
AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.001(1) of CASR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

AMD Falcon 50 and 900 Series Aeroplanes

AD/AMD 50/46 Pressurisation Control Regulating Valve 9/2008

Applicability: Dassault Aviation (formerly Avions Marcel Dassault-Breguet Aviation; AMD / Sud-Aviation; GAMD / Sud-Aviation) Mystère-Falcon 50, Mystère-Falcon 900, Falcon 900EX (including “F900EX-EASy” and “F900DX”), aircraft.

Requirement:

1. Check the overpressure tightness on both regulating valves.
2. Amend the Aircraft Maintenance Programme, by incorporating a repetitive “Check of overpressure tightness on both regulating valves”, as specified in Table 1 of this AD.

Pending publication by Dassault Aviation of the revised chapter 5-40 for each AMM, insertion of the applicable maintenance procedure into the Aircraft Maintenance Programme is considered as acceptable to comply with requirement 2 of this AD.

Table 1		
Check of overpressure tightness on both regulating valves		
Affected aircraft	Maintenance Procedure No.	Inspection Threshold and Interval
Mystère-Falcon 50	21-160	1,630 FH
Mystère-Falcon 900	21-308	
Falcon 900EX (including “F900EX-EASy” and “F900DX”).	21-314	

The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.

3. When leaks are found during any check as detailed in Requirement 1 of this AD, except in accordance with the applicable Master Minimum Equipment List (MMEL) provisions, replace the affected valve with a serviceable unit, which must (also) be checked, in accordance with the applicable maintenance procedure, prior to installation.

AMD Falcon 50 and 900 Series Aeroplanes

AD/AMD 50/46 (continued)

Note: EASA AD 2008-0072 dated 18 April 2008 refers.

Compliance: For Requirement 1:

Before reaching the inspection threshold as indicated in flight hours (FH) in Table 1 of this AD, as applicable to type, since installation of the valve or since the latest valve cleaning operation (same AMM Task No.), or within the next 6 months after the effective date of this AD, whichever occurs later, and thereafter at intervals not to exceed the inspection interval value as indicated in FH in Table 1 of this AD.

For Requirement 2:

Within 30 days after the effective date of this AD.

For Requirement 3:

Before further flight after the effective date of this AD.

This Airworthiness Directive becomes effective on 28 August 2008.

Background: During maintenance on one aircraft, it was discovered that the overpressure capsules were broken on both pressurization valves. Failure of the pressurization control regulating valve (overpressure capsule) will affect the aircraft's overpressure protection, possibly resulting in a structural failure in case of combination with another pressurization system failure. Consequently, Dassault Aviation has developed a repetitive check of this outflow valve capsule, which has already been introduced into the Maintenance of Components section (chapter 5-20) of the relevant Aircraft Maintenance Manuals (AMM).

For the reason described above, this AD requires a repetitive check of the outflow valve overpressure capsule, as it will also be introduced into the Airworthiness Limitations section (chapter 5-40) of the respective AMMs.



James Coyne
Delegate of the Civil Aviation Safety Authority

16 July 2008