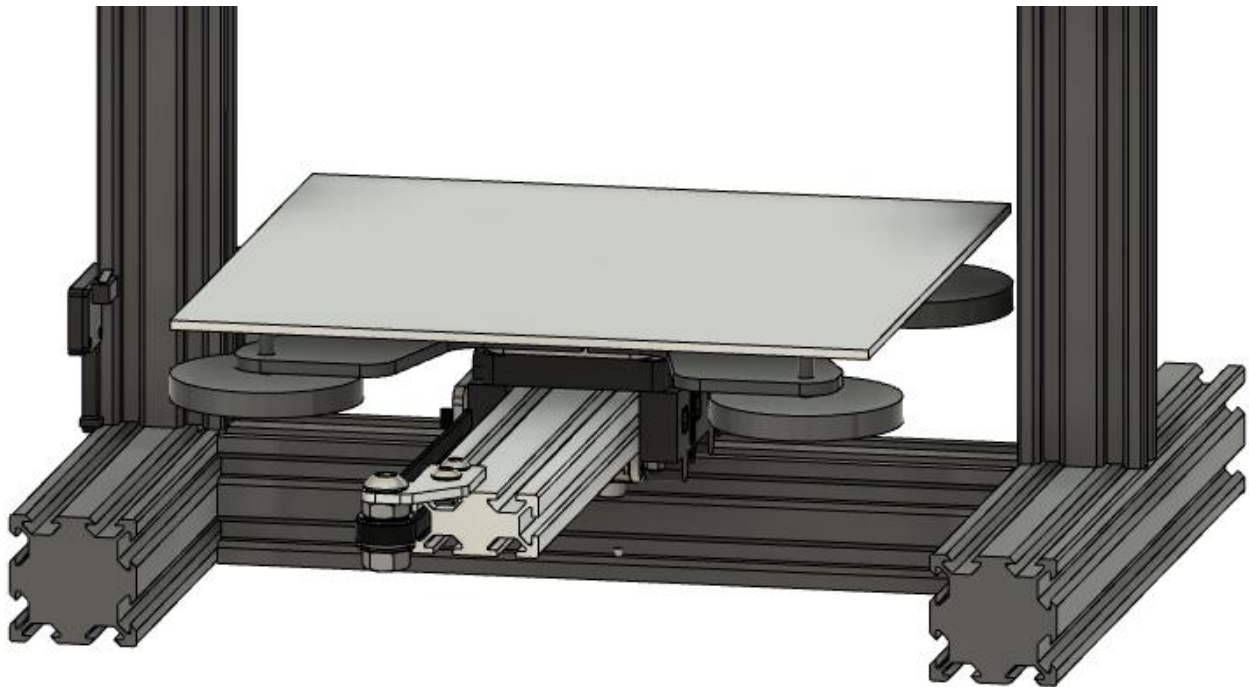


Build Guide - Ender 3 Y (Bed) ExoSlide Motion Kit

1/18/20



www.exoslide.com

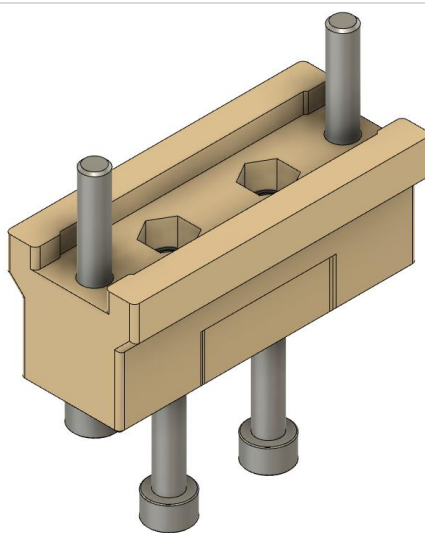
0. Parts removal and prep:

- Remove the front Y belt Idler and bracket
- Remove the rear Y belt motor and bracket – set aside the motor to re-use
- Remove the rear Y endstop – set aside to re-use
- Loosen all the bed hand adjusters, and remove the heated bed plate – set aside to re-use
- Loosen the V-wheels, and remove the bed carrier plate – set aside the carrier plate to re-use
- Remove the 2040 or 4040 (Pro) Y bed extrusion.

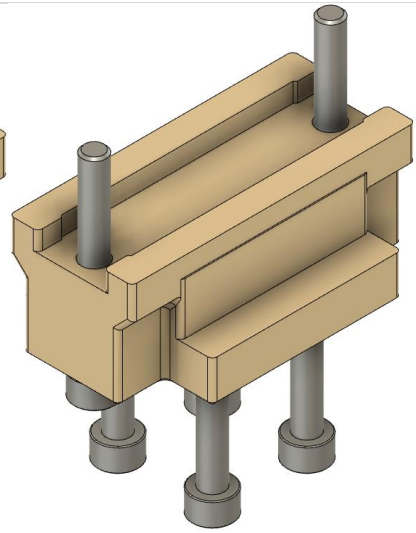
1. Bed Rail Mounting:

Parts Needed:

- Printed bed mount, 1x
- M5x40 bolt, 4x (Pro 6x)
- M5 nylock nut, 2x (non-Pro)
- 2040 Extrusion, 1x



Ender 3 (non-Pro)



Ender 3 Pro



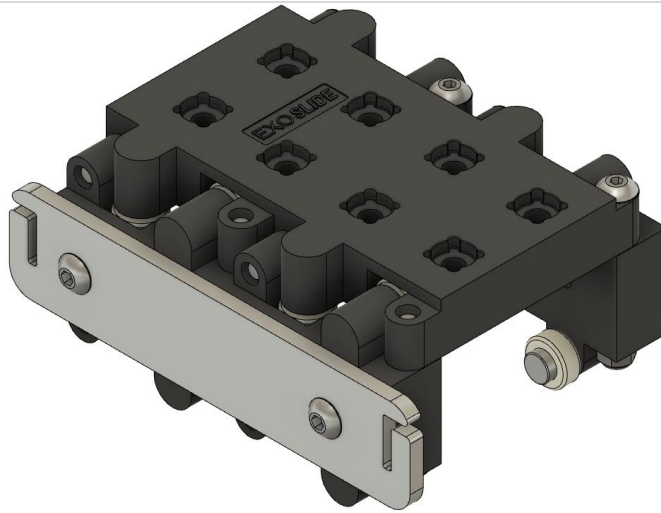
Notes:

- Install the bed mount on the frame then the 2040 extrusion on top, using the M5x40 bolts.
- For the Ender 3 (non-Pro), install the captured M5 nylock nuts into the mount first.
- Do not overtighten the bolts!

2. Carriage Assembly:

Parts Needed:

ExoSlide 20P, 2x
ExoSlide 40P, 1x
Belt Y Bracket, 1x
M4x18 bolt, 2x
M4x30 bolt, 2x
M4x35 bolt, 2x
M4x60 bolt, 2x
M4 nylock nut, 2x



Notes:

- Tighten the six M4 bolts down firmly that secure the three ExoSlides together.
- The two M4x14 bolts are for the Belt Y Bracket.

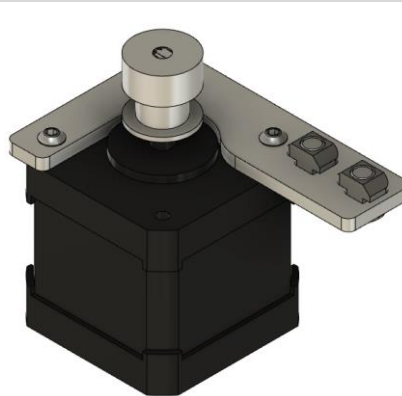
3. Motor Bracket Assembly:

Parts Needed:

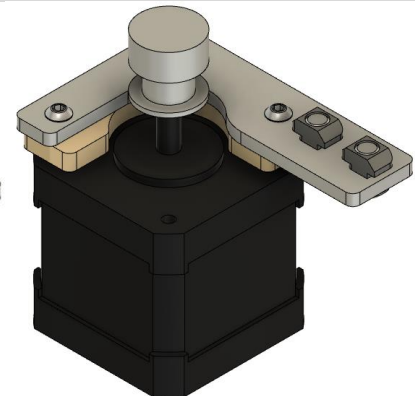
Motor bracket, 1x
M3x6 bolt, 3x
M5x8 bolt, 2x
M5 T nut, 2x
Printed motor spacer, 1x
(only for the Pro)

Re-use:

Motor, pulley



Ender 3 (non-Pro)

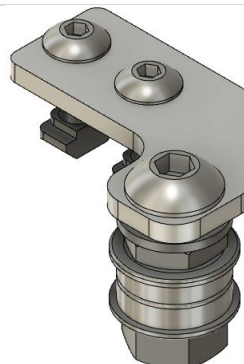


Ender 3 Pro

4. Idler Bracket Assembly:

Parts Needed:

Idler bracket, 1x
MF688 bearings, 2x
M5x8 bolts, 2x
M5 T nut, 2x
M8x25 bolt, 1x
M8 nut, 1x
M8 jam nut, 1x
M8 washer, 1x



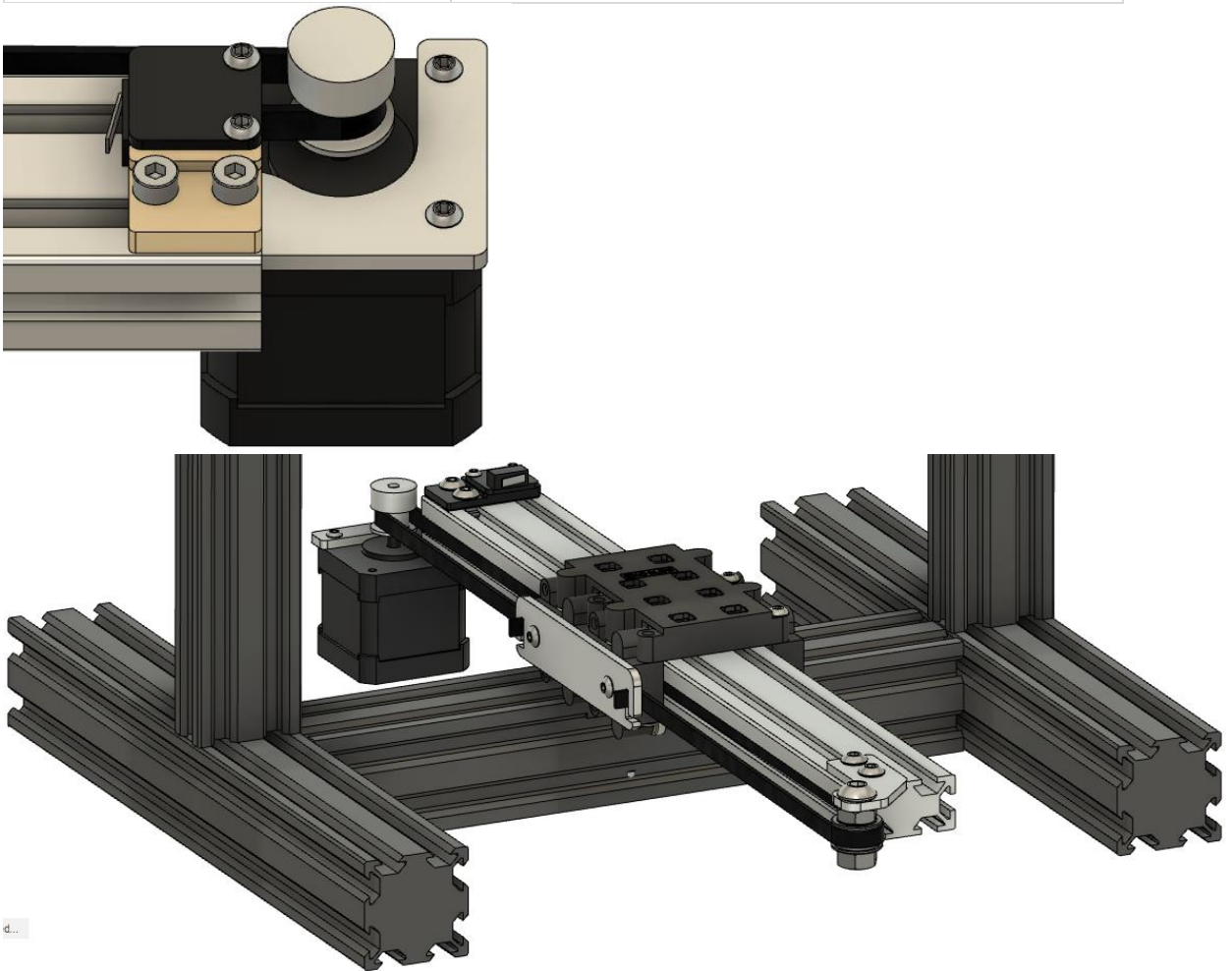
5. Gantry Assembly:

Parts Needed:

Motor bracket assembly, 1x
Idler bracket assembly, 1x
Carriage assembly, 1x
Belt, 1x
Printed end-stop, 1x (when
installing only the Y ExoSlide kit)

Re-use:

End-stop assembly (when installing
XY ExoSlide kit as well)



Notes:

- Install the carriage assembly first, then the other assemblies.
- Tension the belt with the idler assembly.
- If only installing the Y ExoSlide kit, install the printed end-stop bracket (to clear bed plate of the next step)

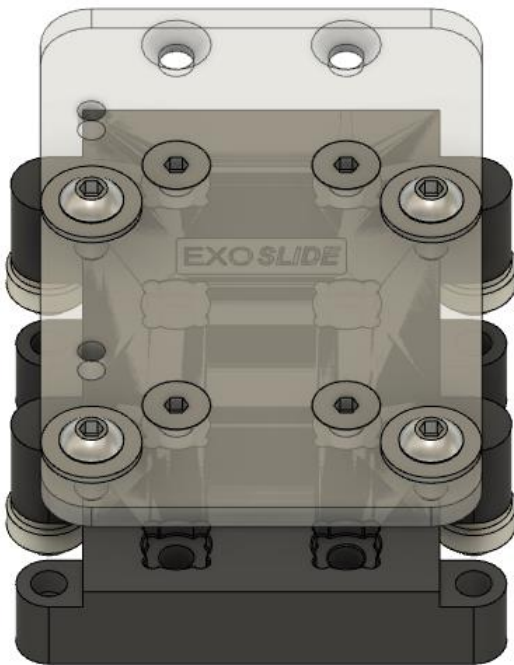
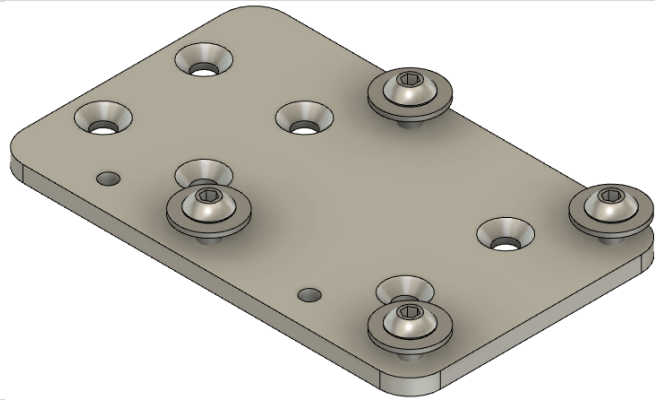
6. Bed Plate Assembly:

Parts Needed:

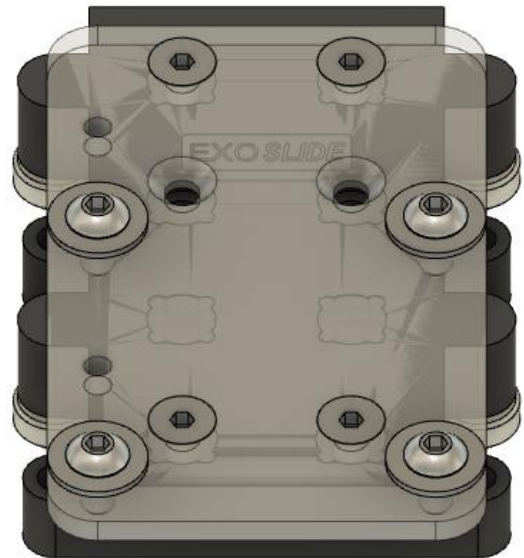
Bed mount bracket, 1x
M4x14 flat head bolt, 4x
M4x8 bolt, 4x
M4 fender washer, 4x

Re-use:

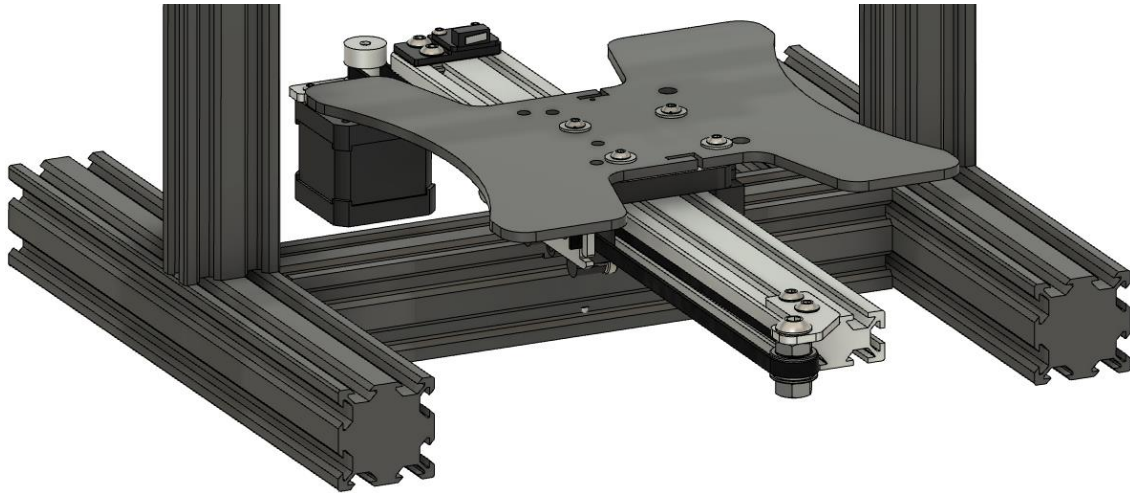
Bed plate



A: Mounting when only Y ExoSlide kit installed



B: Mounting with both Y and XZ Exoslide kits



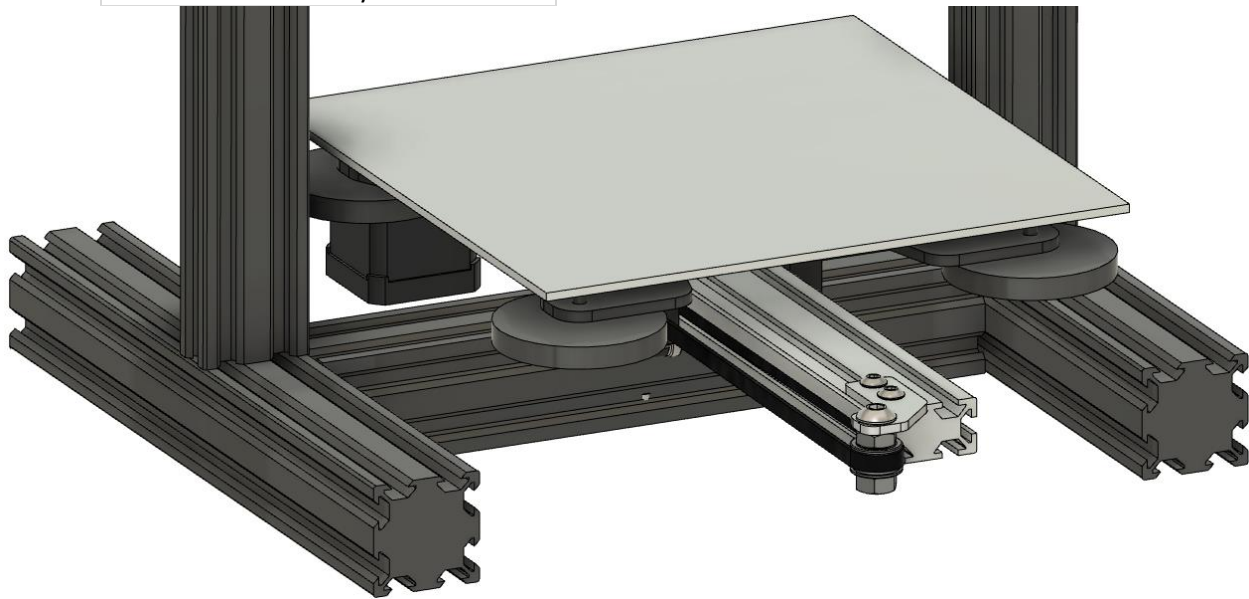
Notes:

- Install the bed mount bracket on the top ExoSlide with then four M4x14 flat head bolts.
- Install the bed plate using M4x8 bolts with fender washers.

7. Motion Assembly:

Re-use:

Heated bed assembly



Notes:

- Install and level the bed.
- Make cool stuff!