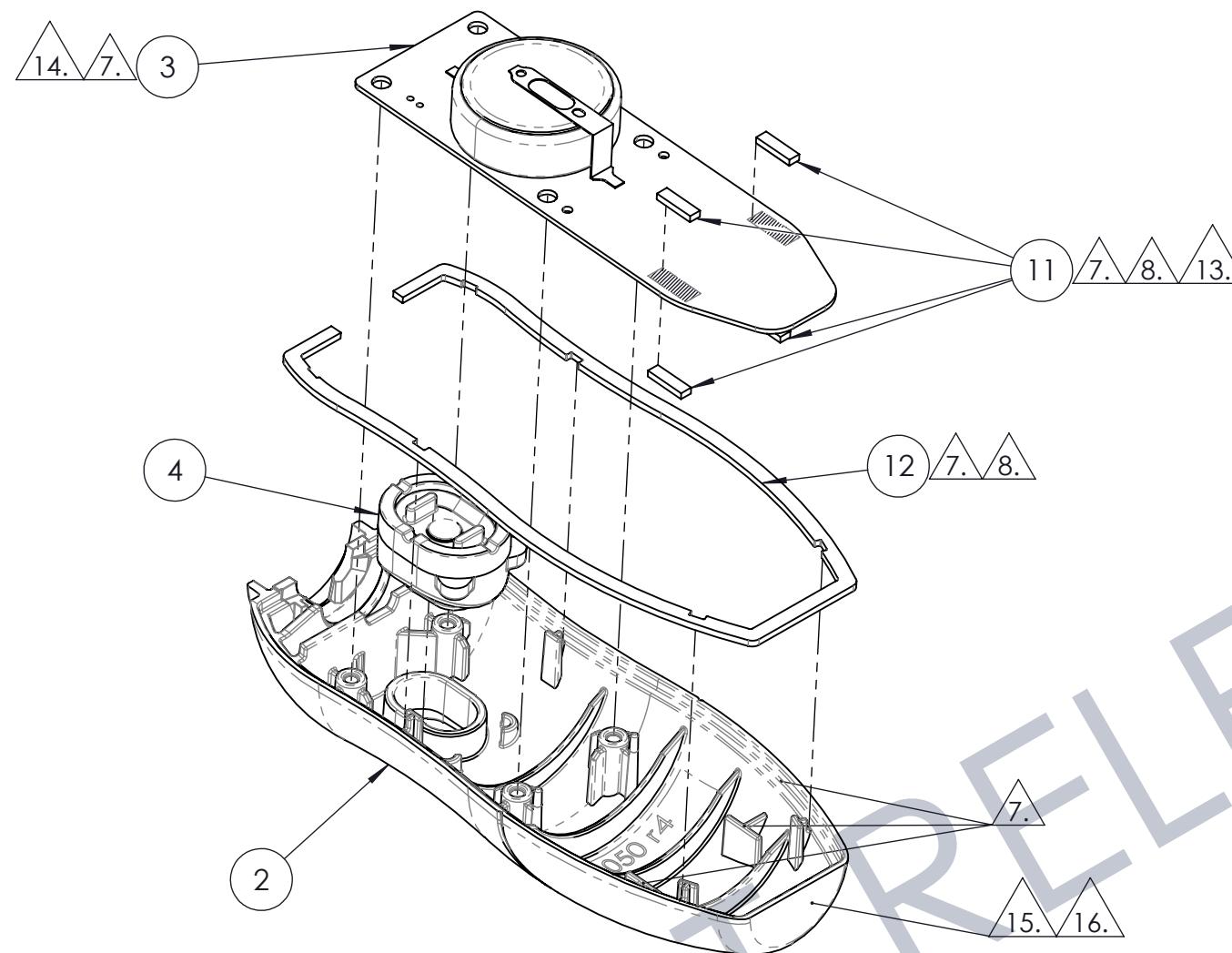
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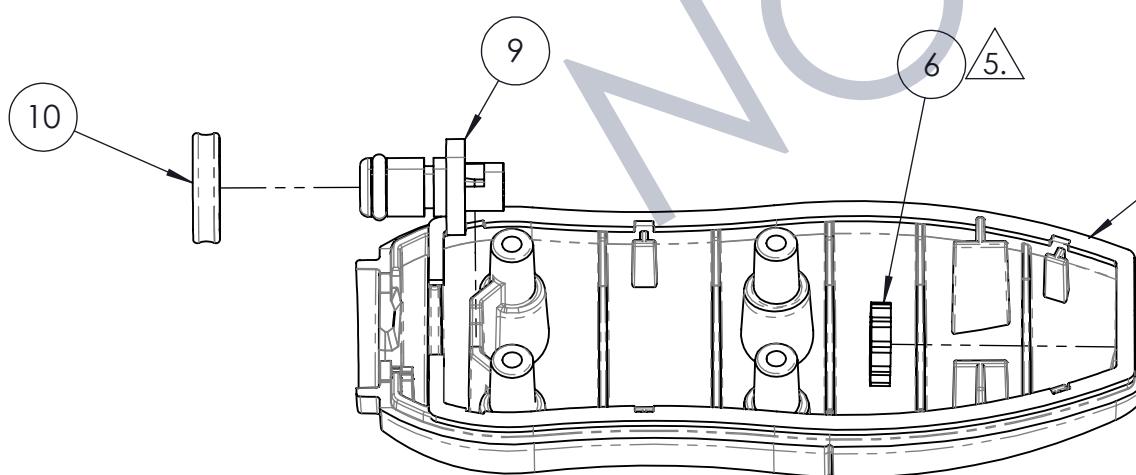
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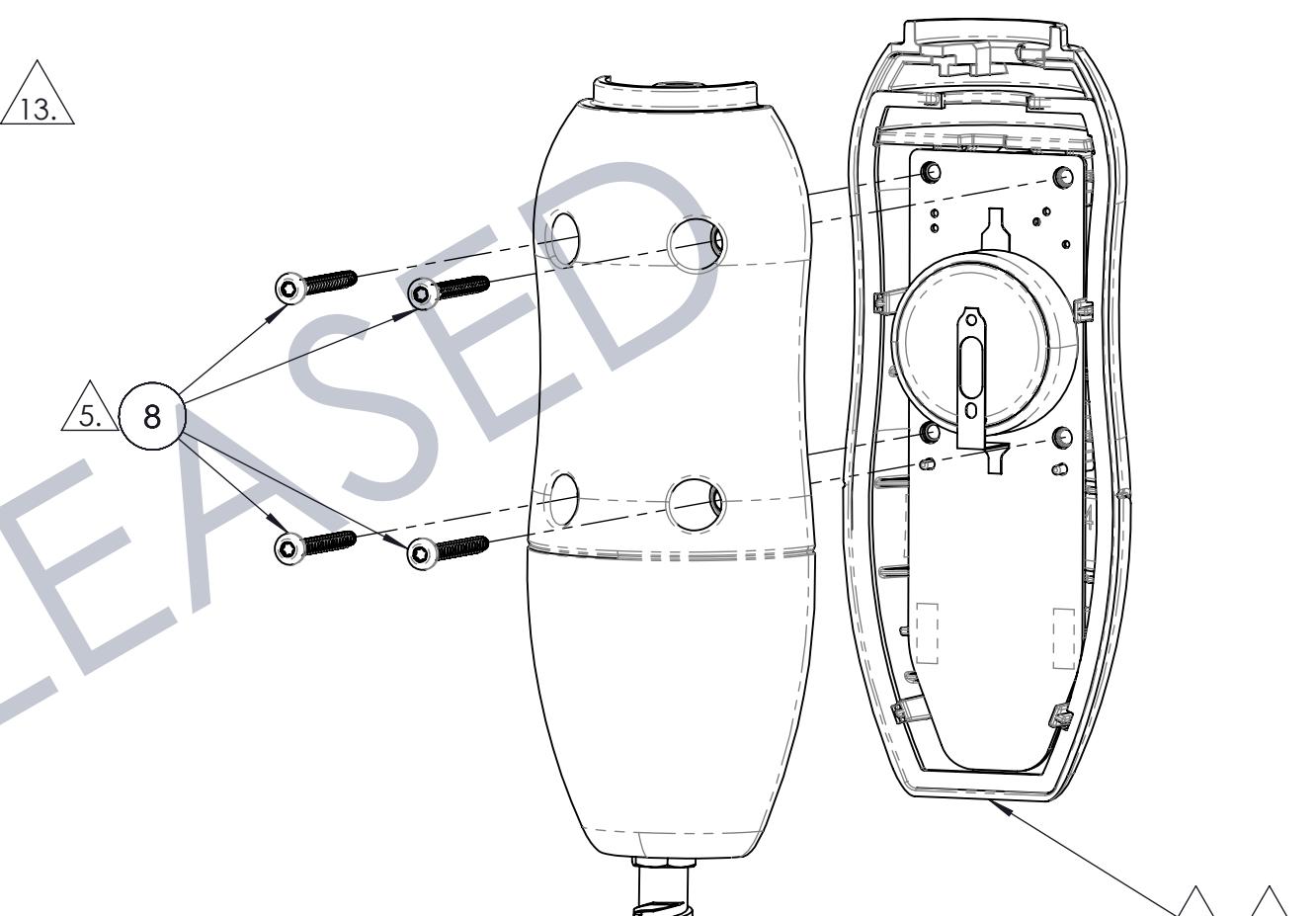
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TOP LEVEL ASSEMBLY: FRONT ENCLOSURE



TOP LEVEL ASSEMBLY: BOTTOM ENCLOSURE



TOP LEVEL ASSEMBLY: BOTTOM ENCLOSURE INSTALLATION

 <small>ingenious design</small> <small>CONFIDENTIAL</small>	TITLE	
	SIZE	DWG NO
	B	IN-4002
NOT TO SCALE		REV 3
SHEET 2 of 2		