

FALCON *SERVICE BULLETIN ADVISORY*

DASSAULT AVIATION
SERVICE BULLETIN :

F900-368

DATE:

December 14, 2005

ATA CHAPTER: 34

COVERED MOD: M5013

TITLE: **NAVIGATION - ATC - ATC REPLY INHIBIT ON GROUND**

EFFECTIVITY: S/N 1 through 202, equipped with:

- COLLINS TDR-94D ATCs P/N 622-9210-004

or

- COLLINS TDR-94D ATCs P/N 622-9210-007 (SB F900-333 and revision 1 or Dassault Aviation modification M3623 applied or SB 348 and revision 1 or Dassault Aviation modification M3791).

REASON:

While the aircraft is on the ground, tests have shown that the above ATC units reply to all air traffic control interrogations. This is not in accordance with current regulatory requirements.

The purpose of this Service Bulletin is to make the FALCON 900 compliant to regulatory documents ED-73B and ICAO Annex 10 - Volume 4 - Amendment 77 which require that certain ATC replies are inhibited on the ground.

DESCRIPTION:

The operation consists in modifying the aircraft wiring connections to ATC1 and ATC2 connectors.

Note: SB F900-371 (TDR-94D - Extended Squitter inhibition) consists in similar operation on the same equipment. To reduce maintenance time, Dassault Aviation recommends to comply simultaneously with both Service Bulletins.

RELATED SB's: SB 333 - SB 348 and revisions and SB 371.

COMPLIANCE:

Recommended at the first convenient opportunity.

ESTIMATED
LABOR-HRS:

2 hours for modification and testing.
1 hour access time.

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

MATERIAL INFORMATION: Excluding locally procured material.

PART NUMBER TO ORDER	QTY	2005 UNIT PRICE (US\$)	REMARKS
None			

SPECIAL CONDITIONS: 2 labor-hours are free of charge until January 31, 2007.

TO ORDER, CONTACT YOUR DASSAULT FALCON SPARES ACCOUNT REPRESENTATIVE
Prices are subject to change without notice

FALCON *SERVICE BULLETIN*

FALCON 900

No 368

DECEMBER 14, 2005

ATA 34-41

NAVIGATION

ATC

ATC REPLY INHIBIT ON GROUND

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DASSAULT
A V I A T I O N

SERVICE BULLETIN

FALCON 900

F900-368

NAVIGATION

ATC

ATC REPLY INHIBIT ON GROUND

INITIAL ISSUANCE

date: December 14, 2005

List of effective pages:
1 to 8.

FALCON 900**F900-368****NAVIGATION****ATC****ATC REPLY INHIBIT ON GROUND**

1 . PLANNING INFORMATION**A . EFFECTIVITY**

This Service Bulletin is applicable to MYSTERE-FALCON 900 aircraft with serial numbers 1 through 202, equipped with:

- COLLINS TDR-94D ATCs P/N 622-9210-004),

or

- COLLINS TDR-94D ATCs P/N 622-9210-007 (SB F900-333 and revision 1 or DASSAULT AVIATION modification M3623 or SB F900-348 and revision 1 or DASSAULT AVIATION modification M3791).

B . REASON

Contrary to current regulatory requirements, while on the ground, the above ATC units reply to all air traffic control interrogations.

The purpose of this Service Bulletin is to make the MYSTERE-FALCON 900 compliant to regulatory documents ED-73B and ICAO Annex 10 – Volume 4 – Amendment 77 which require that certain ATC replies are inhibited on the ground.

C . DESCRIPTION

The operation consists in modifying the aircraft wiring connections to ATC1 and ATC2 connectors.

D . COMPLIANCE

Recommended at the first convenient opportunity.

E . APPROVAL

This Service Bulletin covers DASSAULT AVIATION modification MF900 M5013 which has been approved by EASA.

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

F . LABOR

Estimated labor-hours: 2 hours for modification and testing.
1 hour access time.

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.



FALCON 900

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G . MATERIAL – PRICE AND AVAILABILITY

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

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
93352 – 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

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.



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J . REFERENCES

Maintenance and Repair Instructions:

- Chap. 51-50-04.
- Chap. 51-50-05.

Maintenance Manual:

- Procedure 32-319.

Wiring Manual (A/C < 179 except S/N 169):

- Chap. 34-52-01.
- Chap. 34-52-51.

Wiring Manual (A/C $\geq$ 179 and S/N 169):

- Chap. 23-11-10.
- Chap. 23-11-30.

Illustrated Parts Catalog, chap. 34-50-40.

K . OTHER PUBLICATIONS AFFECTED

The following publications will be revised as a consequence of this Service Bulletin:

- Maintenance Manual.
- Wiring Manual.
- Airplane Flight Manual.
- Operating Manual



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2 . ACCOMPLISHMENT INSTRUCTIONS

A . PRELIMINARY STEPS

- (1) Aircraft on wheels, battery switches "OFF", no ground power unit connected to the aircraft.
- (2) Open the nose cone.
- (3) If necessary, remove the interior completion items required to gain access to ATC1 (L3SH), (LH electrical cabinet, frames 4-5).

B . GENERAL ELECTRICAL INSTRUCTIONS

- (1) When mechanical retrofit and/or modification operations are performed on the aircraft, take special care to protect the wiring in order to prevent metal chips (or burrs) from penetrating into the wire bundles, since they could eventually damage the insulation sheathing of the wires. Whenever possible, it is recommended that the wiring be removed from the work area. If that is not possible, it is absolutely necessary to protect the wiring.
- (2) Check that all connections are properly protected to ensure proper insulation and that markings are visible and appropriate.
- (3) Connector wires should be inserted and extracted as per the recommendations in MRI, chapter 51-50-04.
- (4) Electric and electronic equipment should be removed and installed as per the recommendations in MRI, chap. 51-50-05.

C . MODIFICATION ON AIRCRAFT WITH S/N < 179 EXCEPT S/N 169

- (1) Remove ATC 1 (L3SH) and ATC 2 (R3SH) (IPC, chap. 34-50-40, fig. 11, item 40. Gain access to the wiring connected to connectors (L3SHA), (L3SHB), (R3SHA) and (R3SHB).
- (2) Make the electrical modifications in accordance with the diagram in figure 1.

NOTE: On each ATC, disconnect #24 gauge wires from terminal 53 of connectors (L3SHB) and (R3SHB) and reconnect them to terminal 27 of connectors (L3SHA) and (R3SHA).

D . MODIFICATION ON AIRCRAFT WITH S/N ≥ 179 AND S/N 169

- (1) Remove ATC 1 (L3SH) and ATC 2 (R3SH) (IPC, chap. 34-50-40, fig. 11, item 40. Gain access to the wiring connected to connectors (L3SH1), (L3SH2), (R3SH1) and (R3SH2).
- (2) Make the electrical modifications in accordance with the diagram in figure 2.

NOTE: Disconnect wire 23111011 from terminal 53 of connector (L3SH2) and reconnect it to terminal 27 of connector (L3SH1).
Disconnect wire 23113100 from terminal 53 of connector (R3SH2) and reconnect it to terminal 27 of connector (R3SH1).



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E . CHECK – TESTING – INSTALLATION

- (1) Install the ATCs in the aircraft.
- (2) In the RTU 1 (or the control box CTL92), select the mode A.
- (3) Contact the Air Traffic Control (secondary radar) to obtain an STC's interrogation. Verify there is no reply from ATC 1 to this interrogation.
- (4) Repeat the same operation with the ATC 2.
- (5) In accordance with the instructions of Maintenance Manual, procedure 32-319, simulate the flight position. Then, verify there is a reply from ATC 1 and ATC 2 to the Control's interrogation.

F . DOCUMENTATION

Incorporate the following Temporary Changes into the Airplane Flight Manual:

- No. 92 (MYSTERE FALCON 900 with S/Ns < 179 except S/N 169).
- No. 23 (MYSTERE FALCON 900 with S/Ns ≥ 179 and S/N 169).

G . FINAL STEPS

Reverse the operations described in paragraph 2. A.

H . 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.

Incorporate the diagram in figure 1 or 2 into the Wiring Diagram Manual.



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3 . MATERIAL INFORMATION

A . LOCAL PROCUREMENT

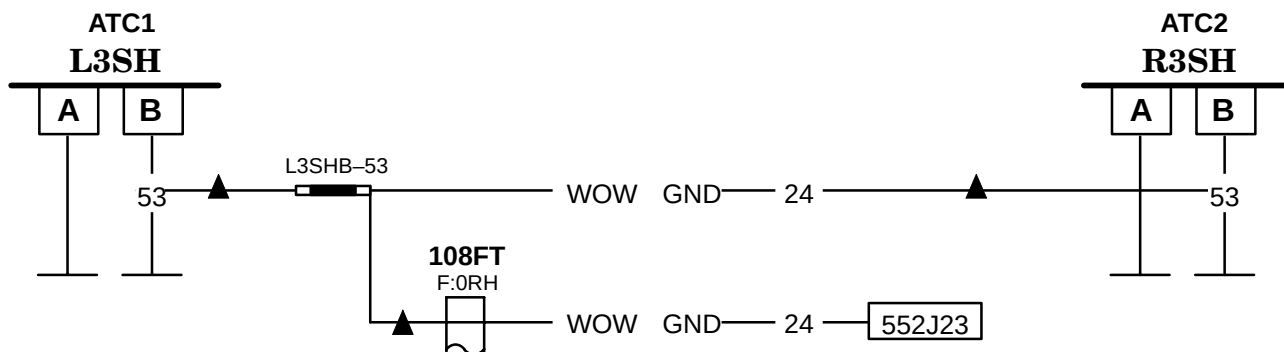
None.



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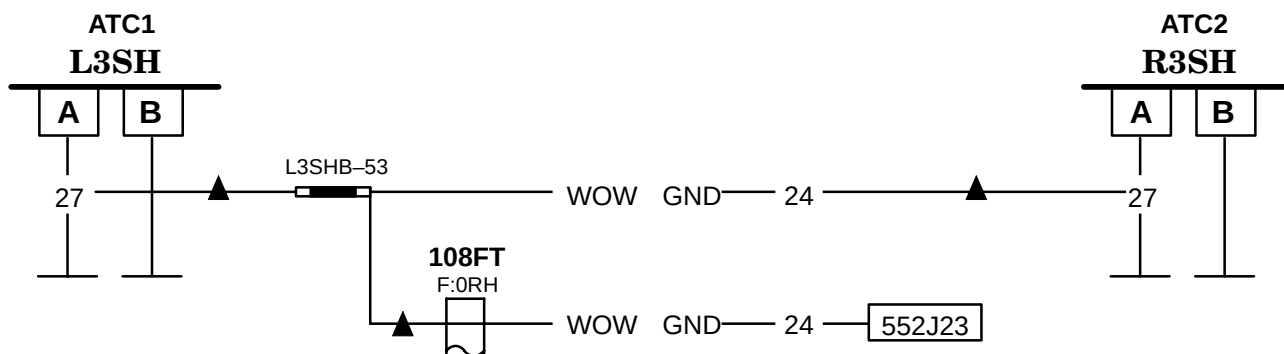
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BEFORE MODIFICATION



AFTER MODIFICATION

CHANGE TO WIRING DIAGRAM MANUAL: 34-52-01
34-52-51



A/C < 179 EXCEPT S/N 169

- FIGURE 1 -

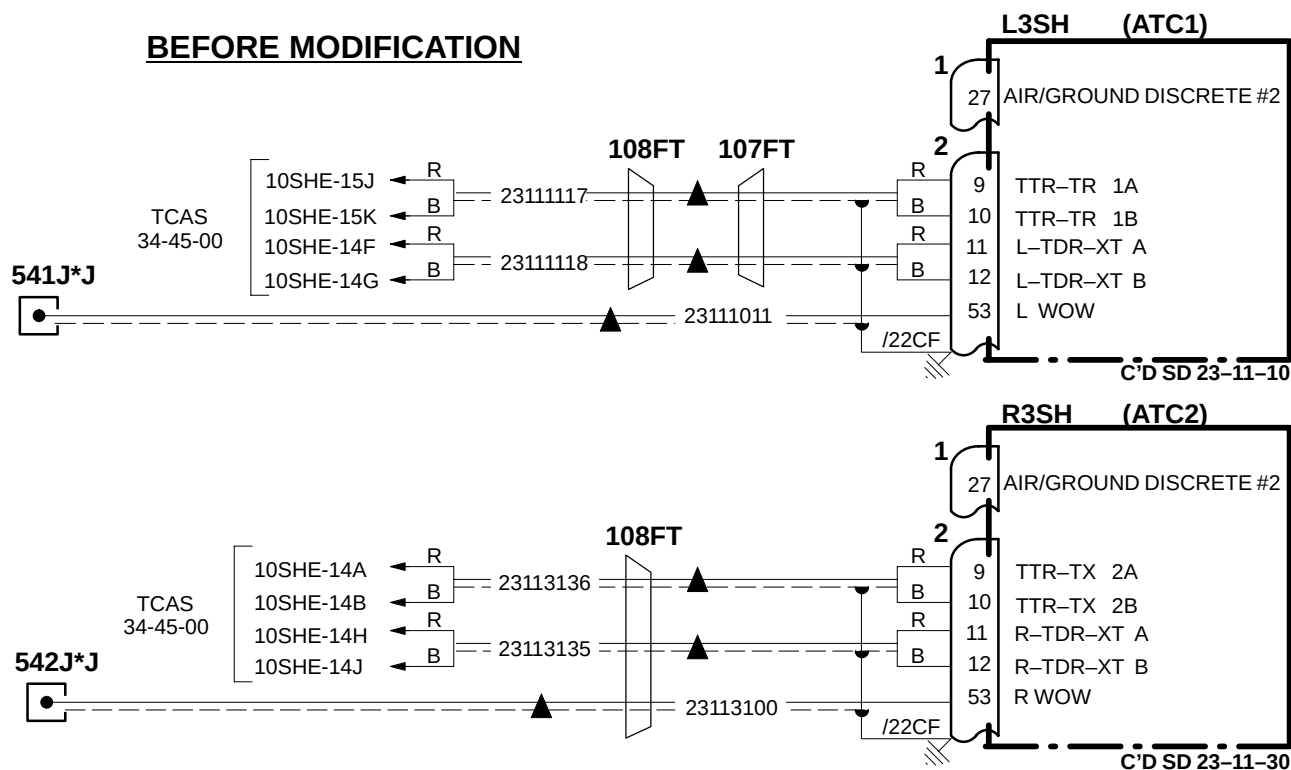
▲ : Existing wire



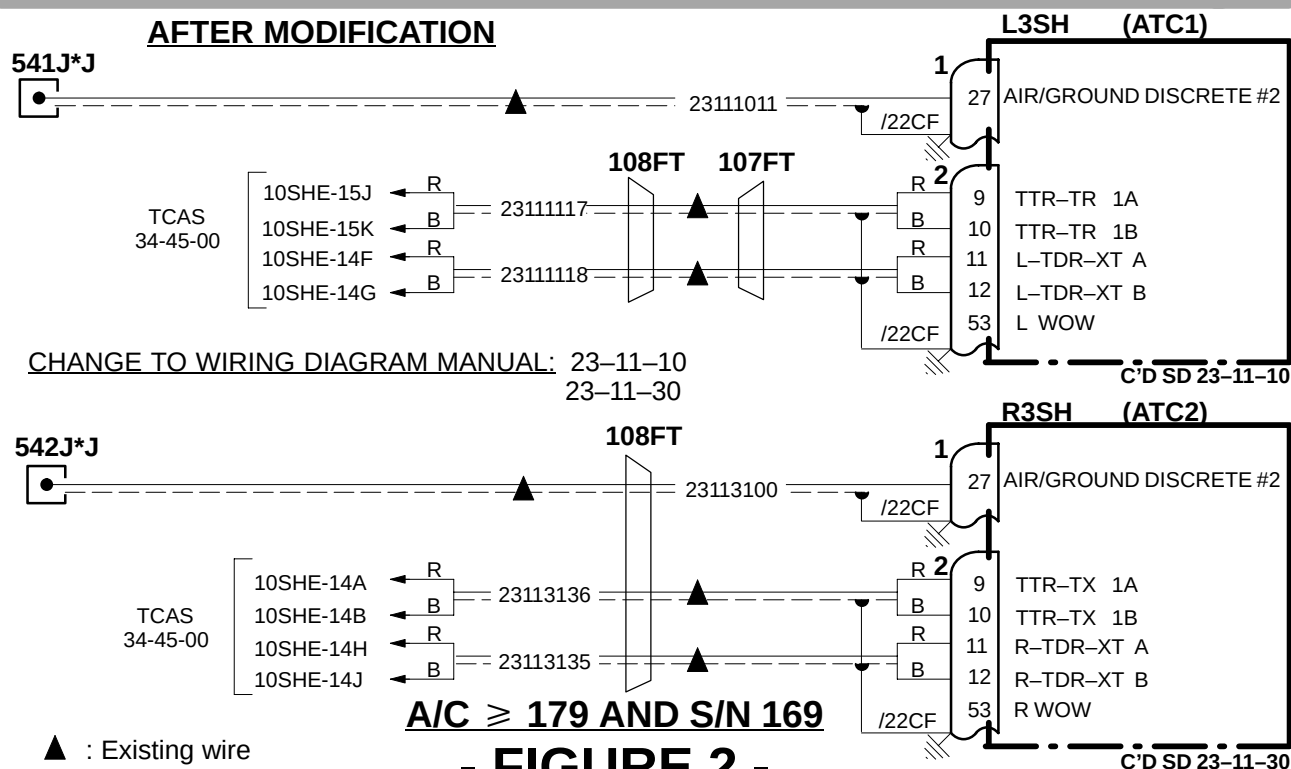
FALCON 900

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BEFORE MODIFICATION



AFTER MODIFICATION



- FIGURE 2 -

FROM _____

ZIP CODE _____



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



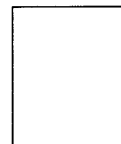
BUSINESS REPLY MAIL

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 900

A/C S/N

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DASSAULT AVIATION Number

ATA Number

F900	368
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F900	34	41	
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Coding:

C	complete compliance
T	partial compliance

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Performed by:

Remarks:

Initial issuance

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 appliqué ce Bulletin de Service sur votre avion, veuillez avoir l'amabilité de nous en informer :

– Utiliser la carte réponse supérieure pour continent américain (**Dispensée de timbrage pour postage depuis les U.S.A.**) ou le fax pour Dassault Falcon Jet : 1–201–541–4700.

– Ou la carte réponse inférieure pour autres continents ou le fax pour Dassault Aviation : 33 (0)1.47.11.65.21.

Eventuellement, si d'autres Bulletins de Service ont été appliqués simultanément, vous pouvez les mentionner dans les cases vierges prévues à cet effet.

SERVICE BULLETINS COMPLIANCE

APPLICATION DES BULLETINS DE SERVICE

FALCON 900

Avion N°

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DASSAULT AVIATION Number
Numéro DASSAULT AVIATIONATA Number
Numéro ATA

F900	368
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F900	34	41	
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Coding:

C	complete compliance application totale
T	partial compliance application partielle

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Performed by:

Fait par :

Remarks:

Initial issuance

Date :

Signature :

Remarques :

Edition originale