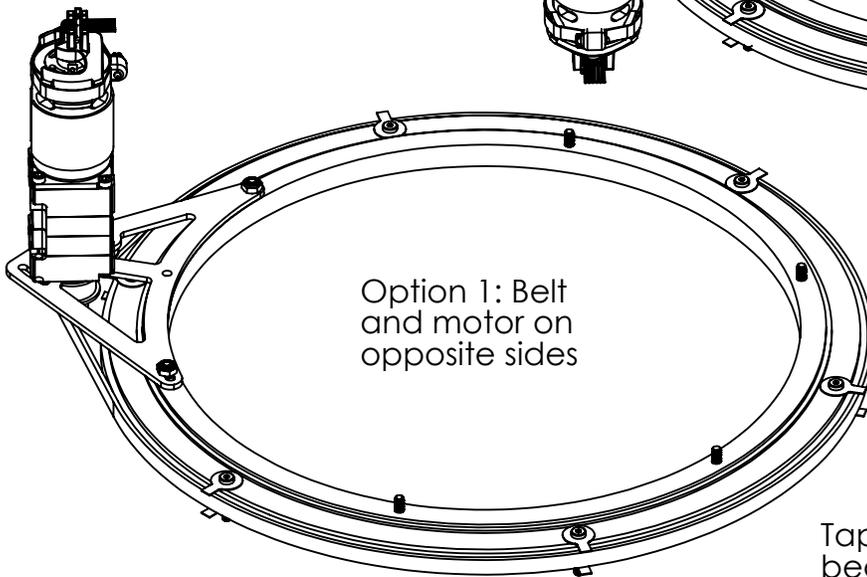
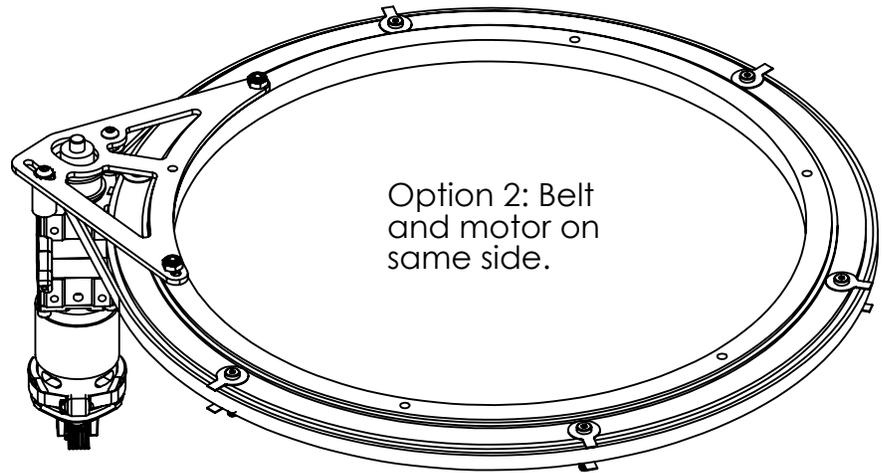


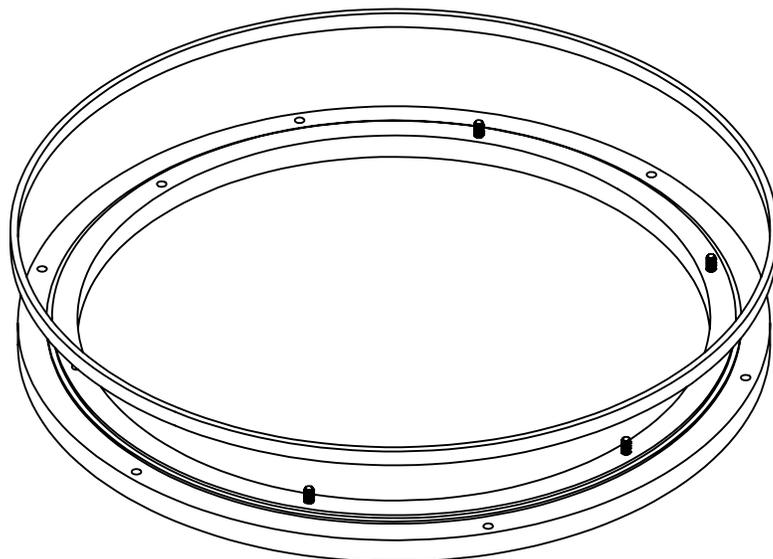
ARMABOT

Turret Drive P/N A0063 Installation Instructions



1: Install belt on bearing (options 1 and 2)

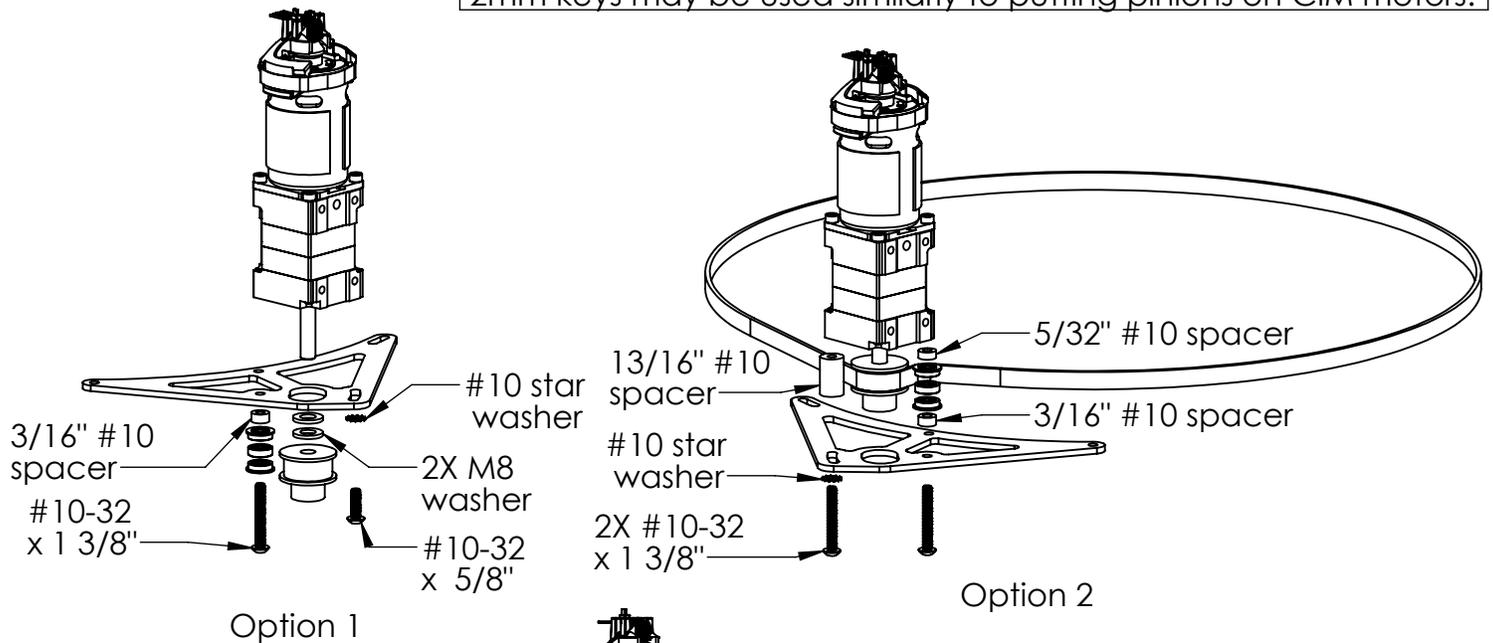
Tape one edge of tension strip onto bearing. Wrap tension strip around bearing tightly and cut 1/8" away from the first edge. Tape 2nd edge to the first edge tightly so no slop is in the tension strip.



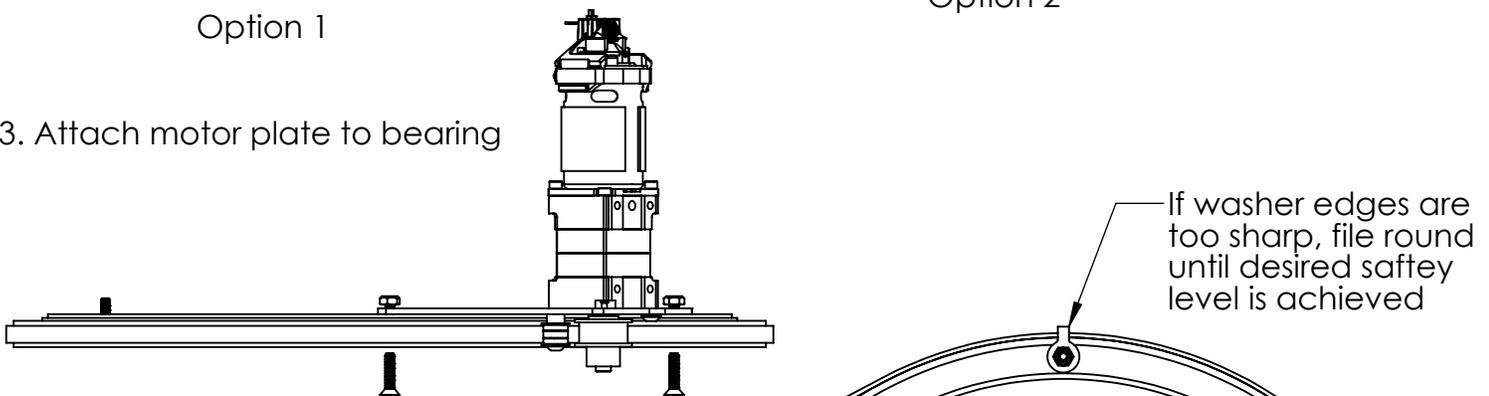
Take the 254 tooth belt and flip inside out so the teeth are facing outward. Route the belt along the tension strip starting at where the tension strip was taped to the bearing going equally in both directions. At the point where it gets difficult to put the belt on the bearing, pull the tension strip under the belt so that the belt and the tension strip are co-aligned the whole length of the belt. While holding both on the bearing, slowly move the belt and tension strip up onto the bearing together. At the end it will take a good amount of strength to push the belt and tension strip to the OD of the bearing.

2. Assemble motor plate

For higher-torque applications, the pulley can be keyed to prevent slipping on the shaft from using only the set screw. Using a 2mm key broach (McMaster Part #8805A11), and an 8mm bushing (McMaster #8804A71), a 2mm keyway can be cut, and 2mm keys may be used similarly to putting pinions on CIM motors.



3. Attach motor plate to bearing



Option 1 pictured. Same for option 2, make sure plate attaches to inner race without rubbing when the bearing spins.

4. Route belt

Loosen gearbox mounting screw with star washer and rotate gearbox inboard to allow slipping the belt on. Place it over the pulley, lazy susan, and idler as shown. Turn the gearbox outward to tension belt and retighten mounting screw.

The pictured tab washers keep the belt from slipping off. After the belt is routed, bolt them on as shown, or add them to the stackup on both sides of the bearing in your application. They are .020" thick. #10 Low profile socket head screws are required for adequate clearance under the motor plate. 1" long screws are included, which leave 0.25" for custom mounting.

