



A Textron Company

ALERT SERVICE BULLETIN

505-21-21

PSL #662

8 June 2021

MODEL AFFECTED: 505

SUBJECT: SUMP DRAIN FITTING GROMMET NAS557-18C,
INSTALLATION OF

HELICOPTERS AFFECTED: Serial numbers 65011 through 65291, 65294
through 65302, 65306, 65307, 65312, 65314
through 65332, 65334 through 65339, 65341
through 65343, 65345 and 65346.

[Serial number 65292, 65293, 65303 through 65305,
65308 through 65311, 65313, 65333, 65340, 65344,
65347 and subsequent will have the intent of this
bulletin accomplished prior to delivery.]

COMPLIANCE: At next convenient maintenance opportunity but no
later than **31 May 2022**

DESCRIPTION:

During airframe drop testing activity, it was discovered that by adding a frangible split plastic grommet interface to the airframe cutout where the sump drain fitting passes through provided an additional safeguard to the integrity of this installation following an impact.

This Alert Service Bulletin (ASB) provides instructions to install this split plastic grommet which is considered as a safety improvement.

Applicability of this bulletin to any spare part shall be determined prior to its installation on an affected helicopter.

APPROVAL:

ASB 505-21-21

Page 1 of 5

Approved for public release.

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 Product Support Engineering
Tel: 1-450-437-2862 / 1-800-363-8023 / productsupport@bellflight.com

MANPOWER:

Approximately 1 man-hour is required to complete this bulletin. This estimate is based on hands-on time and may vary with personnel and facilities available.

WARRANTY:

Owners / Operators of Bell Helicopters who comply with the instructions in this bulletin will be eligible to receive non prorated replacement part as applicable, listed in the MATERIAL section bulletin. Bell has recently introduced enhancements to the “My Bell Portal” which allocates specific warranty entitlement for an aircraft by serial number. The Product Service Letter (PSL) number which will be listed below the bulletin number on the introduction page. This is going to be a required field when submitting a claim on the Bulletins Tab for replacement parts, labor, and/or freight. If you receive an ASB or TB that does not have a PSL number, then there is no warranty entitlement for that bulletin.

Labor entitlement: Yes, one (1) labor hours for replacement and install at \$ 95 USD per hour

To receive parts, labor, under warranty:

- Comply with the instructions contained in this Bulletin no later than the applicable date in the “compliance section”.
- If there is a PSL number identified in the bulletin you will be required to enter this PSL number which will validate warranty entitlement for the selected aircraft. Please ensure that you use the Bulletin tab when you file your claim.

Customers who fail to comply with the instructions in this Bulletin before the **31 May 2022** will not be eligible for the special warranty listed above.

MATERIAL:

Required Material:

The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>
NAS557-18C	Split Plastic Grommet	1

Consumable Material:

None required.

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-505-MM Maintenance Manual

PUBLICATIONS AFFECTED:

BHT-505-IPC Illustrated Parts Catalog, Chapter 28
BHT-505-MM Maintenance Manual, Chapter 28

ACCOMPLISHMENT INSTRUCTIONS:

1. Prepare the helicopter for maintenance.
2. Gain access to the fuel filler compartment (Zone 172), [DMC-505-A-06-30-00-00A-030A-A](#).
3. Locate sump drain port fitting (Figure 1).

-NOTE-

If necessary to ease fuel cell movement, loosen the fuel filler retainer hardware prior to installation of Split Plastic Grommet and retighten the fuel filler retainer hardware thereafter, ([DMC-505-A-28-10-11-00A-520A-A](#), [DMC-505-A-28-10-11-00A-720A-A](#)) (Figure 1).

- a. Push in position NAS557-18C Split Plastic Grommet groove around periphery of the airframe hole cut out for sump drain port fitting (Figure 1).
 - (1) Locate split line at 12 o'clock position.
4. Close access to the fuel filler compartment (Zone 172), [DMC-505-A-06-30-00-00A-030A-A](#).
5. Make an entry in the helicopter logbook and historical service records indicating compliance with this Alert Service Bulletin.

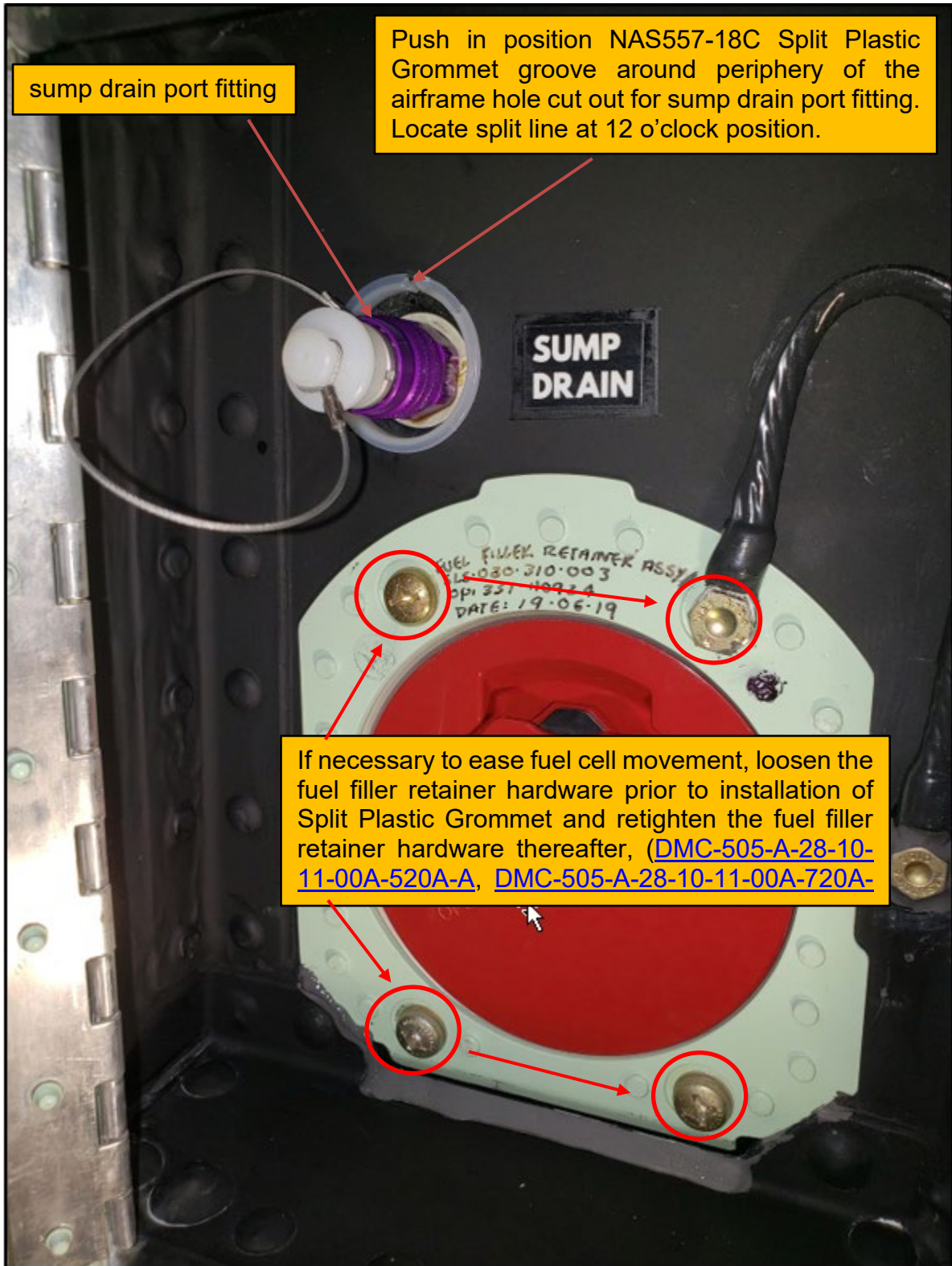


FIGURE 1 – Fuel Filler Compartment (Zone 172)