User Guide
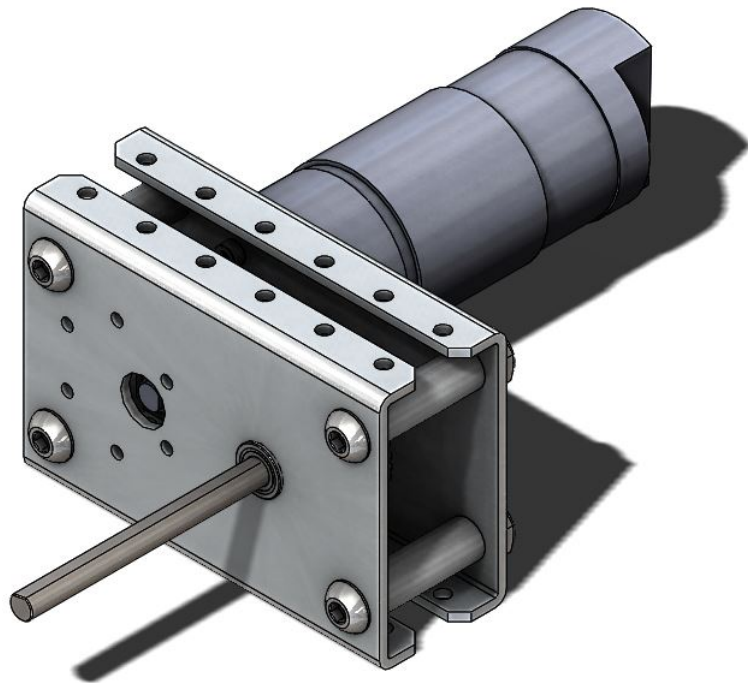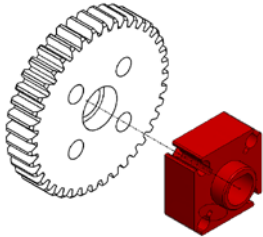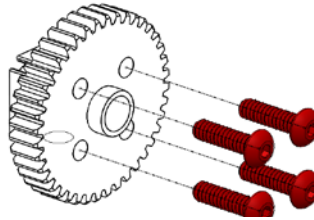
PicoBox Uno

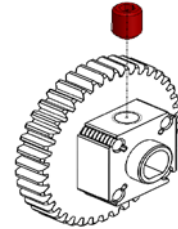# PicoBox Uno (am-3447)

Gear Assembly (QTY 2)

Step 1: Install a 6mm D-Bore Double Boss Nub (am-3215) on a 40T gear (am-3407)

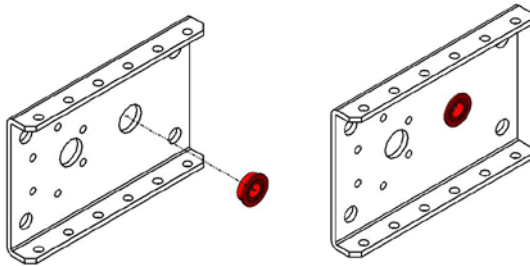**Step 2**: Use four 6-32 x 0.500" long Button Head Screws (am-1418.) to attach the gear to the nub.

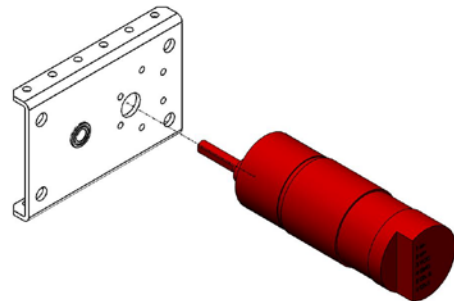**Step 3**: Thread a10-32 Set Screw (am-1342) partially into the nub.

2X

Step 1: Press a 6x12x4 Flanged Bearing (am-3377) into the center 12mm hole of a PicoBox Uno gearbox plate (am-3423).
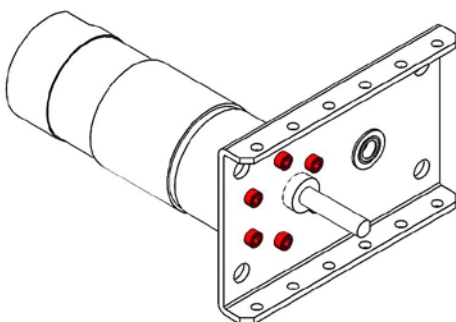
Step 2: Insert a NeveRest motor into the remaining 12mm holes of the PicoBox Uno gearbox plate, opposite of the flanges on the gearbox, and line up the threaded holes on the end of the motor with the bolt-circle holes of the gearbox plate.
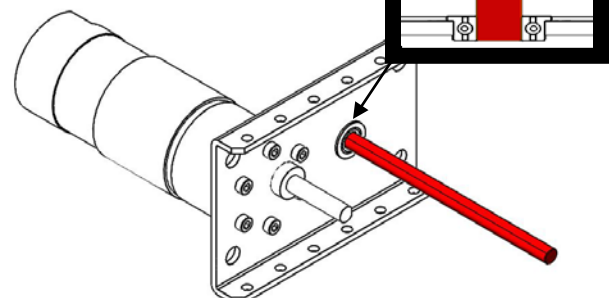
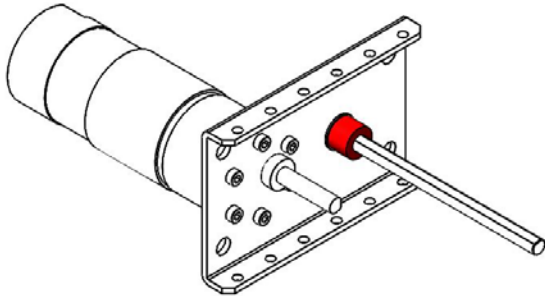*NOTE: Make sure the flange of the bearing is flush against the sheet metal of the gearbox plate.*

Step 3: Install six M3-0.5 x 6mm long socket head screws (am-1254) in each NeveRest motor to secure it to the gearbox plate.
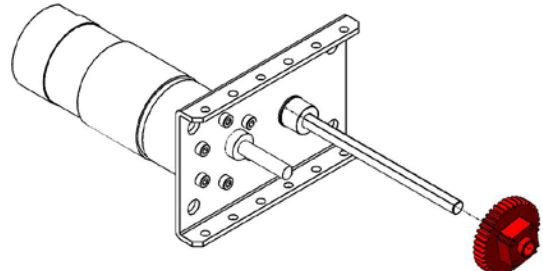
Step 4: Install the 6mm D-Shaft (am-3226-100) into the center bearing such that the end of the shaft is flush with the end of the bearing.
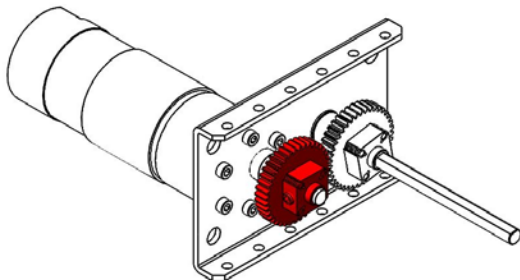
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Step 5: Install the 7mm long Aluminum Spacer (am-3426) on the center axle up against the previously installed bearing.
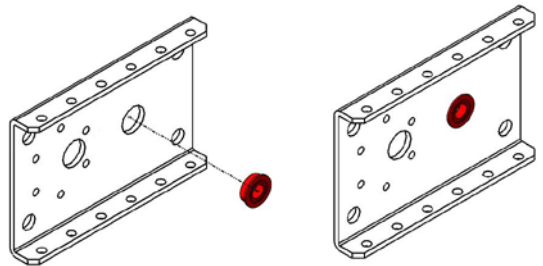

Step 6: Install one Gear Assemblies onto the center axle of the gearbox. Be sure to place the boss of the Gear against the spacer. Tighten the #10-32 set screw to lock the Gear Assembly in place.

Step 7: Install a Gear Assembly onto each of the NeveRest Motor shafts such that all of the gears in the Gear Assemblies are lined up. Tighten the #10-32 Set screws to lock all the gear assemblies in place.
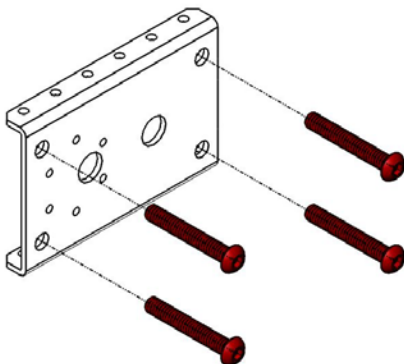

Step 1: Press a 6x12x4 Flanged Bearing (am-3377) into the center 12mm hole of a PicoBox Uno gearbox plate (am-3423).
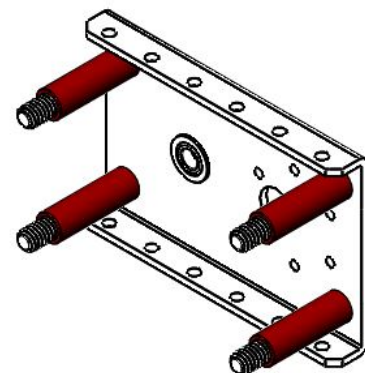

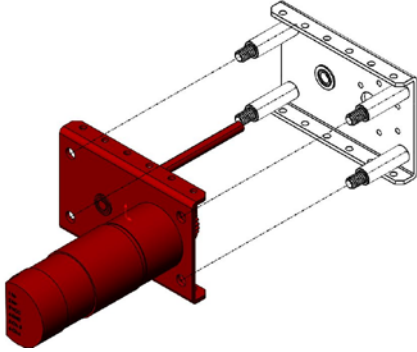*NOTE: Make sure the flange of the bearing is flush against the sheet metal of the gearbox plate.*

Step 9: Insert four 1/4-20 x 1.75" Button Head Screws (am-1420) into the side of the PicoBox Uno gearbox plate without the flange

Step 10: Place a PicoBox Spacer (am-3406) over all four 1/4-20 screws on the side of the PicoBox Uno gearbox plate with the flanges.

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Step 10: Insert the Center Axle of the Gearbox Assembly into the center bearing on the PicoBox Uno gearbox plate. Align the four 1/4-20 screws with the 1/4" holes on the PicoBox Uno gearbox plate.

Step 10: Secure the gearbox together with four 1/4-20 Nylock Jam Nuts (am-1102)

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