

The REV Through Bore Encoder is specifically designed with the end user in mind, allowing teams to place sensors in the locations closest to the rotation that they wish to measure. Using the ¼” round insert allows teams to easily attach the Through Bore Encoder to the output shaft of the ToughBox Mini with the AM14U series kit of parts chassis. This guide is to show the process for attaching the Through Bore Encoder to the ToughBox Mini gearbox.

You will need:

- Cup of Hot Water
- Spoon or other instrument to use in hot water
- A Hammer
- Hot Glue Gun with Hot Glue OR Zipties
- Through Bore Encoder (REV-11-1271) with ¼ round insert

Pressing on ¼” Insert



Step 1
Locate a Cup of Hot Water and the ¼” round insert



Step 2
Drop the ¼” round insert into the hot water.

Step 3
Let the insert sit in the water for a minute or two



Step 4
Retrieve the insert from the hot water



Step 5
Press the insert onto the backshaft of the gearbox.

NOTE: You may need to hold this square while hammering on the shaft



Step 6
Hammer on the insert

Choose an attachment method and head to that section
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Hot Glue Attachment



Step 1

Take a hot glue gun and apply glue above the hex insert



Step 2

Take Through Bore Encoder and place REV Logo up on the gearbox and firmly press

Step 3

Let the glue sit in the water for a minute or two

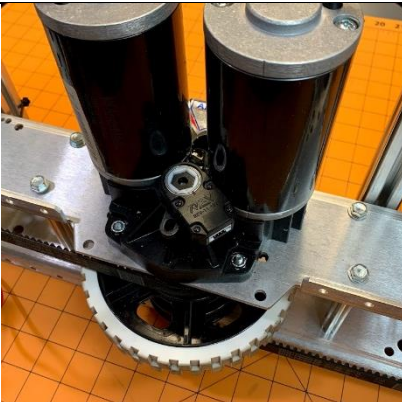


Step 4

Add more glue on top of the Through Bore Encoder wing

Step 5

Allow the glue to cool

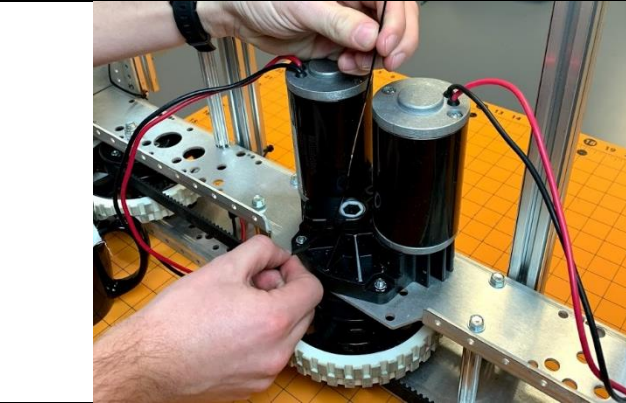


Step6
Finished

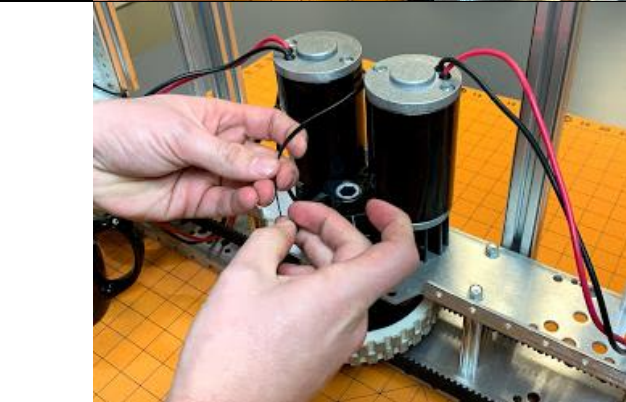
Zip Tie Attachment



Step 1
Take Through Bore Encoder and place REV Logo down on the gearbox.



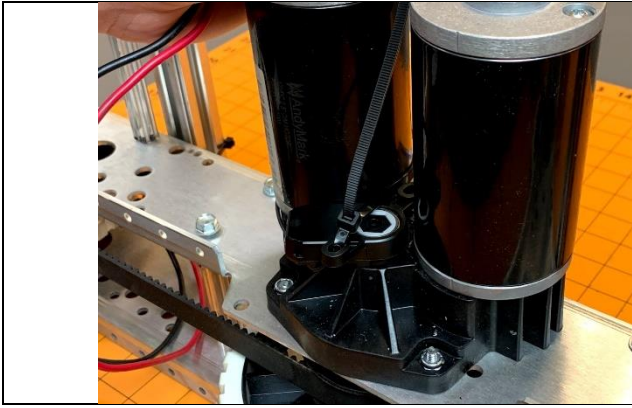
Step 2
Take Zip tie through the bottom wing of the Through Bore Encoder



Step 3
Wrap the ziptie around the motor and back to the case of the ziptie.



Step 4
Cinch the ziptie until secure



Step 5
Finished