	BULLETIN TITLE: FRONT UNDERCARRIAGE INSPECTION		
	CLASSIFICATION: MANDATORY SERVICE BULLETIN SAFETY DIRECTIVE/ALERT		
	BULLETIN NUMBER: ALL-SB-0-0-0-ALL-0003-2025		
	Date of issue: 14.07.2025	Revision no.: 0 (1st Issue)	Page: 1
Letecká 255 686 04 Kunovice Czech Republic	Tel.: +420 773 984 338 info@brmaero.com www.brmaero.com	Date of effect: 14.07.2025	Date of rev.: - Pages: 7

0 RECORD OF REVISIONS	Rev.No.	Affected pages	Reason	Date
	0	All	1 st Issue	14.07.2025

1 GENERAL INFORMATION

1.1 Affected aircraft

- 1.1.1 Type:** BRISTELL (Ultra-light / Light Sport category aircraft)
 Note: NOT applicable to EASA certified Bristell B23 aircraft
- 1.1.2 Model:** All models with fixed tricycle landing gear
- 1.1.3 S/N:** Unspecified
- 1.1.4 Countries:** All countries

- 1.2 Reason**
 One of the aircraft in service had the lower end of the front landing gear leg broken off; see 6.1 ANNEX 1 Photographic documentation. The cause was a gradual fatigue fracture.
 The occurrence could have been prevented by thorough pre-flight and periodic inspections (see 2.2), during which starting cracks should be detected.

- 1.3 Required action**
 Visual inspection of the front undercarriage leg and fork for possible cracks, especially around welds and for deformation.
 Consistent performance of the prescribed inspections of the airplane (see 2.2).

- 1.4 Compliance time** At next periodic inspection.

- 1.5 Mass data** Not affected

- 1.6 Electrical load data** Not affected


2 DOCUMENTS

- 2.1 Superseded documents** NONE
- 2.2 Revised documents** Aircraft Maintenance and Inspection Procedures
- 2.3 Affected documents** NONE

3 MATERIAL INFORMATION

- 3.1 Required material** None
- 3.2 Required tools**
1. Phillips screwdriver for removing the front leg cover
 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** BRM does not bear the costs of the inspection

Form no: BRM-FORM-BUL-001	Form date of issue: 11.11.2015	Rev.: -	Rev.date of issue:
File name: ALL-SB-0-0-0-ALL-0003-2025 1st Issue.docx			© BRM Aero s.r.o.

 <p>Letecká 255 686 04 Kunovice Czech Republic</p> <p>Tel.: +420 773 984 338 info@brmaero.com www.brmaero.com</p>	BULLETIN TITLE: FRONT UNDERCARRIAGE INSPECTION			
	CLASSIFICATION: MANDATORY SERVICE BULLETIN SAFETY DIRECTIVE/ALERT			
	BULLETIN NUMBER: ALL-SB-0-0-0-ALL-0003-2025			
	Date of issue: 14.07.2025	Revision no.: 0 (1st Issue)	Page: 2	
	Date of effect: 14.07.2025	Date of rev.: -	Pages: 7	

4 ACCOMPLISHMENT INSTRUCTIONS


- 4.1 Type of maintenance** Line
- 4.2 Authorization to perform** No special requirements, but an aircraft mechanic is recommended.
- 4.3 Manpower** Estimated time for visual inspection: 45 min
- 4.4 Work procedure** Remove the front undercarriage leg cover and front wheel cover.
Clean the leg of any dirt.
Carry out a thorough visual inspection of the front undercarriage leg and fork for possible cracks, particularly in the areas around the welds.
Also check for any deformations.
Reinstall the leg covers.
Record the execution of the bulletin in the logbook.
- 4.5 Work inspection** Check tightening of covers.
- 4.6 Bulletin compliance record** Record the execution of the bulletin in the logbook
- 4.7 Feedback** Contact service@brmaero.com if you find cracks in the undercarriage leg or if you have any doubts

5 BULLETIN APPROVAL

- 5.1 Elaborated by:** Petr Javorský, BRM Aero, Certification manager
- 5.2 Date of elaboration:** 14.07.2025

- 5.3 Approved by:** Milan Bříšťela, BRM Aero, CEO
- 5.4 Date of approval:** 14.07.2025

- 6 ANNEXES** 6.1 ANNEX 1 Photographic documentation

		BULLETIN TITLE: FRONT UNDERCARRIAGE INSPECTION	
		CLASSIFICATION: MANDATORY SERVICE BULLETIN SAFETY DIRECTIVE/ALERT	
		BULLETIN NUMBER: ALL-SB-0-0-0-ALL-0003-2025	
Letecká 255	Tel.:+420 773 984 338	Date of issue: 14.07.2025	Revision no.: 0 (1st Issue)
686 04 Kunovice	info@brmaero.com	Date of effect: 14.07.2025	Page: 3
Czech Republic	www.brmaero.com	Date of rev.: -	Pages: 7

6.1 ANNEX 1 Photographic documentation



Figure 1 Front undercarriage leg with broken lower end.



Figure 2 The fracture surface at the end of the leg.


		BULLETIN TITLE: FRONT UNDERCARRIAGE INSPECTION	
		CLASSIFICATION: MANDATORY SERVICE BULLETIN SAFETY DIRECTIVE/ALERT	
		BULLETIN NUMBER: ALL-SB-0-0-0-ALL-0003-2025	
Letecká 255	Tel.:+420 773 984 338	Date of issue: 14.07.2025	Revision no.: 0 (1st Issue)
686 04 Kunovice	info@brmaero.com	Date of effect: 14.07.2025	Page: 4
Czech Republic	www.brmaero.com	Date of rev.: -	Pages: 7



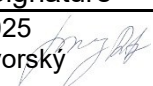
Figure 3 Fracture area on the lower broken part of the leg

Form no: BRM-FORM-BUL-001	Form date of issue: 11.11.2015	Rev.: -	Rev.date of issue:
File name: ALL-SB-0-0-0-ALL-0003-2025 1st Issue.docx			© BRM Aero s.r.o.

MAINTENANCE AND INSPECTION PROCEDURES

0. CHAPTER – DOCUMENT CHANGES

0.1 *Record of revisions*

Rev. No.	Reason for revision	Affected Pages	Date of Issue	Date and Signature
a	100h inspection additional tasks	0-1, 2-9	05/2025	07/2025 P.Javorsky 

0.CHAPTER – DOCUMENT CHANGES

MAINTENANCE AND INSPECTION PROCEDURES

0.2 LIST OF EFFECTIVE PAGES

The following table lists only the new pages of this Document that need to be inserted into the original Maintenance and Inspection Procedures.

Chapter	Page	Rev.	Date	Chapter	Page	Rev.	Date
	0-1a	a	07/2025				
	0-2a	a	07/2025				
	2-9a	a	07/2025				
3							

0.CHAPTER – DOCUMENT CHANGES

MAINTENANCE AND INSPECTION PROCEDURES

Extend the annual/100h inspection to include the following checks:

ANNUAL PERIODICAL INSPECTION OR INSPECTION AFTER 100 FLIGHT HOURS			
Page: 3a of 5			
Chpt.	Prescribed works	Done by	Checked by
8	Landing gear		
	Main landing gear		
	Remove the wheel covers		
	Check the main landing gear legs and their attachment to the fuselage for possible cracks		
	Check for possible cracks in the wheel cover mounting brackets and in the mounting brackets themselves.		
	Reinstall wheel covers and check tightening/securing of the joints.		
	Nose landing gear		
	Remove nose wheel cover and nose leg cover		
	Carry out a thorough visual inspection of the front undercarriage leg and fork for possible cracks, especially in the areas around the welds. Also check for any deformations.		
	Reinstall the nose wheel cover and nose leg cover. Check tightening of all joints.		