

Yaw Damper

Low cost, light weight, accelerometer sensor technology for optimum performance

COBHAM

The most important thing we build is trust



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- 1 Proven Cobham servo actuator.**
- 2 3-position switch.** Available in horizontal or vertical configuration. Trim potentiometer enables manual adjustment and centering of the skid and slip ball.
- 3 Remote-mounted sensor/computer/servo amplifier.** Solid state design with virtually no moving parts. Accelerometer moves only 0.020" for each G of acceleration

The Cobham yaw damper's innovative design replaces the commonly used rate gyro with a highly accurate accelerometer, which virtually

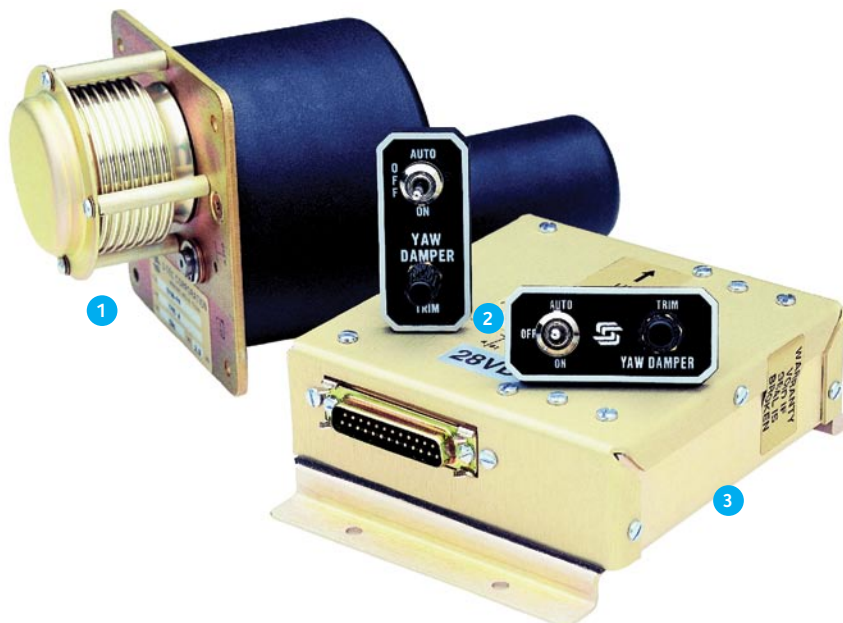
eliminates moving parts, except for the servo actuator. The accelerometer moves only 0.020" for each G of acceleration.

This revolutionary system substantially improves autopilot performance, as it senses both skid-and-slip in a single sensor, rather than the two sensors required in other systems. And unlike other yaw dampers, the Cobham system offers a trim potentiometer that allows centering of the skid-and-slip ball.

Exclusive with the Cobham Yaw Damper are two modes of operation. With its unique 3-position switch in "AUTO" the yaw damper

automatically activates when the autopilot is engaged. In the "ON" position, it operates independently, whether or not the autopilot is engaged. And it can be turned off by putting the switch in the "OFF" position.

The Cobham Yaw Damper is approximately half the size and weight of other systems, and approximately half the price, yet provides unequalled precision and performance. The compact size of this fully TSO'd system reduces weight, space and power requirements for efficient installation and performance.



Yaw Damper: features and functions

- Panel-mounted on/off switch; horizontal or vertical configuration.
- Rudder trim control
- Remote-mounted sensor/computer/servo amplifier
- Single accelerometer sensor
- Automatic on/off mode integrated with a roll and/or pitch autopilot

Specifications

- System weight (incl. servo actuator) – 3.8 lbs.
- Power requirements – 14 or 28 VDC; 1.0 amps average, 3.0 amps maximum
- FAA TSO – C9c

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