

	Formulář projekční organizace / Design Organisation Form		Dokument úrovně / Doc. Level	F
	SERVISNÍ BULLETIN / SERVICE BULLETIN			F-BRM-809
BRM AERO, s.r.o. Letecká č.ev. 255, 686 04 Kunovice, Czech Republic	Phone: +420 773 984 338	Issue / Revision – Vydání / Revize		1/0
	Email: info@brmaero.com	No. of Pages – Počet stran		2
	Web: www.bristell.com	Page No.: - Strana č.:		1
PROJEKT Č.: / PROJECT NO.: N/A		SERVISNÍ BULLETIN Č.: / SERVICE BULLETIN NO.: B23-SBM-0-0-0-ALL-0005-2026		
VISUAL INSPECTION OF NOSE LANDING GEAR LEG FOR CRACKS IN WELDS				

INTRODUCTION

This service bulletin is issued for a preventive visual inspection of the front landing gear legs of BRISTELL B23 aircraft (all models) in order to detect possible cracks in the welds.

0 RECORD OF REVISIONS

Issue	Revision	Approval	Affected pages	Reason	Date
1	0	*	All	Issue 1	20.03.2026

* Approved within DOA / Approved by EASA under No.: EASA.21J.766

1 GENERAL INFORMATION

- 1.1 ATA Code: ATA 32 LANDING GEAR
- 1.2 Affected aircraft: All BRISTELL B23 models, all serial numbers
- 1.2.1 EASA TC No.: EASA.A.642
- 1.2.2 Type: BRISTELL B23
- 1.2.3 Model: ALL (B23, B23-912iS, B23-915, B23-915 IFR, B23-916)
- 1.2.4 S/N: ALL
- 1.2.5 Countries: ALL
- 1.3 Reason: This service bulletin is issued based on an occurrence the nose landing gear collapsed during taxiing on runway. There is a suspicion of gradual fatigue crack in the welds of the nose landing gear leg. These occurrences could be prevented by thorough periodic inspections (see 2.2), during which initial cracks should be detected.
- 1.4 Subject/Required Action: Thorough visual inspection the aircraft nose landing gear leg for possible cracks, especially in areas around welds, and for deformation in accordance with the information provided in this bulletin. Consistent performance of the prescribed aircraft inspections (see 2.2).
- 1.5 Safety intent: The safety intent is to prevent the unsafe condition. The potential unsafe condition is reduction or loss of strength of the nose landing gear leg leading to collapse.
- 1.6 Configuration description: All B23 aircraft are equipped with nose landing gear drawing number 32B210100N.
- 1.7 Compliance: ☒ Service bulletin (SB) must be accomplished
☒ This SB could be made mandatory by an EASA Airworthiness Directive (AD)
☐ This SB is mandatory as per EASA AD No.:
☐ Service bulletin recommended to be accomplished to prevent significant operation disruptions
☐ Service bulletin to introduce improvements
☐ Service bulletin for convenience or option
☐ Service bulletin for non-standard repair
- 1.8 Compliance time: Not later than at nearest periodical inspection.
- 1.9 Mass data: N/A
- 1.10 Software modification: N/A
- 1.11 Electrical load data: N/A
- 1.12 Limitations (for Repairs by 21.A.433): N/A

2 DOCUMENTS

- 2.1 Superseded documents: N/A
- 2.2 Referenced docs.:
- | | | |
|---------------------|--|------------------------|
| ADxC-73-001-AMM | B23 Airplane Maintenance Manual, | Edition 2.4 |
| ADxC-73-003-AMM | B23-915 Airplane Maintenance Manual, | Supplement Edition 1.1 |
| B23912iS-AMM-5-8-11 | B23-912iS Airplane Maintenance Manual, | Initial issue |
| B23916-AMM-13-36-11 | B23-916 Aircraft Maintenance Manual, | Initial issue |
- 2.3 Affected docs: No effect to AFM/AMM

3 MATERIAL INFORMATION

- 3.1 Required material: N/A

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3.2 Required tools

Set of common workshop tools especially

1. Phillips screwdriver for removing the front leg cover (upper and bottom part)
2. Washing aids to clean the leg of dirt
3. Magnifying glass with illumination to check the leg or hand-held flashlight and magnifying glass
4. Inspection mirror for checking hard-to-reach areas

3.3 Costs covered by

Aircraft owner. BRM AERO will not reimburse any direct/indirect costs associated with the inspection.

4 ACCOMPLISHMENT INSTRUCTIONS

4.1 Type of maintenance

Line

4.2 Authorization to perform

Verified staff / Approved maintenance organization

4.3 Manpower

Approx. 1 hour estimated to accomplish this SB

4.4 Work procedure

- 1) Remove the front landing gear leg cover and front wheel cover – refer to AMM.
- 2) It is recommended to also remove the engine upper and bottom cowlings – refer to AMM.
Note: Removing the cowling (part of the 100-hour/annual inspection) improves access to the front landing gear leg and its visual inspection.
- 3) Clean the leg thoroughly of any dirt.
- 4) Visually inspect the nose landing gear leg for possible occurrence of cracks, especially in areas around all welds see Fig. 1.
- 5) Check nose leg for any visible deformations.
- 6) If any cracks or deformation are detected during inspection or if in doubt:
 - a. Contact the manufacturer (service@bristell.com) to agree on the next steps.
 - b. Replace the nose landing gear leg if necessary according to the procedures for removal/installation of the nose landing gear leg – refer to AMM.
- 7) Re-install the engine cowlings if removed – refer to AMM.
Re-install the nose landing gear leg covers – refer to AMM.

4.5 Work inspection

- Visual inspection of installation/check tightening of covers of nose landing gear leg, front wheel and upper/lower engine cowling.
- Airplane Log Book entry.

4.6 Bulletin compliance

Record the implementation of the bulletin in the Airplane Log Book

The Service Bulletin has been implemented in its full extent and in full compliance with the procedures defined in this Bulletin

Bulletin scope: Design Change / Repair / Unrepaired Damage

Date of implementation: Implemented by (Name and Signature of Certifying Staff)

5 BULLETIN APPROVAL

5.1 Author	5.2 Verification engineer
5.1.1 Name: Jiří OVČÁČÍK	5.2.1 Name: Milan BRÍSTĚLA
5.1.2 Date: 20.03.2026	5.2.2 Date: 20.03.2026
5.1.3 Signature:	5.2.3 Signature:

5.3 Office of Airworthiness release
5.3.1 Name: Petr JAVORSKÝ
5.3.2 Date: 20.03.2026
5.3.3 Signature:

Declaration:

THE TECHNICAL CONTENT OF THIS DOCUMENT IS APPROVED
UNDER THE AUTHORITY OF THE DOA REF. EASA.21J.766

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6 APPENDICES

6.1 List of Appendices to the bulletin: 6.2 APPENDIX 1 Scheme of front landing gear leg and visual inspection points

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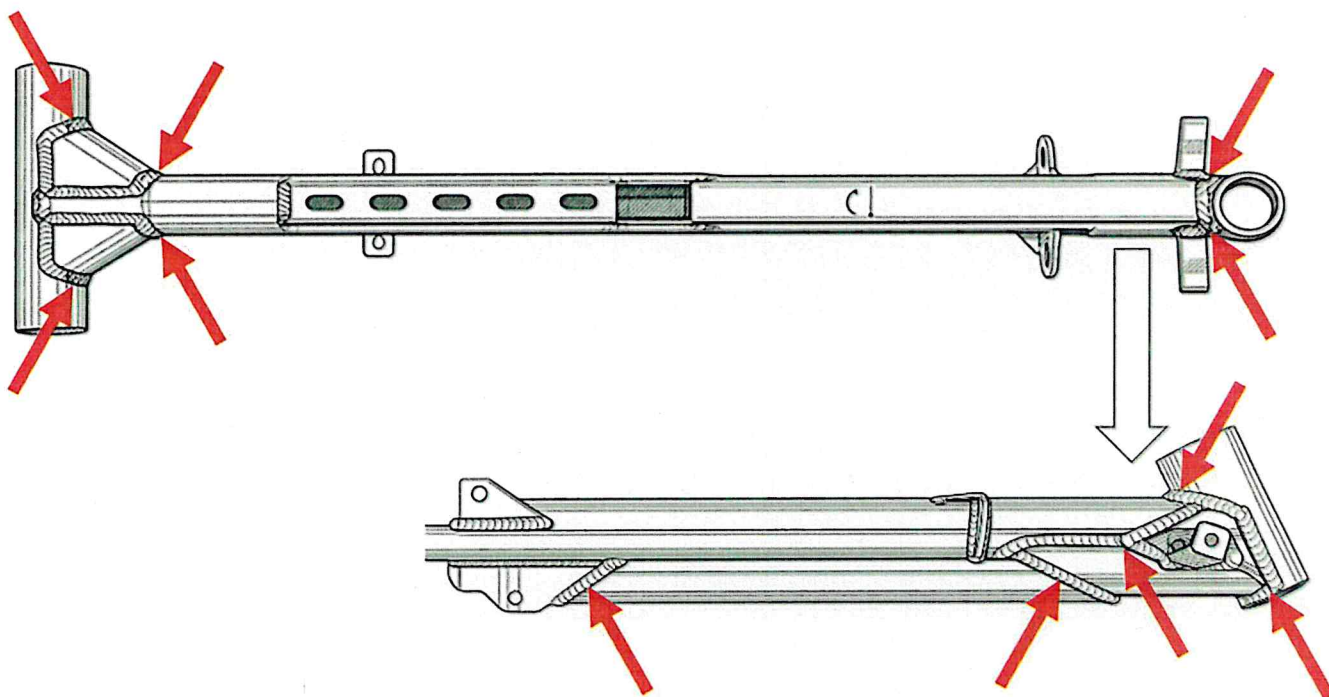


Fig. 1 Visual inspection areas of the front landing gear leg, number 32B210100N

Note: Generally check all welds on the front landing gear leg.

