



**North America's
Full Service
Jabiru Center**

www.usjabiru.com email: info@usjabiru.com phone: 931-680-2800 fax: 931-680-2800
2842 Highway 231 North, Shelbyville, TN 37160

SERVICE BULLETIN	
Service Bulletin #	JSA-003-1
Superseded Bulletin #	JSA-003
Issue Date	08/27/2009
Effective Date	08/27/2009
Limitations for Completion	Before the Next Flight
Make & Model Affected	J250-SP Serial # All
	J230-SP Serial # All
	J170-SP Serial # All
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1 APPLICABILITY:	1
2 BACKGROUND:	1
3 COMPLIANCE – IMPLEMENTATION SCHEDULE	1
4 PROCEDURE:	1
5 AIRWORTHINESS NOTE:	2

Issue	Reason for Issue	Revision Status
2	To conform to ASTM F2295 format	08/27/2009

1 Applicability

All models of Light Sport Aircraft manufactured by Jabiru USA Sport Aircraft, LLC.

2 Background:

- Several bolts used in the undercarriage of Jabiru Aircraft are subject to relatively high loads and vibrations.
- To reduce the frequency of undercarriage bolt failures a 500-hour life has been applied to several critical bolts.

3 Compliance – Implementation Schedule

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- Bolts and nuts used in the positions shown in Figure 1 are to be replaced at the first 100 hour inspection or annual condition inspection after 500 hours Time In Service (TIS).
- Bolts which have already surpassed 500 hours TIS are to be replaced at the aircraft's next 100-hourly or annual inspection.

4 Procedure:

- A procedure for removing the undercarriage legs is given in the Service Manuals of all Jabiru Aircraft and is to be used for this task.
- Figure 1 shows a general schematic of a tricycle undercarriage for a Jabiru Aircraft. The bolts which are to be replaced are indicated. While there are detail differences between Jabiru models all have the same general layout and have the same critical 7 bolts which are to be replaced.
- Note that because of differences in thickness of the fiberglass supporting structure the length of the bolts used in each position is not fixed. That is, the left-rear bolt of aircraft "A" is not necessarily the same length as the left-rear bolt of aircraft "B".
- The length of the new bolt fitted should match that of the old bolt being removed. Please confirm the correct length of the bolts for your aircraft before ordering bolt kits.
- Standard aircraft practices apply to nuts: when tightened no less than 1 and no more than 3 threads must show through the nut.



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- The old bolts and the aircraft components are to be inspected while disassembled for indications of looseness, fretting or other damage and repaired / replaced as necessary.

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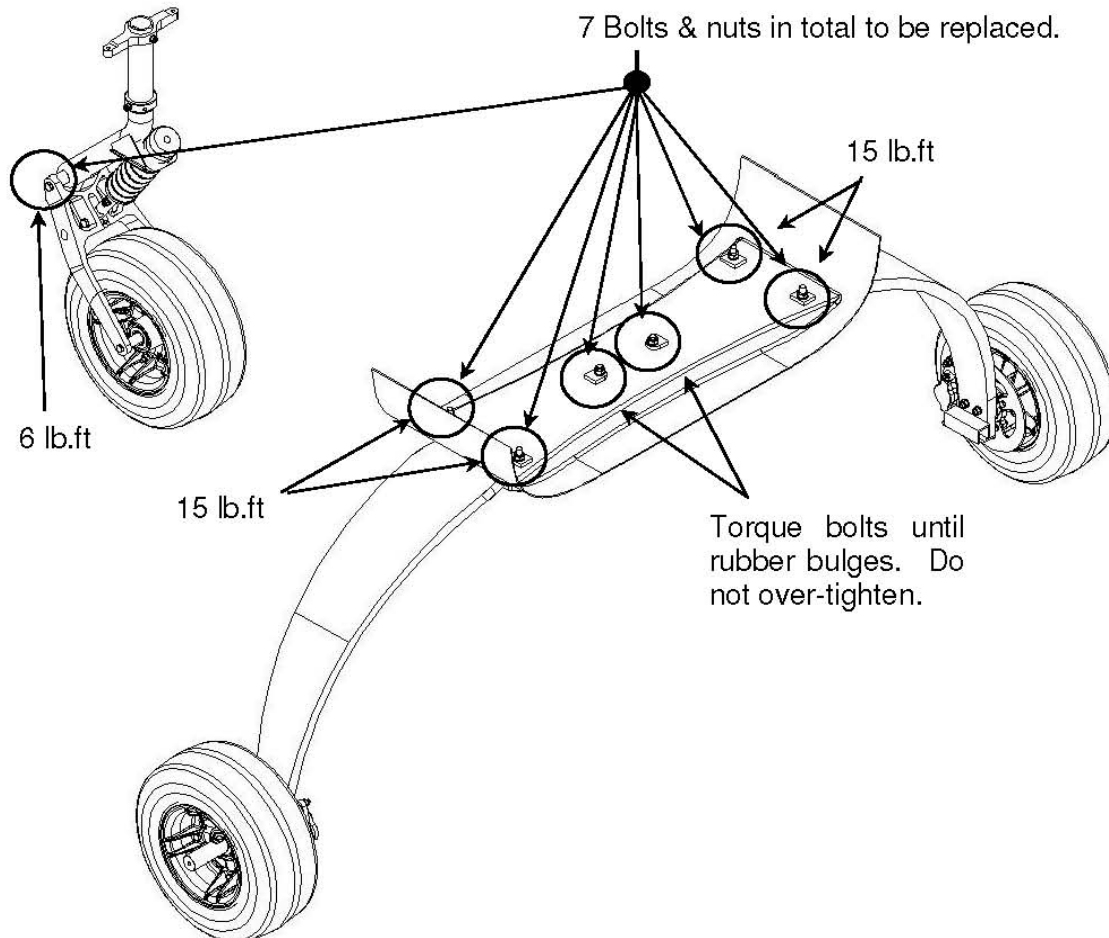


Figure 1 – Undercarriage



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5 Airworthiness Note:

- All work called for by this Bulletin must be carried out by technicians with either an A&P rating or a LSA Repairman / Maintenance rating.
- On completion of the work, the technician must note the completion of the actions required by this bulletin in the aircraft's maintenance logbook. This note should include the date of the work and the identity (including license number where appropriate) of the person carrying out the work.