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**Registration no 2002/022837/07**  
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## **SAFETY ALERT**

#0013

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**(Sling Aircraft (Pty) Ltd. considers compliance with all Safety Alerts mandatory)**

**RELEASE DATE:** 24/10/2025

**EFFECTIVE DATE:** 24/10/2025

**SUBJECT:** HW Front Seat Recline Stopper

**MODELS AFFECTED:** Factory built aircraft:

002, 003, 004k, 005k, 011gk, 016g, 018g, 019g, 020i, 022g, 024g,  
025g, 027g, 028g, 029g, 030g, 032i, 033g, 034i, 040g, 044g,  
065g, 072g, 077g, 078g, 079i, 082g, 083i, 084g, 085g, 100g

Kits and Quick Build kits:

001, 006gk, 007gk, 008gk, 009gk, 010gk, 012gk, 014gk, 015gk,  
017ik, 021ik, 023gk, 026gk, 031gk, 035gk, 036gk, 037gk, 038gk,  
039gk, 041gk, 042gk, 043gk, 045gk, 046gk, 047gk, 048ik, 049gk,  
050gk, 051gk, 052gk, 053gk, 054gk, 055gk, 056ik, 059gk, 060gk,  
061ik, 062ik, 063gk, 064gk, 066iq, 067gq, 068gq, 069gk, 070gk,  
071gk, 074gk, 075gk, 080qg, 081qg, 087qb, 088gq, 089gk, 090gk,  
091gk, 092gk, 093iq, 094iq, 095gk, 096gq, 097gq, 107gq, 108gk,  
109ik, 111gk, 113gq, 114gq, 115gq, 121gq, 128iq

**COMPLIANCE TIME:** At the earliest opportunity

**LABOUR TIME:** 30 minutes

## **1. DESCRIPTION AND PURPOSE:**

This Safety Alert introduces a modification that limits the rearward travel of the pilot and co-pilot seat backrests. The modification enhances flight safety by ensuring that, in the event of a seat recline mechanism failure, both occupants retain proper seating position and maintain effective control of the aircraft.

### **Background and Advice to Pilots**

Instances have been reported where the seat backrest recline mechanism failed, causing the seatback to unexpectedly and suddenly recline. Pilots are advised to remain aware of this possibility and to avoid pulling backward on the control sticks should a backrest failure occur in flight.

### **Safety and Risk Analysis: Probability and Severity**

Although the likelihood of occurrence is low, several similar failures have been documented across aircraft. While no major incidents have occurred to date, the potential severity of this failure is considered extremely high, as loss of backrest support could lead to loss of aircraft control and possible loss of life.

At present, Sling does not deem a complete redesign of the seat recline mechanism necessary. However, the installation of a permanent stop limiting the seat recline to the third adjustable position is required to effectively mitigate the risk.

### **Scope and Compliance**

This Safety Alert details the procedure for replacing the pilot and co-pilot seat backrest stoppers on the Sling 4 HW. To ensure correct installation and full functionality, all steps in this document must be followed carefully.

Compliance with this Safety Alert is mandatory and should be carried out at the earliest opportunity. Kit builders may perform this modification immediately during aircraft assembly.

**1.1. MASS DATA:**

N/A

**1.2. ELECTRICAL LOAD DATA:**

N/A

**1.3. SOFTWARE MODIFICATIONS:**

N/A

**1.4. REFERENCES:**

N/A

**1.5. PUBLICATIONS AFFECTED:**

- a) DC-KAI-003-X-G – Sling 4 HW Fuselage Construction Manual
- Revised from Rev 1.6 to 1.7
  - Front seat assembly instructions in the construction manual have been updated to include the latest backrest stopper.

**2. MATERIAL INFORMATION:****2.1. PARTS AND CONSUMABLES LIST:**

Part Number	Description	QTY
ST-STO-005-X-G-0	Backrest front stopper	8

**2.2. TOOLS REQUIRED:**

- a) Phillips screwdriver

**2.3. MATERIAL RESPONSIBILITY:**

N/A

**2.4. COMPANY SUPPORT INFORMATION**

Sling Aircraft AMO 1264 (Johannesburg, South Africa) is available to perform the required work on all aircraft delivered to its premises. The aircraft may be flown to an aircraft maintenance organisation for the work to be carried out. Person(s) implementing the work are required to follow instructions set out below and refer to the supplementary documentation listed in Sections 1.4 and 1.5 as needed. Sling Aircraft cannot accept any responsibility for the quality of work performed in implementing this Safety Alert, if the work is not performed by Sling Aircraft AMO 1264 (Johannesburg, South Africa).

All work carried out on the aircraft with respect to this Safety Alert (Safety Alert 0013) may be performed by the kit builder. Refer to the legal requirements of the governing aviation authority of the country where the actions, as detailed by this Safety Alert, are to be carried out. Sling Aircraft will cover the installation costs of aircraft under warranty. Sling Aircraft is not responsible for costs related to shipping, downtime, loss of income, etc.

**2.5. COMPANY SUPPORT INFORMATION**

To request Safety Alert kits, please use the following contact details: [sales@slingaircraft.com](mailto:sales@slingaircraft.com), or contact your local distributor.

Make use of the following contact details for any related technical queries:  
[airworthiness@slingaircraft.com](mailto:airworthiness@slingaircraft.com) or [technical@slingaircraft.com](mailto:technical@slingaircraft.com).

3. INSTRUCTIONS:

This section provides instructions on how to replace the backrest stopper plates with the new backrest stopper plates.

Step 1: The seat does not need to be removed from the aircraft, nor does the seat back need to be disassembled from the seat base. Simply remove upholstery from the front seats.

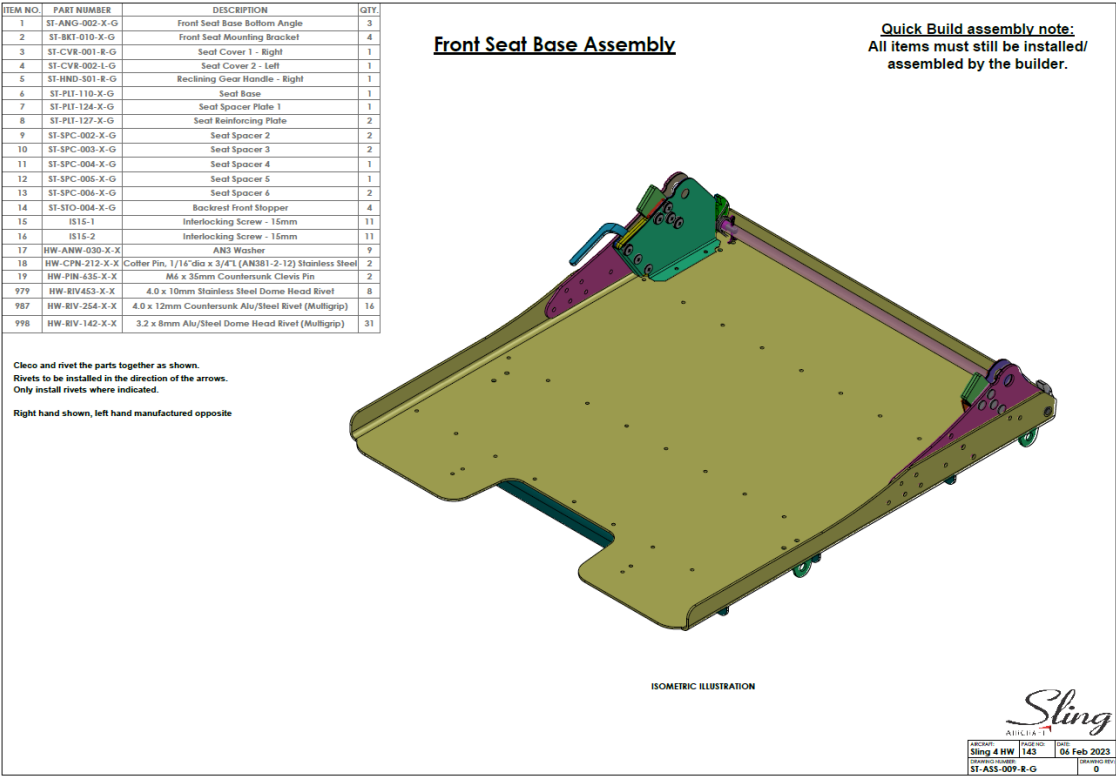


Figure 1: Obsolete Assembly Instructions (Overview)

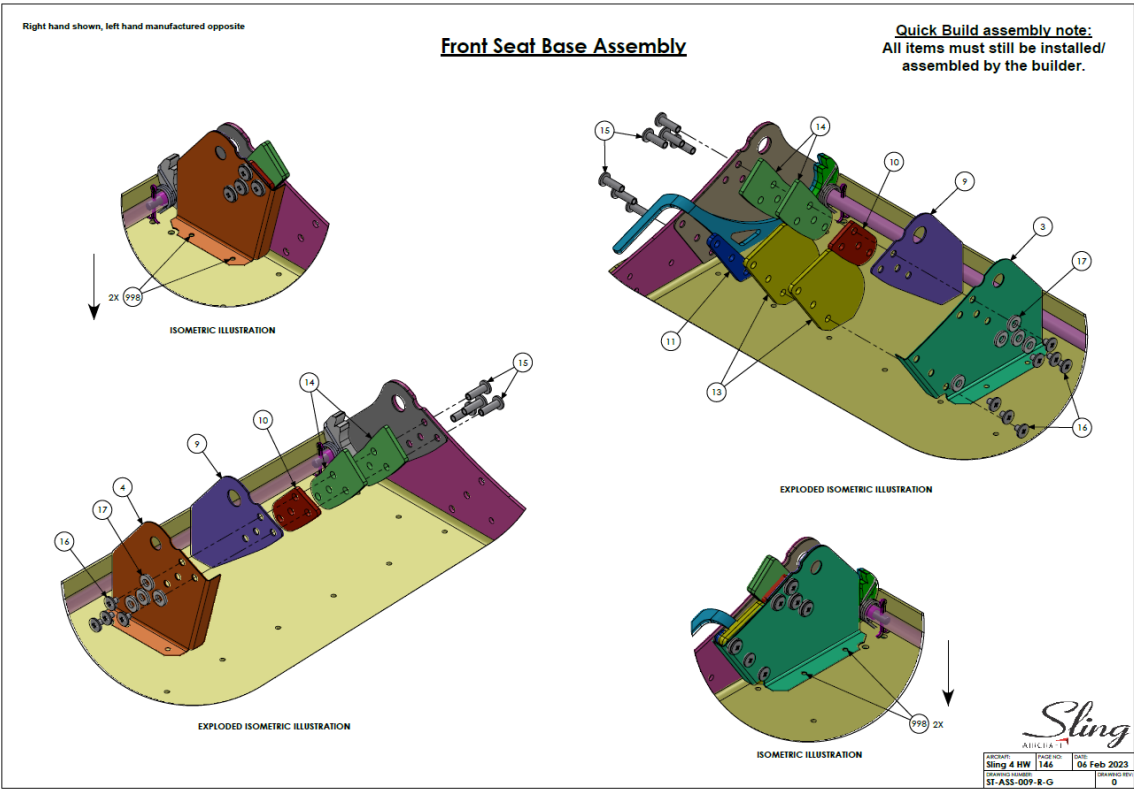


Figure 2: Obsolete Assembly Instructions (Detailed)

- Step 2: Using a Phillips screwdriver, remove the screws (Item 15 & 16) on both sides of the seat as shown in Figure 2.
- Step 3: Also remove items 10 (qty 2), 11 (qty 1), 13 (qty 2), and 14 (qty 4), as shown in Figure 2.

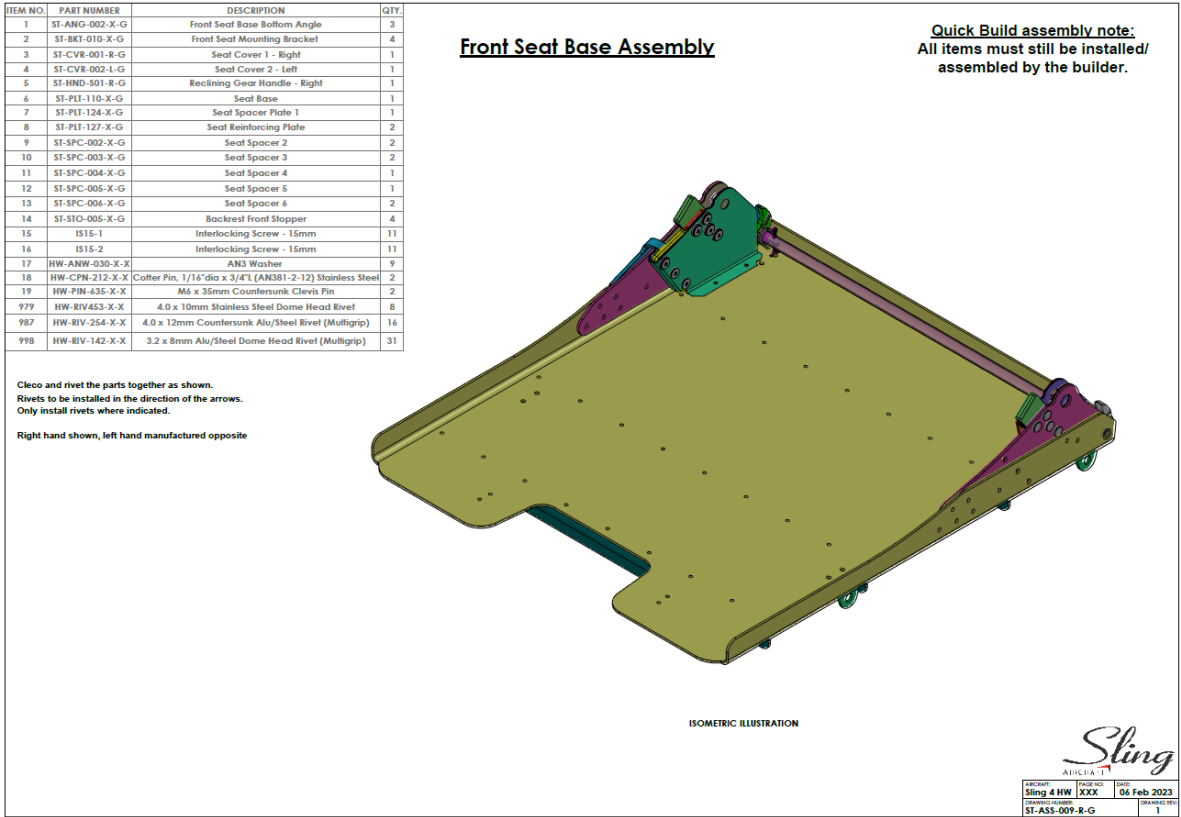


Figure 3: Revised Assembly Instructions (Overview)

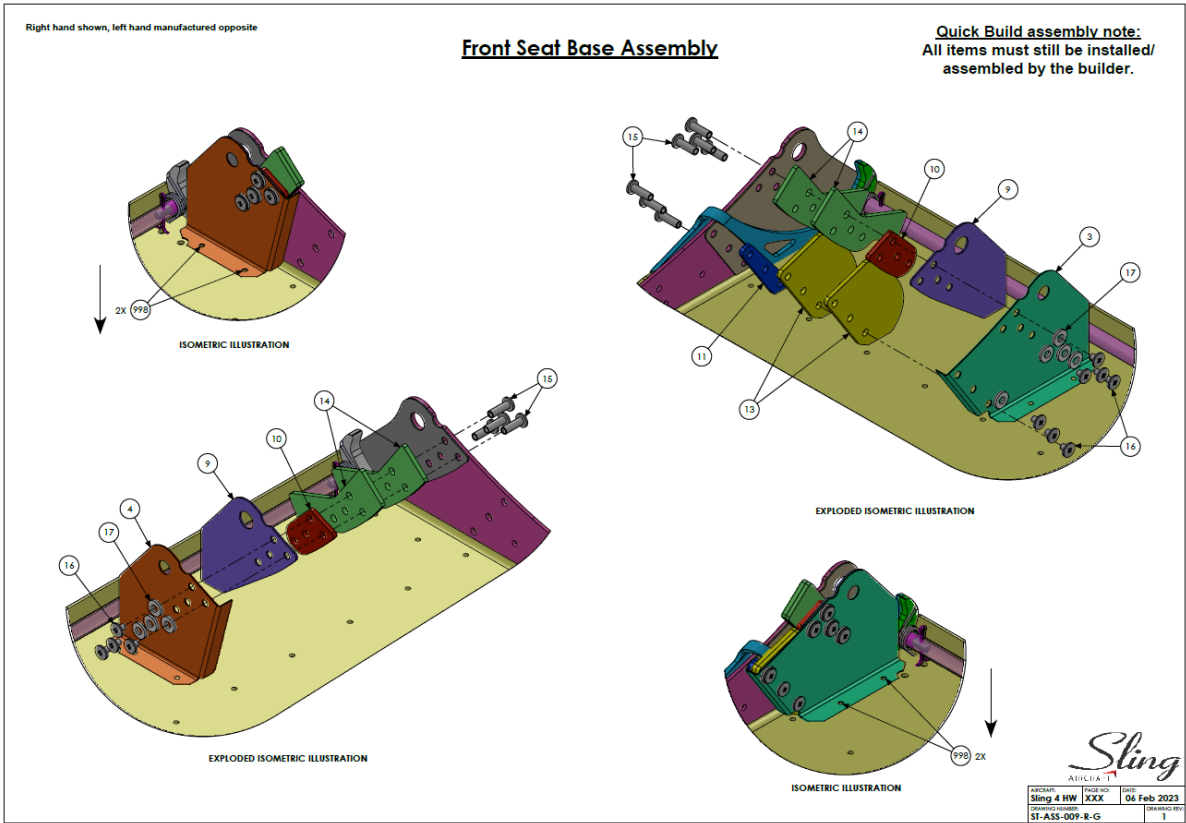


Figure 4: Revised Assembly Instructions (Detailed)

- Step 4: Install the new backrest stopper plates (revised Item 14) with the previously removed Items 10, 11 and 13 as shown in Figure 4.
- Step 5: Reinstall and securely tighten all screws (item 15 & 16). Use Loctite 243 (blue) to secure screws.
- Step 6: Repeat the procedure on the opposite front seat.

Signed on this the 24 day of .....October..... 2025



**ACCOUNTABLE MANAGER**  
**MR JAMES PITMAN**

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Engineering Manager