



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

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2842 Highway 231 North, Shelbyville, TN 37160

SERVICE BULLETIN	
Service Bulletin #	JSA-007-1
Superseded Bulletin #	JSA-007
Issue Date	04/15/2014
Effective Date	04/15/2014
Limitations for Completion	At Next Engine Overhaul or Major Repair or Inspection
Make & Model Affected	J250-SP Serial # All
	J230-SP Serial # 501 thru #797
	J170-SP Serial # 75 thru # 207
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Issue	Reason for Issue	Revision Status
1	Through Bolt advisory from Jabiru Aircraft Pty, Ltd	12/01/2011

1 Applicability

All models of Light Sport Aircraft manufactured by Jabiru USA Sport Aircraft, LLC within serial number ranges above.

2 Background:

- A few Jabiru engines in Australia have had failures of the crankcase through bolts.
- To reduce the frequency of failure a deeper cylinder base nut and longer through bolt and crankcase stud have been designed.

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3 Compliance – Implementation Schedule

- Replacement of cylinder base nuts, through bolts and studs must occur at the next top or full overhaul. Additionally – if the engine undergoes a major repair or inspection where the crankcase is disassembled it must be reassembled with through bolts and nuts compliant to this bulletin.

4 Procedure:

1. Inspection and Reinstallation
 - a. Level of expertise required: A&P, LSA Repairman / Maintenance, or service center authorized by Jabiru USA Sport Aircraft, LLC
 - b. Tools Required
 - i. Basic mechanic's hand tools
 - ii. Accurate torque wrench
 - iii. 7/16" socket with extension as required
 - iv. Wire cutter
 - v. Safety wire pliers



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- c. Materials and Parts Required
- i. Through bolts Part # 4291044..... (qty 6 for 2200 engine or qty 10 for 3300 engine)
 - ii. Long studs Part # 4292044..... (Qty 4)
 - iii. Front Studs Part # 4293044..... (Qty 2)
 - iv. 12 Point Nuts part # PH4A055N..... (Qty 26 for 3300 engine or qty 18 for 2200 engine)
- V. Loctite 620
- d. Follow procedure in the latest revision of the Jabiru Overhaul Manual JEM-001 found at www.jabiru.net.au

5 Airworthiness Note:

- All work called for by this Bulletin must be carried out by technicians with an A&P rating or a LSA Repairman / Maintenance rating who have had training on the complete teardown of Jabiru engines.
- 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 and the number of hours in service of the engine in question..