

Service Bulletin No: 95-010

Ref No: 269

Modification No: -

ATA Chapter: 95

**CREW ESCAPE AND SAFETY - EJECTION SEATS  
INSPECTION OF THE BAROSTATIC TIME RELEASE UNIT SEAR FOR CORRECT INSTALLATION****1. Planning Information****A. Effectivity**

All PC-21 Aircraft with Mk 16 ejection seats installed.

All ejection seats, held as spare or in stock.

**B. Concurrent Requirements**

None.

**C. Reason****(1) Problem**

Martin-Baker have been made aware by an operator of an issue whereby a Barostatic Time Release Unit (BTRU) was found partially cocked during seat arming. The sear retaining the spring loaded firing pin was found to be protruding past the face of the threaded plug. When correctly cocked, the face of the BTRU sear should not protrude past the face of the threaded plug.

**(2) Solution**

A one time check of the BTRU sear for correct assembly of the restrictor clamps on stored energy firing units is necessary.

**D. Description**

This Service Bulletin gives the data and instructions necessary to do a one time check of the BTRU sear and for correct assembly of the restrictor clamps on stored energy firing units during function and leak testing of ejection seats in accordance with Martin Baker Special Information Leaflet No. 948.

**E. Compliance**

Mandatory

This Service Bulletin must be accomplished before the next flight.

**F. Approval**

The technical content of this document is approved under the authority of the Letter of DOA acceptance ref. FOCA.21J.002.

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

**G. Copyright Information**

© Pilatus Aircraft Ltd. This document contains proprietary information that is protected by copyright. All rights are reserved. No part of this document may be copied, reproduced or translated to other languages without the prior written consent of Pilatus Aircraft Ltd.

**H. Manpower**

Refer to the latest revision of Martin Baker Special Information Leaflet No. 948.

**I. Weight and Balance**

Not changed

**J. Electrical Load Data**

Not changed.

**K. Software**

Not changed.

**L. References**

Aircraft Maintenance Manual:

95-00-00-00A-012A-A.

Martin Baker Special Information Leaflet No. 948.

**M. Publications Affected**

Not applicable

**2. Material Information****A. Material - Price and Availability**

No modification kit is required to do this Service Bulletin

Operators who require further information on this subject should contact their Customer Account Manager at:

Email: [techsupport@pilatus-aircraft.com](mailto:techsupport@pilatus-aircraft.com)

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

**B. Material Necessary for Each Aircraft**

Refer to the latest revision of Martin Baker Special Information Leaflet No. 948.

**C. Material Necessary for Each Spare**

Refer to the latest revision of Martin Baker Special Information Leaflet No. 948.

**D. Re-identified Parts**

Refer to the latest revision of Martin Baker Special Information Leaflet No. 948.

**E. Tools and Equipment**

Refer to the latest revision of Martin Baker Special Information Leaflet No. 948.

**3. Accomplishment Instructions**

**WARNING:** READ AND OBEY THE SAFETY PRECAUTIONS AT THE START OF CHAPTER 95, CREW ESCAPE AND SAFETY, BEFORE YOU GO IN OR NEAR TO THE COCKPIT. IF THE EJECTION SEAT AND THE CANOPY FRACTURING SYSTEM (CFS) OPERATE ACCIDENTALLY OR INCORRECTLY THEY CAN CAUSE DEATH OR INJURY TO PERSONNEL AND/OR DAMAGE TO EQUIPMENT.

**WARNING:** THE BTRU IS A STORED ENERGY FIRING UNIT. WITH THE EJECTION SEAT SAFETY DEVICES SET TO "SAFE FOR MAINTENANCE" A STORED ENERGY FIRING UNIT CAN STILL FIRE IF IT IS INCORRECTLY COCKED. REMAIN CLEAR OF THE PARACHUTE CONTAINER WHILE PERFORMING THIS SERVICE BULLETIN.

**NOTE:** For the safety precautions for the ejection seat and the CFS, refer to AMM, 95-00-00-00A-012A-A.

**A. Preparation**

- (1) Do the safety procedures for the crew escape and safety system, before you do work for the crew escape and safety system. Refer to AMM 95-00-00-00A-012A-A.

**B. Inspection**

- (1) Do the check of the BTRU sear for correct assembly of the restrictor clamps in accordance with the latest revision of [Martin Baker Special Information Leaflet No. 948](#).

**C. Test**

Not applicable

**D. Close up**

- (1) Remove all tools and materials. Make sure the work areas are 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 the check of the BTRU sear for correct assembly of the restrictor clamps in accordance with the latest revision of Martin Baker Special Information Leaflet No. 948.
- B. 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.

INTENTIONALLY BLANK

SERVICE BULLETIN EVALUATION SHEET FOR SB No. 95-010			
<b>Title</b>	<b>CREW ESCAPE AND SAFETY - EJECTION SEATS Inspection of the Barostatic Time Release Unit sear for correct installation</b>		
<b>Customer</b>			
<b>Service Center</b>			
EMBODIMENT REPORTING			
<b>This SB has been embodied:</b>		<input type="checkbox"/>	<b>On the entire fleet</b>
		<input type="checkbox"/>	<b>Only partially</b>
<b>Provide embodiment details per aircraft (use additional copies of this table, if necessary)</b>			
<b>MSN</b>	<b>Flying Hours</b>	<b>MSN</b>	<b>Flying Hours</b>
<b>Additional embodiment comments/findings</b>			
EDITORIAL COMMENTS (procedure, kit quality, suggested improvements, etc.)			
<b>Name</b>	<b>Signature</b>		<b>Date</b>
Please complete and send this form to: Email: <a href="mailto:techsupport@pilatus-aircraft.com">techsupport@pilatus-aircraft.com</a>			

**SERVICE BULLETIN EVALUATION SHEET**

INTENTIONALLY BLANK