Service Letter

1. General

(a) No.:	SL 20
(b) Issue / Date	Issue A / 10-09-2025
(c) Title:	Avoiding Damage to Fuel Hoses
(d) Description:	Highlighting blistering near the ferrule ends of the fuel hoses, which can eventually lead to rupturing.
(e) Applicability:	All fuel hoses
(f) Effectively:	All

Note: Applicability = All types and variants to which the advice can be applied.
Effectivity = Actual CN or group of CNs to which the advice applies.

2. Accomplishment Instructions

A recent event has highlighted that improper handling, bending and storage, particularly in corrosive environments, can lead to corrosion-induced failure of the steel braiding of fuel hoses.

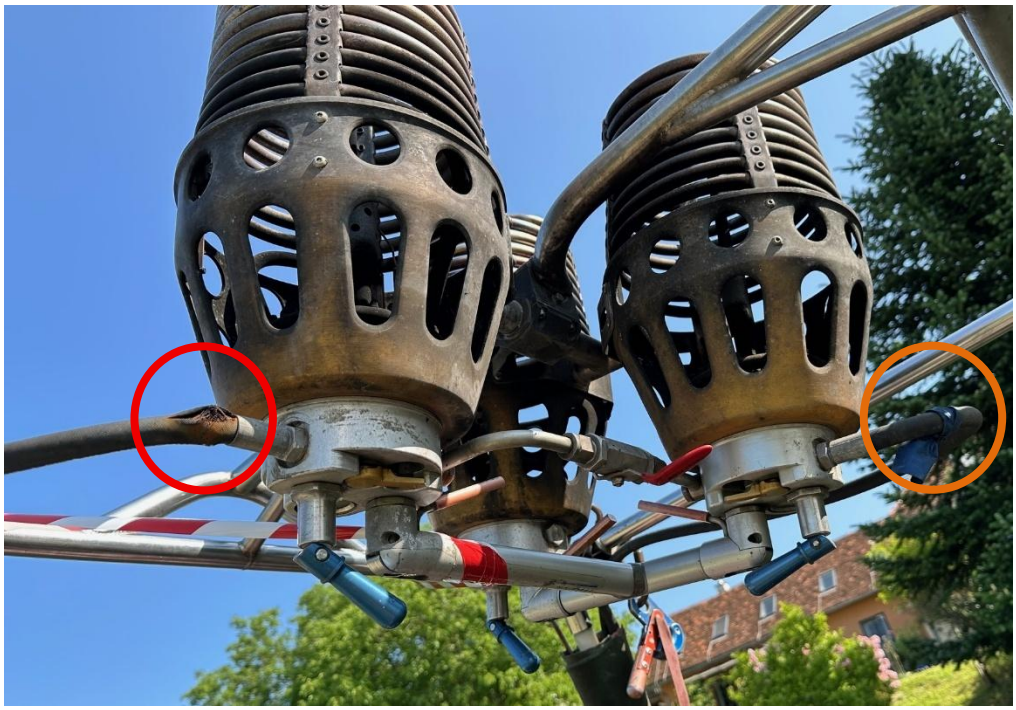

Figure 1

Figure 1 highlights in red a burner with a ruptured fuel hose. The failure was caused by mechanical damage that then led to corrosion of the braid. This resulted in the inner hose failing before launch. The orange highlight shows an excessive bend, which contributed to this type of failure.

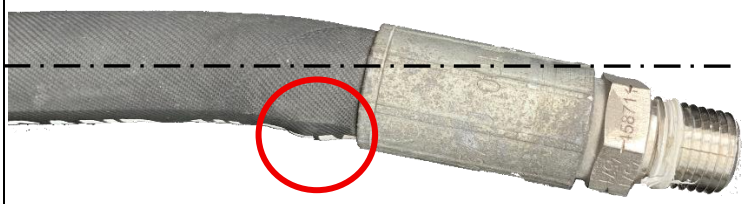

Figure 2

Figure 2 shows key warning signs: a visible bulge on the outer hose cover, a permanent sharp bend away from the centre line (especially near ferrules), and rust bleeding through perforations on the outer hose cover.

Follow manual instructions on minimum bend radius, correct handling, corrosion-free storage, and scheduled inspections to prevent damage. This can be found in the CB HABFM [I10 A18], as detailed below:

- For information on hose installation and the minimum bend radius requirements, see Section 4.2.3.4 of the HABFM.
- For information on the storage of ballooning equipment, see Section 7.5 of the HABFM.
- For information on routine inspection, refer to Section 6 of the CB HABMM [I10 A4].

3. Materials
None

4. Other Publications Affected
None

5. Remarks
None

Compiled by:	Notes: *None*
Date: 10/09/2025 Name: J. Dean	

6. Design Organisation Approval

Approval Statement

The technical content of this document is approved under the authority of DOA nr. UK.21J.0140

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Date: 11/09/2025	Name: D J Cameron