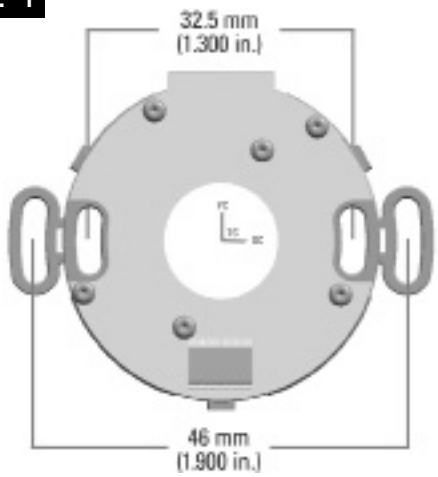
Step 1: Base Mounting

Make sure the encoder mounting surface is flat an clean. If the ENC-M15 does not sit flat, the installer must provide a flat surface for proper installation.

Using either of the available mounting locations, loosely fasten the ENC-M15 to the motor. Do not tighten.

See Fig.1 for mounting locations and dimensions.

Fig. 1

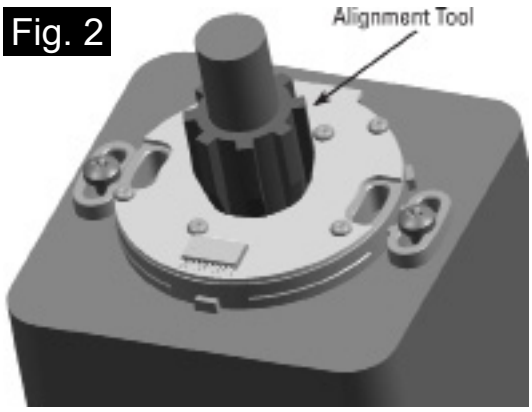


Step 2: Alignment

Slide the Alignment Tool down the motor shaft, as show in Fig. 2.

Rotate the ENC-M15 as needed. Center the encoder by lightly pushing the Alignment Tool into the center hub and tighten the mounting screws to a suggested torque of 1.5 kgf-cm (22 ozf-in).

Fig. 2

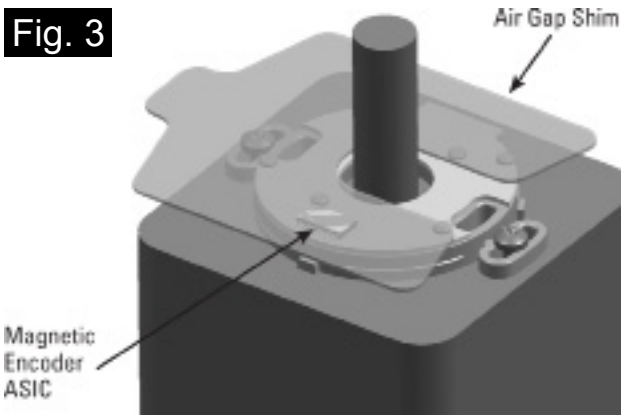


Step 3: Air Gap

Remove the Alignment tool.

Position the Air Gap Shim so it is covering the ENC-M15 Magnetic Encoder ASIC as show in Fig. 3.

Fig. 3



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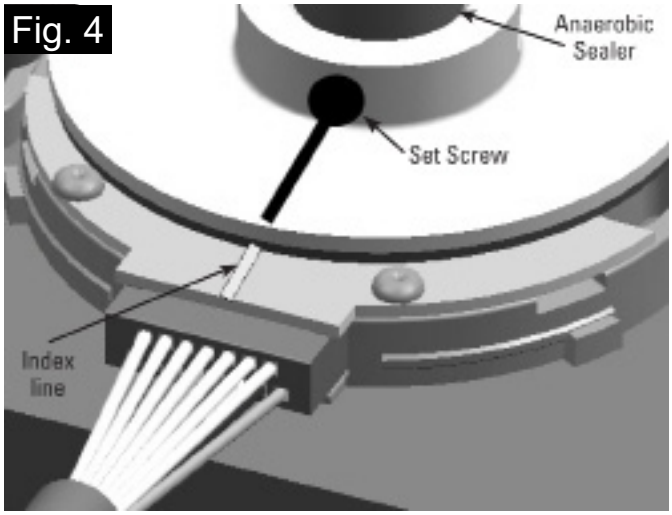
Step 4: Encoder Wheel Placement

Note the set screw location on the ENC-M15 Wheel. Slide the Encoder Wheel down the motor shaft until it is resting on the Air Gap Shim.

Align the set screw of the ENC-M15 Encoder Wheel with the Index line on the ENC-M15 as show in fig. 4.

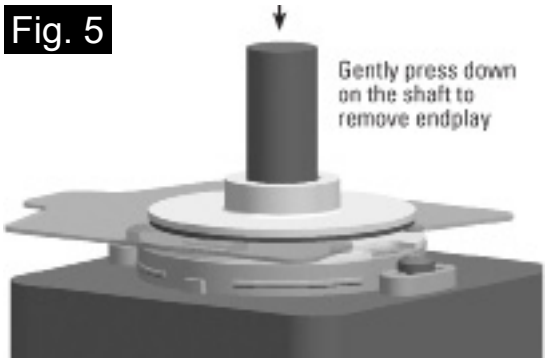
**Note: The use of anaerobic sealer is suggested for mounting the ENC-M15 Encoder Wheel. Apply a small amount of anaerobic sealer, like Loctite 641, to the gap between the top of the ENC-M15 ENcoder Weel and the motor shaft. See Fig. 4.*

Fig. 4



Gently push down on the shaft to seat the shaft as far back into the motor as possible. Tighten the ENC-M15 Encoder Wheel set screw to a maximum torque of 3.9 kgf-cm (55-60 ozf-in).

Fig. 5

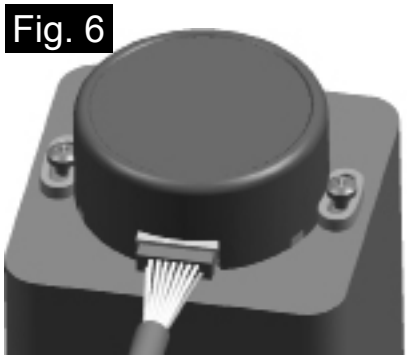


Step 5: Snap Cover into Place

Gently remove the Air Gap Shim.

Snap the Cover into place, aligning the connector relief with the connector on the ENC-M15.

Fig. 6



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