



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	E3D-BKT-010	Extruder Motor Bracket, Attached the extruder motor and extruder add-ons to the frame
2	1	E3D-MTR-001	Stepper Motor, From Ivan on GrabCAD, Simple 42 mm stepper motor that runs all of the motion
3	1	E3D-BKT-011	Extruder Housing, From Creality's GitHub, Holds all of the extruder parts together
4	1	E3D-SCR-006	Extruder Gear, From Creality's GitHub, Grips onto the filament and feeds it through the hotend
5	1	E3D-BKT-012	Extruder Idle Tensioner, From Creality's Github, Adds tension on the extruder gear to assist with grip
6	1	E3D-SCR-002	Threaded Rod Nut, Connects threaded rod to X-Axis/Extruder plate for vertical movement
7	1	E3D-SPC-005	Extrusion Spring, From Creality's GitHub, Adds tension to the idle tensioner to help with grip
8	1	E3D-PHR-007	Pneumatic Joint, From Creality's GitHub, Holds onto both ends of the PTFE tubing
9	1	BS 4168 - M3 x 16	Hexagon socket countersunk and button head screws - Metric series
10	4	ISO 7380-1 - M3 x 6	Hexagon Socket Button Head Screw - Product grade A
11	1	BS EN ISO 4762 - M3 x 12	Hexagon Socket Head Cap Screw
12	1	ISO 104 - 0 70 - 4 x 12 x 4	Rolling bearing-Thrust bearing(Single Direction)
13	1	BS EN ISO 4762 - M3 x 6	Hexagon Socket Head Cap Screw

DRAWN Richard Malstrom	4/26/2025	Pennwest California		
CHECKED		TITLE		
QA		Extruder Exploded View		
MFG				
APPROVED				
		SIZE B	DWG NO E3D-ASM-004	REV 1
		SCALE 1 : 1	SHEET 1 OF 1	