

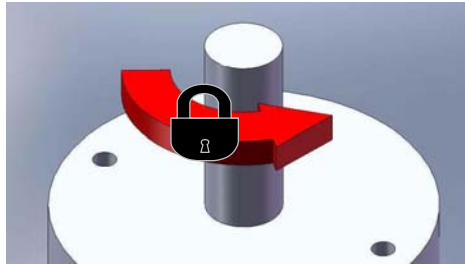
**R35i Mounting Instructions - Static Alignment**  
**Montageanleitung**

**Verify that you received the following items:**

- Encoder
- Cover
- Setscrew wrench
- M2.5 or #2-56 UNC Torx Head Mounting Screws with Captive Washer

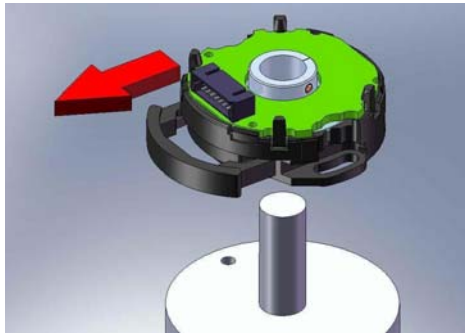
**CAUTION ---- ESD Precautions Apply ---- CAUTION**

**Motor Preparation**



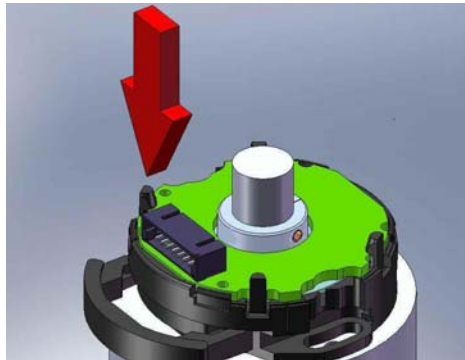
**Energize motor U winding with sufficient voltage and current to lock motor rotor. Motor shaft will return to same position when rotated in either direction by hand.**

**Encoder Preparation**



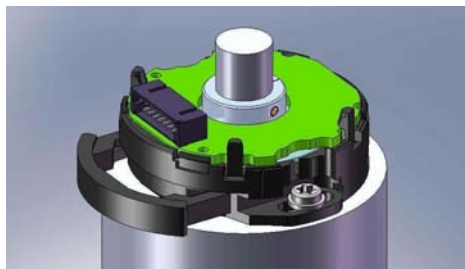
**IMPORTANT! Do not apply power to the encoder at this time.**  
 Verify that the slide lock mechanism is fully extended and the setscrew is in the 3 o'clock position. This will put the index and U commutation underneath the sensors within  $\pm 10$  mechanical degrees. If needed, apply thread locker to the mounting holes.

**Step 1**



**Slide encoder onto the motor shaft.**

**Step 2**




**Install mounting screws finger tight, allowing encoder housing to rotate.**

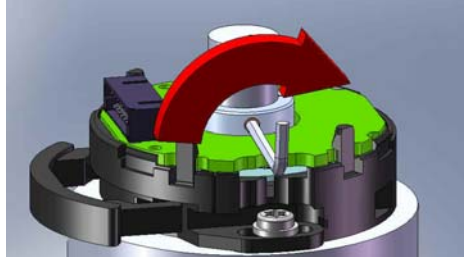
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Change: Metrical torque values are added.

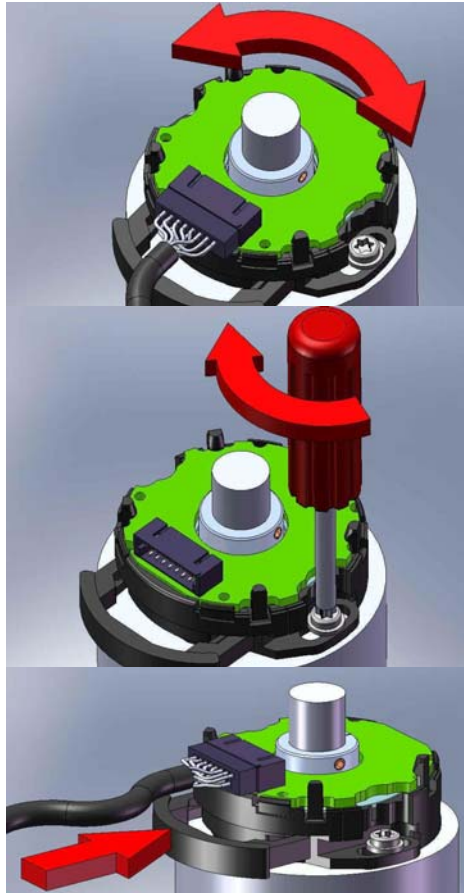
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	<b>C001256-</b>		Obermayer	Obermayer	Tresenreiter	<b>D548178 - 02 - A - 01</b>			1/
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**Step 3**



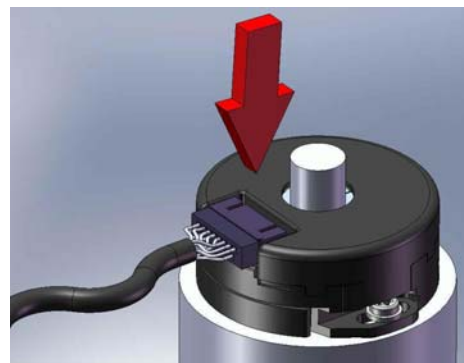
**Secure the hub setscrew with  $0,16 \pm 0,03$  Nm (20 oz-in).**

**Step 4**




**Install test cable to encoder for commutation alignment. Apply power to the encoder. Rotate the encoder body until a transition on U. Rotate the opposite direction until the opposite transition. Find the midpoint, then torque the mounting screws to  $0,21 \pm 0,03$  Nm (35-40 oz-in). Push in slide. Bond hub to shaft for high acceleration or deceleration applications.**

**Step 5**



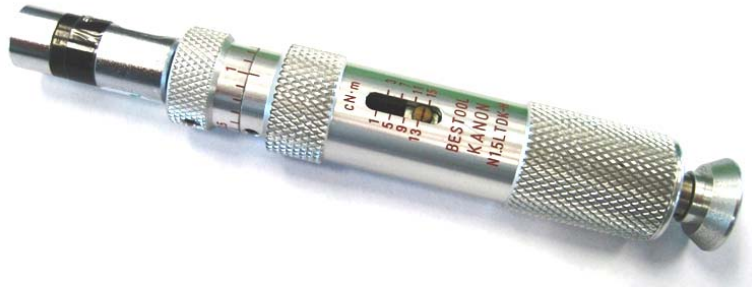
**Remove test cable and install cover. Install cable assembly.**

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**Mounting accessories for Renco R35i:**

**350379-10 Torque driver with 1/4" bit holder**  
with adjustable torque range 0,02 Nm to 0,3 Nm



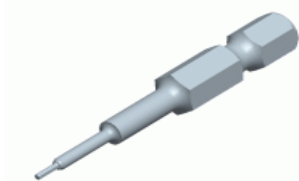
**825869-01 Special screwdriver bit set Bristol 4-Spline**  
for hub setscrew for following shaft diameters: 3/8 inch or 3/8+ inch

The screwdriver bit set includes following parts:

- 1/4" adapter with 0.048-4-Spline Bristol bit
- wrench for replacing the bit
- 10 units 0.048-4-Spline Bristol bits as spare parts




**756768-43 Special screwdriver bit 0.89 mm Hexagon**  
to tighten the hub setscrew for following shaft diameters:  
1/8, 1/8+, 3/16, 3/16+, 1/4, 1/4+, 5/16, 5/16+ inch,  
4mm, 5mm, 6mm, 8mm



**Support**

For Support in the U.S., Canada and Mexico, Please Contact

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