



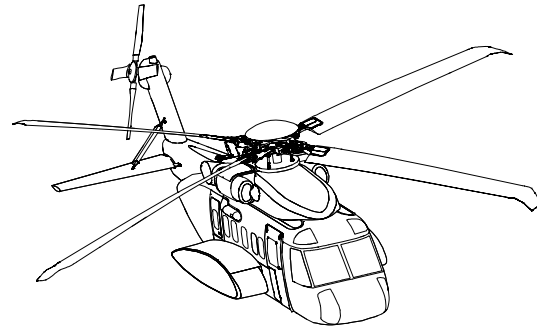
Sikorsky Aircraft Corporation

6900 Main Street P.O. Box 9729
Stratford, Connecticut 06615-9129
(203) 386-4000

S-92[®] HELICOPTER

ALERT SERVICE

BULLETIN



NOTICE TO ALL PERSONS RECEIVING THIS DOCUMENT:

WARNING: THIS DOCUMENT, OR AN EMBODIMENT OF IT IN ANY MEDIA, DISCLOSES INFORMATION WHICH IS PROPRIETARY, IS THE PROPERTY OF LOCKHEED MARTIN CORPORATION AND/OR ITS SUBSIDIARIES, IS AN UNPUBLISHED WORK PROTECTED UNDER APPLICABLE COPYRIGHT LAWS, AND IS DELIVERED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED, DISCLOSED, REPRODUCED, IN WHOLE OR IN PART (INCLUDING REPRODUCTION AS A DERIVATIVE WORK), OR USED FOR MANUFACTURE FOR ANYONE OTHER THAN LOCKHEED MARTIN CORPORATION AND/OR ITS SUBSIDIARIES WITHOUT ITS WRITTEN CONSENT, AND THAT NO RIGHT IS GRANTED TO DISCLOSE OR SO USE ANY INFORMATION CONTAINED HEREIN. ALL RIGHTS RESERVED. ANY ACT IN VIOLATION OF APPLICABLE LAW MAY RESULT IN CIVIL AND CRIMINAL PENALTIES.

S-92[®] IS A REGISTERED TRADEMARK OF SIKORSKY AIRCRAFT CORPORATION.

ASB 92-25-026

Basic Issue ▪ March 5/20

SUBJECT: EQUIPMENT FURNISHINGS – Side Facing Utility Seat – One Time Inspection of Side Facing Utility Seat (MBCS12410AA001) and Observer Seat (MBCS12200, and MBCS7301-2) and Repair with New Tube Assembly if Necessary

Section 1. PLANNING INFORMATION

- A. Effectivity All S-92A helicopters serial numbers 920006 through 920296 equipped with side facing utility seats (MBCS12410AA001) and observer seats (MBCS7301-2 and MBCS12200,) including spares, delivered as of the release date of this ASB.
- B. Purpose To identify side facing utility seats (MBCS12410AA001) and observer seats (MBCS7301-2 and MBCS12200) that were fabricated with an alternate tube assembly finishing process, that does not meet Sikorsky requirements, and repair if necessary.
- C. Background During dynamic testing, a utility seat (MBCS12410AA001) became detached from wall attachment points on one side of the utility seat. The root cause was identified as changes to the finishing process of the main back tube (MBCS4109) of the utility seat. This caused increased surface friction in the direction of the seat attenuation which prevents utility seat attenuation as required during a crash event. The main back tube (MBCS4109) is also common to observer seat (MBCS12200). Impact analysis has shown the observer seat may exhibit excessive lumbar loads in a crash event due to the affected main back tube (MBCS4109). A procedure was developed to inspect for affected seats, and repair as necessary.

ONE-TIME
INSPECTION

ATA
25-22-05

Page 1 of 8

Section 1. PLANNING INFORMATION (Continued)

D. Description

- NOTE:
- For association between the Martin Baker seat part numbers and Sikorsky part numbers, see Tables 1 and 2.
 - Utility seat (MBCS7301-2) is a lower level assembly to observer seat (MBCS12200).

Helicopter is prepared for maintenance. Martin Baker Special Information Leaflet (SIL) No. 831 and Martin Baker SIL No. 833 are complied with. Helicopter is returned to service.

- E. Compliance Compliance is essential. The repair outlined herein shall be accomplished no later than March 5, 2021.

- F. Approval The design change specified by this document is FAA approved in accordance with the applicable requirements of United States Federal Aviation Regulations 14 CFR Part 29. FAA approval constitutes EASA, Transport Canada, ANAC, and JCAB approval under the terms of current bilateral agreement procedures.

G. Manpower (Estimated)

<u>Task</u>	<u>No. of Men</u>	<u>No. of Hours</u>	<u>Man-Hours*</u>
Performance of Martin Baker SIL No. 831	1	2.0	<u>2.0</u>
Total Man-Hours (per side facing utility seat (MBCS12410AA001))			2.0
Performance of Martin Baker SIL No. 833	1	2.0	<u>2.0</u>
Total Man-Hours (per observer seat (MBCS12200, and MBCS7301-2))			2.0

*Estimate does not include time required to prepare helicopter or return it to flight status.

H. Tooling

<u>Qty</u>	<u>Nomenclature</u>	<u>Part No.</u>	<u>Source</u>
1	Roller	Commercially available	(1)

* Refer to Martin Baker SIL No. 831 and Martin Baker SIL No. 833

(1) Available through normal supply channels.

Section 1. PLANNING INFORMATION (Continued)

- I. Weight and Balance
Not affected.
- J. Electrical Load Data
Not affected.
- K. Software Load Data
Not changed.
- L. References
 - (1) Martin Baker SIL No. 831
 - (2) Martin Baker SIL No. 833
- M. Publications Affected
None.
- N. Attachment
 - (1) Martin Baker SIL No. 831
 - (2) Martin Baker SIL No. 833

Section 2. MATERIAL INFORMATION

- A. Procurement Requirements:

NOTE: Only top-level kits should be ordered. For part(s) inventory, see Bill of Material Table.

<u>New Part No.</u>	<u>Qty</u>	<u>Nomenclature</u>	<u>Instructions/ Disposition</u>
MBCS12995	1	Repair Kit, Utility Seat	(1)(2)
MBCS12992	1	Repair Kit, Observer Seat	(1)(3)

- (1) Part are available at no cost. For parts availability and lead time requirements, contact your Customer Service Representative at Sikorsky Commercial Inc. (SCI). Submit a no-cost purchase order referencing this ASB number and the side facing utility seat and observer seat serial number(s) on which these parts will be used. This will allow SCI and the operator to track shipment and receipt of parts. Orders will be accepted by letter, telephone, or through the SCI website: <https://customerportal.sikorsky.com>. For prompt shipment, reference address of each shipping destination. Direct your order to:

Section 2. MATERIAL INFORMATION (Continued)

Sikorsky Aircraft Corporation
Commercial Systems and Services
Mailstop K100
124 Quarry Road
Trumbull, CT 06611 U.S.A.
Attn: Account Service Manager
Telephone: (203) 416-4000
<https://customerportal.sikorsky.com>

(2) Refer to Martin Baker SIL No. 831 for affected side facing utility seat serial numbers.

(3) Refer to Martin Baker SIL No. 833 for affected observer seat serial numbers.

B. Basis for Material Data

Per helicopter.

C. Bill of Material

NOTE: Referenced parts below are for part(s) inventory of top-level kit(s). For top-level kit ordering, see Procurement Requirements Table.

<u>New Part No.</u>	<u>Qty</u>	<u>Nomenclature</u>	<u>Old Part No.</u>	<u>Reference</u>
MBCS12995	1	Repair Kit, Utility Seat		
Consisting of:				
MBCS12834	1	Tube Assembly, Back Main		
MBCS4148	2	Label Ident Warning		
P37689	9 in.	Scotchmate 25mm Blk Hook		
P38733	2	Pin, Split 1/16 dia x 0.50 (SP90-C4)		
P38774	4	Pin, Split 1/16 dia x 0.375 (SP90-C3)		
P35789	1	Strap, Tie Down MS3367-1-0		
MBCS12992	1	Repair Kit, Observer Seat		

Section 2. MATERIAL INFORMATION (Continued)

<u>New Part No.</u>	<u>Qty</u>	<u>Nomenclature</u>	<u>Old Part No.</u>	<u>Reference</u>
Consisting of:				
MBCS12834	1	Tube Assembly, Back Main		
MBCS4148	2	Label Ident Warning Seat Attenuated		
P37689	9 in.	Scotchmate 25mm Blk Hook		
P38774	4	Split Pin 1/16 dia x 0.375 (SP90-C3)		
P38765	2	Split Pin 5/32 dia x 0.625 (SP90-H5)		
P35789	1	Strap, Tie Down MS3367-1-0		

D. Consumable Material



OBSERVE ALL CAUTIONS AND WARNINGS ON CONTAINERS WHEN USING CONSUMABLES. WHEN APPLICABLE, WEAR NECESSARY PROTECTIVE GEAR DURING HANDLING AND USE. IF A CONSUMABLE IS FLAMMABLE OR EXPLOSIVE, MAKE CERTAIN CONSUMABLE AND ITS VAPORS ARE KEPT AWAY FROM HEAT, SPARK AND FLAME. MAKE CERTAIN FIREFIGHTING EQUIPMENT IS READILY AVAILABLE PRIOR TO USE. FOR ADDITIONAL INFORMATION ON TOXICITY, FLASHPOINT AND FLAMMABILITY OF CHEMICALS, CONSULT YOUR MEDICAL DEPARTMENT OR THE MANUFACTURER OF THE CONSUMABLE.

<u>Qty</u>	<u>Nomenclature</u>	<u>Part No.</u>	<u>Source</u>
A/R	Cheesecloth	CCC-C-440, or equivalent	(1)
A/R	Isopropyl alcohol	TT-I-735, or equivalent	(1)
A/R	3M™ Dual Lock	SJ3541, or equivalent	(1)
A/R	3M™ double sided tape	No. 468MP, or equivalent	(1)

* Refer to Martin Baker SIL No. 831 and Martin Baker SIL No. 833.

(1) Available through normal supply channels.

ONE-TIME
INSPECTION

ATA
25-22-05

Section 3. ACCOMPLISHMENT INSTRUCTIONS

- A. Prepare helicopter for modification:



TO PREVENT ELECTRICAL SHOCK OF PERSONNEL OR POSSIBLE DAMAGE TO HELICOPTER COMPONENTS, MAKE SURE TO TURN OFF ALL ELECTRICAL POWER.

- (1) Turn off all helicopter electrical and hydraulic power.
- (2) Engage rotor brake.

NOTE: Tables 1 and 2 can be used to associate the Martin Baker seat part numbers with Sikorsky part numbers.

- B. Inspect side facing utility seats (MBCS12410AA001) and observer seats (MBCS12200, and MBCS7301-2) for serial numbers listed in Table 2 of Martin-Baker SIL No. 831 and Martin-Baker SIL No. 833.
- C. Remove existing placards (06092A01F100-2, 06092A01F100-3, and 06092A01F100-4) from aft side of seat (MBCS12410AA001) as required.
- D. Review and comply with attached Martin-Baker SIL No. 831 and Martin-Baker SIL No. 833.
- E. Reinstall previously removed placards (06092A01F100-2, 06092A01F100-3, and 06092A01F100-4) on aft side of seats (MBCS12410AA001) in previously installed location as follows:

- (1) Clean bonding surface of aft side of seats using cheesecloth (CCC-C-440) and isopropyl alcohol (TT-I-735).

NOTE: 3M™ Dual Lock (SJ3541), shall be cut as necessary for best fit.

- (2) Using 3M™ Dual Lock (SJ3541), install placards (06092A01F100-2, and 06092A01F100-3) on aft side of seat.
- (3) Using 3M™ double sided tape (No. 468MP), install placard (06092A01F100-4) on aft side of seat.
- (4) Using a roller (commercially available), apply firm pressure to placards (06092A01F100-2, 06092A01F100-3, and 06092A01F100-4) to obtain intimate contact to the bonding surface of aft side of seat.



MAKE SURE ALL FOREIGN OBJECT DEBRIS (FOD) IS REMOVED BEFORE RETURNING HELICOPTER TO SERVICE.

- F. Inspect for remaining FOD. Clean as required.
- G. Return helicopter to service.

Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

TABLE 1 – S-92 SIDE FACING UTILITY SEAT

Supplier Part Number	Sikorsky Part Number	Kit Part Number
MBCS12410AA001	N/A	92276-20022-014
	92500-82735-101	92073-95001-015 92500-82011-012 92500-82011-015
	92500-82735-105	92073-95001-015 92500-82011-012 92500-82011-015

TABLE 2 – S-92 OBSERVER SEAT

Supplier Part Number	Supplier/Sikorsky Part Number	Assembly Part Number	Kit Part Number
MBCS7301-2	MBCS12200	92500-02833-041	92500-02833-011
	92500-02833-102		

ONE-TIME
INSPECTION

ATA
25-22-05

Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

H. Record of compliance:

- (1) Make helicopter logbook entries to show compliance with this ASB as follows:
 - (a) Make helicopter level logbook entry on form SA7343-15 (Aircraft ASB Release Signoff).
 - (b) When ASB modifies a component that can be removed from this helicopter:
 1. Make component log card entries on forms SA7343-22 (Aircraft Component Log Cards) and SA7343-21 (Component Log Cards), as applicable.
 2. If a component modified by this ASB does not have a log card and the ASB does not create one, then annotate compliance on the next higher assembly that the component belongs to which does have a log card.

NOTE: If access to www.Sikorsky360.com is unavailable, complete attached ALERT SERVICE BULLETIN COMPLIANCE RECORD CARD and return it to Sikorsky Aircraft Corporation.

- (2) Make an appropriate electronic compliance entry in the E-Notification section at www.Sikorsky360.com. Refer to User Guide located on the www.Sikorsky360.com/E-Notification Search page.

(Fold over and tape closed)

SIKORSKY AIRCRAFT CORPORATION

FACSIMILE NUMBER (817) 762-6715

EMAIL ADDRESS: product_safety.gr-sik@lmco.com

ATTENTION: Gr-SIK, Product_Safety
SIKORSKY AIRCRAFT CORPORATION

IMPORTANT NOTICE

Upon COMPLIANCE with the attached ASB, Sikorsky requests your cooperation in completing and returning this ENTIRE PAGE by MAIL, FAX, or scan & EMAIL.

Please fill in the requested information at the bottom of the page, so we may maintain proper records documenting the configuration of your aircraft. This information is useful when determining configuration and effectivity of issues affecting fielded aircraft.

This request is in keeping with our policy to assure that our customers receive the latest information applicable for the maintenance of your aircraft. Thank you.

ALERT SERVICE BULLETIN: 92-25-026 **Compliance Record Card**

TITLE: EQUIPMENT FURNISHINGS – Side Facing Utility Seat – One Time Inspection of
Side Facing Utility Seat (MBCS12410AA001) and Observer Seat (MBCS12200, and
MBCS7301-2) and Repair with New Tube Assembly if Necessary

OWNER/OPERATOR: _____

SUBMITTED BY: _____ **DATE:** _____

☐ **FOLLOWING SERIAL NUMBERS ARE NOT AFFECTED BY THIS ASB**

☐ **ASB HAS BEEN COMPLIED WITH ON HELICOPTER SERIAL NUMBERS:**

(Fold Up to Arrows)



No Postage
Necessary

BUSINESS REPLY MAIL

FIRST-CLASS MAIL PERMIT NO. 432 BRIDGEPORT CT

POSTAGE WILL BE PAID BY ADDRESSEE

SIKORSKY AIRCRAFT CORPORATION

Commercial Systems and Services

Mailstop K100

124 QUARRY ROAD

TRUMBULL, CT 06611 U.S.A.

ATTENTION:

Gr-SIK, Product_Safety

Please complete the form on the reverse side and FAX to

FACSIMILE NUMBER (817) 762-6715

Or scan and email to:

EMAIL ADDRESS: product_safety.gr-sik@lmco.com

or fold and return ENTIRE form to Sikorsky Aircraft Corporation

SPECIAL INFORMATION LEAFLET No. 831

SAFETY ADVISORY NOTICE

A. SIKORSKY S-92 UTILITY SEAT MBCS12410 ATTENUATION SYSTEM DEGRADATION OF PERFORMANCE

EFFECTIVITY

B. This Special Information Leaflet is applicable to Tube Assembly, Back Main MBCS12834 fitted to Martin-Baker crashworthy seats detailed below:

MBCS12410AA001

NOTE: See Table 2 below for details of affected seat serial numbers.

- C1. It was found during dynamic testing of a S-92 utility seat conducted by Martin-Baker with 10° wall deformation applied per AS8049A requirements that the seat became detached from the attachment points on one side and potential for increased lumbar loads was observed.**
- C2. Martin-Baker identified the root cause of the test failure to be changes to the finishing process of Tube Main Back MBCS4109 (a detail of Tube Assy, Back Main MBCS12834) circa July 2012. The change in process resulted in increased surface friction in the direction of seat attenuation. Increased surface friction prevented seat attenuation as required during a crash event.**
- C3. Martin-Baker have conducted a System Safety Risk Assessment (SSRA) in relation to this issue. SSRA conducted indicates the reported issue to present a medium safety risk for a Severity 1 hazard, Hazard Risk Index (HRI) 12 – acceptable with review.**

SPECIAL INFORMATION LEAFLET No. 831

C4. The purpose of this Special Information Leaflet is to:

C4.1 Inform Customers of the issue.

C4.2 Identify S-92 Utility Seats MBCS12410AA001 where finishing of detail Tube Back Main MBCS4109 (a detail of Tube Assembly, Back Main MBCS12834) has been completed using the changed process which require repair action to be completed.

C4.3 Provide recovery actions for identified seats, as recommended by Martin-Baker.

D1. Timing for Embodiment of this Instruction

D1.1 Customers are requested to locate all fielded and inventoried S-92 Utility Seats MBCS12410AA001 and inspect serial number of each seat against Table 2 below. For each seat identified by serial number listed in Table 2 below, order replacement parts in accordance with instruction in paragraph E1 below. Repair actions detailed in paragraph D2 below shall be completed following receipt of replacement items.

NOTE: Seat part and serial number information is marked on identification label affixed to underside of the sitting platform assembly.

D2. Work Required

WARNING:

FOLLOW ALL APPLICABLE WARNINGS AND CAUTIONS IN THE RELEVANT MARTIN-BAKER TECHNICAL MANUAL WHEN UNDERTAKING WORK DEFINED IN THIS SPECIAL INFORMATION LEAFLET.

CAUTION:

USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) WHEN UNDERTAKING WORK DEFINED IN THIS SPECIAL INFORMATION LEAFLET.

D2.1 Tools and Materials Required:

D2.1.1 Tools – standard mechanics set of tools. No special tools, fixtures or equipment required.

D2.1.2 Materials – See Martin-Baker technical publication MB570 (Issue 2, dated December 2011 current at SIL No. 831 issue)

SPECIAL INFORMATION LEAFLET No. 831**D2.2 Parts Required:**

Part Number	Description	Quantity per Seat
MBCS12834	Tube Assembly, Back Main	1
MBCS4148	Label Ident Warning	2
P37689	Scotchmate 25mm Blk Hook	9 inches
P38733	Pin, Split 1/16 dia x 0.50 (SP90-C4)	2
P38774	Pin, Split 1/16 dia x 0.375 (SP90-C3)	4
P35789	Strap, Tie Down MS3367-1-0	1

Table 1 – Parts Required for SIL831 Repair Actions

D2.2.1 Required parts identified in Table 1 above are included in Kit Components Utility Seat Repair, MBCS12995.

D2.3 Locate affected seats, remove the seat from the aircraft (if installed) and transfer to an appropriate maintenance facility.

NOTE: Seat part and serial number information is marked on identification label affixed to underside of the sitting platform assembly.

D2.4 Disassemble the seat in accordance with procedures in Martin-Baker technical publication MB570 to the extent necessary to remove discrepant Tube Assembly, Back Main MBCS12834 (Section 1, pages 301 to 302 inclusive refer).

D2.5 Examine all removed components for damage, deterioration and wear in accordance with Martin-Baker technical publication MB570 procedures. Replace components as required.

D2.6 Assemble seat with replacement Tube Assembly, Back Main MBCS12834 in accordance with Martin-Baker technical publication MB570 procedures (Section 1, pages 701 to 703 inclusive refer).

D2.6.1 With reference to Figure 1 below, attach fastener, 25mm hook P37689 to underside of the top of the main back tube assembly.

D2.6.2 With reference to Figure 2 below, attach warning ident label MBCS4148 to either side of the main back tube assembly.

D2.6.3 Replace split pins P38733 and P38774 and tie down strap P35789 removed at paragraph D2.4 above with new supply items.

D2.7 Complete all checks and operational tests necessary in accordance with Martin-Baker technical publication MB570 procedures in order to recover the seat to operational use.

SPECIAL INFORMATION LEAFLET No. 831

D2.8 Using Edding 780 ink pen (white colour), or equivalent, mark legend 'SIL831 incorporated' to the underside of the Sitting Platform Assembly MBCS4111 adjacent to identification labels. Seal marking with clear matte acrylic lacquer.

D2.9 Discrepant main back tube assemblies MBCS12834 shall be positively destroyed to prevent re-use. Disposal of destroyed discrepant main back tube assemblies MBCS12834 shall be in accordance with local rules.

D2.9.1 Discard removed split pins part number P38733 and P38774 and tie down strap P35789 in accordance with local rules.

D2.10 Record completion of SIL No. 831 in all applicable engineering documentation for subject seat.

E1. Customers are requested to place free of charge purchase orders for Kit Components Utility Seat Repair, part number MBCS12995 (as identified in paragraph D2.2 above) for seats identified in Table 2 via Sikorsky in the first instance quoting SIL No. 831 as reference.

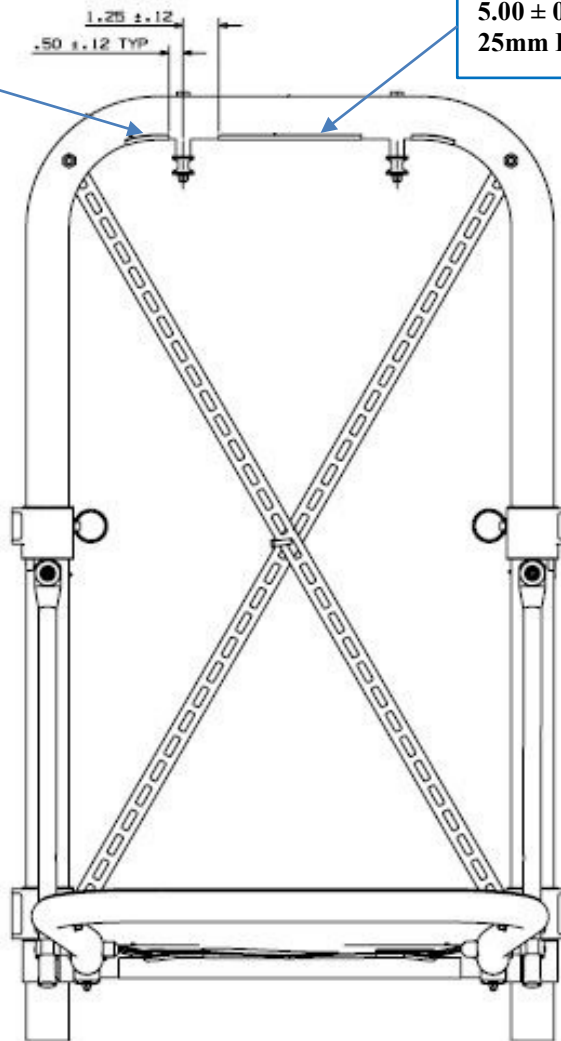
SPECIAL INFORMATION LEAFLET No. 831

Part Number	Seat Serial Number From	Seat Serial Number To
MBCS12410AA001	PE1278	PE1286
	PE1287	PE1295
	PE1296	PE1304
	PE1315	PE1317
	PE2307	PE2315
	PF0235	PF0244
	PF0245	PF0254
	PF0041	PF0049
	PF0060	PF0068
	PF0255	PF0263
	PF1054	PF1057
	PK0486	PK0487
	PK0540	PK0547
	PK0710	PK0719
	PE1355	PE1363
	PE1364	PE1372
	PE1373	PE1374
	PF1405	PF1414
	PF1415	PF1424
	PH0171	PH0179
	PH0978	PH0985
	PH1008	PH1015
	PH1020	PH1025
	PH0180	PH0180
	PH0777	PH0784
	PH0785	PH0792
	PH0805	PH0812
	PH0813	PH0820
	PH0847	PH0853
	PJ1092	PJ1099
	PJ1100	PJ1102
	PF0789	PF0798
	PG1240	PG1247
	PG1231	PG1239
	PH0001	PH0008
	PH0009	PH0016
	PH0017	PH0024
	PH0025	PH0030
	PG1301	PG1308

Table 2 - S-92 Utility Seats, Part Number MBCS12410AA001, Requiring Rework Actions

SPECIAL INFORMATION LEAFLET No. 831

1.50 ± 0.12 long
Fastener, 25mm
Hook (P37689) 2
places.



All dimensions in inches.

Seat fabric and harness
omitted for clarity.

View on underside of seat.

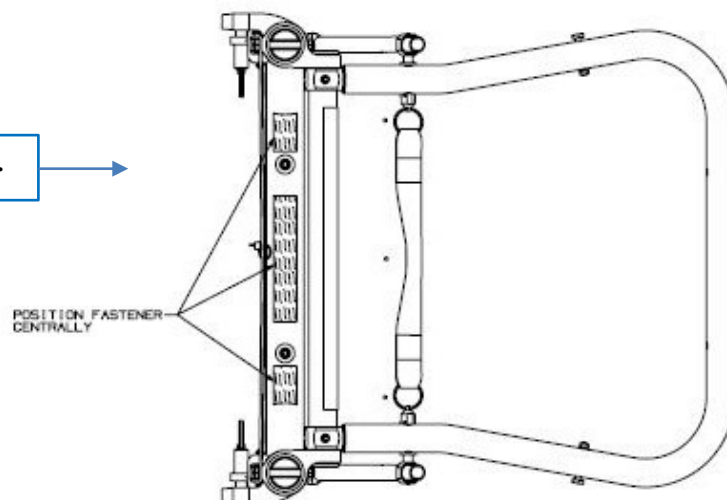


Figure 1 – Position of Fastener, 25mm Hook P37689 on Tube Assembly, Back Main MBCS12834

SPECIAL INFORMATION LEAFLET No. 831

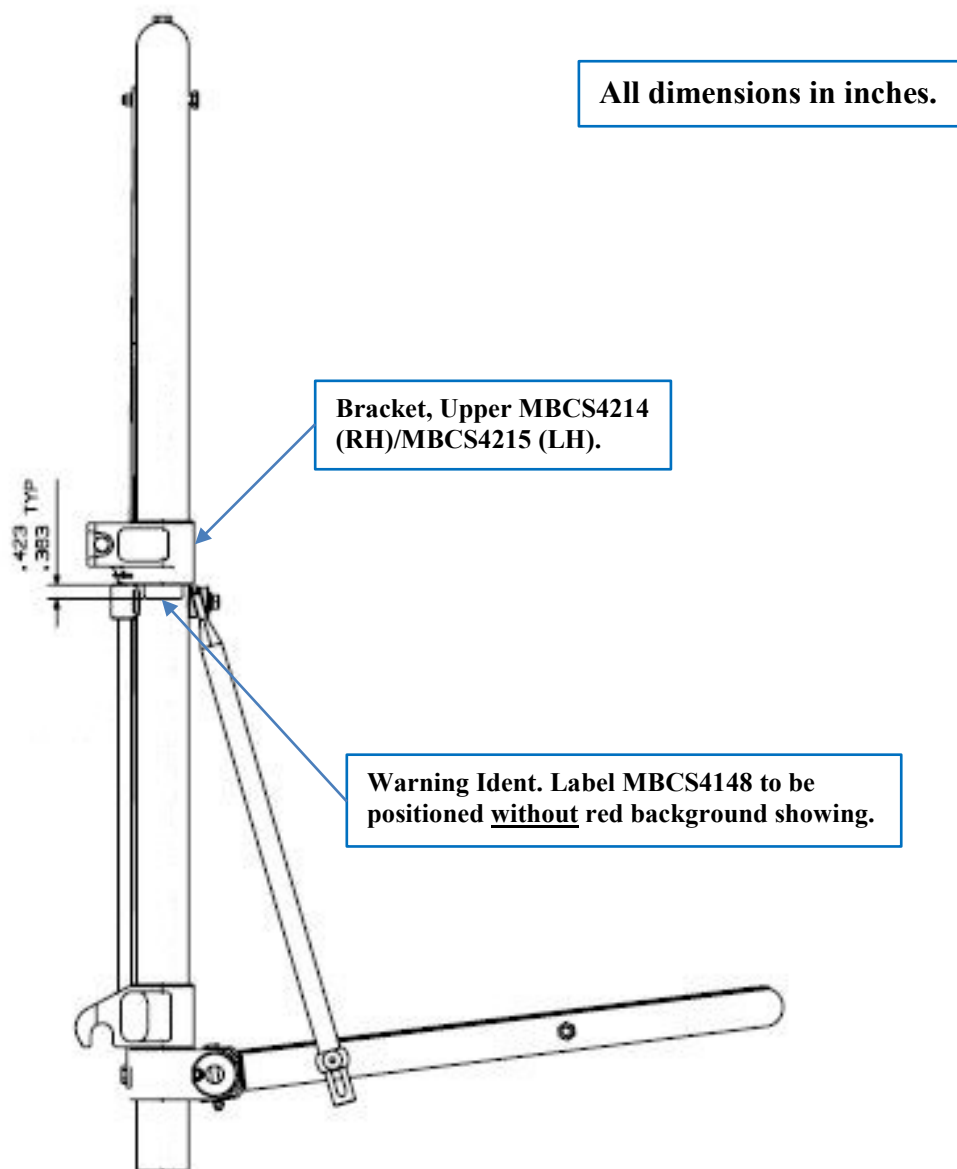


Figure 2 – Position of Warning Ident Label MBCS4148 (Typical)

PSD/831
10th July 2019

Customer enquiries are to be sent to SILEnquiries@martin-baker.co.uk

SPECIAL INFORMATION LEAFLET No. 833

SAFETY ADVISORY NOTICE

A. SIKORSKY S-92 OBSERVER SEAT, POTENTIAL FOR HIGHER LUMBAR LOAD

EFFECTIVITY

B. This Special Information Leaflet is applicable to Tube Assembly, Back Main MBCS12834 fitted to Martin-Baker crashworthy seats detailed below:

MBCS12200	MBCS7301-2
-----------	------------

NOTE (1): See Table 2 below for details of affected seat serial numbers.

NOTE (2): MBCS7301-2 is a lower level assembly of MBCS12200.

- C1. It was found during dynamic testing of a wall mounted crashworthy seat conducted by Martin-Baker increased lumbar loads from original qualification data were observed.**
- C2. Martin-Baker identified the root cause of the recorded increased loads to be changes to the finishing process of Tube Main Back MBCS4109 (a detail of Tube Assy, Back Main MBCS12834) circa July 2012. The change in process resulted in increased surface friction in the direction of seat attenuation. Whilst increased surface friction caused the increase in lumbar loads, the loads recorded were within allowable limits.**
- C3. Impact analysis conducted by Martin-Baker following the test has identified that there is a theoretical risk, unconfirmed by test, that the pole mounted S-92 observer seat may exhibit excessive lumbar loads in a crash event with affected Tube Main Back MBCS4109 fitted. Due to the perceived safety risk Martin-Baker have concluded that rework action for the identified seats is required.**
- C3. Martin-Baker have conducted a System Safety Risk Assessment (SSRA) in relation to this issue. SSRA conducted indicates the reported issue to present a medium safety risk for a Severity 1 hazard, Hazard Risk Index (HRI) 12 – acceptable with review.**

SPECIAL INFORMATION LEAFLET No. 833

C4. The purpose of this Special Information Leaflet is to:

- C4.1 Inform Customers of the issue.**
- C4.2 Identify S-92 observer seats where finishing of detail Tube Back Main MBCS4109 (a detail of Tube Assembly, Back Main MBCS12834) has been completed using the changed process which require repair action to be completed.**
- C4.3 Provide recovery actions for identified seats, as recommended by Martin-Baker.**

D1. Timing for Embodiment of this Instruction

- D1.1 Customers are requested to locate all fielded and inventoried S-92 observer seats (MBCS12200/MBCS7301-2) and inspect serial number of each seat against Table 2 below. For each seat identified by serial number listed in Table 2 below, order replacement parts in accordance with instruction in paragraph E1 below. Repair actions detailed in paragraph D2 below shall be completed following receipt of replacement items.**

NOTE (1): Seat part and serial number information is marked on identification label affixed to underside of the sitting platform assembly.

NOTE (2): Quantity 4 seats listed in Table 2 below were sold as, and marked on their identification label as, part number MBCS7301-2 (Seat GA S-92 Utility Seat).

D2. Work Required

WARNING:

FOLLOW ALL APPLICABLE WARNINGS AND CAUTIONS IN THE RELEVANT MARTIN-BAKER TECHNICAL MANUAL WHEN UNDERTAKING WORK DEFINED IN THIS SPECIAL INFORMATION LEAFLET.

CAUTION:

USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) WHEN UNDERTAKING WORK DEFINED IN THIS SPECIAL INFORMATION LEAFLET.

SPECIAL INFORMATION LEAFLET No. 833**D2.1 Tools and Materials Required:**

D2.1.1 Tools – standard mechanics set of tools. No special tools, fixtures or equipment required.

D2.1.2 Materials – See Martin-Baker technical publication MB610 (Issue 1, Revision 2, dated June 2019 current at SIL No. 833 issue)

D2.2 Parts Required:

Part Number	Description	Quantity per Seat
MBCS12834	Tube Assembly, Back Main	1
MBCS4148	Label Ident Warning Seat Attenuated	2
P37689	Scotchmate 25mm Blk Hook	9 inches
P38774	Split Pin 1/16 dia x 0.375 (SP90-C3)	4
P38765	Split Pin 5/32 dia x 0.625 (SP90-H5)	2
P35789	Strap, Tie Down MS3367-1-0	1

Table 1 – Parts Required for SIL833 Repair Actions

D2.2.1 Required parts identified in Table 1 above are included in Kit Components Observer Seat Repair, MBCS12992.

D2.3 Locate affected seats, remove the seat from the aircraft (if installed) and transfer to an appropriate maintenance facility.

NOTE (1): Seat part and serial number information is marked on identification label affixed to underside of the sitting platform assembly.

NOTE (2): Quantity 4 seats listed in Table 2 below were sold as, and marked on their identification label as, part number MBCS7301-2 (Seat GA S-92 Utility Seat).

D2.4 Disassemble the seat in accordance with procedures in Martin-Baker technical publication MB610 to the extent necessary to remove discrepant Tube Assembly, Back Main MBCS12834 (Section 1, pages 301 to 303 inclusive refer).

D2.5 Examine all removed components for damage, deterioration and wear in accordance with Martin-Baker technical publication MB610 procedures. Replace components as required.

SPECIAL INFORMATION LEAFLET No. 833

D2.6 Assemble seat with replacement Tube Assembly, Back Main MBCS12834 in accordance with Martin-Baker technical publication MB610 procedures (Section 1, pages 701 to 703 inclusive refer).

D2.6.1 With reference to Figure 1 below, attach fastener, 25mm hook P37689 to underside of the top of the main back tube assembly.

D2.6.2 With reference to Figure 2 below, attach warning ident label MBCS4148 to either side of the main back tube assembly.

D2.6.3 Replace split pins P38774 and P38765 and tie down strap P35789 removed at paragraph D2.4 above with new supply items.

D2.7 Complete all checks and operational tests necessary in accordance with Martin-Baker technical publication MB610 procedures in order to recover the seat to operational use.

D2.8 Using Edding 780 ink pen (white colour), or equivalent, mark legend 'SIL833 incorporated' to the underside of the Sitting Platform Assembly MBCS12215 adjacent to identification labels. Seal marking with clear matte acrylic lacquer.

D2.9 Discrepant main back tube assemblies MBCS12834 shall be positively destroyed to prevent re-use. Disposal of destroyed discrepant main back tube assemblies MBCS12834 shall be in accordance with local rules.

D2.9.1 Discard removed split pins part number P38774 and P38765 and tie down strap P35789 in accordance with local rules.

D2.10 Record completion of SIL No. 833 in all applicable engineering documentation for subject seat.

E1. Customers are requested to place free of charge purchase orders for Kit Components Observer Seat Repair, part number MBCS12992 (as identified in paragraph D2.2 above) for seats identified in Table 2 via Sikorsky in the first instance quoting SIL No. 833 as reference.

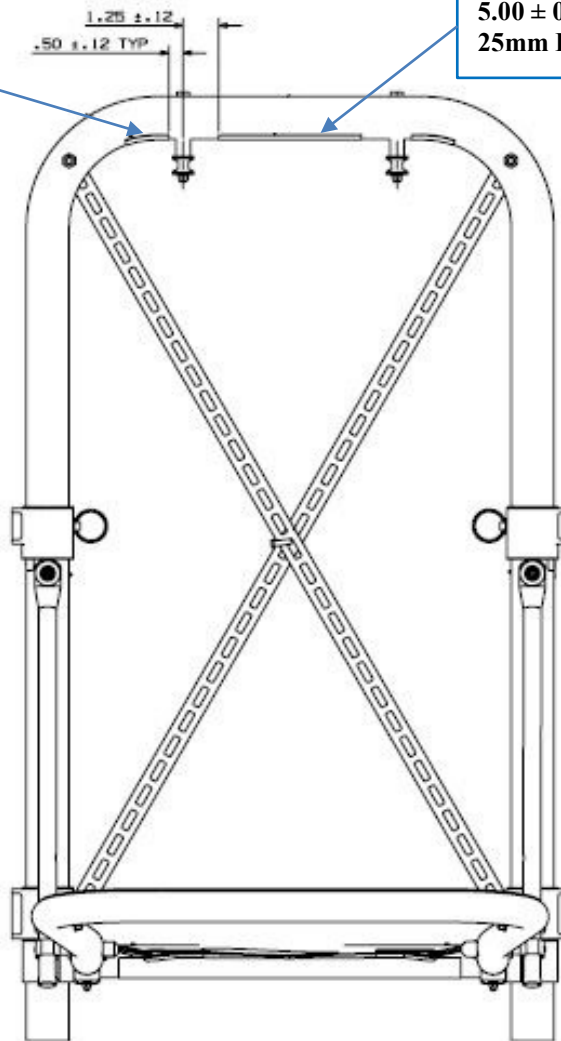
SPECIAL INFORMATION LEAFLET No. 833

Part Number (As Sold)	Seat Serial Number From	Seat Serial Number To
MBCS7301-2	B453-00185	B453-00186
	C453-00001	C453-00001
	C453-00002	C453-00002
MBCS12200	B453-00192	B453-00194
	B453-00195	B453-00196
	B453-00125	B453-00125
	B453-00126	B453-00127
	B453-00128	B453-00128
	B453-00129	B453-00130
	B453-00131	B453-00131
	B453-00144	B453-00144
	B453-00145	B453-00145
	B453-00132	B453-00132
	B453-00133	B453-00133
	B453-00134	B453-00134
	B453-00135	B453-00135
	B453-00136	B453-00136
	B453-00137	B453-00137
	B453-00138	B453-00138
	B453-00139	B453-00139
	B453-00140	B453-00140
	B453-00141	B453-00141
	B453-00142	B453-00142
	B453-00143	B453-00143
	B453-00146	B453-00147
	B453-00148	B453-00148
	B453-00149	B453-00150
	B453-00151	B453-00151
	B453-00152	B453-00152
	B453-00153	B453-00153
	B453-00154	B453-00154
	B453-00155	B453-00155
	B453-00156	B453-00157
	B453-00158	B453-00158
	B453-00159	B453-00160
	B453-00161	B453-00161
	B453-00162	B453-00162
	B453-00163	B453-00164
	B453-00165	B453-00166
	B453-00167	B453-00168
	B453-00169	B453-00170
	B453-00171	B453-00172
	B453-00173	B453-00174
	B453-00175	B453-00176
	B453-00177	B453-00178
	B453-00179	B453-00179
	B453-00180	B453-00181
	B453-00182	B453-00182
	B453-00183	B453-00184
	B453-00187	B453-00187
	B453-00188	B453-00188
	B453-00189	B453-00189
	B453-00190	B453-00190
	B453-00191	B453-00191

Table 2 - S-92 Observer Seats, MBCS12200 and MBCS7301-2, Requiring Rework Action

SPECIAL INFORMATION LEAFLET No. 833

1.50 ± 0.12 long
Fastener, 25mm
Hook (P37689) 2
places.



5.00 ± 0.12 long Fastener,
25mm Hook (P37689).

All dimensions in inches.

Seat fabric and harness
omitted for clarity.

View on underside of seat.

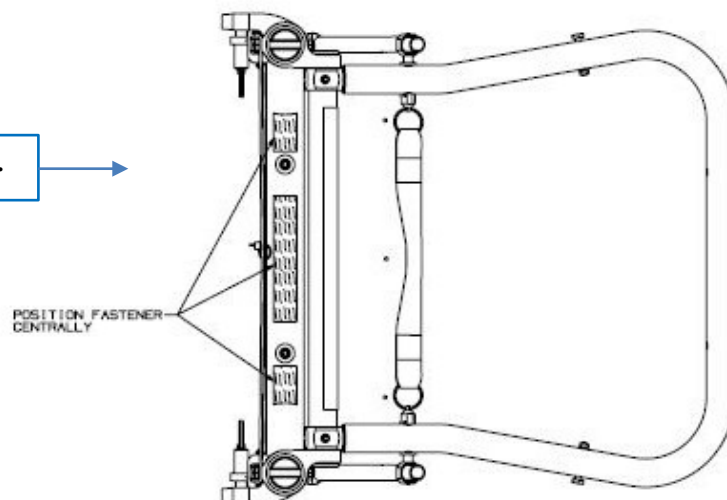


Figure 1 – Position of Fastener, 25mm Hook P37689 on Tube Assembly, Back Main MBCS12834

SPECIAL INFORMATION LEAFLET No. 833

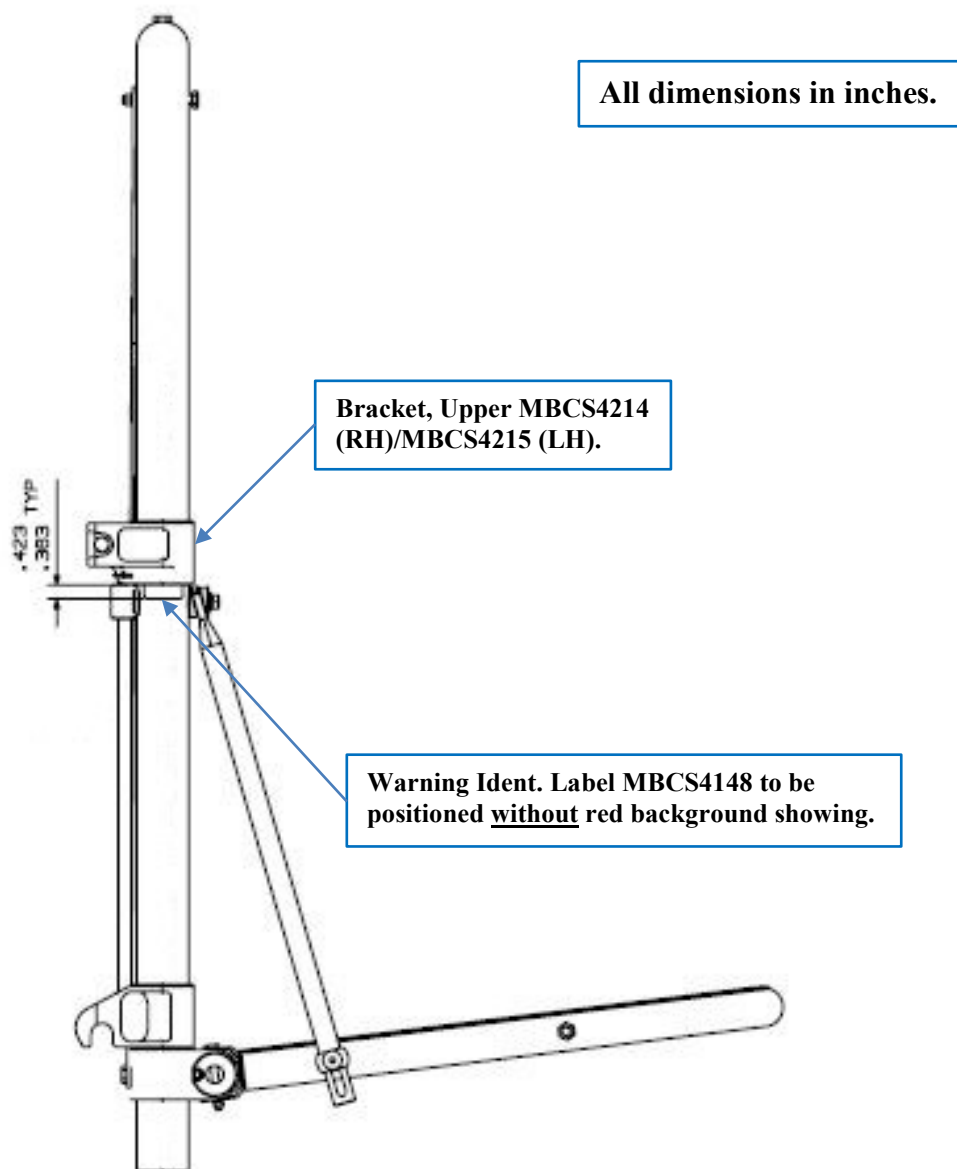


Figure 2 – Position of Warning Ident Label MBCS4148 (Typical)

PSD/833
11th July 2019

Customer enquiries are to be sent to SILEnquiries@martin-baker.co.uk