

# Cirrus Roll Servo Upgrade

Upgrade your System Fifty Five X  
for improved performance

**COBHAM**

The most important thing we build is trust



# Cirrus Roll Servo Upgrade

An easy, affordable upgrade to a Cobham roll servo will enhance the precision of your Fifty Five X autopilot

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## Maximized autopilot precision

- Improved lateral performance
- No more autopilot restrictions
- Longer life for roll trim cartridge assembly

## Improved lateral response

The factory installed autopilot installation in a Cirrus Design SR22 utilizes the aileron trim cartridge assembly in the wing to execute commands from the autopilot. The roll trim cartridge assembly moves the aileron by compressing the spring inside the assembly. This spring cartridge creates a “mushy” autopilot roll axis sensation.

In contrast, the Cobham roll servo upgrade incorporates an independent servo that is directly connected to the aileron cable providing crisp response to autopilot commands for authoritative control.

## No more autopilot restrictions

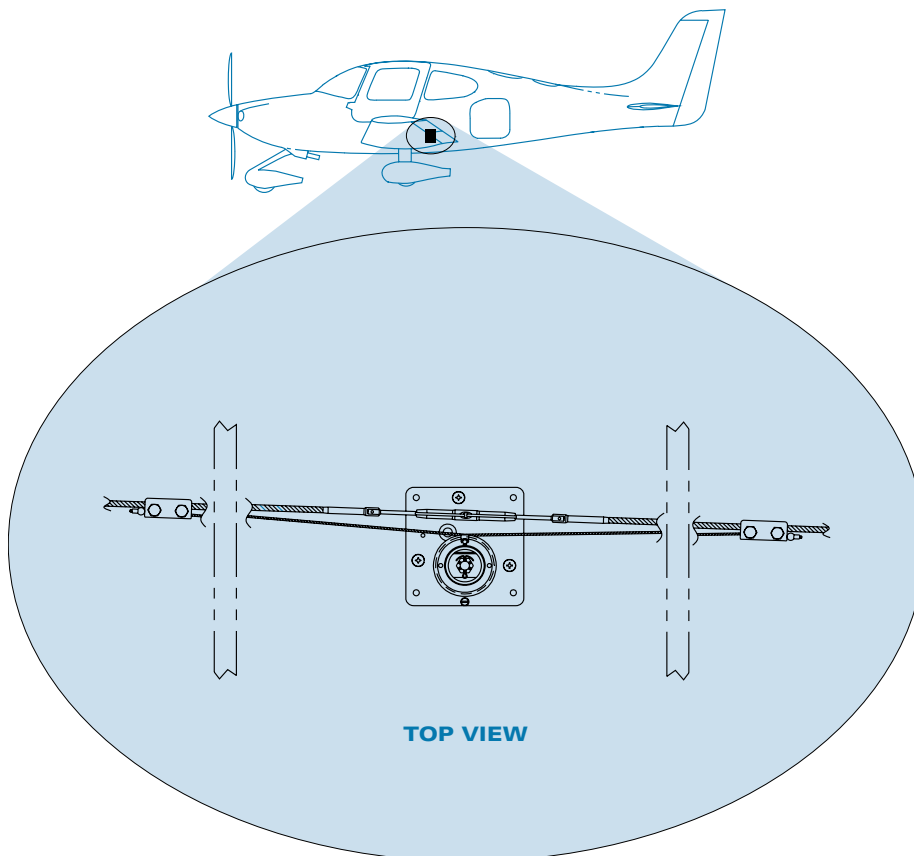
The Cobham roll servo will eliminate a number of limitations previously imposed on the autopilot operation.

- Operation in moderate or severe turbulence is approved
- Approach crosswind capability improved to 25 knots

- Full autopilot authority over the range of course deviation
- Improved course intercept capability
- Improvements to glideslope capture

## Longer life for roll trim cartridge assembly

Because autopilot commands are executed via the Cobham roll servo, the roll trim cartridge assembly is no longer used for autopilot operation. This greatly reduces wear and leads to longer life for the roll trim cartridge assembly.



The Cobham roll servo upgrade is installed under the back seats and is directly attached to the main roll cables via a bridle cable. The result is a very authoritative roll axis that significantly improves autopilot performance.

For further information please contact:

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