

Sending in SpeedBrakes for Repair or 1000 Hour Overhaul

When sending in SpeedBrakes for the 1000 Hour Overhaul Service and/or repair, Precise Flight will request both left and right Speedbrake cartridges and the ALC (Asymmetric Logic Control.)

If you do not include your current ALC, a new ALC will need to be purchased to guarantee the timing will match both SpeedBrake cartridges. (The new ALC is included in the quote estimate)

Listed below are several reasons why sending back both SpeedBrakes and ALC are necessary.



- 1) To establish proper diagnosis of fault. Sometimes the fault in the system is in the ALC. Without returning this unit, we cannot guarantee the SpeedBrakes will function properly with our test ALC.
- 2) Without all three components, Precise Flight cannot time your SpeedBrakes to match your ALC and there could be variances between how they operate with our test ALC and the unit installed on the aircraft.
- 3) If we receive and repair one speedbrake cartridge, we cannot guarantee the timing will match your other cartridge. New components could allow one brake to operate faster than the other.
- 4) Both cartridges are under the same environmental conditions. If there is a failure in one brake it could be an indicator of a similar failure to come in the second brake.
- 5) Speed of repair/turnaround time. You will receive a quote within 48 hours of us receiving the units. Once the quote has been approved, the service will take approximately 5-7 business days to complete. With all of the components sent in we can diagnose, repair or service, and return to you a fully functioning system with a two year warranty on the work performed for trouble-free operation.

Quotes for Service and Repair:

Every individual Speedbrake cartridge is made up of 157 components. Because of this we cannot offer quotes until the units arrive and are inspected. The estimated cost of service typically ranges between \$2,100.00 - \$4,100.00 for all three units. After the inspection is complete we will provide the most accurate quote we can prior to complete tear down and test of the unit. **Your quote may vary from the final charge.**

If any additional charges are found during full tear down, you will be notified before any work is completed. Prior to the arrival of your SpeedBrakes, Customer Service can give pricing on various services that might be performed as a courtesy but this cannot be considered a quote. Standard lead time for service and repair is 5-7 business days after quote is approved.

Expedited service may be available for a \$275.00 fee. Please request expedited service prior to shipping your SpeedBrakes to allow for scheduling.

*****Please note on paperwork if the 1000 hr service is required*****

Upgrade to the newest version of the ALC at time of service for \$789.00 (a savings of \$100.00). If you decline a new ALC we will need to sync your current ALC with your SpeedBrakes, and a timing fee of \$405.00 will apply.

The newest version of Precise Flight's ALC unit is an update to the "brain" of your speedbrake system. New logic allows your SpeedBrakes to be self-timed, allowing both SpeedBrakes to deploy together. For example, if one brake is slightly faster, it will pause for the other brake to catch up before going into full deployment. If one brake is inoperable, the functioning brake will stop at the pause point and fully close preventing any yaw to the aircraft. This new self-timed feature helps provide longer mean times between repairs.