

AIRWORTHINESS DIRECTIVE

released by DIRECTION GÉNÉRALE DE L'AVIATION CIVILE

Inspections and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

Translation of "Consigne de Navigabilité"
Réf. : 89-106-008(B)R1
In case of any difficulty, reference should
be made to the French original issue.

MYSTERE-FALCON 900 airplanes

Thrust reverser

The present Airworthiness Directive applies to all serial numbers of MYSTERE-FALCON 900 airplanes.

In order to avoid breakage of mechanical elements of the thrust reverser door actuating system, which can be caused :

- either, by an untimely electrical order to stow the doors whereas they are ordered deployed from the cockpit,
- or, by an accumulation of fatigue loads resulting from the thrust reverser doors being maneuvered with engine thrust at a setting other than idle thrust,

the following measures are made mandatory :

- 1.a) - Before October 15, 1989 on airplanes which have incorporated Service Bulletin F900-54 at an issue previous to revision 2 the diode ref. 20KR must be removed.
This work is described in the chapter 4 of the Service Bulletin F900-54 rev. 2
- 1.b) - For the others airplanes before December 31, 1989, at the latest, firstly, modify the thrust reverser automatic stowage electrical control system, and secondly, ensure the segregation, at ground/flight proximity detector level, of the braking and thrust reverser control circuits.
This work is described in Service Bulletin F900-54 rev. 2.
- 2/ Identify the source of supply of the end fittings of the thrust reverser door actuating rods and reinforce the thrust reverser actuating mechanism (actuating rods and hinge pin) in accordance with the following schedule :
 - Before accumulation of 800 landings since airplane new or within one year from the effective date of this directive, whichever occurs first, for airplanes equipped with rods manufactured by FRANKENJURA.

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- Before accumulation of 1300 landings since airplane new for airplanes equipped with rods manufactured by SARMA.

This work is described in Service Bulletin F900-61.

3. For airplanes having accumulated more than 1300 landings at the date of this Directive, reinforce the thrust reverser actuating mechanism (actuating rods and hinge pin) and proceed with repair of the synchronizing bell crank hinge fitting before December 31, 1989.

This work is described in Service Bulletin F900-61.

4. Before accumulation of 4000 landings since airplane new, modify the hydraulic actuator P/N 106124 to P/N 106124-01 by replacing end-fitting P/N 106124200101 by a stronger end-fitting P/N 106124200102 in accordance with the manufacturers maintenance manual, maintenance procedure 78-305.

Ref. : Service Bulletin F900-54 rev. 2
Service Bulletin F900-61
Manufacturers maintenance manual,
maintenance procedure 78-305

The present A.D. cancels and replaces
the original A.D. 89-106-008(B) dated July 19, 1989

EFFECTIVE DATE : UPON RECEIPT