FALCON SERVICE BULLETIN

FALCON 900EX EASy
FALCON 900LX

No 476-R1

JUNE 25, 2014

MANDATORY

ATA 27-18

FLIGHT CONTROL
AILERON CONTROL SYSTEM
REPLACEMENT OF AILERON SERVO ACTUATOR

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DASSAULT AVIATION

SERVICE BULLETIN

FALCON 900EX **F900EX -476**

FLIGHT CONTROL
AILERON CONTROL SYSTEM
REPLACEMENT OF AILERON SERVO ACTUATOR

Initial issuance April 09, 2014

List of effective pages :
1 to 4

Revision 1 June 25, 2014

List of effective pages :
1 to 4
List of modified pages :
1 and 3

REASON: Modification of the effectivity.

FLIGHT CONTROL
AILERON CONTROL SYSTEM
REPLACEMENT OF AILERON SERVO ACTUATOR

1. PLANNING INFORMATION

A. EFFECTIVITY

This Service Bulletin is applicable to F900EX aircraft with serial numbers 177, 265 through 270, 272 and 273 (F900EX EASy, F900LX).

B. REASON

After a manufacturing transfer, a batch of suspected aileron servo actuators has been identified. On these parts, the tightening torque of two nuts of the two adjustable link rods between the bellcranck and the selector assembly is potentially not in conformity with the assembly rules because too low.

Due to the two screw-nut assemblies mechanical clearance potentially generated by this lack of tightening torque, a wrong synchronization of the selector assembly can occur.

The purpose of this Service Bulletin is to replace the suspected aileron servo-actuators.

C. DESCRIPTION

Depending on the aircraft serial number, the operation consists in replacing the LH and/or RH aileron servo-actuators.

D. COMPLIANCE

Mandatory:

- It is anticipated that this Service Bulletin will be rendered mandatory by an EASA Airworthiness Directive.
- As prescribed by the Airworthiness Authorities of the country of registration of the aircraft.

E. APPROVAL

The technical content of this document is approved under the authority of DOA nr. EASA.21J.051.

F. LABOR

Estimated labor-hours: Refer to Service Bulletin Commercial Summary.

NOTE: These labor-hours only concern the work described in this Service Bulletin and do not include other maintenance work which may be performed on this occasion.

G. MATERIAL - PRICE AND AVAILABILITY

The modification kit may be obtained from either address listed below:

DASSAULT AVIATION Proprietary Data

DASSAULT AVIATION Proprietary Data

Western hemisphere:	DASSAULT FALCON JET CORP. SPARES DISTRIBUTION CENTER 200 RISER ROAD LITTLE FERRY, NJ 07643 U.S.A. Telephone: • CANADA and U.S.A.: 1-800-800-4036 • MEXICO: 001-800-800-4036 • Other countries: 1-201-541-4809 Fax: • CANADA and U.S.A.: 1-800-800-4817 • MEXICO: 001-800-800-4817 • Other countries: 1-201-440-7021
Other continents:	DASSAULT AVIATION Falcon Spares BOITE POSTALE N°101 AEROPORT DU BOURGET 93350 - LE BOURGET Cedex (FRANCE) Please contact your Dassault Aviation Account Representative Telephone: 33 (0)1.48.35.56.78 Fax: 33 (0)1.48.35.56.00 E/H dafsorder@dassault-aviation.com

Price and availability on request.

H. TOOLING - PRICE AND AVAILABILITY

Normal maintenance tooling.

I. WEIGHT AND BALANCE

Change in weight: None.
Change in balance with respect to 25% MAC: None.

J. REFERENCES

Aircraft Maintenance Manual:

- GENERAL MAINTENANCE AND SAFETY PRECAUTIONS (Refer to **TASK 20-00-00-910-801**)
- REMOVAL / INSTALLATION OF THE AILERON SERVO-ACTUATORS (Refer to **TASK 27-12-01-900-801**)

K. OTHER PUBLICATIONS AFFECTED

None.

2. ACCOMPLISHMENT INSTRUCTIONS

A. PRELIMINARY STEPS

(1) The aircraft must be in the maintenance configuration (Refer to **TASK 20-00-00-910-801**).

B. PROCEDURE

(1) Depending on the aircraft serial number, remove the applicable LH and/or RH aileron servo-actuator (Refer to **TASK 27-12-01-900-801**):

Aircraft S/N	Aileron servo-actuator to be removed			
	LH (L521CC)		RH (R521CC)	
	P/N	S/N	P/N	S/N
177	N/A		103117-06	5003
265	N/A		103117-06	5002
266	103117-05	5000	103117-06	5007
267	103117-05	5001	N/A	
268	103117-05	5004	N/A	
269	103117-05	5005	103117-06	5011
270	103117-13	5017	103117-06	5012
272	103117-05	5010	103117-14	5016
273	103117-13	5014	103117-14	5020

C. RECORDING

Record compliance with this Service Bulletin in the appropriate aircraft documents.

Fill out the card located at the end of the Service Bulletin and mail or fax it to Dassault Aviation or Dassault Falcon Jet, or fill out the electronic Service Bulletin reply form located in the ”Service Bulletin" page on the Falcon portal.

DASSAULT AVIATION Proprietary Data

3. MATERIAL INFORMATION

A. MODIFICATION OF LH/RH AILERON SERVO-ACTUATOR PART NUMBER

NEW P/N	QTY	KEY WORD	OLD P/N
103117-05 or 103117-06 or 103117-13 or 103117-14 with S/N not listed in § 2.B.(1) or with S/N listed in § 2.B.(1) but with "D1" inscribed on the repair placard	1 or 2	Aileron servo-actuator	103117-05 or 103117-06 or 103117-13 or 103117-14 with S/N listed in § 2.B.(1) without "D1" inscribed on the repair placard

NOTE 1: Compliance with this Service Bulletin by substituting the above part number(s) with (an) interchangeable subsequent part number(s) is acceptable, provided the subsequent part numbers have the same effectivity as the original part number.

NOTE 2: The aileron servo-actuator(s) removed must be sent to one of the addresses listed in paragraph 1.G. of this Service Bulletin.

DASSAULT AVIATION Proprietary Data

FROM _____

_____

_____

ZIP CODE _____

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO. 3306 HACKENSACK, NJ 07602

POSTAGE WILL BE PAID BY ADDRESSEE:

DASSAULT FALCON JET CORP.
PO BOX 1946
SO HACKENSACK NJ 07606–9946

ATTENTION:
FIELD SERVICE DEPARTMENT

DASSAULT AVIATION
78, Quai Marcel Dassault
Cedex 300
92552 SAINT–CLOUD Cedex
FRANCE

A l'attention de DSC

SERVICE BULLETINS COMPLIANCE **FALCON 900EX** A/C S/N

DASSAULT AVIATION Number		ATA Number				Coding:	
F900EX	476	F900EX	27	18			**C** complete compliance
							T partial compliance
						Performed by:	

Remarks: Revision 1 Date: Signature:

SERVICE BULLETINS COMPLIANCE

Would you be kind enough to inform us that this Service Bulletin is complied with:
- For "Western Hemisphere", mail upper card (No postage necessary if mailed in the U.S.A.) or fax to Dassault Falcon Jet: 1-201-541-4700.
- For "Other Continents", mail card herebelow or fax to Dassault Aviation: 33 (0)1.47.11.65.21.
On the occasion, if other Service Bulletins have been simultaneously complied with could you complete the blank spaces provided for this purpose.

APPLICATION DE BULLETINS DE SERVICE

Lorsque vous aurez applique ce Bulletin de Service sur votre avion, veuillez avoir l'amabilite de nous en informer:
- Utiliser la carte reponse superieure pour continent americain (Dispensee de timbrage pour postage depuis les U.S.A.) ou le fax pour Dassault Falcon Jet : 1-201-541-4700.
- Ou la carte reponse inferieure pour autres continents ou le fax pour Dassault Aviation : 33 (0)1.47.11.65.21.
Eventuellement, si d'autres Bulletins de Service ont ete appliques simultanement, vous pouvez les mentionner dans les cases vierges prevues a cet effet.

APPLICATION DES BULLETINS DE SERVICE

SERVICE BULLETINS COMPLIANCE **FALCON 900EX** A/C S/N

DASSAULT AVIATION Number Numero DASSAULT AVIATION		ATA Number Numero ATA				Coding:	
F900EX	476	F900EX	27	18			**C** complete compliance application totale
							T partial compliance application partielle
						Performed by: Fait par:	

Remarks: Revision 1 Date: Signature:

Remarques: Revision 1