

SERVICE BULLETIN

EJECTOR SNAPHOOKS Part Nos GQD14547 and IAC-A14997 (NSN 1670-99-4015560) – Wear of Guard Location Pin.

1. Planning Information.

A. Effectivity.

Part Number	NSN	Item
MRI IRV 844		Parachute Assembly Type EB80
MRI IRV 954		Parachute Assembly Type EB85/1
MRI IRV 966		Parachute Assembly Type EB85/2
MRI GQ 2051		Parachute Assembly Type EB85/3
MRI IRV 876	1670-99-7702700	Parachute Assembly Type B Mk 71
MRI IRV 877	1670-99-6295432	Parachute Assembly Type B Mk 72

B. Reason.

(1) Airborne Systems Limited have received a report that a fault has been discovered on a Parachute Assembly Type EB 85 where the tang of the Torsion Spring has abraded a groove into the Guard Location Pin.

(2) As a result of the above, Airborne Systems Limited require all customers of the subject Ejector Snaphooks fitted in the Parachute Assemblies listed above to carry out the following examination on all equipment fitted with the subject Ejector Snaphooks **PRIOR TO NEXT USE**:

- (a) Refer to Fig 1, open the Ejector Snaphook and visually inspect the Guard Location Pin for wear. This wear is visible in the form of a groove worn into the Pin. If the remaining material of the Pin is 50% or less than the original diameter of the Pin, the Ejector Snaphook is to be removed from Service-Use immediately. Guard Location Pins where there is no sign of wear or where the remaining material is greater than 50% of the original diameter of the pin, may continue in use subject to an After Last Flight Daily examination. The Snaphook is to be checked for distortion or bending of the pin. Restriction of movement of the Spring Tang renders the Ejector Snaphook unserviceable and is to be removed from Service Use immediately.

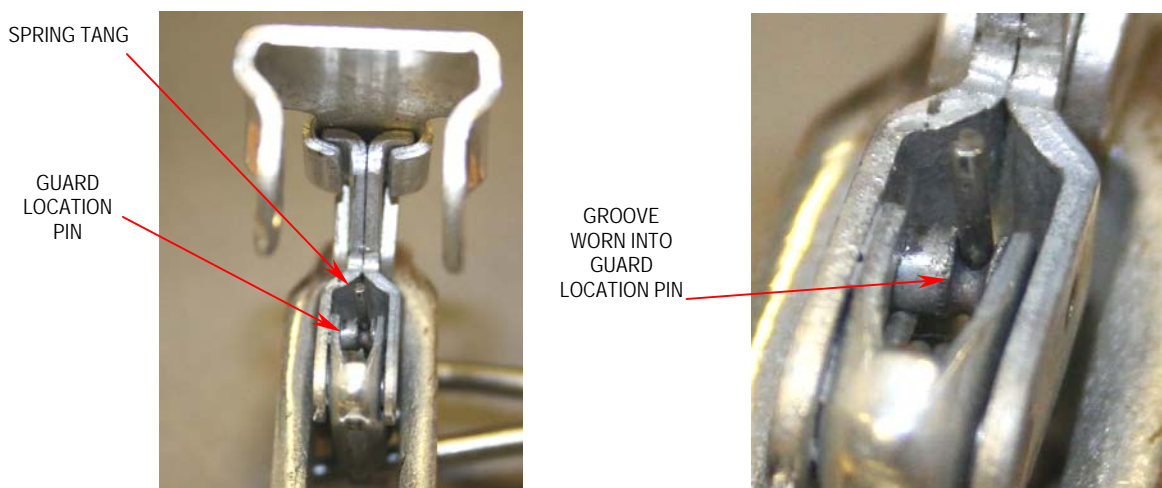


Fig 1 Wear on Guard Location Pin

SERVICE BULLETIN

- (b) The results of this examination detailing the total quantity of Snaphooks / Assemblies withdrawn from Service Use are to be forwarded to Airborne Systems Limited for the attention of Mark Harris, Quality and Compliance by E Mail at mark.harris@airborne-sys.com
- (c) Airborne Systems Limited has an ongoing investigation to determine the reason for this reported fault and the method of rectification.

NOTE

The Ejector Snaphooks have either of two types of Torsion Spring fitted. Figs 2 and 3 illustrate the two types of Torsion Spring. This Service Bulletin is applicable to the single tang torsion spring illustrated at Fig 3.



Fig 2 Identification of black double tang torsion spring
(not subject to this Service Bulletin)

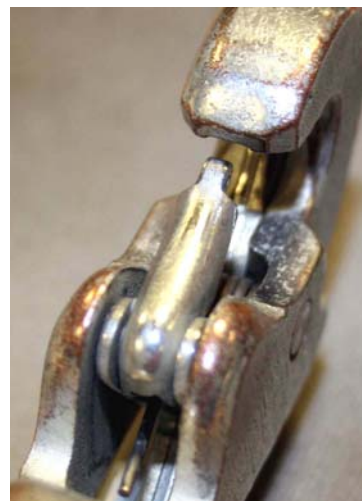
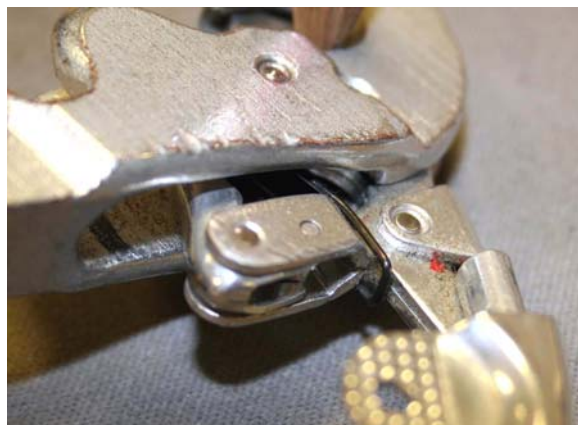


Fig 3 Identification of single tang spring
(subject of this Service Bulletin)

SERVICE BULLETIN


C. Description.

- (1) This Service Bulletin gives instructions on which assemblies are affected and how to examine the affected equipment.

D. Approval.

- (2) This service bulletin has been reviewed by Airborne Systems Limited and the tests and modifications herein comply with the applicable Aviation Regulations and are **APPROVED** for installation in the listed assemblies.

Author  Date... 05 Aug 08

Checked  Date... 05 Aug 08

Approval.

The technical accuracy of this Service Bulletin has been verified and is certified as correct.

Signed 
Date 05 Aug 08

E. Manpower.

- (1) This task will take approximately 0.1 manhours to complete.

F. Material.

- (1) No special material is required.

G. Tooling.

- (1) No Tooling is required:

H. Weight.

- (1) No change.

I. Electrical Load Data.

- (1) Not Affected.

J. Software Accomplishment Summary.

- (1) Not Affected.

SERVICE BULLETIN

K. References.

- (1) Not applicable.

L. Other Publications Affected.

- (1) AP108C-0159-123 - Parachute Assembly Type B Mk 71
- (2) AP108C-0160-123 - Parachute Assembly Type B Mk 72
- (3) Manual IRV 2170 - EB85 Packing and Servicing manual
- (4) Manual RD284 – EB80 Packing and Servicing manual

M. Family Tree Charts of Modification Relationships.

- (1) Not applicable.

N. Interchangeability or Intermixability of Parts

- (1) Not applicable.

2. Accomplishment Instructions:

For all equipment fitted with Ejector Snaphooks carry out the following examination on each subject Ejector Snaphook:

EXAMINATION

Ejector Snaphooks

A. Examination Procedure:

The purpose of this examination is to make a field determination as to the scope of the problem with the Ejector Snaphooks fitted to harnesses etc.

This test must be done prior to the next use of the Ejector Snaphook or assembly to which the subject Ejector Snaphooks are fitted.

B. Comment:

This examination allows the user in the field to make a preliminary determination as to whether the Ejector Snaphooks fitted to in use equipment are serviceable. It is not necessary to remove the Ejector Snaphooks from assemblies, harnesses etc. to perform this examination.

SERVICE BULLETIN

C. Procedure:

(1) Open the Ejector Snaphook and visually inspect the Guard Location Pin for wear. This wear is visible in the form of a groove worn into the Pin. If the remaining material of the Pin is 50% or less than the original diameter of the Pin, the Ejector Snaphook is to be removed from Service-Use immediately.

(2) Guard Location Pins where there is no sign of wear or where the remaining material is greater than 50% of the original diameter of the pin, may continue in use subject to an After Last Flight Daily examination. The Snaphook is to be checked for distortion or bending of the pin. Restriction of movement of the Spring Tang renders the Ejector Snaphook unserviceable and is to be removed from Service Use immediately.

D. Recording:

(1) Upon successful completion of this examination, ASE SB 010.

(2) The equipment log card (where applicable) must be annotated to show compliance with Airborne Systems Limited Service Bulletin ASE SB 010.

E. Reporting:

(1) Any Ejector Snaphook found to fail the examination, should be notified to the Quality Manager, Airborne Systems Limited.

(2) Affected Equipment notified to Airborne Systems Limited in accordance with Airborne Systems Limited Service Bulletin ASE SB 010.

L. Follow Up Action:

Following receipt of the results of the examination detailed in ASE SB 010 Airborne Systems will determine a method of rectification.

Quality Director
AIRBORNE SYSTEM LIMITED
Llangeinor
Bridgend
UK

CF 32 8PL

Material Information

A. Contained within Section 2; Accomplishment Instructions.