

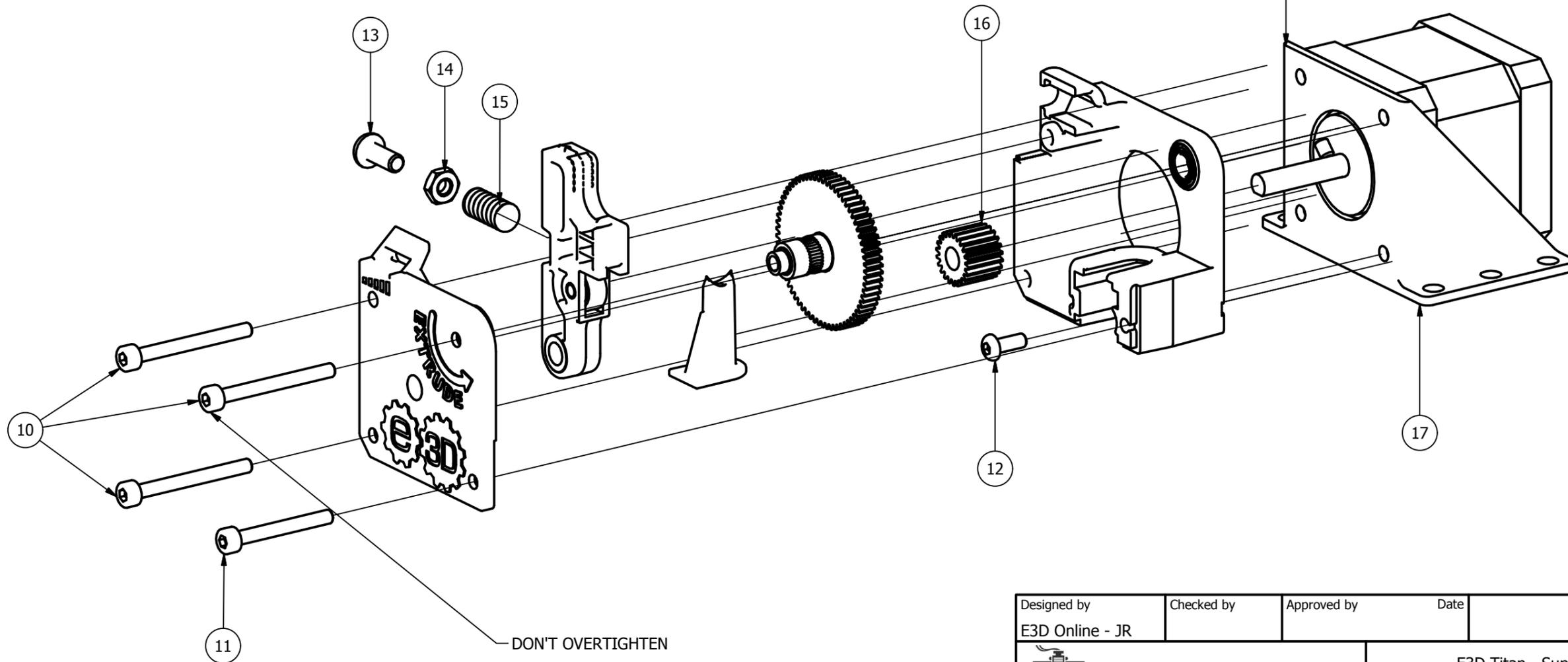
ASSEMBLY OVERVIEW

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
10	3	M3 x 30	M3 x 30 Low Head Socket Cap Screw
11	1	M3 x 25	M3 x 25 Low Head Socket Cap Screw
12	1	M3 x 8	M3 x 8 Dome Head Socket Cap Screw
13	1	M4 x 10	M4 x 10 Dome Head Socket Cap Screw
14	1	M4 Hex Nut	M4 Hex Nut
15	1	EX_SPRING	Extruder Idler Spring
16	1	EX_PINION	Extruder Pinion Gear (Steel)
17	1	EX_BRACKET	Extruder Bracket - Printed Example

NOTE: THESE DRAWINGS ARE FOR REFERENCE ONLY.
 REFER TO http://wiki.e3d-online.com/wiki/Titan_Assembly FOR ASSEMBLY INFORMATION

NOTE: A SPACER IS ALWAYS REQUIRED

1. THICKNESS: 2 MIN - 4.5 MAX
2. MAX ASSUMES MOTOR SHAFT LENGTH 22.2
3. SUPPLIED FIXINGS FOR THICKNESS OF 2

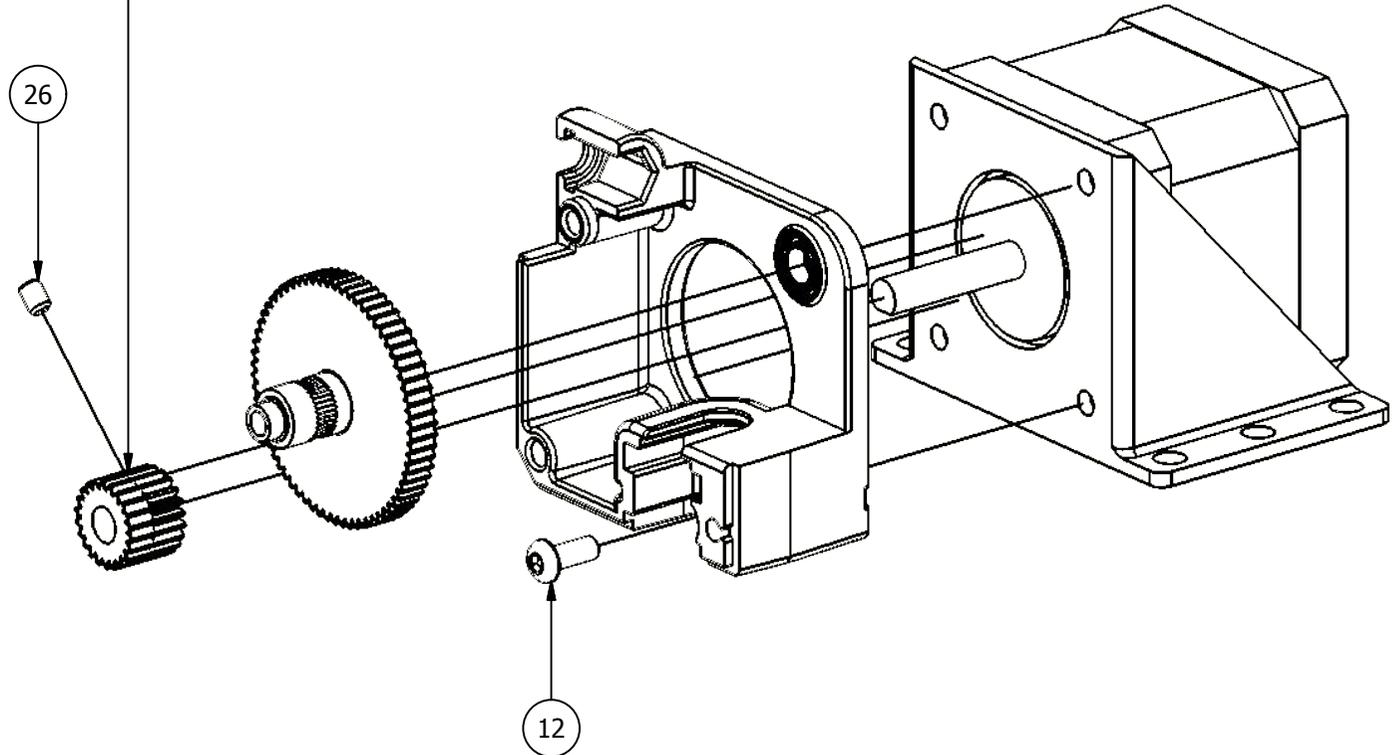


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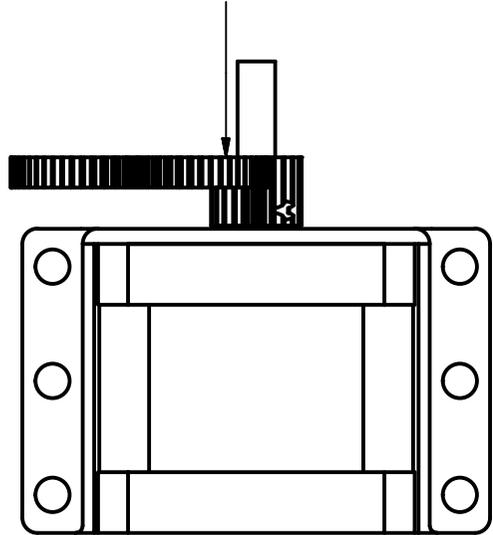
ASSEMBLY STEPS 1-4

NOTE:
The gear must go on the correct way around.
The grub screw hole must be towards the motor face.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
12	1	M3 x 8	M3 x 8 Dome Head Socket Cap Screw
26	1	M3 x 4 Grub Screw	M3 x 4 Socket Set Screw



THE TOP SURFACES OF THE TWO GEARS MUST BE FLUSH
ADJUST THE PINION ACCORDINGLY



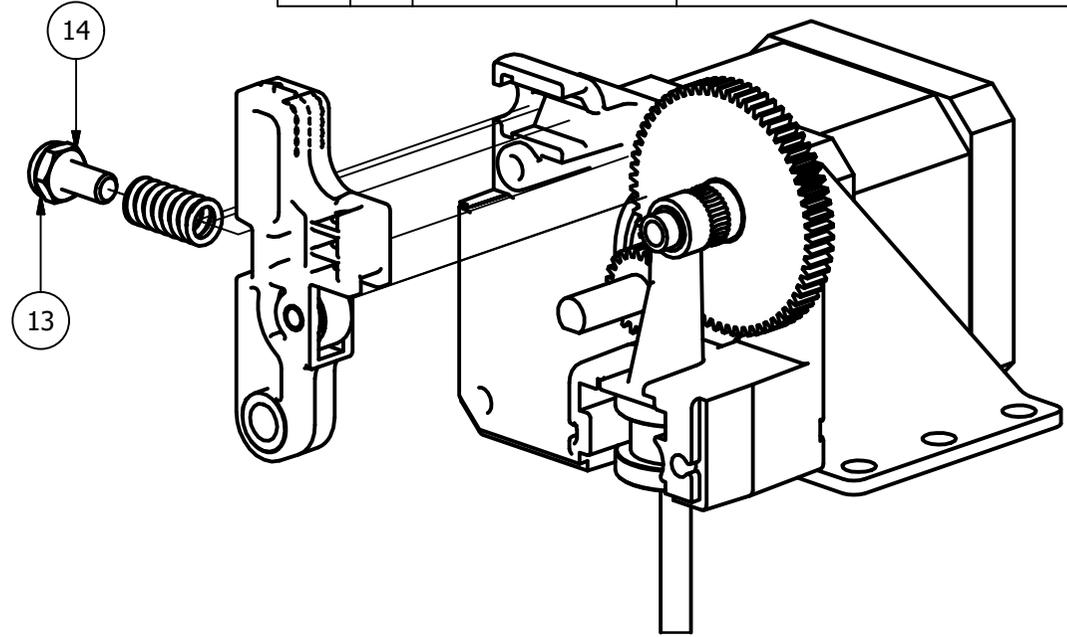
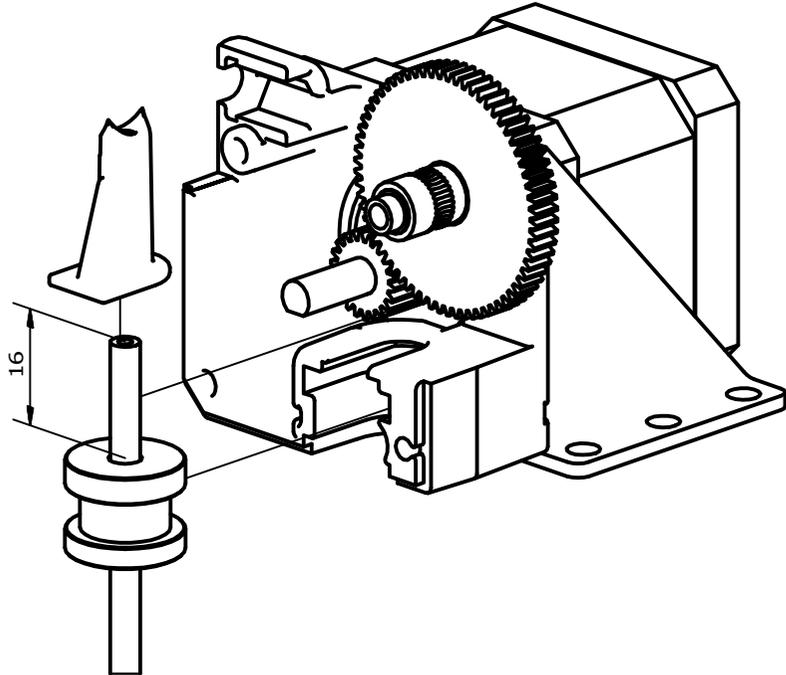
Assembly Steps:

1. Present motor up to mounting bracket.
2. Present body to mounting bracket and install the M3 x 8 Screw to hold the body in place
3. Fit the small pinion gear onto the motor shaft.
Fit the large gear into the bearing on the body and use this to set the position of the pinion gear.
4. Tighten up the grub screw on the pinion gear.

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ASSEMBLY STEPS 5-8

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
14	1	M4 Hex Nut	M4 Hex Nut
13	1	M4 x 10	M4 x 10 Dome Head Socket Cap Screw
27	1	PTFE	



Assembly Steps:

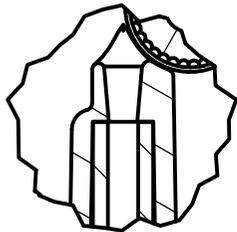
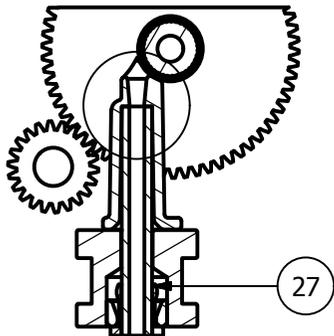
5. Install the filament guide and HotEnd into the extruder body. For the 1.75mm version, make sure the PTFE goes all the way up into the filament guide. See cutout below. Rotate the HotEnd if necessary to insert.

Note: The diagram shows a bowden adaptor for a bowden setup, if you are using a direct, there will be a HotEnd in place of this part.

Assembly Steps:

6. Slide the lever onto the motor shaft.
7. Screw the M4 Nut fully onto the M4 x 10 Screw
8. Slide the spring onto the screw and insert the assembly into the slot as shown.

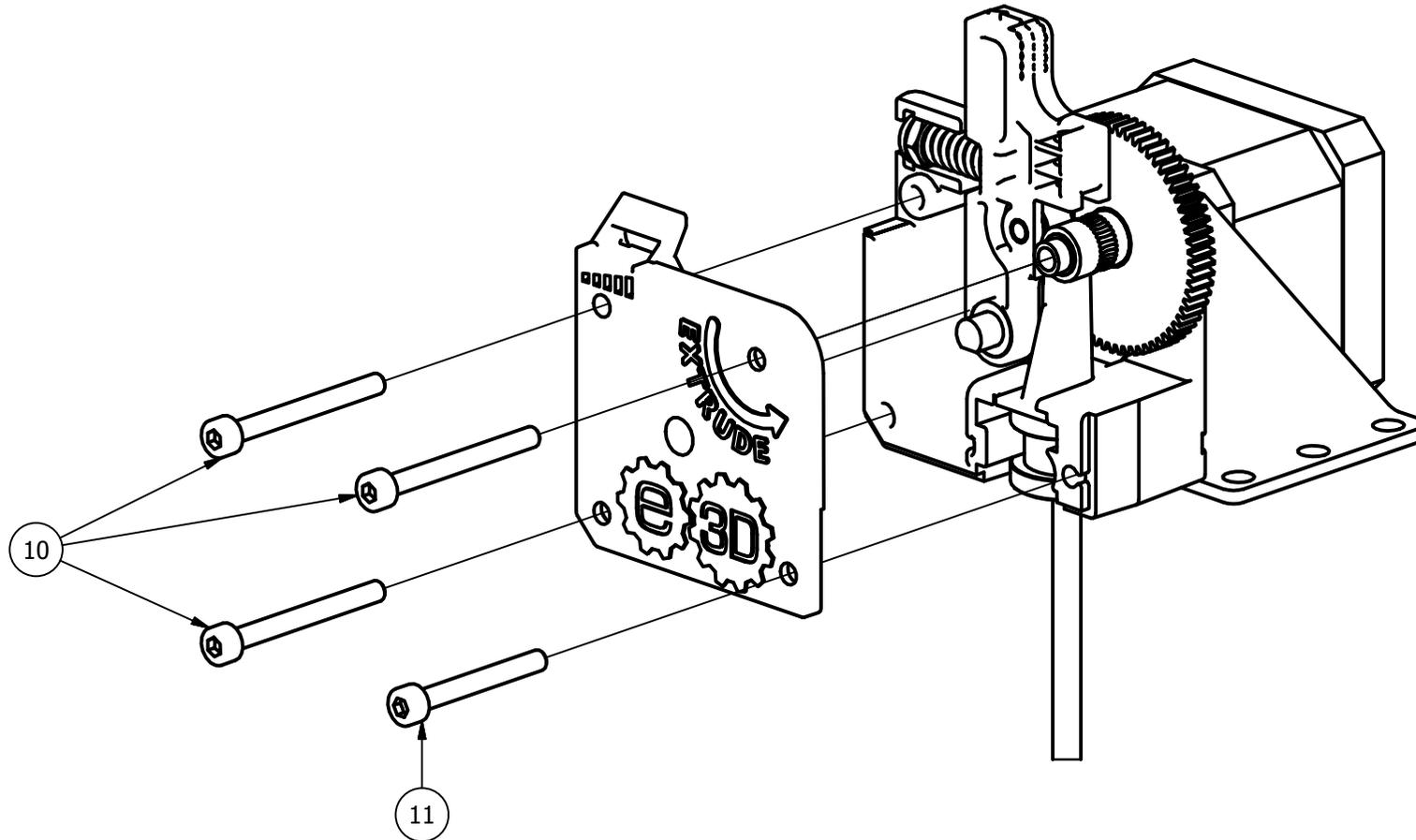
Note: This bit is fiddly. Don't add any tension to the spring, it will fly across the room to be lost forever.



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ASSEMBLY STEP 9

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
10	3	M3 x 30	M3 x 30 Low Head Socket Cap Screw
11	1	M3 x 25	M3 x 25 Low Head Socket Cap Screw

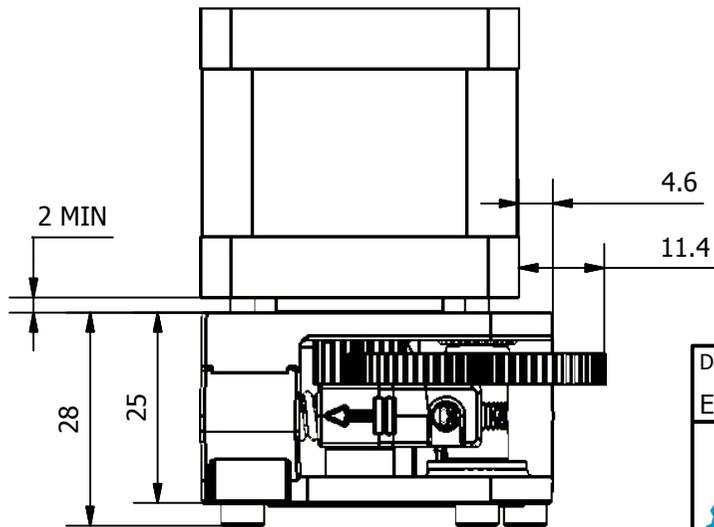
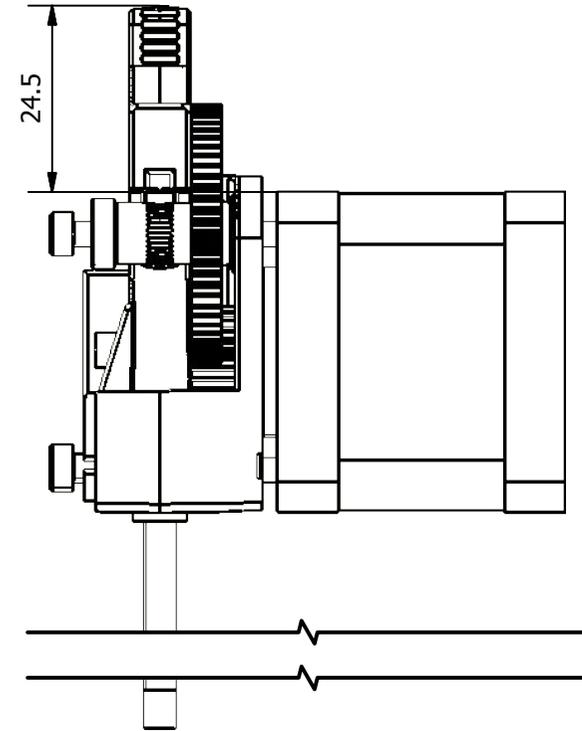
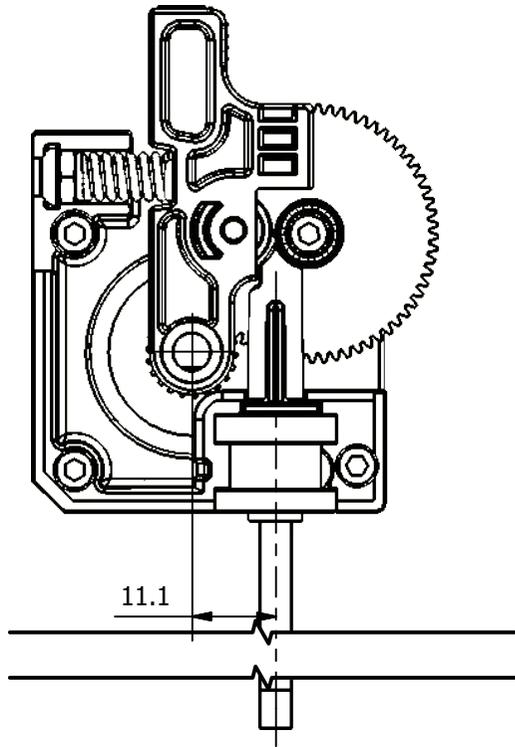


Assembly Steps:

- The lid is held on with 4 screws. Note the bottom right screw is shorter than the others.

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TITAN EXTRENAL DIM'S



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