

**TECHNICAL BULLETIN**

**429-17-54**  
15 June 2017

**MODEL AFFECTED:** 429

**SUBJECT:** FUEL CAP ADAPTER P/N 508209,  
REPOSITIONING OF.

**HELICOPTERS AFFECTED:** Serial numbers 57001 through 57266 and 57268.  
  
[Serial number 57267, 57269 and subsequent will have the intent of this bulletin accomplished prior to delivery.]

**COMPLIANCE:** At customer's option.

**DESCRIPTION:**

Operators have reported premature failures of the fuel cap lanyard MS27380-1. Bell Helicopter believes that this is due to the fuel cap adapter 508209 being installed in a position that places the lanyard in the way of the fuel nozzle during aircraft refueling. This Technical Bulletin provides instructions to reposition the fuel cap adapter in order to avoid any interference between the fuel nozzle and the lanyard. Applicability of this bulletin to any spare part shall be determined prior to its installation on an affected helicopter.

**APPROVAL:**

The engineering design aspects of this bulletin are Transport Canada Civil Aviation (TCCA) approved.

**CONTACT INFO:**

For any questions regarding this bulletin, please contact:

Bell Helicopter Product Support Engineering - Intermediate Helicopters  
Tel: 450-437-2077 / 1-800-463-3036 / pseinter@bh.com

**MANPOWER:**

Approximately 2.0 man-hours are required to complete this bulletin. This estimate is based on hands-on time and may vary with personnel and facilities available.

**WARRANTY:**

There is no warranty credit applicable for parts or labor associated with this bulletin.

**MATERIAL:**

**Required Material:**

Not applicable

**Consumable Material:**

The following material is required to accomplish this bulletin, but may not require ordering, depending on the operator's consumable material stock levels. This material may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>	<u>Reference *</u>
2110-00009-00	Drycleaning Solvent	A/R (1)	C-304
2000-09430-00	Sealant	A/R (1)	C-308

\* C-XXX numbers refer to the consumables list in the BHT-ALL-SPM, Standard Practices Manual

**NOTE 1:** As Required.

**SPECIAL TOOLS:**

None required.

**WEIGHT AND BALANCE:**

Not affected

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

BHT-429-IPB, Illustrated Parts Breakdown  
BHT-429-MM, Maintenance Manual

## **PUBLICATIONS AFFECTED:**

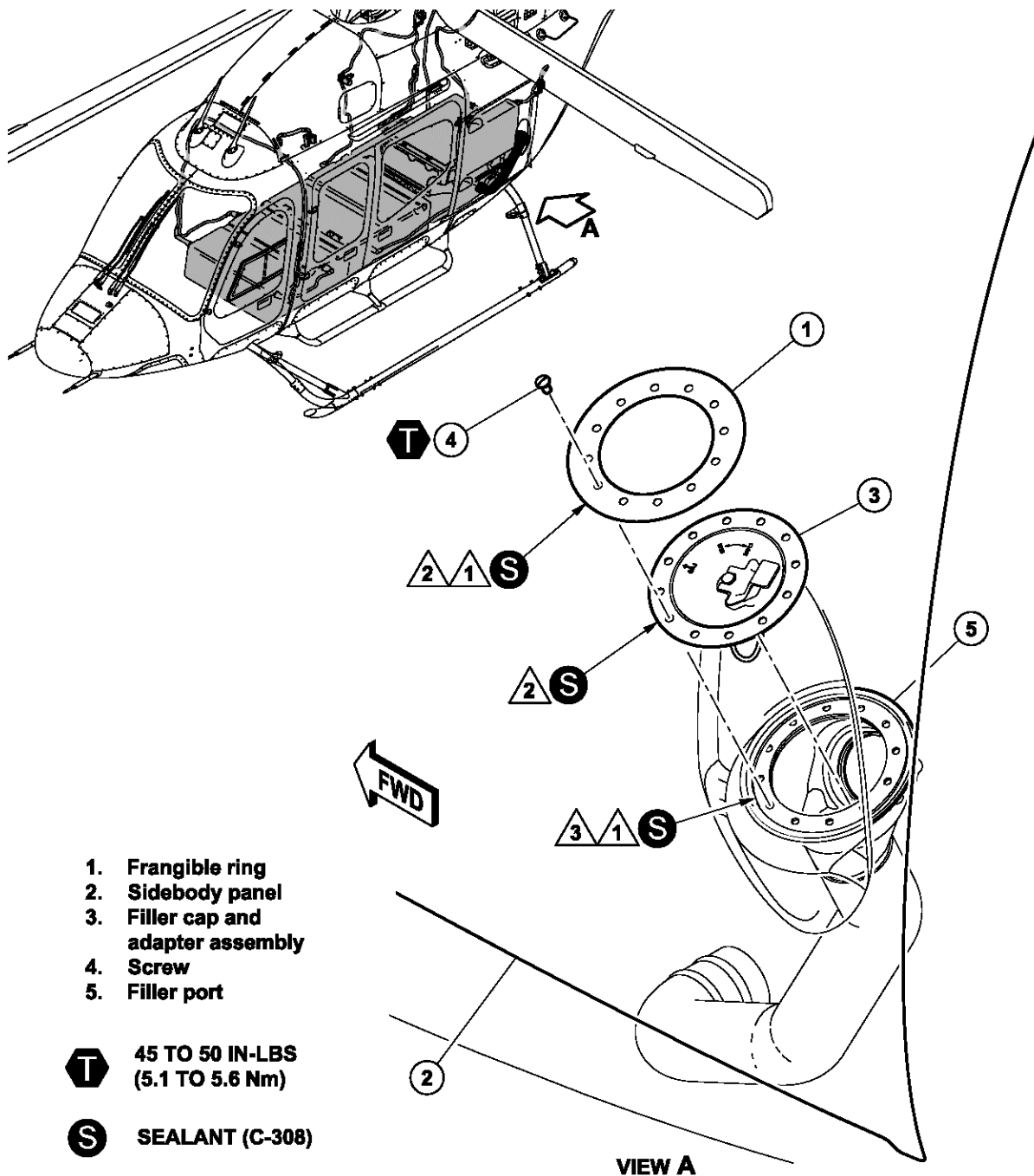
BHT-429-IPB, Illustrated Parts Breakdown, Chapter 28  
BHT-429-MM, Maintenance Manual, Chapter 28

## **ACCOMPLISHMENT INSTRUCTIONS:**

**WARNING**

Obey all safety precautions when you do maintenance on the fuel system.

1. Prepare helicopter for maintenance.
2. Disconnect battery and external DC power from the helicopter.
3. Remove sealant between the frangible ring (1, Figure1), sidebody panel (2), and adapter of the filler cap and adapter assembly (3) with a plastic scraper.
4. Remove the screws (4) and the frangible ring (1) from the sidebody panel (2).
5. Remove the filler cap and adapter assembly (3) from the filler port (5).
6. Clean the filler cap and adapter assembly (3) with drycleaning solvent (C-304) and a soft bristle brush.
7. Install the filler cap and adapter assembly (3) in position on the filler port (5). Refer to Figure 2 for correct position of the adapter. Make sure the arrow and the FWD marking on the filler cap are pointing forward as shown in Figure 3.
8. Install the frangible ring (1) on the sidebody panel (2) and secure to the filler port (5) with the screws (4). Torque the screws.
9. Apply a bead of sealant (C-308) to cover the mating edges of the frangible ring (1) and the adapter of the filler cap and adapter assembly (3).
10. Apply a bead of sealant (C-308) to cover the mating edges of the frangible ring (1) and the sidebody panel (2).
11. Connect the battery or external DC power to the helicopter.
12. Make an entry in the helicopter logbook and historical service records indicating compliance with this Technical Bulletin.



- 1. Frangible ring
- 2. Sidebody panel
- 3. Filler cap and adapter assembly
- 4. Screw
- 5. Filler port

**T** 45 TO 50 IN-LBS  
(5.1 TO 5.6 Nm)

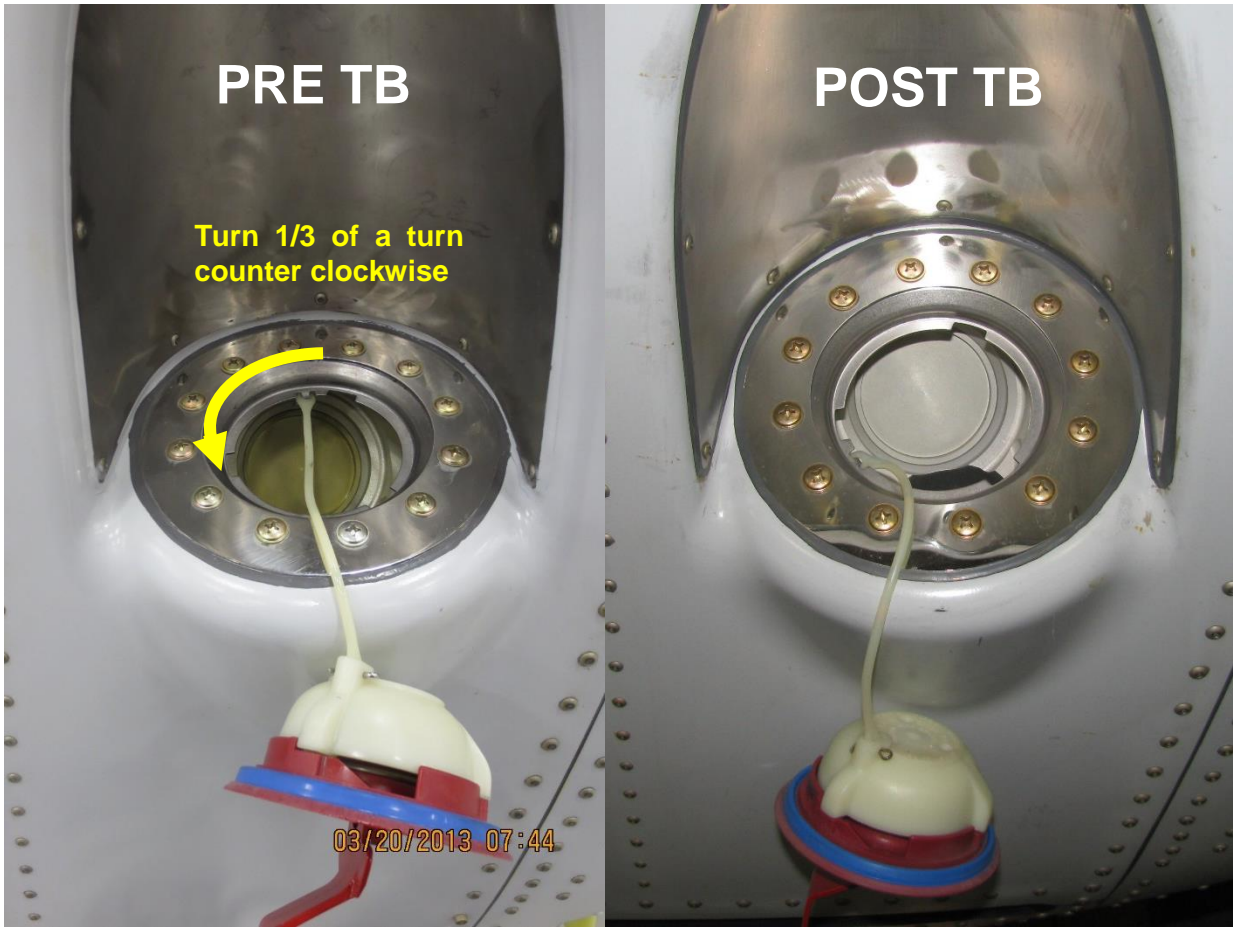
**S** SEALANT (C-308)

**NOTES**

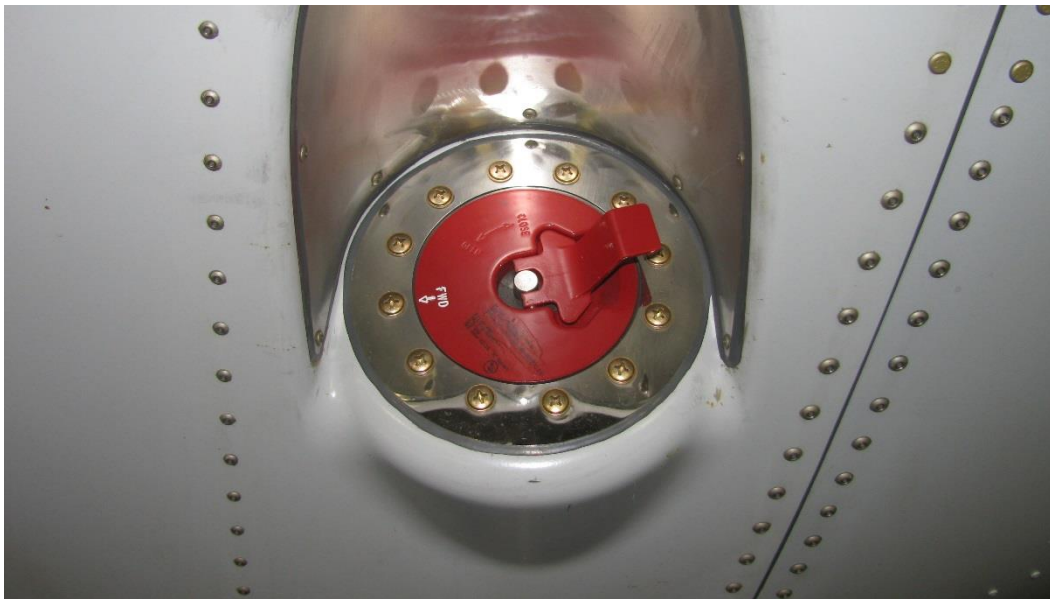
- 1** Apply sealant (C-308) to cover the mating edges of the frangible ring (1) and the sidebody panel (2) after installation.
- 2** Apply sealant (C-308) to cover the mating edges of the frangible ring (1) and the adapter of the filler cap and adapter assembly (3) after installation.
- 3** Apply sealant (C-308) to cover the mating edges of the filler port (5) and the sidebody panel (2) after installation.

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**Figure 1. Fuel and Filler Cap Assembly**



**Figure 2. Fuel Filler Cap and Adapter Assembly – Clocking**



**Figure 3. Fuel Filler Cap – Typical Position**