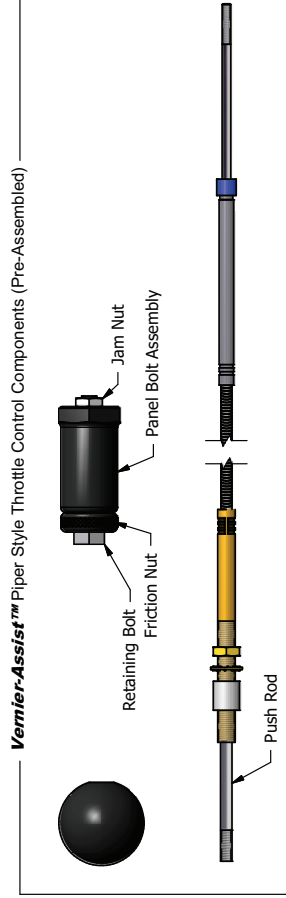
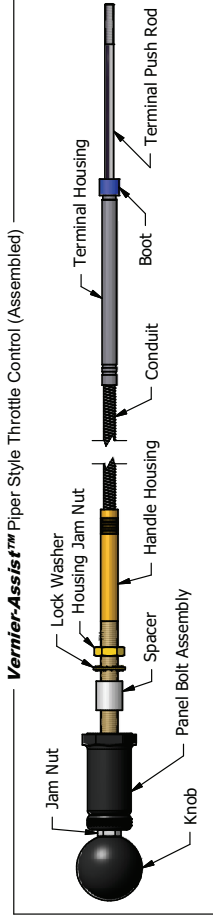


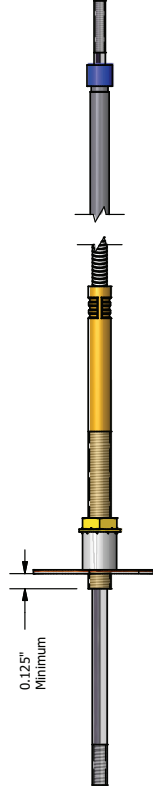
## Vernier-Assist™ Throttle Control Installation Instructions (Piper Style)

The McFarlane **Vernier-Assist™** Throttle control has been designed to install in a standard 3/8" hole and to minimize the space required behind the instrument panel. The installation instructions must be followed to prevent inadvertent disassembly of the drive rollers.



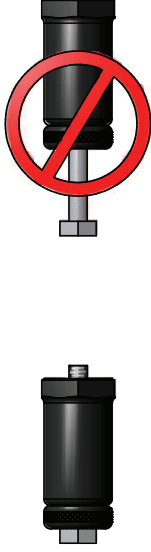
**Caution:** At all times during the installation process, the push rod or retaining bolt must remain inserted completely through the pin cage.

1. Insert the push rod/handle housing/conduit assembly through the back of the dash panel (using the spacer if required) so that the handle housing extends past the dash panel by a minimum of 0.125". Route and install the remaining conduit/terminal end of the control and terminal push rod. Route the conduit as directly as possible. Conduit bends should be at the maximum possible radius. Pull push rod out the maximum travel distance (do not allow the terminal push rod threads to travel into the boot).

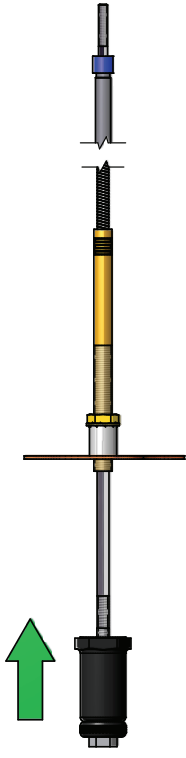


2. Carefully remove the jam nut from the retaining bolt on the panel bolt assembly.

**CAUTION:** DO NOT REMOVE THE RETAINING BOLT FROM THE ASSEMBLY OR THE CONTROL MAY BE PERMANENTLY DAMAGED!

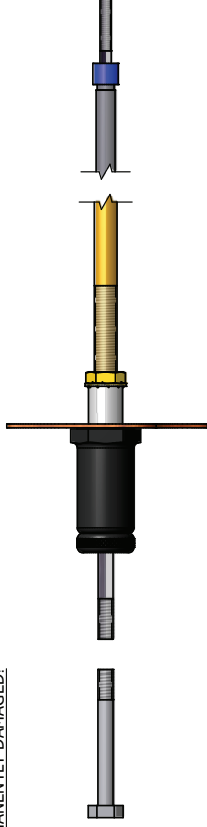


3. Align the retaining bolt end with the end of the push rod and carefully slide the panel bolt assembly over the control push rod while holding the push rod so that neither the push rod nor the housing assembly slides back.



4. Thread panel bolt assembly onto the push rod housing (~ 3 full turns) and tighten the housing jam nut until the panel bolt assembly is tight against the dash panel. The retaining bolt may be discarded at this time.

**DO NOT ALLOW THE PUSH ROD TO SLIP PAST THE END OF THE PANEL BOLT ASSEMBLY OR THE CONTROL MAY BE PERMANENTLY DAMAGED!**



5. Install the jam nut and knob onto the push rod to complete the control.

**CAUTION:** USE A STRAP WRENCH ONLY TO GRAP ONTO PUSH ROD WHEN TIGHTENING. DO NOT USE PLIERS TO CLAMP ONTO PUSH ROD OR CONTROL MAY BE PERMANENTLY DAMAGED.

