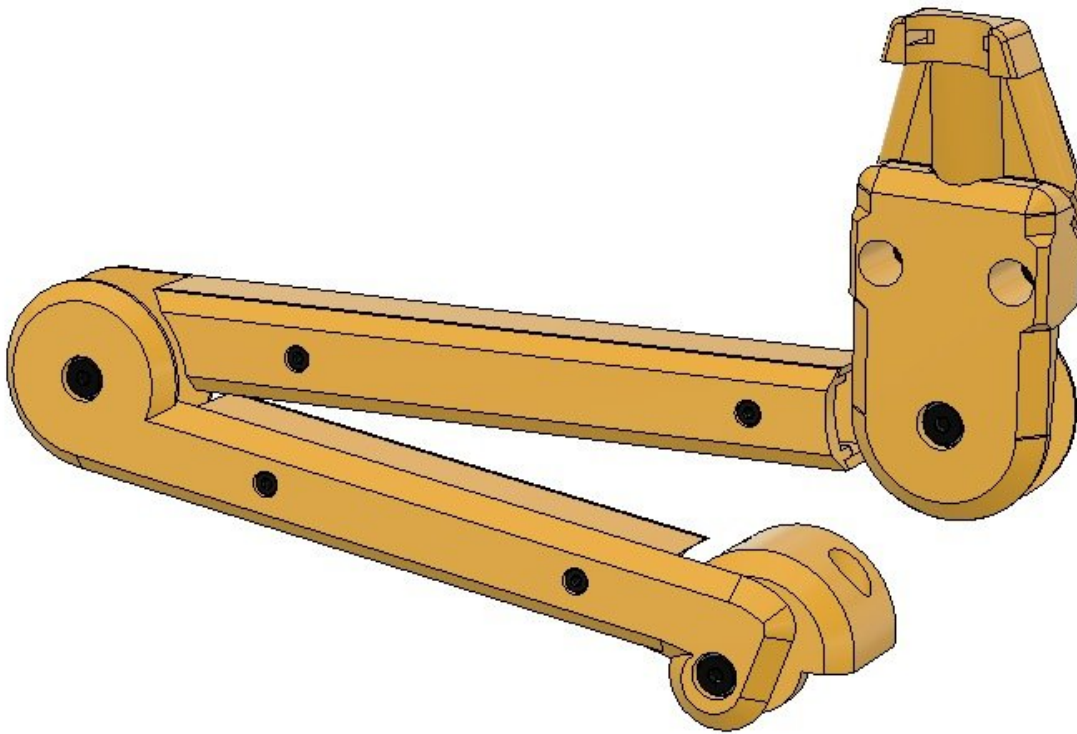


zaribo

08 | Z Axis Cable Management

Written By: ZARIBO



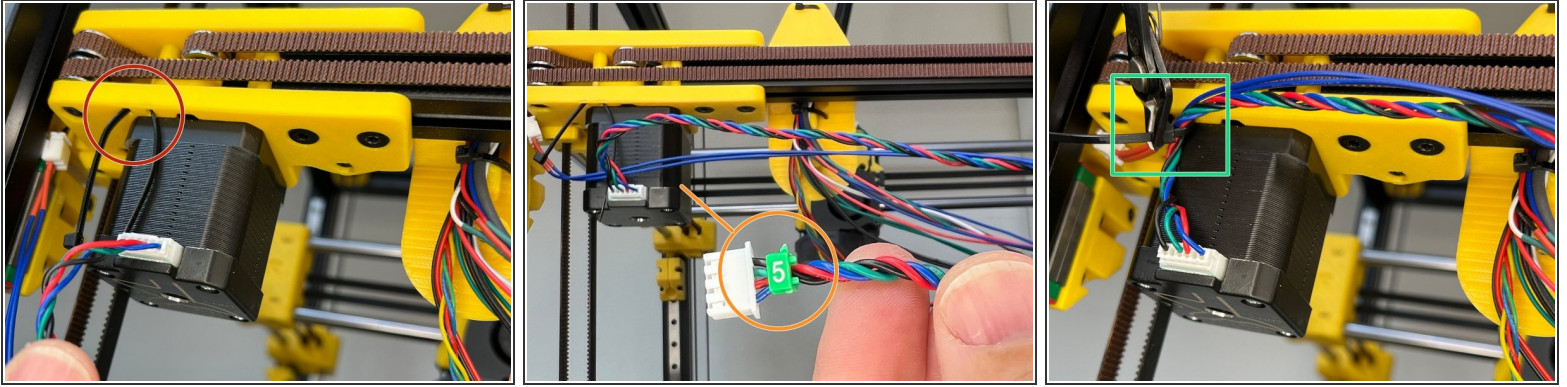
Step 1 — Placing Nuts



i Before starting, please insert the nuts to make them ready for the assembly.

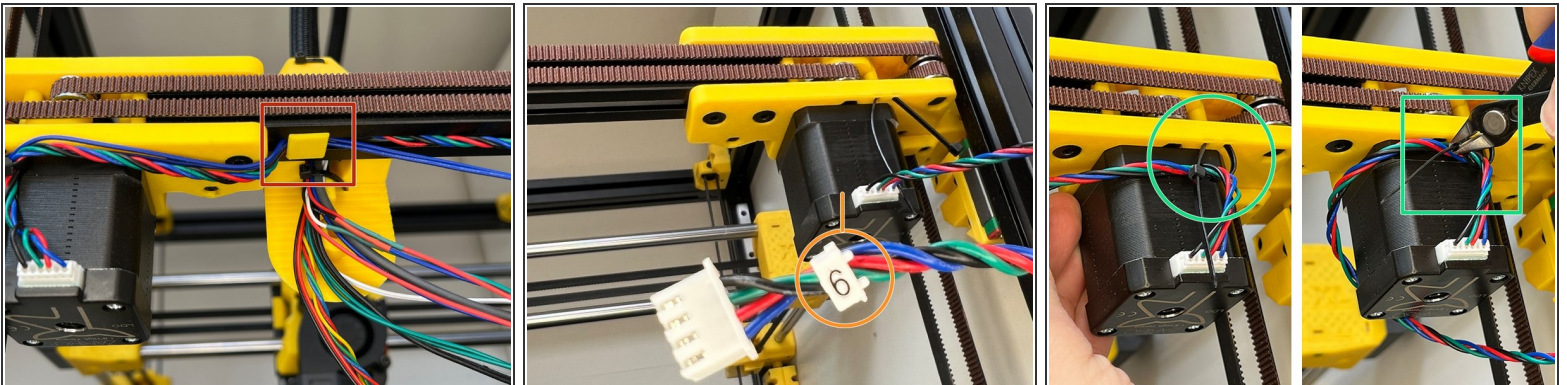
- Find the part labelled as Z06 and place two **M3 Hex Nuts** at the back. Push them all the way in with an M3 Screw if necessary. *If you don't push them all in the screw might not be able to reach the nut later. The picture showing front and back view of the Z06 part*
- Place two **M5 Nylock Nuts** in the centres.
- Find the part labelled as **Z04** and place two **M3 Hex Nuts**. Again, push them all the way in with an M3 screw. *The picture showing front and back view of the Z04 part*
- Insert an M5 Nylock Nut to the slot on the bottom mount of the Z Cable Lift. This part is going to be mounted to the back bottom 3030 extrusion on the frame.
- Insert two **M6 x 12 mm Screws** and screw the **M6 3030 Drop-in T-Nuts**.

Step 2 — A Motor and Endstop Cables



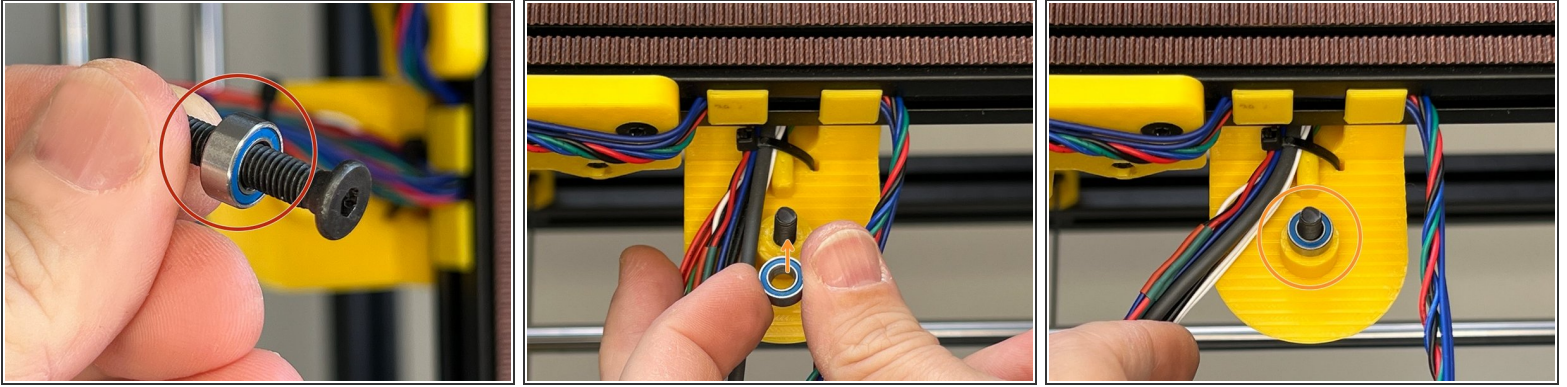
- Insert a Zip Tie to the slot on the A Carriage Part (A BOT).
- Label the motor cable as **5** for the A Motor.
- Tighten the zip tie around the sensor cable and motor cable. Trim the excess zip tie.

Step 3 — AB Motor Cables



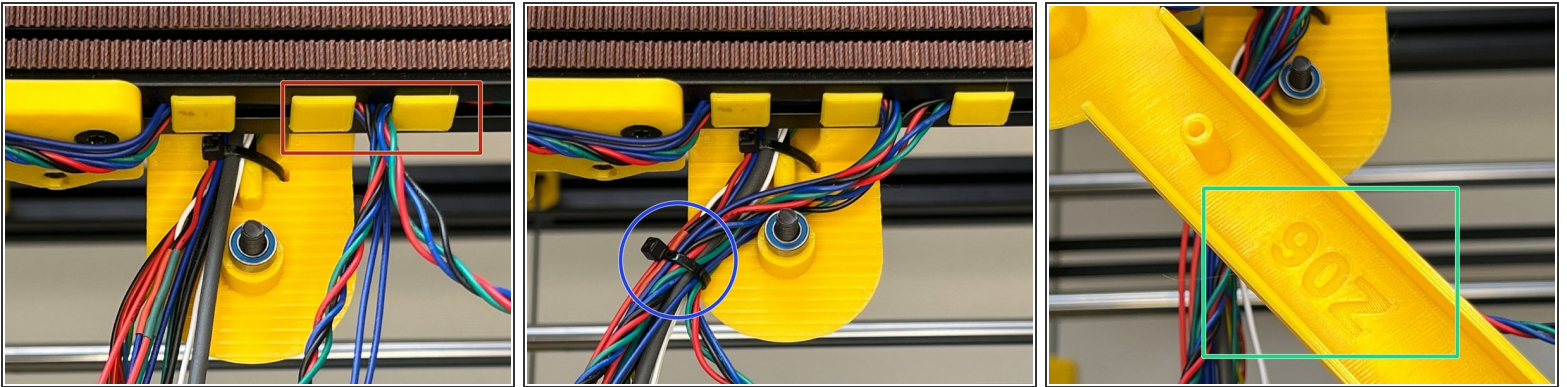
- Insert the sensor and motor cable to 2020 Extrusion Canal and fix them with a 2020 Cable Clip.
- Label the B Motor cable as 6.
- Insert a Zip Tie into the slot on the B BOT part, tighten the zip tie around the motor cable and tighten. Trim the excess zip tie.

Step 4



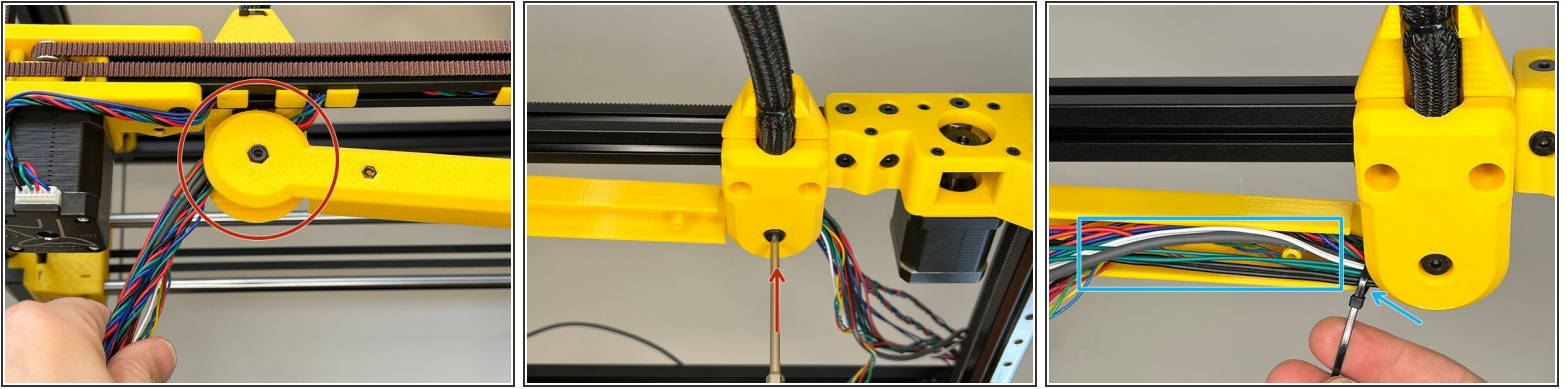
- Slide an **mr105zz Bearing** on the **M5 x 25 mm Ultra-Low Head** screw.
- Insert the M5 screw to the centre of the Z Lift Top Holder. Insert a secondary **mr105zz Bearing** and prepare for the joint. One bearing behind one bearing front, total 2 bearings for each joint.

Step 5



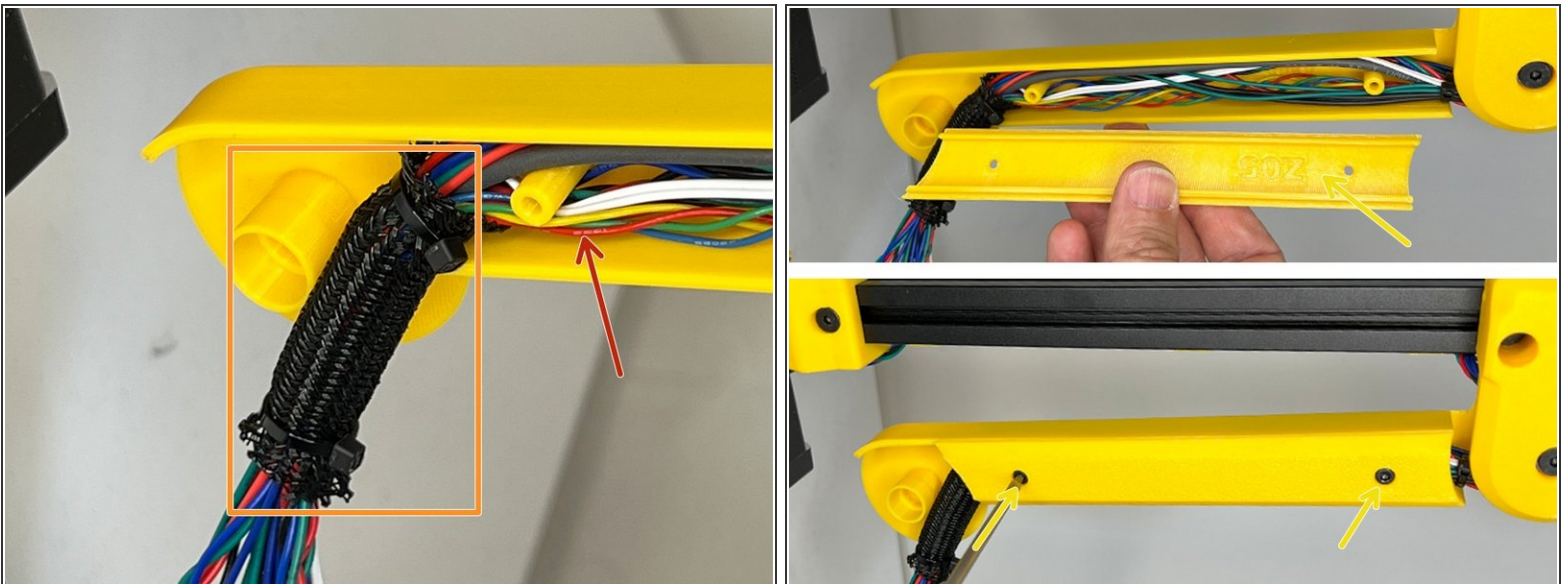
- Tuck in the B Motor cable in the 2020 extrusion canal and bring it next to the A Motor and endstop cables.
- Collect the cables with a zip tie.
- Find the part labelled as Z06.

Step 6



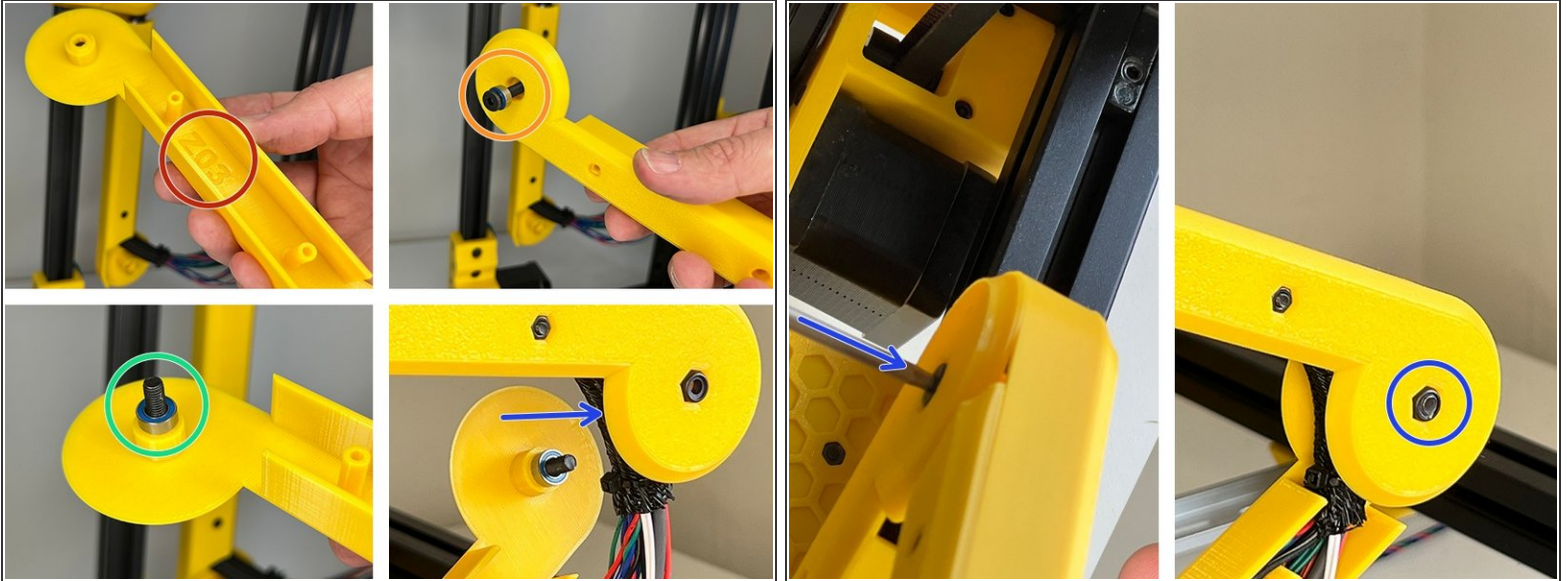
- Place the smaller wheel by centring with the M5 screw and tighten the screw. (Tightening a nylock nut will be harder than a regular nut). The bearings will keep the joint fluent and will prevent the screw from loosening in time.
- Use a zip tie and tuck in the cable harness by dividing it into two equal portions after the zip tie.

Step 7



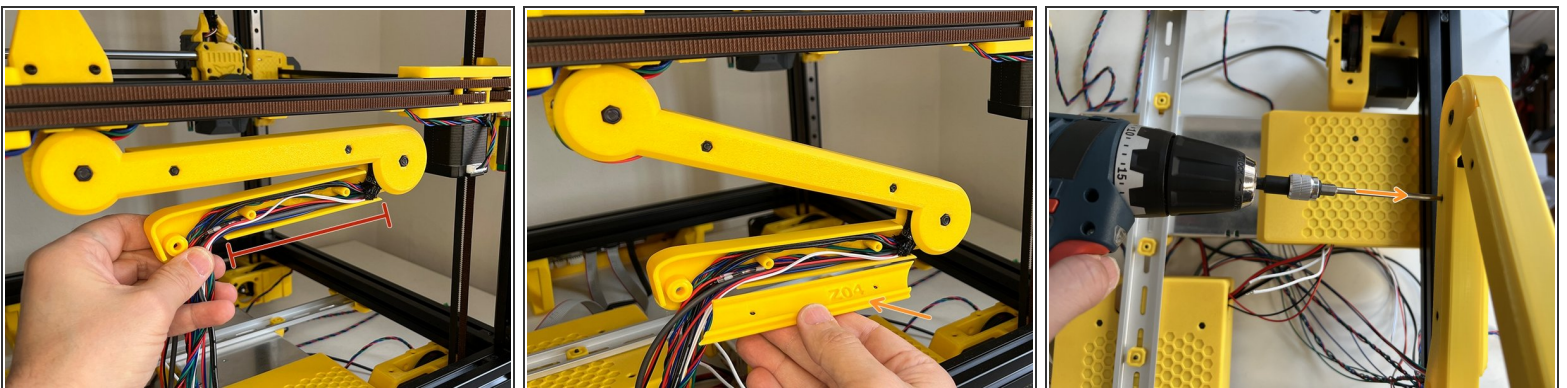
- Divide the cable harness equally and tuck them in.
- You can use a 5cm cable sleeve and zip tie it from both ends.
- Find the part labelled as **Z05** and cover the arm and affix with two **M3 x 22 mm Screws**.

Step 8



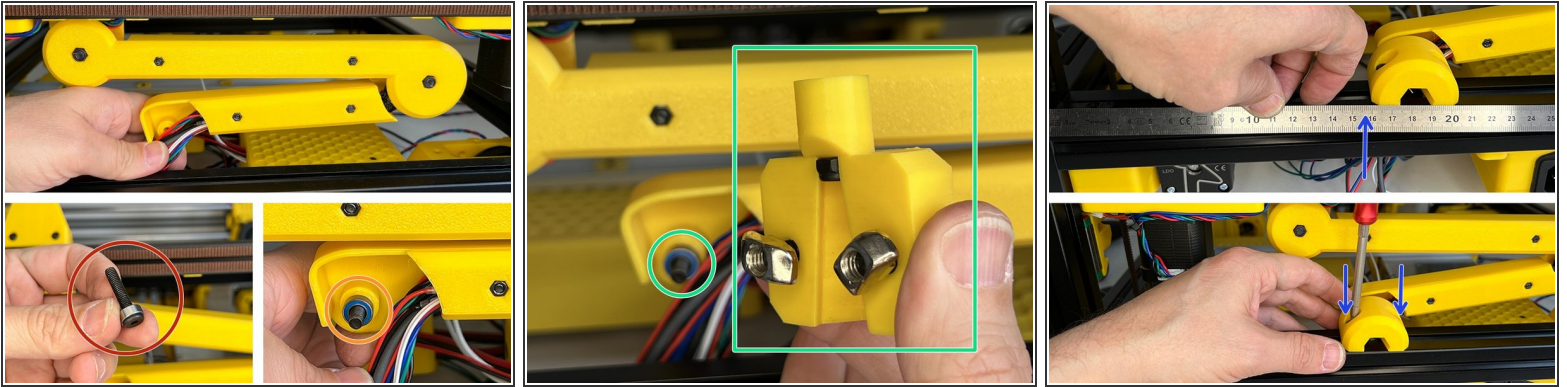
- Find the part labelled as **Z03**.
- Insert an **mr105zz Bearing** on the **M5 x 25 Ultra Low Head screw** and push it in the centre of the part.
- Place another **mr105zz Bearing** on the other side.
- Fixate the joint and tighten the M5 screw.

Step 9



- Tuck in the cables.
- Find the part labelled as **Z04** to cover the arm and use two **M3 x 22 mm Screws** to affix.

Step 10



- Slide an **mr105xx Bearing** onto the **M5 x 25 mm Ultra-Low Head Screw** .
- Insert the M5 screw to the centre and insert another **mr105zz Bearing** for the joint.
- Affix the Z Cable Lift Bottom attachment.
- The bottom mount should be at a 16 cm distance from the left. Tighten the M6 x 12 Screws and ensure the drop-in T-Nuts are free to move within the canal.