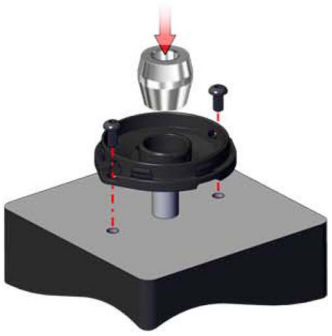
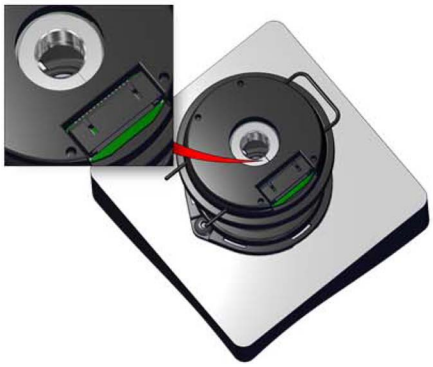
Step 1: Base Mounting

Slip base and then centering tool over the shaft. Press down on the centering tool to secure the base in an aligned position on the mounting/motor surface and tighten the two mounting screws. Remove the centering tool.



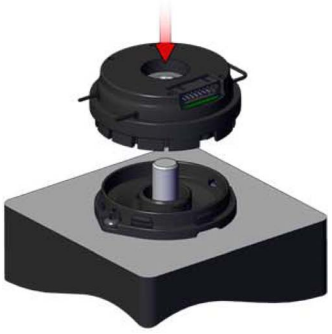
Note: If you require the encoder cable exit to be located more precisely than ±90° for a 4 pole motor, ±60° for a 6 pole motor or ±45° for an 8 pole motor then contact Anaheim Automation for information on how to do so.



Step 2: Assembled Encoder

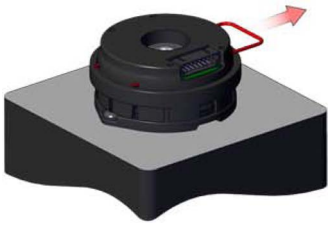
Align assembled encoder over the motor shaft so that the mark on the hub is oriented in the desired direction for cable exit. Press the encoder onto the shaft until it snaps down on the previously mounted base. (Press firmly near the cover through hole to ensure that the encoder gap is set.)

Caution: Do not press directly on the connector of the assembled encoder to avoid any damage to the connector shroud.



Step 3: Spacer Tool Removal

Remove the encoder spacer tool to dislodge the hub disk. The encoder is now properly gapped.



Step 4: Cable Connection

Attach the cable to the connector of the encoder.

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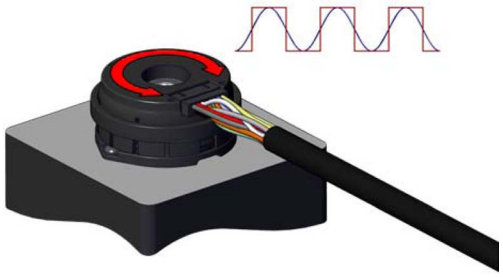
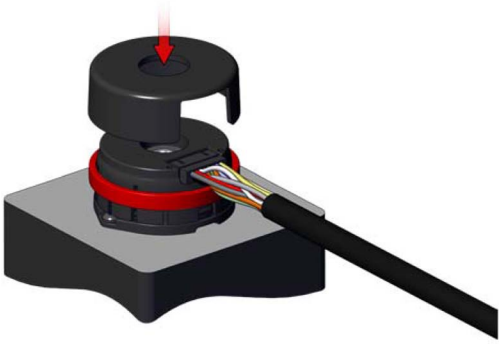
Step 5: Dynamic Timing of Encoder
Connect motor U winding and encoder U output to separate channels of an oscilloscope*. Use a second motor to back drive the target motor and rotate the encoder until the two signals are aligned with each other. Full 360° encoder rotation allows any instance of the U winding to be located.

*Our QSB product may be used in place of an oscilloscope to complete the timing process. Please contact US Digital for additional details.



Step 6:
After the encoder is timed use the included tool to push the external ring all the way down, employing caution as not to rotate the encoder, until it bottoms out against the base. This will lock the encoder into its final position. Remove tool.



Step 7: (Optional)
Apply the center hole encoder cover to seal the opening.