Close-up of hybrid motor vent system after assembly

Hybrid motor vent tube is a 1/4-20 x 1.5” nylon hex head set screw. Drill set screw lengthwise with 1/16”. Countersink left end 0.5” with 1/8” drill as shown below.

1.25” x 1.25” wood spacer is bonded between the motor tube and body tube. A 1/4-20 threaded insert installed in the spacer provides threads for the nylon set screw. Vented nylon set screw to be installed by user after motor is installed.

Build Sequence
1. Add rings and flange to motor tube.
2. Add rail guides and backer plates to body tube.
3. Slide body tube onto motor tube.
4. Mount bulkhead B1 to the top of the motor tube.
5. Slide coupler tube in place.