

Service Bulletin No: 25-009

Ref No: 163

Modification No: Inspection

ATA Chapter: 25

**EQUIPMENT AND FURNISHINGS - EJECTION SEATS
INSPECTION OF THE HARLEY-TYPE BUCKLE ASSEMBLIES ON THE SEAT HARNESSES OF THE
FRONT AND REAR EJECTION SEATS****1. Planning Information****A. Effectivity**

All PC-9 aircraft.

All ejection seats, held as spare or in stock

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

There has been a reported incident where the adjustable shoulder strap of a seat harness was found to be unattached to the main harness. Subsequent investigation concluded that one of the two release bar retaining screws located on Harley-type buckle assemblies was missing and the other one was loose and could be unscrewed by hand.

(2) Solution

An inspection is done to the Harley-type buckle assemblies on the seat harnesses of the front and rear ejection seats in accordance with Martin Baker Special Information Leaflet No. 864:

- If no movement is found in the two release bar retaining screws, no further action is required
- If movement is found in the two release bar retaining screws, the seat harnesses must be removed from service, or from stores and not used.

D. Description

This Service Bulletin gives the data and instructions necessary to inspect the Harley-type buckle assemblies on the seat harnesses of the front and rear ejection seats in accordance with the Martin Baker Special Information Leaflet No. 864.

E. Compliance

Mandatory.

Accomplishment is required before the next flight.

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

Refer to the Martin Baker Special Information Leaflet No. 864.

I. Weight and Balance

Not changed.

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM): 25-10-00.

Martin Baker Special Information Leaflet No. 864.

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

Refer to Martin Baker Special Information Leaflet No. 864.

C. Material Necessary for Each Spare

None.

D. Re-identified Parts

Not applicable.

E. Tooling - Cost and Availability

Refer to Martin Baker Special Information Leaflet No. 864.

3. Accomplishment Instructions (On Aircraft)

WARNING: MAKE SURE THAT THE SAFETY PIN IS INSTALLED IN THE EJECTION SEAT FIRING HANDLE BEFORE YOU DO WORK IN THE COCKPIT. WHEN THE SAFETY PIN IS NOT INSTALLED, YOU CAN ACCIDENTALLY OPERATE THE EJECTION SEAT. MAKE SURE THAT ALL STRAPS, HARNESSSES, BUCKLES OR CONNECTORS AND ANY OTHER ITEM WHICH MAY CAUSE AN OBSTRUCTION ARE KEPT CLEAR OF ALL MOVING COMPONENTS OF THE EJECTION SEAT DURING RAISING AND LOWERING OPERATION. THE EJECTION SEAT CAN KILL OR CAUSE AN INJURY TO PERSONNEL AND CAN CAUSE DAMAGE TO EQUIPMENT (REF. AMM 25-10-00).

A. Preparation

- (1) Do the safety precautions applicable for the ejection seats and command firing system (Ref. AMM 25-10-00, Page Block 201).

B. Inspection

- (1) Do an inspection of the Harley-type buckle assemblies on the seat harnesses of the front and rear ejection seats in accordance with Martin Baker Special Information Leaflet No. 864:
 - If no movement is found in the two release bar retaining screws, no further action is required
 - If movement is found in the two release bar retaining screws, the seat harnesses must be removed from service.

C. Test

Not applicable.

D. Close-Up

- (1) Refer to Martin Baker Special Information Leaflet No. 864.
- (2) Remove all equipment, materials and tools from the work area. Make sure that the work area is clean.

E. 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.

4. Accomplishment Instructions - (Ejection Seats Held as Spares or in Stock)

- A. Do an inspection of the Harley-type buckle assemblies on the seat harnesses of the front and rear ejection seats in accordance with Martin Baker Special Information Leaflet No. 864:
- If no movement is found in the two release bar retaining screws, no further action is required
 - If movement is found in the two release bar retaining screws, the seat harnesses must be removed from stores and not used.
- B. Documentation
- (1) Make an entry on the equipment label that this Service Bulletin has been accomplished.
 - (2) Use the Service Bulletin Evaluation Sheet and report your results.

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SERVICE BULLETIN EVALUATION SHEET FOR SB No. 25-009			
Title	Equipment and Furnishings - Ejection Seats - Inspection of the Harley-Type Buckle Assemblies on the Seat Harnesses of the Front and Rear Ejection Seats		
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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