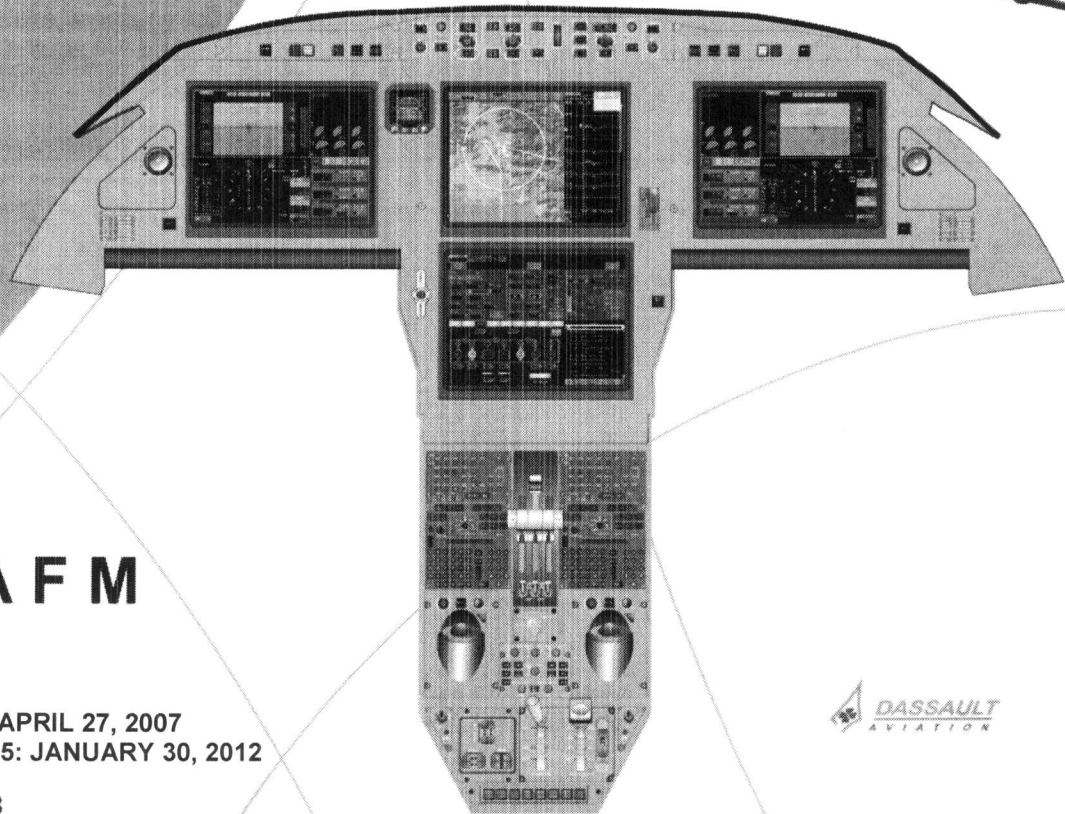
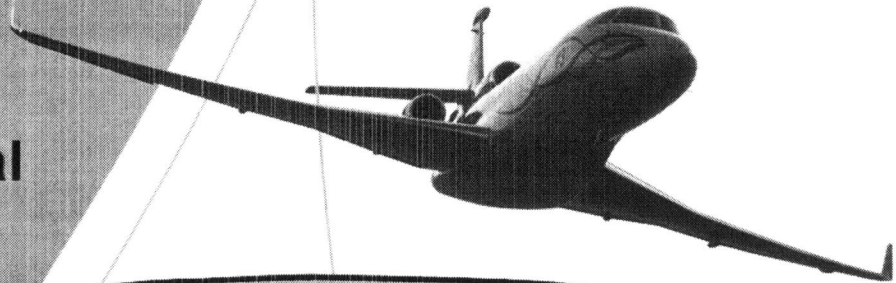


**FALCON 7X**

**Airplane  
Flight  
Manual**



**A F M**

ORIGINAL: APRIL 27, 2007  
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**ATT MISCOMPARE**

Both PDUs: Amber **ATT** miscompare annunciation.  
 Other effects:  
 - AP is disengaged,  
 - All FD modes are canceled.

- Cross-check with Secondary Flight Display or IRS 3 and determine the faulty IRS.
- Corresponding **IRS** pushbutton..... Push to select valid IRS
  - On ADI .....Amber **IRS..** or White **IRS3**

**ALT MISCOMPARE**

Both PDU: Amber **ALT** miscompare displayed on altitude scale,  
 AP may disengage and FD vertical modes are cancelled.

- Cross-check with Secondary Flight Display and determine the faulty ADS.
- **If the faulty ADS can be determined without ambiguity:**
  - Corresponding **ADS** pushbutton .....Push to select correct ADS
    - On ADI ..... White **ADS3** or amber **ADS..**
  - Corresponding **IRS** pushbutton .....Push to select IRS associated to selected ADS
    - On ADI ..... White **IRS3** or amber **IRS..**
- **If the faulty ADS can not be determined:**
  - Use **ADS** pushbutton to identify two consistent altitude indications.
  - **If ADS 1 and ADS 3 give consistent altitude indications:**
    - LH **ADS** pushbutton..... Push to select ADS 1
    - RH **ADS** pushbutton ..... Push to select ADS 3
      - On RH ADI ..... White **ADS3**
    - RH **IRS** pushbutton ..... Push to select IRS 3
      - On RH ADI ..... White **IRS3**
  - **If ADS 2 and ADS 3 give consistent altitude indications:**
    - LH **ADS** pushbutton..... Push to select ADS 3
      - On LH ADI ..... White **ADS3**
    - LH **IRS** pushbutton ..... Push to select IRS 3
      - On RH ADI ..... White **IRS3**
    - RH **ADS** pushbutton..... Push to select ADS 2

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■ **If ADS 3 and ADS 4 give consistent altitude indications:**

- ▶ LH and RH **ADS** pushbutton..... Push to select ADS 3
  - On both ADI..... Amber **ADS3**
- ▶ LH and RH **IRS** pushbutton ..... Push to select IRS 3
  - On both ADI..... Amber **IRS3**

■ **In other cases:**

- ▶ Apply **TOTAL LOSS OF CONSISTENT ADS INFORMATION** procedure (section 3-100-15).  
→

**FPV MISCOMPARE**

Both PDU: Amber **FPV** annunciation.

- ▶ On non coupled side: **IRS** pushbutton ..... Push to select IRS 3
  - On corresponding ADI ..... White **IRS3**
- **If FPV goes out:**
  - ▶ End of procedure. ☒
- **If FPV remains on:**
  - ▶ On non coupled side revert to the previous IRS.
  - ▶ On coupled side: **IRS** pushbutton..... Push to select IRS 3
    - On corresponding ADI ..... White **IRS3**

**CAUTION**

**Comparing with Secondary Flight Display Flight Path Symbol in climb or descent may lead to erroneous conclusions.**

**HDG MISCOMPARE**

Both PDU: Amber **HDG** annunciation.

- ▶ Cross-check with Secondary Flight Display (except at high latitude) or IRS 3 and determine the faulty IRS.
- ▶ **IRS** pushbutton on faulty side ..... Push to select valid IRS
  - On ADI ..... Amber **IRS..** or White **IRS3**

**IAS MISCOMPARE**

Both PDU: Amber **IAS** displayed on airspeed scale,  
AP may disengage and all FD modes are cancelled.

- Cross-check with Secondary Flight Display and determine the faulty ADS.
- **If the faulty ADS can be determined without ambiguity:**
  - **ADS** pushbutton on faulty side ..... Push to select correct ADS
    - On ADI ..... White **ADS3** or amber **ADS..**
- **If the faulty ADS can not be determined:**
  - Use **ADS** pushbuttons to identify two consistent airspeed indications.
  - **If ADS 1 and ADS 3 give consistent airspeed indications:**
    - LH **ADS** pushbutton ..... Push to select ADS 1
    - RH **ADS** pushbutton ..... Push to select ADS 3
      - On RH ADI ..... White **ADS3**
  - **If ADS 2 and ADS 3 give consistent airspeed indications:**
    - LH **ADS** pushbutton ..... Push to select ADS 3
      - On LH ADI ..... White **ADS3**
    - RH **ADS** pushbutton ..... Push to select ADS 2
  - **If ADS 3 and ADS 4 give consistent airspeed indications:**
    - LH and RH **ADS** pushbutton ..... Push to select ADS 3
      - On both ADI ..... Amber **ADS3**
  - **In other cases:**
    - Apply **TOTAL LOSS OF CONSISTENT ADS INFORMATION** procedure (section 3-100-15).  
➔

**LOC OR GS MISCOMPARE**

Both PDU: Amber **LOC** or **GS** annunciation.

- **Determine the faulty ILS, if possible:**
  - Select the correct ILS source for both sides.
- **If the faulty ILS is not identified:**
  - Do not perform an ILS approach.

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**RA MISCOMPARE**

– Both PDU: Amber **RA** annunciation.

■ **If amber RA flag is temporarily displayed during initial climb and disappears when wings are levelled:**

- Disregard this temporary amber **RA** flag.
- End of procedure. ☒

■ **If amber RA flag remains in any phase of flight:**

- **RA** pushbutton on faulty side ..... Push to select cross-side RA
  - ☑ On both ADI ..... Amber **RA1** or **RA2**
- ATC/TCAS ..... TA only select

▶ **AT THE END OF DESCENT AND BEFORE LANDING GEAR EXTENSION**

- Until landing, check that the remaining RA indication is not locked-up.

■ **If remaining RA indication is locked-up:**

**NOTE**

An incorrect remaining RA indication may be followed by misleading symptoms, such as:

- Misleading aural warnings from EGPWS and unexpected “Gear” aural warning,
- Unexpected **GEAR: NOT DOWN** and **LDG CONF: FLAPS NOT FULL** messages,
- Landing gear indication possibly displayed amber until the landing gear extension.

**NOTE**

**FCS: PITCH AUTOTRIM INOP** CAS message may appear: corresponding procedure has to be completed.

**CAUTION**

- Autothrottle may switch to retard mode upon landing gear extension.
- Autothrottle and autopilot low speed protections may be inoperative, as well as the “INCREASE SPEED” aural warning.
- FD G/S guidance may be wrong.
- Autotrim may be still active during flare.

▶ **PRIOR TO FINAL APPROACH AND BEFORE LANDING GEAR EXTENSION:**

- AT ..... Disconnect
- HUD combiner (if installed) ..... Stow

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**NOTE**

CATEGORY II ILS Approaches are not authorized.

**CATEGORY I ILS APPROACH**

- ▶ Perform the approach using raw data.
- ▶ AP ..... Disengage
- ▶ FD (both sides) ..... Remove

**OTHER APPROACHES**

- ▶ AP ..... As required
- ▶ FD (both sides) ..... As required

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