TB-543: Pivot Bracket Installation

Considerations:

- Mount the pivot bracket parallel to the running surface to obtain minimum measurement error due to pivoting motion.
- Max travel is 2” at the encoder shaft from no-load spring position.
- Increased spring load decreases max travel.
- For most applications, a minimal spring deflection is sufficient.
- Securely tighten all hardware; thread lock is recommended.

Step 1
Attach encoder to bracket. Multiple connector/cable orientations possible.

Step 2
Attach wheel to encoder shaft.

Step 3
Install pivot bracket on Ø 5/8” (0.625” + 0/- 0.005) bar. Optional mounting bracket (Stock # 176389-01) shown.

Step 4
To apply spring load, tension pivot bracket spring using lever arm and tighten clamp screws. A 1/2”-20 bolt can be used as a lever arm.