A Textron Company

ALERT SERVICE BULLETIN **505-26-53**

18 March 2026

MODEL AFFECTED: **505**

SUBJECT: **HYDRAULIC PRESSURE FILTER ASSEMBLY INSTALLATION, ONE-TIME INSPECTION AND CORRECTION OF.**

HELICOPTERS AFFECTED: **Serial numbers 65011 through 65695, 65697 through 65704, 65709 through 65714, 65717, 65718, 65720 through 65729, 65736, and 65742.**

[Serial number 65696, 65705 through 65708, 65715, 65716, 65719, 65730 through 65735, 65737 through 65741, 65743, and 65744 will have the intent of this bulletin accomplished prior to delivery.]

COMPLIANCE: Within 33 flight hours following the release date of this bulletin.

DESCRIPTION:

Bell has received two reports of fouling between the hydraulic pressure filter assembly and an adjacent rigid transmission oil tube assembly (SLS-040-307-101). This Alert Service Bulletin is being released to require a one-time inspection of the hydraulic filter assembly installation. If the minimum clearance requirements between the two components are not met, then they need to be corrected.

The clearance requirements have already been incorporated in the hydraulic filter pressure assembly installation procedure (DMC-505-A-29-10-09-00A-720A-A Figure 1, Sheet 2 of 2)

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

MANPOWER:

Approximately 1.0 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:

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

MATERIAL:

None required.

Consumable Material:

None required.

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

505-MM, Maintenance Manual, Chapter 29 and 53.
505-CMM, Component Maintenance Manual, Chapter 63.

PUBLICATIONS AFFECTED:

None affected.

ACCOMPLISHMENT INSTRUCTIONS:

1. Prepare the helicopter for maintenance.

2. Remove the left transmission fairing (432AL) (DMC-505-A-53-40-01-00A-520A-A).

3. Remove the upper-left mid-fuselage access-panel (433AL) (DMC-505-A-53-40-03-00A-520A-A).

4. Verify a minimum clearance of 1.0 inch (25.4 mm) between the hydraulic pressure filter assembly and the rigid transmission oil tube assembly (Figures 1 and 2).

   a. If the clearance **is less** than 1.0 inch (25.4 mm) go to step 5.

   b. If there **is** a minimum of 1.0 inch (25.4 mm) clearance, go to step 8.

5. Inspect the transmission oil tube assembly for damage.

   a. If there **is no** damage, go to step 6.

   b. If there **is** damage, replace the transmission oil tube assembly (DMC-505-A-63-21-02-00A-520B-B and DMC-505-A-63-21-02-00A-720B-B), then go to step 6.

6. Loosen the clamps attaching the hydraulic pressure filter assembly to the mechanical truss assembly and reposition the hydraulic pressure filter assembly until a minimum clearance of 1.0 inch (25.4 mm) is obtained. This may also require loosening of the hydraulic oil lines attached to the hydraulic pressure filter assembly.

7. Use the 505-MM hydraulic pressure filter installation procedure to torque the clamps and fittings as required (DMC-505-A-29-10-09-00A-720A-A).

8. Install the upper-left mid-fuselage access-panel (433AL) (DMC-505-A-53-40-03-00A-720A-A).

9. Install the left transmission fairing (432AL) (DMC-505-A-53-40-01-00A-720A-A).

10. Make an entry in the helicopter logbook and historical service records indicating compliance with this Alert Service Bulletin.

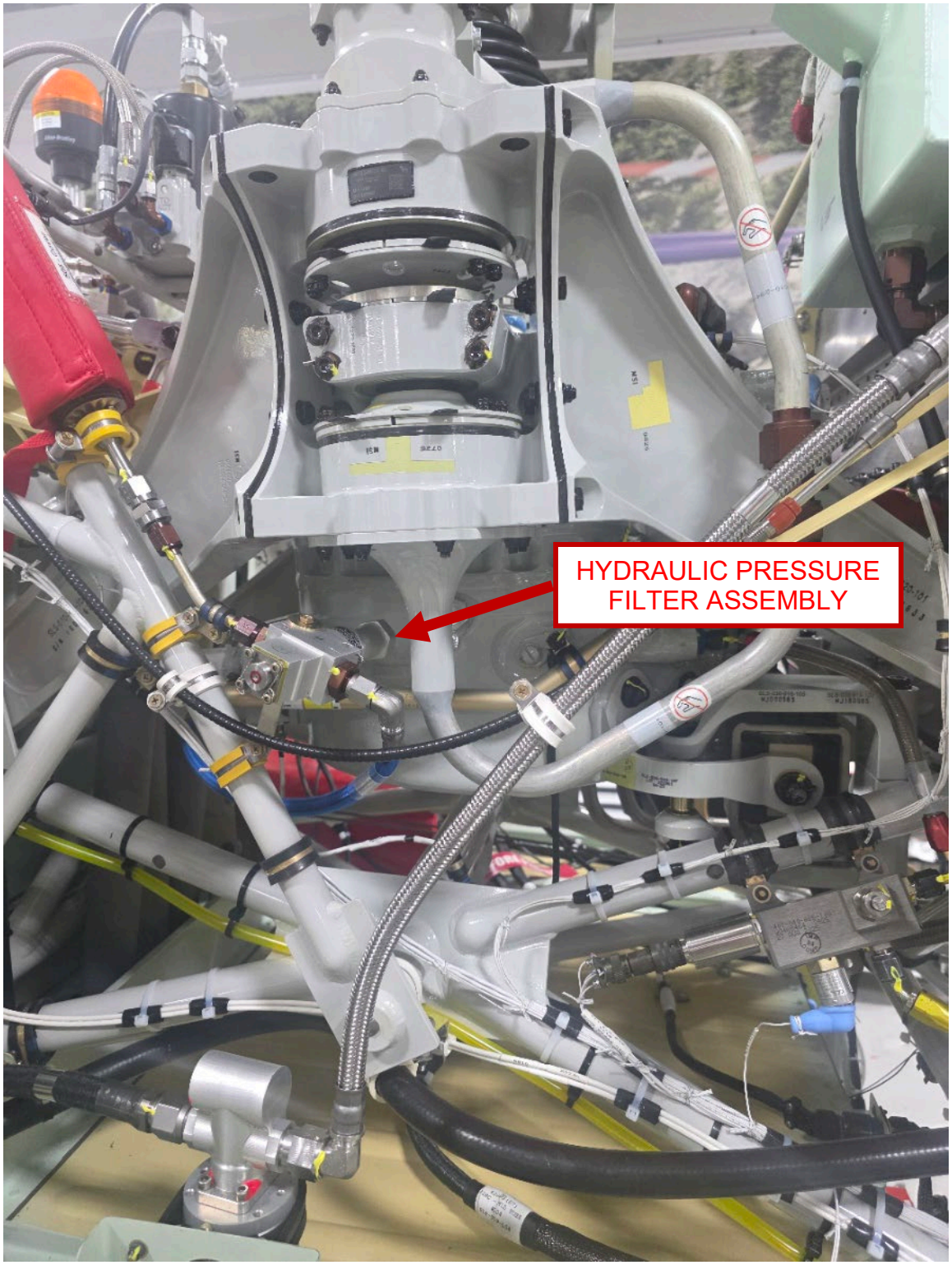

FIGURE 1 – INSTALLATION OF HYDRAULIC PRESSURE FILTER ASSEMBLY (LOOKING INBOARD FROM LEFT SIDE)

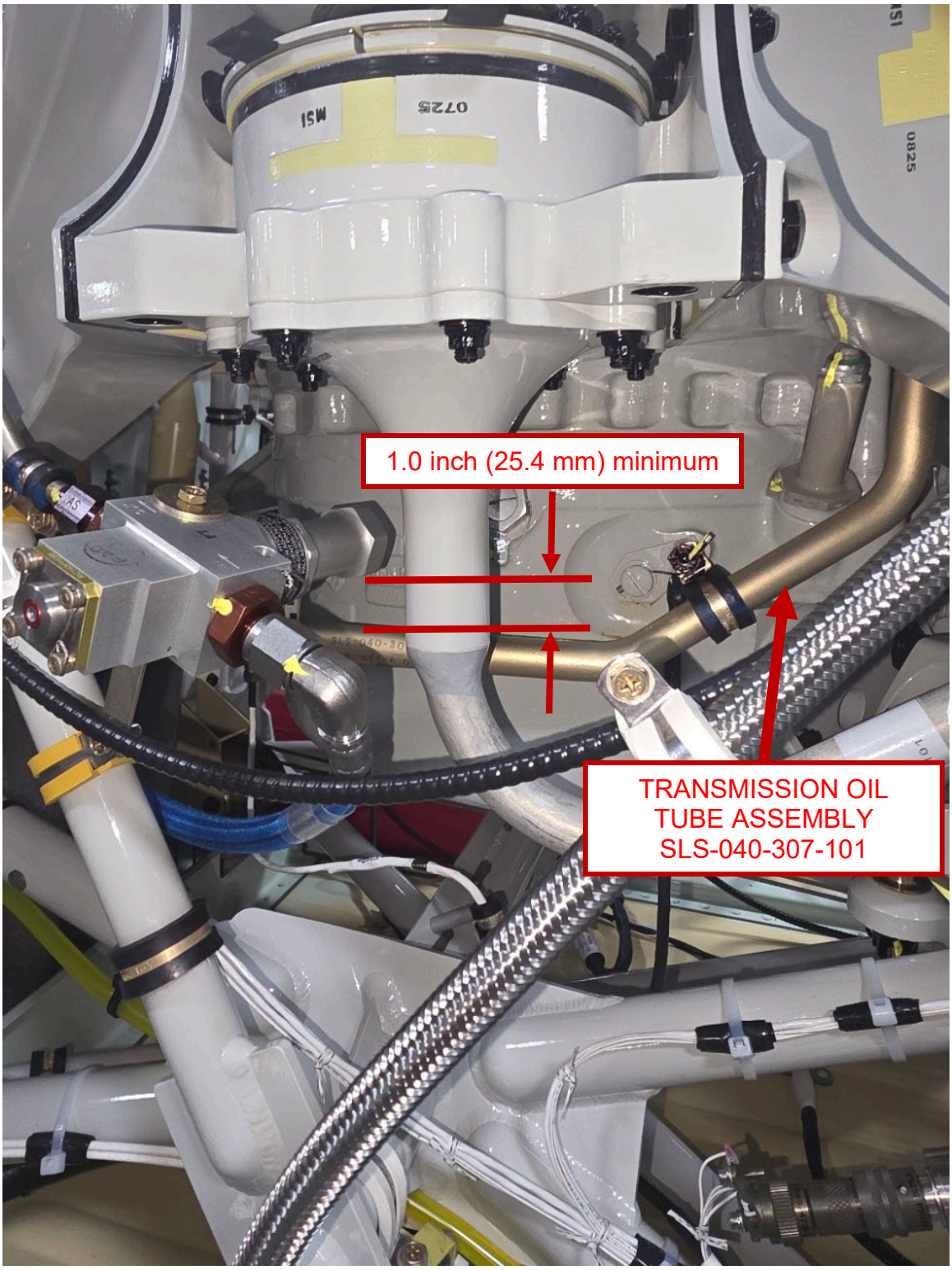

FIGURE 2 – MINIMUM CLEARANCE REQUIREMENTS