Stall warner assembly - 3/7/2012 -1h

Category: 2.4. Main Wings
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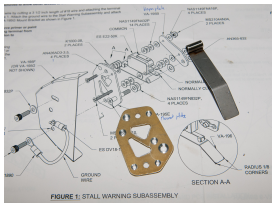
Short session in the shop before heading on a business trip.

One hour is just enough time to assemble the stall warner microswitch.

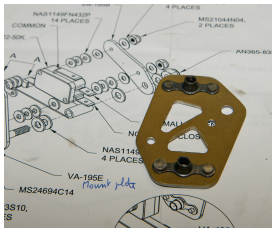
First countersunk all holes for the respective screws.

Also radiused the stall warner vane ends using the scotchbrite wheel.

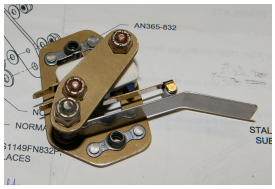


Screwed up one hole during countersinking (too deep, top left in the picture above) so enlarged the hole for a AN426AD4 (1/8) rivet. To do so, I also had to make sure I was well centered on the nutplate ear. It turned out nice in the end.

Nutplates rivetted on. These will attach the stall warner assembly to the VA-195F stall warner support plate in the nose of the leading edge rib.



Next, assembled the system. It's nothing more then just a microswitch that is squeezed with some washer between two plates. Beneath the microswitch,another screw serves as a busing to hold the stall warner vane. When the vane moves up, it activates the switch.
The switch is in the 'normally open' position when not stalling.



The picture below shows the assembly from the rear.
In the vane support screw, I put one washer left as with the additional washer, there was too much friction on the stall warner and movement of the vane was too difficult. With one washer less, it move freely with very little drag.

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Now it's time to cut the ground wire and attach the terminal to connect the 'normally open' position to ground (side of the plate).

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