

R22i Mounting Instructions - Data Only

Verify that you received the following items:

- Encoder
- Cover
- Slide gapping mechanism (installed in encoder)
- Setscrew wrench (installed in encoder)
- (2) 2-56 Hex Socket Head Cap Screws

Before you begin:

The following instructions are for random index location with respect to the shaft. If the index output needs to be aligned to the shaft, please contact factory for appropriate method for your motor type.

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

Encoder Preparation

Verify that the slide and the setscrew wrench are installed in the encoder. Setscrew wrench goes through a slot in the encoder housing to engage with hub setscrew, which allows rotating the hub/disk assembly • 20 degrees to align index to the motor shaft. ([Figure 1](#))

Step 1

Align encoder mounting tabs with mounting holes on the motor. Slide encoder onto the motor shaft until the encoder is resting on the motor endplate. ([Figure 1](#)) If encoder hub does not slide easily, check that the hub setscrew does not extend into the hub bore or that burrs are not present on the motor shaft. If either exists, remove encoder and correct fault.

Step 2

Mount the encoder to the endplate by installing the supplied hex socket mounting screws. Secure mounting screws to 12 oz-in torque. ([Figure 2](#)) Threadlocker 222 may be applied to screw threads to prevent screw from unthreading during operation.

Step 3

Secure the hub setscrew with 20 oz-in torque.

CAUTION: Over tightening the setscrew will cause Brinelling of the shaft making it difficult to remove encoder.

Bonding of encoder hub is recommended for high speed or accel/decel operation of motor.

([Bonding and Debonding Methods](#))


Step 4

Remove the hub setscrew wrench and slide from the encoder.

Step 5

Bond hub to motor shaft using recommended bonding method. ([Bonding and Debonding Methods](#))

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Step 6

Install cover. [\(Figure 3\)](#) Install cable assembly. Encoder is now ready for operation.

Encoder Removal

Remove cable assembly.

Remove cover.

Rotate hub until setscrew is visible in the slot in the encoder housing.

Install slide into the encoder housing.

Install hub setscrew wrench.

Loosen hub setscrew (If hub has been bonded, see [\(Bonding and Debonding Methods\)](#))

Remove encoder mounting screws.

Remove encoder.

FIGURE 1

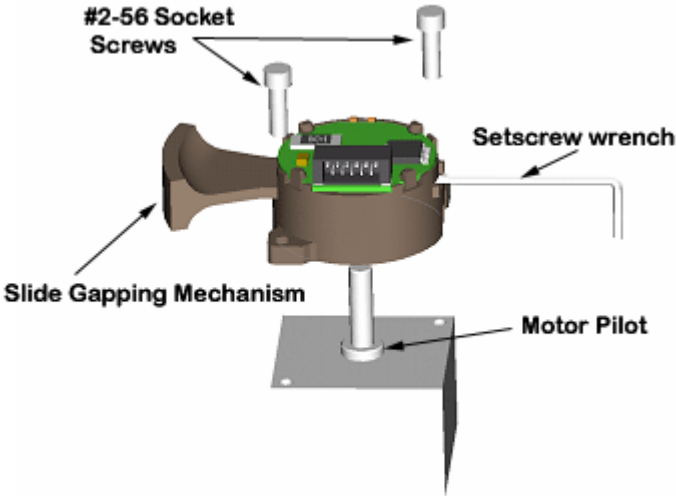
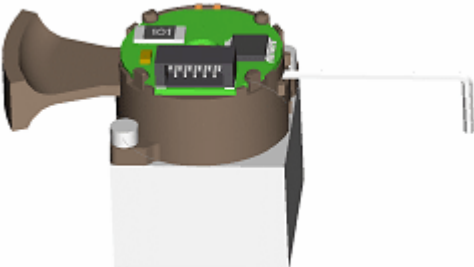


FIGURE 2





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FIGURE 3



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