



FLAP HANDLE INSTALLATION INSTRUCTIONS

- Tools required for installation
 - Phillips head screwdriver
 - Socket and Wrench for 6-32 nut
 - Allen Wrench
 - Drill bit for a #6 screw (#28)

INSTALLATION INSTRUCTIONS:

1. Prepare the toggle switch: The toggle switch needs to stick out from the instrument panel a **minimal amount** in order to allow the flap handle to seat all the way down into the anti rotation plate. Check to make sure that there is a minimal amount of threads showing on the front of the panel. If there are more threads showing, you will need to remove the front toggle switch nut and in the back, rotate the nut that sets the "depth" of the toggle in the panel. Set the depth so that you have just enough of the threads sticking out from the panel to securely tighten the toggle switch. Once you have done this, please check that the anti rotation plate fits flush against the panel.
2. Note: It is also very important that your switch itself is mounted in a vertical orientation behind the panel. Make sure that the switch isn't at an angle on the back of your panel.
3. Flip the toggle switch to the up position. (**This is extremely important**) The reason for setting the toggle in the up position is that most people have toggles that stay in the up position when put there. We want to make sure that this sets the upper limit of the flap handle in relation to the anti rotation plate.

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4. Place the flap handle over the toggle switch and press it in firmly until it seats all the way in. Then, evenly tighten the allen set screws on each side to secure the flap handle to the toggle switch. Make sure to evenly tighten the set screws so that the flap handle is straight.
5. Hold the anti rotation plate with one hand and move the flap handle up and down to verify free movement. When you have verified free movement, **please once again flip toggle switch to the up position. This step is extremely important.** This switch was designed to fit around a standard size toggle switch. If you are using a different type of switch, the geometry might not work. Please contact met at 262 853 1380 or steve@aircraftspecialty.com before proceeding if you have this issue. I can tell you which switch you need in order to make this installation work properly.
6. With the toggle **switch and flap handle in the up position**, make sure the anti rotation plate is centered on the assembly and drill through the anti rotation plate and into your panel. Secure with a screw, washer and nut. Do the same for the opposite side corner and secure.
7. Drill the remaining two holes.
8. Verify free movement on the flap handle.
9. Use the included screws, washers, and nuts to tighten your anti rotation plate securely to the panel and once again verify free movement.
10. Check the tightness of the allen set screws once in awhile to verify that they aren't coming loose. Loctite may be used for a more secure installation. However, be careful not to put on too much and don't use the permanent Loctite or you will never be able to disassemble if you need to replace the electrical switch down the road.