

**Service Bulletin**

**Title:** Bell Helicopter Model 429 Windshield Defroster Product Improvement

**Date:** 27 January 2012

**Applicability:** Bell Helicopter Model 429 Cabin Heater System

**Prerequisite:** N/A

**Reference:**

1. F.A.A. S.T.C. No. SR00692DE, Bell Helicopter 429 Heater System
2. 429H-201M-1, Instructions for Continued Airworthiness
3. 429H-206, General Arrangement - Cabin Heater Drawing
4. 429-238, Cabin Heater Components Installation Drawing
5. 429-928, Cabin Heater Defroster Components Installation Drawing

**Compliance:** At the discretion of the operator

**A. Discussion**

The replacement of the windshield defroster ejectors is an optional product improvement change that may be accomplished at the discretion of the operator. The required parts can be ordered at “no charge” by contacting the ACC Service Department.

**B. Manpower**

Approximate man-hours required to complete the service bulletin (May vary with personnel and facilities available): 2.0 man-hours.

**C. Approval**

The technical aspects of this service bulletin are based on approved FAA data.

**D. Weight & Balance**

The weight and balance is not affected by this service bulletin.

Revision	Issue Date	Inserted By	Description of Changes
N/C	1/27/12	RL	Initial Release

## E. Material

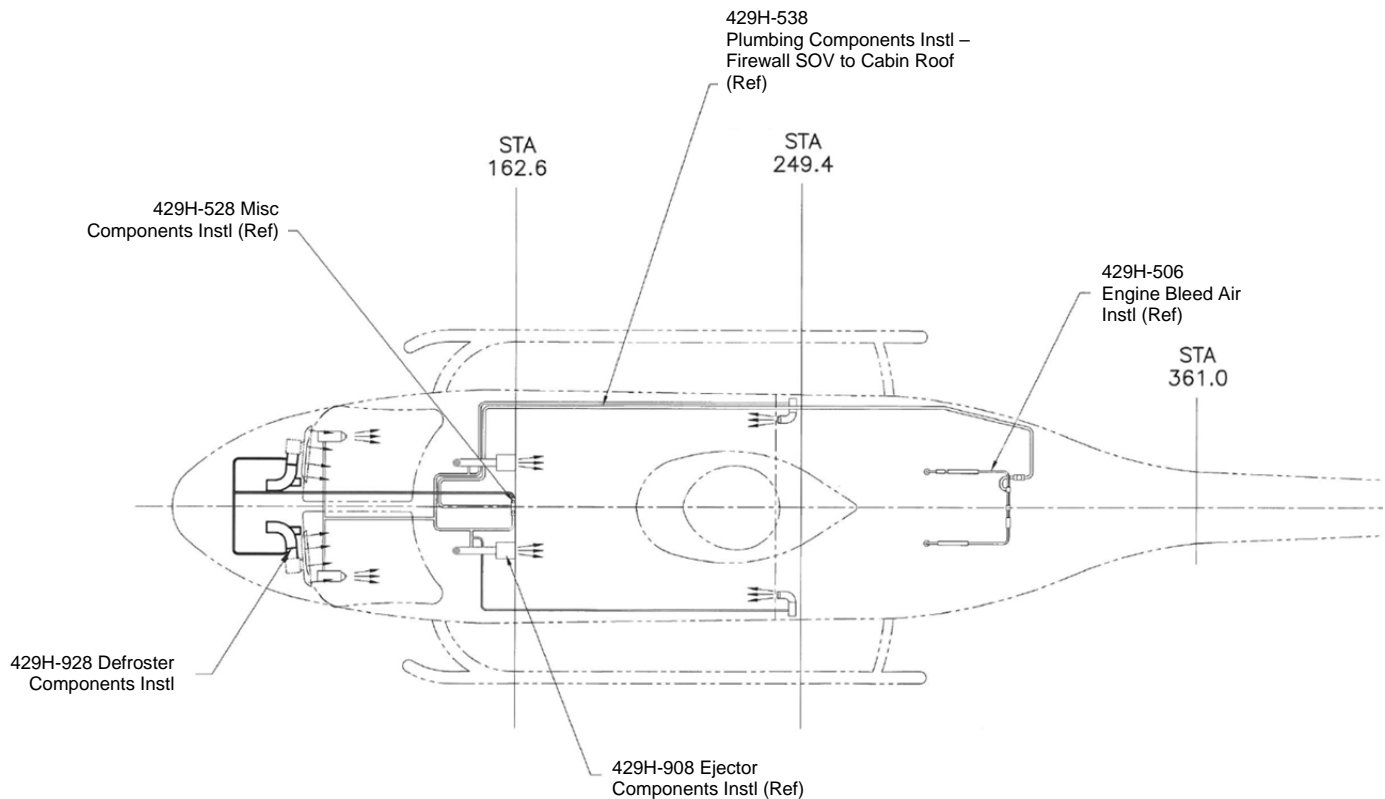
### Items to be Removed:

Qty.	Part Number	Nomenclature
2	S-6406EC-4	Ejector Assembly
2	CT11B	Cable Tie

### Items to be Installed:

Qty.	Part Number	Nomenclature
2	S-6406EC-6	Ejector Assembly
4	CT11B	Cable Tie

## Overview



**Figure 1: Cabin Heater System General Arrangement**

## F. Accomplishment Instructions

### 1. Removal (Figure 2)

- a. Remove LH & RH nose avionics bay panels to gain access to LH & RH defroster ejectors.
- b. Disconnect 429H-5032-161 (LH) and -163 (RH) tube assemblies from respective defroster ejectors.
- c. Remove CT11B cable ties securing existing LH & RH S-6406EC-4 defroster ejectors to elbow and switch box. Remove and discard defroster ejectors.
- d. Inspect NAS520-24-8 Sleeves. Replace if torn or damaged.

### 2. Installation (Figure 2)

- a. Install new S-6406EC-6 defroster ejector and secure to elbow and switch box with NAS520-24-8 Sleeve and 2x CT11B cable ties, both sides.

#### **NOTE**

Apply Permatex High Temp Anti-Seize Lubricant, P/N 80078 (or equivalent) to all fittings prior to assembly. Fitting installation and torque per MS21344.

- b. Connect 429H-5032-161 (LH) and -163 (RH) tube assemblies to respective defroster ejectors. Safety wire B-nuts per NASM33540 using MS20995 C32 safety wire or equivalent.

### 3. Test/Final Steps

- a. Install LH & RH nose avionics bay panels.
- b. Restore aircraft to flight condition.
- c. Confirm operation of defroster system.
- d. Ensure security of all heater and defroster components.
- e. Record compliance with this Service Bulletin in aircraft documents.

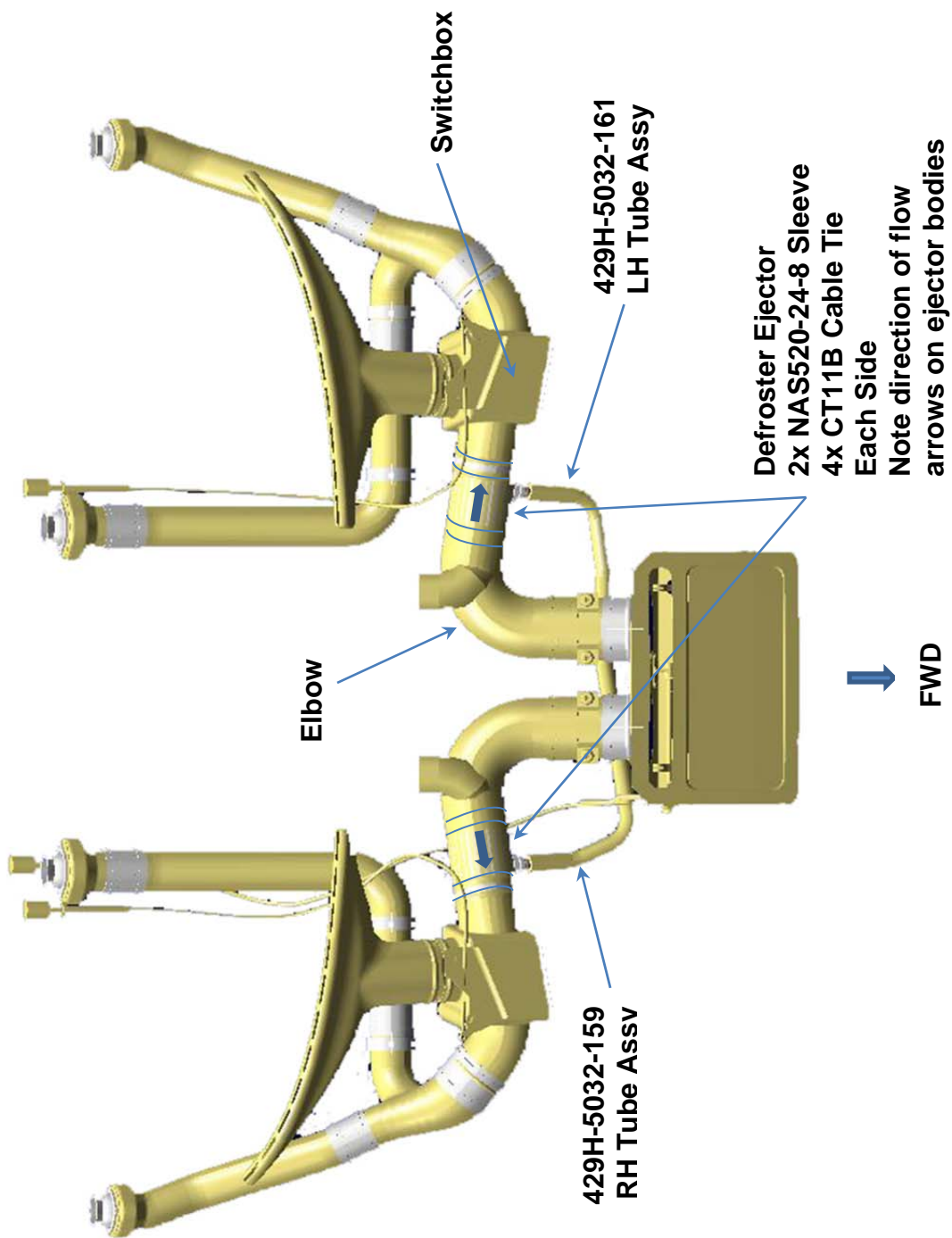


Figure 2: Defroster Ejector Installation  
(View looking down)