

PITCH

****THE FLIGHT DIRECTOR IS THE BRAINS**

****THE AUTOPILOT IS THE MUSCLE**

****THE AUTOPILOT'S JOB IS TO FOLLOW THE V-BAR!!!!**

1. Is the Flight Director working in all modes? note lights “ARM” – “CAP”
 - a. Altitude hold
 - b. Glideslope
 - c. No – vertical modes (Sperry System)
 - d. SPERRY SYSTEM
 - Pre-select
 - VS
 - IAS
2. Does the AP follow the V-Bars? (all modes)
3. Does the AP follow the pitch command wheel?
4. Porpoise is a slow oscillation with altitude changes.
5. Pump is a fast oscillation- no altitude changes.
6. Is the porpoise or pump changing in time or amplitude?
7. Note the time of one cycle.
8. Does the problem start as soon as the mode is engaged, have a delay or with an AP effort?
9. Is the pitch trim running- leading or lagging aircraft movement?
10. With “NO” vertical modes selected.
11. AP leading or lagging V-Bars?
12. Pitch trim running with aircraft speed changes?

****NOTE****

Try to have repeatability of items check/fail.

Information that is NOT 100% known must have probability stated.