

Service Bulletin No: 24-006
Modification No: Inspection**Ref No: 148**
ATA Chapter: 24**ELECTRICAL POWER - GENERAL**
INSPECTION OF THE WIRING LOOM FOR CHAFING NEAR THE REAR GPS MOUNTING RACK**1. Planning Information****A. Effectivity**

MSN 685 thru MSN 764.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

An Operator has reported chafing of the wiring loom installed adjacent to the backplate of the rear GPS-500 mounting rack.

(2) Cause

Investigation has shown the possibility that the wire loom could have been routed with minimal clearance to the backplate of the rear GPS-500 mounting rack. As a result of this, the wiring loom could chafe on the rear GPS-500 backplate causing damage to wire insulation.

(3) Solution

Do an Inspection of the wires of the wiring loom installed adjacent to the backplate of the rear GPS-500 mounting rack and if necessary, install a protective cover.

D. Description

This Service Bulletin gives the data and instructions necessary to:

- (1) Do an Inspection of the wires installed adjacent to the backplate of the rear GPS-500 mounting rack.
- (2) If necessary, repair or replace damaged wires.
- (3) If necessary, install a protective sleeve on the wiring loom.
- (4) Report all findings to Pilatus.

E. Compliance

Mandatory.

- Accomplishment of this Service Bulletin is required at the next annual servicing.

F. Approval

The technical content of this Service Bulletin is approved under the authority of Letter of DOA Acceptance ref. FOCA.21J.002.

Pilatus advises Operators/Owners to check with their designated Airworthiness Authorities for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

G. Copyright Information

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H. Manpower

	Man-Hours Inspection
Preparation	0.50
Inspection	0.25
Close up	0.50
TOTAL MAN-HOURS	1.25

I. Weight and Balance

(1) Weight Change

Negligible.

(2) Moment Change

Negligible.

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM): 20-31-00, 24-00-00, 34-13-03.

M. Publications Affected

None.

N. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

No modification kit is necessary to do this Service Bulletin.

Operators who require further information on Price and Availability should contact their Customer Liaison Manager at:

Pilatus Aircraft Ltd,
6371 Stans,
Switzerland.

Operators are requested to advise Pilatus Aircraft Ltd. of the Manufacturer's Serial Number (MSN), the flying hours and landings of aircraft which are allocated for this Service Bulletin using the Service Bulletin Evaluation Form.

B. Material Necessary for Each Aircraft

(1) Material to be Procured

None.

(2) Operator Supplied Materials (Ref. AMM 20-31-00)

MATERIAL NO.	DESCRIPTION	QTY	REMARKS
-	PROTECTION SLEEVE	A/R	P/N 917.96.92.155
P09-005	CABLE TIE	A/R	
P09-008	CABLE TIE	A/R	
P09-014	CABLE TIE	A/R	

NOTE: The protection sleeve (P/N 917.96.92.155) is only necessary if you find chafed wires during the inspection (Ref. Para 3.B.(3)).

C. Material Necessary for Each Spare

None.

D. Re-identified Parts

None.

E. Tooling - Cost and Availability

Not applicable.

3. Accomplishment Instructions**A. Preparation**

Remove the coaming from the rear cockpit instrument-panel (Ref. 34-13-03, Page Block 401).

B. Inspection

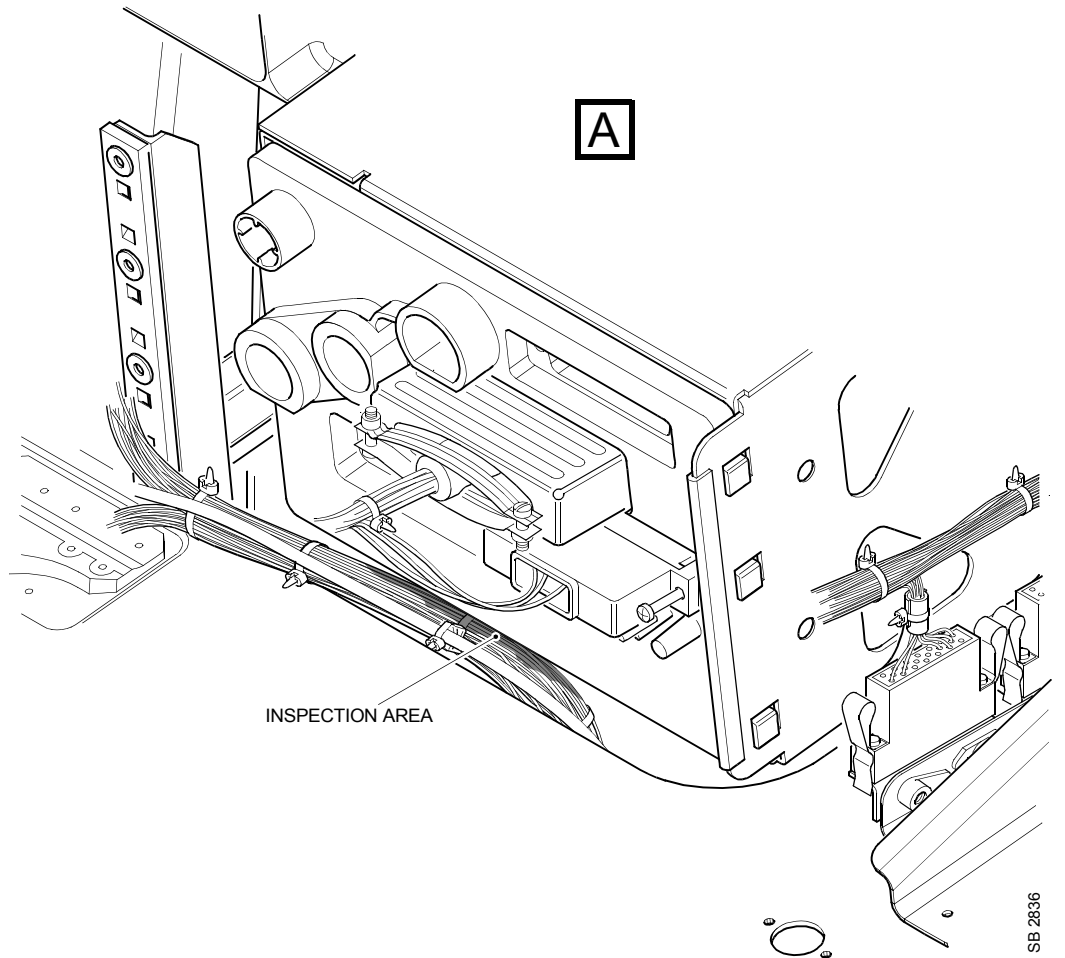
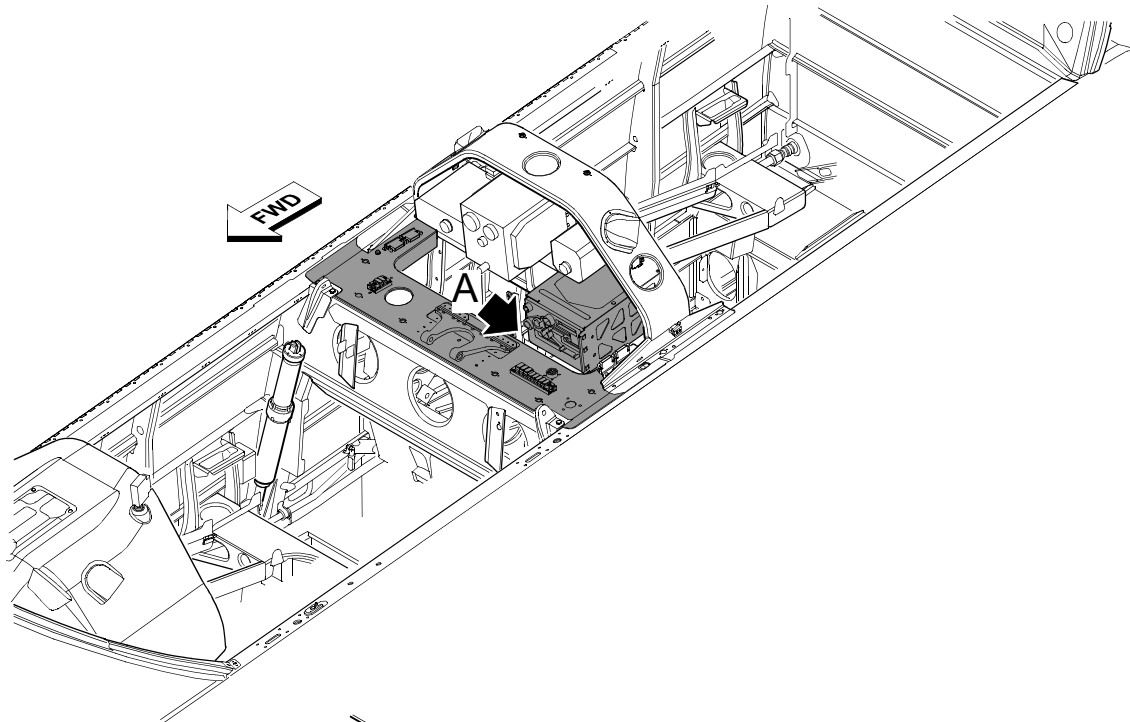
- (1) Do a visual inspection of the wiring loom adjacent to the backplate of the rear GPS-500 mounting rack (Ref. Fig. 1 and 24-00-00, Page Block 201, Para. 3.A.).
- (2) If you find signs of chafing and you can see the bare wires under the insulation, do these steps:
 - (a) Repair or replace the wire(s). If necessary, contact Pilatus for more information.
 - (b) In the area where the wiring loom is adjacent to the backplate, remove the cable ties that hold the wiring loom.
 - (c) Move the wiring loom, as much as possible, away from the backplate to get clearance between the wiring loom and the backplate.
 - (d) Install the protection sleeve (P/N 917.96.92.155) (Ref. 24-00-00, Page Block 201, Para. 3.B.).
 - (e) Install the cable ties (Material No. P09-005 and/or P09-008 and/or P09-014), as necessary, to hold the wiring loom.
- (3) If you find signs of chafing but you cannot see bare wires under the insulation, do these steps:
 - (a) In the area where the wiring loom is adjacent to the backplate, remove the cable ties that hold the wiring loom.
 - (b) Move the wiring loom, as much as possible, away from the backplate to get clearance between the wiring loom and the backplate.
 - (c) Install the protection sleeve (P/N 917.96.92.155) (Ref. 24-00-00, Page Block 201, Para. 3.B.).
 - (d) Install the cable ties (Material No. P09-005 and/or P09-008 and/or P09-014), as necessary, to hold the wiring loom.
- (4) Report your findings to Pilatus.

C. Job Close-Up

- (1) Remove all equipment, materials and tools from the work area. Make sure that the work area is clean.
- (2) Install the coaming from the rear cockpit instrument-panel (Ref. 34-13-03, Page Block 401).

D. Documentation

- (1) Make an entry in the Aircraft Logbook that this Service Bulletin has been incorporated.
- (2) Use the Service Bulletin Evaluation Sheet and report your results and the serial number of the aircraft to Pilatus.



SB 2836

Wiring Loom/Rear GPS-500 Mounting-Rack Backplate - Inspection
Figure 1

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SERVICE BULLETIN EVALUATION SHEET FOR SB No. 24-006			
Title	Electrical Power - General - Inspection of the Wiring Loom for Chafing Near the Rear GPS Mounting Rack		
Customer			
Service Center			
EMBODIMENT REPORTING			
This SB has been embodied:		<input type="checkbox"/>	On the entire fleet
		<input type="checkbox"/>	Only partially
Provide embodiment details per aircraft (use additional copies of this table, if necessary)			
MSN	Flying Hours	MSN	Flying Hours
Additional embodiment comments/findings			
EDITORIAL COMMENTS (procedure, kit quality, suggested improvements, etc.)			
Name	Signature	Date	
Please complete and forward this form to: Pilatus Aircraft LTD, Customer Technical Support (MCC), P.O. BOX 992, 6371 Stans, Switzerland Fax: +41 (0)41 619 6773 Email: Techsupport@pilatus-aircraft.com			

SERVICE BULLETIN EVALUATION SHEET

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