

RUSSIAN FEDERATION
MINISTRY OF TRANSPORT OF THE RUSSIAN FEDERATION
FEDERAL AIR TRANSPORT AGENCY

AIRWORTHINESS DIRECTIVE

March 26, 2025

No. 252603-An-03

Applicability – An-26 aircraft (all modifications)
State of Design – Russian Federation

The corrective actions set out in this Airworthiness Directive are mandatory. No operator shall operate an aircraft subject to this Airworthiness Directive except in accordance with the requirements of this Directive.

In order to ensure flight safety and maintain airworthiness of the fleet of An-26 type aircraft in operation and in storage, in connection with detection of corrosive damage of bilge fittings drawing No. 26 0320-101, on the basis of Technical Solution of GosNII GA dated 20.03.2025 No. 7. TR1.26.3.8-25/27 (hereinafter referred to as the Technical Solution)

REQUEST:

1. To perform a one-time visual inspection and eddy current test of bilge fittings, fuselage structural elements between ribs 11-33, stringers 13-17, in accordance with the Technical Solution on the fleet of An-26 type aircraft (hereinafter referred to as the aircraft) at the nearest routine maintenance.
2. For aircraft in storage, carry out the work specified in paragraph 1 of this Directive in preparation for flight after storage.
3. The information on the work performed shall be recorded in the aircraft logbook.
4. The results of the inspection and testing should be sent to GosNII GA.
5. In case of damage to structural elements of the aircraft, the aircraft shall be suspended from operation.
 - 5.1 To make a decision on the possibility and terms of further operation of the aircraft, send a notice on structural damage to GosNII GA in accordance with Appendix No. 2 to the Technical Solution.
6. This Directive shall come into effect from 28.03.2025.

Appendix: Technical Solution dated 20.03.2025 No. 7.TR1.26.3.8 25/27 on 5 p.

Deputy Chief Officer
of the
Federal Air Transport Agency

S.M. Stramous

APPROVED by
CHIEF DESIGNER of
GOSNII GA

_____ M.S. Gromov
_____ 2025

Technical Solution No. 7. TR1.26.3.8-25/27
one-time inspection of bilge fittings drawing No. 26-0320-101
on An-26 aircraft of all modifications.

13.01.2025 on the AN-26B-100 aircrafts RA-26056 serial No. 110-05, RA-26118 serial No. 122-07 owned and operated by AO "KrasAvia", corrosion damage of bilge fittings drawing No. 26-0320-101, on the 12-left rib of the aircraft RA-26056 serial No. 110-05 and on the 13-left rib of the aircraft RA-26118 serial No. 122-07 was detected during maintenance work, see Appendix No. 1.

To maintain the airworthiness of the fleet of An-26 GA type aircraft, including aircraft in storage, it is necessary to perform a one-time visual inspection and eddy current test of bilge fittings and fuselage structural elements between ribs 11-33, stringers 13-17:

- dismantle the folding paratrooper seats (for An-26, Fig. 352, Part VI, Book II, Maintenance of An-26 aircraft) in the cargo cabin of the aircraft in accordance with the Technical Operation Manual, Book 2, Section 2;
 - dismantle passenger seats (for aircraft modified to An-26-100, An-26B-100 for use in cargo-and-passenger version, annex to Maintenance, Technical Specifications and Maintenance Manual) in the cargo cabin of the aircraft TC No. 401 of Section 2.2 of the annex to Maintenance, Technical Specifications and Maintenance Manual for operation in cargo-and-passenger version;
 - dismantle the lower box (item 29, fig. 318, Part VI, Book II, Maintenance of the An-26 aircraft) of the air conditioning system (IAMS) TC No. 12, Technical Specifications issue 2.09 and Technical Specifications issue 26-12;
 - dismantle the linings of the cargo cabin in the area of ribs 11-33, stringers 13-18 of TC No. 3 issue 2.13 and Technical Specifications issue 26-12;
 - remove the heat insulation-sound proofing to inspect the area of the bilge rib between ribs 11-33, stringers 13-17;
 - perform visual-optical inspection of the bilge fittings and fuselage structural elements between ribs 11-33, stringers 13-17 for corrosion or cracks, check the integrity and quantity of fasteners.
- Note: General requirements for visual-optical inspection are stated in GOST 23479-79;*
- perform eddy current test of bilge fittings similarly to TC No. 20 of Technical Specifications issue 2.10 (in accessible areas), by specialists of non-destructive testing from the operating organization;

- reassemble the dismantled elements of the furnishings in reverse order.

At the time of the next routine aircraft maintenance perform a one-off inspection for aircraft in storage when preparing it for flight after storage.

Make a record of the work performed in the aircraft logbook.

Report the result of the inspection to GosNII GA. In case of damage to structural elements, remove the aircraft from operation, issue a structural damage notice (see Appendix No. 2) and send it to GosNII GA for a decision on the possibility and terms of further operation of the aircraft.

Appendices: 1. Areas of possible defects.
 2. Notice of structural damage.

Area Head for aircraft airworthiness
maintenance SC in GosNII GA,
Department head – advisor for service No. 155

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_____ S.A. Kovalevskiy
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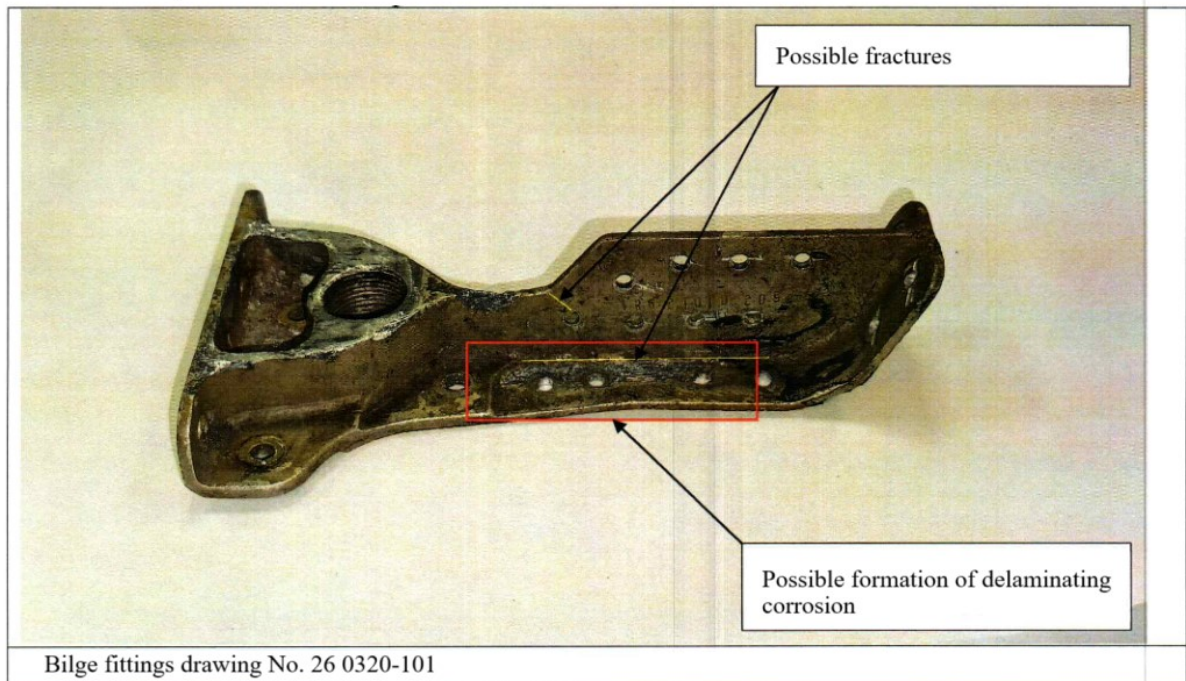
_____ G.G. Gureev
_____ 2025

Head of the design support
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_____ A.V.
_____ Kostenko
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Appendix No. 1

Areas of potential defects



Appendix No. 2

Notice of structural damage							
Aircraft type	No.	Date.	Page		1 of 2		
1. Aircraft serial number: XXXXXXXXXX		2. Aircraft number: RA-XXXXXX		3. Operator:			
4. Date of detection: XX.XX.XXXX		5. TTSN/TSO (hours): XXXXX/XXXXX		6. TTSN/TSO (landings): XXXXX/XXXXX			
7. Date of the aircraft's release: XX.XX.XXXX		8. Date of the last overhaul: XX.XX.XXXX					
9. Maintenance scheduling:				Tel.:			
Contact:				E-mail:			
10. DAMAGED PART (COMPONENT):				11. Date of installation:		XX.XX.XXXX	
12. Part drawing No.:		13. TTSN/TSO (hours): XXXXX/XXXXX		14. Release date: XX.XX.XXXX			
15. Component serial No.:		16. TTSN/TSO (landings): XXXXX/XXXXX		17. Date of the last overhaul: XX.XX.XXXX			
18. CONTROL:		planned ☐		unscheduled ☐		by notice ☐	
General visual inspection: ☐		Detailed visual inspection: ☐		X-ray: ☐		Hypersonic: ☐	
Eddy-current: ☐		Thermographic: ☐		Acoustic: ☐		Dye-penetrant method: ☐	
Magnetic particle inspection: ☐		Brand of non-destructive testing device/date of inspection:					
Comment:							
19. DEFECT:		Accidental: ☐		Fatigue: ☐		Corrosion: ☐	
Crack: ☐		Puncture/breakdown: ☐		Dent: ☐		Stratification: ☐	
Scratch: ☐		Buckling: ☐		Burnt spot: ☐		Disbond: ☐	
Scoring: ☐		Deterioration/ exhaustion: ☐		Other: ☐			
Dimensions:		Length:		Width:		Depth:	
Defect location:							
Existing adjacent repairs:							
Additional data:							
20. APPENDICES:							

21. SKETCHES AND PHOTOGRAPHS: