

ROLL

****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. Heading Bug
- b. NAV – VOR or GPS
- c. APPR – LOC or CRS (course needle)

With L/R needle center, moving CRS needle reacts the same as a heading bug change.

2. Does the Autopilot follow the V-Bar? (all modes)

3. AP follow turn knob.

4. What is the MAX bank angle?

5. What is the bank angle during the fault?

6. Wing rock with heading change.

7. Is the wing rock speed fast/slow?

8. Does the roll axis have servo resistance?

9. Is the Autopilot lagging behind the V-Bars? (s-turn)

BENDIX M-4D SYSTEM

****Check roll trim adjustment with NO modes selected, wings level and In-trim.
Engage AP and level wings with roll trim knob.**

****NOTE****

Try to have repeatability of item check/fail.

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