

SYSTEM FAILURE AND CAUTION ANNUNCIATIONS

The System 55 contains a number of automatic failure and caution annunciations to advise the pilot of operational problems. They are as follows:

ANNUNCIATION	CONDITION	ACTION
Flashing <i>RDY</i> for 5 seconds with audible tone	Indicates Autopilot disconnect. All Annunciations except <i>RDY</i> are cleared.	N/A
Flashing <i>RDY</i> with Audible tone then Extinguished	Turn Coordinator Gyro Rotor Speed Low. Autopilot disconnects and can not be re-engaged.	Check Power to Turn Coordinator Conduct other system checks as necessary.
Flashing <i>NAV</i> , <i>REV</i> or <i>APR</i>	Indicates off Navigation course by 50% needle deviation or more.	Use <i>HDG</i> mode until Problem is identified. Cross-check raw NAV data, compass hdg, radio operation.
Flashing <i>NAV</i> , <i>REV</i> or <i>APR</i> . Steady <i>FAIL</i>	Indicates invalid Radio Navigational Signal.	Check NAV Radio for proper reception. Use <i>HDG</i> mode until problem is corrected.
Flashing <i>VS</i>	Indicates excessive Vertical Speed Error over selected VS (usually climb).	Reduce VS Command and/or adjust power as appropriate.
Flashing <i>GS</i>	Indicates off glideslope centerline by 50% needle deviation or more.	Check attitude and power. Add or reduce power as appropriate.

Flashing <i>GS</i> , steady <i>FAIL</i>	Indicates invalid glideslope-radio navigation signal.	Disconnect autopilot and initiate go- around or missed approach as appropriate. Inform ATC.
Flashing <i>GS</i> Plus <i>ALT</i>	Indicates Manual Glideslope disable.	Re-enable by pushing NAV mode switch.

NOTE: IF ANY OF THE ABOVE FAILURE ANNUNCIATIONS OCCUR AT LOW ALTITUDE OR DURING AN ACTUAL INSTRUMENT APPROACH, DISENGAGE THE AUTOPILOT, EXECUTE A GO-AROUND OR MISSED APPROACH AS APPROPRIATE. INFORM ATC OF THE PROBLEM. DO NOT ATTEMPT TO TROUBLESHOOT OR OTHERWISE IDENTIFY THE NATURE OF THE FAILURE UNTIL A SAFE ALTITUDE AND MANEUVERING AREA ARE REACHED OR SAFE LANDING IS EXECUTED.

Autopilot Disconnect

The autopilot can be disconnected by any of the following actions:

- A.** Turn the **Autopilot Master** switch **OFF**.
- B.** Press the **Autopilot Disconnect/Trim Interrupt** switch on the aircraft's control wheel.
- C.** Pull the aircraft's **AUTOPILOT Circuit Breaker**.
- D.** If the aircraft is equipped with optional automatic trim and the pitch axis of the autopilot is engaged, depress the **Trim** switch on the aircraft control wheel.