

BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	6000-J	OIO SKELETON ASSEMBLY	1
2	6006-K	LID SUBASSEMBLY	1
3	6021-F	MAGNET SLED SUBASSEMBLY	1
4	0177-A	BUTTON TORSION SPRING	1
5	0089-N	RIGHT SIDE COVER	1
6	0090-M	LEFT SIDE COVER	1
7	6007-C	ENCLOSURE TENSIONER ASSEMBLY	1
8	0013-A	ST2.9 x 9.5 THREAD FORMING STAINLESS SCREW	2
9	0182-B	ST2.9 x 9.5 FLAT HEAD THREAD FORMING BLACK SCREW	7
10	0215-A	LED DIFFUSER CAP	1
11	0219-E	TURN BUTTON	1
12	6004-J	NOZZLE CHAMBER ASSEMBLY	1
13	0218-B	POLYESTER LID LABEL	1
14	0161-C	RUBBER PLUG	1
15	0004-A	DUPONT MOLYKOTE 111 GREASE	0.05 g
16	0258-A	P-80 EMULSION IFC RUBBER LUBRICANT	0.1 mL

LID MUST CLOSE FLAT UNDER IT'S OWN WEIGHT, AND CANNOT BIND ON THE COVERS.

ASSEMBLY		
STEP	COMPONENT	INSTRUCTION
1	LID ELECTRICAL CONNECTION	■PLUG IN THE CABLE FROM THE LID ASSEMBLY INTO THE TUBE LID ASSEMBLY, AND THEN INSTALL THE CABLE GROMMET ONTO THE TUBE LID ASSEMBLY ENSURING A LIQUID TIGHT FIT. ■PLACE THE ENCLOSURE TENSIONER ASSEMBLY ON TOP OF THE LID SUPPORT PLATE AND ENSURE THE LID PLATE IS MAGNETIZED TO THE ENCLOSURE TENSIONER ASSEMBLY.
2	RESET BUTTON	■INSTALL MAGNETIC RESET BUTTON ASSEMBLY ALONG WITH A TORSION SPRING ONTO THE TUBE LID PLATE, AND CONFIRM BLUE LED FLASHES
3	COVERS, LID ASSEMBLY	■REMOVE THE ENCLOSURE TENSIONER ASSEMBLY TEMPORARILY, AND INSTALL THE RIGHT SIDE COVER IN THE BASE AND TILT SLIGHTLY. ■INSTALL THE LID ASSEMBLY ONTO THE HINGE PIN OF THE RIGHT SIDE COVER ■INSTALL THE LEFT SIDE COVER INTO THE BASE, MATING THE CLIPS BETWEEN THE LEFT AND RIGHT SIDES, AND ENSURING THE LID ASSEMBLY STAYS ON THE HINGE PINS UNTIL THE COVERS ARE CLIPPED IN PLACE
4	ST2.9 x 9.5 SCREW ASSEMBLY	INSTALL AND TIGHTEN THE TWO ST2.9 x 9.5 SCREWS THAT HOLD THE COVERS INTO THE TUBE LID ASSEMBLY, WHILE HOLDING THE FRONT PORTION OF THE TWO COVERS TOGETHER TO KEEP AN AESTHETIC GAP BETWEEN THE COVERS. TIGHTEN TO 1.1-1.25 N-m, USING AN ELECTRIC TORQUE LIMITING SCREWDRIVER SIMILAR TO THE MILWAUKEE 2101-20 M4, AT TORQUE SETTING #8 AND SPEED SETTING #1.
5	ENCLOSURE TENSIONER, ST2.9 x 9.5 SCREW ASSEMBLY	INSTALL THE ENCLOSURE TENSIONER INTO THE ASSEMBLY, AND FASTEN THE ST2.9 x 9.5 BLACK THREAD FORMING SCREWS, STARTING WITH THE SCREWS CLOSEST TO THE NOZZLE WHILE HOLDING THE COVERS TOGETHER AT THE BUTTON LOCATION, THEN HOLDING AT THE LID OPENING END FOR THE REMAINING SCREWS. TIGHTEN TO 0.75-0.95 N-m, USING AN ELECTRIC TORQUE LIMITING SCREWDRIVER SIMILAR TO THE MILWAUKEE 2101-20 M4, AT TORQUE SETTING #5 AND SPEED SETTING #2.
6	DIFFUSER CAP AND TURN BUTTON	ALIGN THE NOTCH AND PUSH THE LED DIFFUSER CAP INTO THE RIGHT COVER HOLE UNTIL IT CLICKS INTO PLACE. THEN PUSH THE TURN BUTTON INTO PLACE (LEG ALIGNED WITH LONG MARK ON THE COVER)
7	NOZZLE CHAMBER ASSEMBLY	APPLY O-RING GREASE TO THE O-RING SURFACE OF THE NOZZLE BODY AND TO U-CUP SEAL CONTACT SURFACE, AND INSTALL THE NOZZLE CHAMBER ASSEMBLY INTO THE TUBE LID ASSEMBLY BY PUSHING DOWN UNTIL IT CLICKS IN PLACE.
8	AIR LEAK TEST	AIR TEST THE FULL ASSEMBLY BY USING THE PLUG FIXTURE IN THE NOZZLE LID HOLES AND A CONNECTOR AT THE GARDEN HOSE CONNECTION, APPLY 14 TO 15 PSI AND SHUT OFF THE AIR, THEN WATCH FOR SEVERAL SECONDS TO ENSURE NO DECAY LEAKAGE OCCURS.
9	FUNCTION TEST	RUN THE AUTOMATED END OF LINE TEST, WHICH INCLUDES TESTING OF EACH MOTOR, PUMP, POSITION AND PRESSURE SENSORS, AND SOLAR PANEL. IF THE TEST FAILS MARK THE UNIT AS REJECTED, OTHERWISE PUT THE JUST PRINTED LABEL UNDER THE LID. LABEL WILL NOT PRINT UNLESS THE UNIT PASSES.
10	CONTROLLER CABLE PLUG	TUCK CONTROLLER CABLE INTO THE NOTCH IN THE RUBBER PLUG AND INSTALL RUBBER PLUG TO SEAL OFF MAIN TUBE COLUMN.

REV				DATE		INITIAL RELEASE		FV		FV	
REV	CHG	ZONE	DM	DATE		DESCRIPTION OF CHANGE		DRN		CHK	
CONFIDENTIAL - ALL RIGHTS RESERVED											
REPRODUCTION AND/OR DISCLOSURE TO THIRD PARTIES WITHOUT PRIOR WRITTEN AUTHORIZATION BY OIO INCORPORATED IS STRICTLY PROHIBITED.											
OIO SPECIAL CHARACTERISTICS						OIO SPECIAL DRAWING SYMBOLS			GENERAL NOTES UNLESS OTHERWISE SPECIFIED		
PHOTO COPY/REPRODUCTION, SURFACE FINISHES, DIMENSIONS, AND TOLERANCES DESIGNATION WORK INSTRUCTION						IDENTIFICATION #			ALL LINEAR DIMENSIONS ARE IN MILLIMETERS.		
①= SIGNIFICANT						①= IDENTIFICATION			BURRS, SHARP EDGES, CORROSION, DIRT OR FOREIGN MATERIALS (E.G. CHIPS, GREASE), DETRIMENTAL TO HANDLING, FUNCTION OR APPEARANCE ARE NOT PERMISSIBLE.		
②= MIN						②= 100% INSPECTION			NO MANUAL CHANGES.		
③= MAX						③= PINS THROUGH			DRAFT ANGLES 2° / SIDE		
GEOMETRIC TOLERANCES PER ISO 1101:2004						④= PROPOSED EJECTOR PIN LOCATION			NO LINEAR DIMENSIONS UNLESS OTHERWISE SPECIFIED		
SURFACE TEXTURE PER ISO 1302:2002						⑤= PARTING LINE			FILLETS AND RADIUS		
GENERAL TOLERANCES & FEATURE DIMENSIONS UNLESS OTHERWISE SPECIFIED						⑥= DIMENSION			CASTINGS ± R2.0		
LINEAR DIMENSIONS (mm)						⑦= ANGLE			2X MATL.		
GENERAL TOLERANCES						⑧= STAMPINGS			OTHER		
TOLERANCES ACCORDING TO ISO 8015						⑨= OTHER			R1.5		
PRODUCTS TO COMPLY WITH CURRENT AND FUTURE SUBSTANCE OF CONCERN (SOC) REQUIREMENTS AND DIRECTIVES											
ASSEMBLED, UNPACKAGE OIO											
LAST DRW --						TITLE					
DRAWN FV						OIO Incorporated					
APPROVED FV						DRAWING NUMBER 6014-E					
DATE 2022-05-07						PROJECTION					
PART MASS 2743 g						SCALE 9:8					
APPLICATION SOLIDWORKS 2022						DO NOT SCALE					
3D SYSTEM						SHEET 1 of 1					
FILE						6014-E1					