



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

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2842 Highway 231 North, Shelbyville, TN 37160

SERVICE BULLETIN	
Service Bulletin #	JSA-002-1
Superseded Bulletin #	JSA-002
Issue Date	08/27/2009
Effective Date	08/27/2009
Limitations for Completion	Before the Next Flight
Make & Model Affected	J250-SP Serial # 250 through 544
	J230-SP Serial # 248 through 544
	J170-SP Serial # 36 through 188
Page 1 of 3	

This issuance of JSA-002-1 is to put the superseded bulletin in the correct format as specified in ASTM F2295

1. Applicability
 - All Jabiru J230-SP serial number 248 through 544
 - All Jabiru J250-SP Serial number 248 through 544
 - All Jabiru J170-SP Serial number 36 through 188

2. Background:
 - There has been a change in specification from Jabiru Aircraft Pty, Ltd regarding propeller hub bolt installation and security for the propeller hub extension installed on Jabiru 2200 and 3300 engines.

3. 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. 5/16 hex driver at least 2.5 inches long
 - ii. Appropriate breaker bar and ratchet drive for the hex driver
 - iii. Standard wrench set
 - iv. Screw drivers
 - v. Torque wrench capable of 30 ft lbs
 - c. Materials and Parts Required
 - i. Loctite 620 (available locally or from online suppliers like www.McMaster.com or www.grainger.com)
 - ii. 6 x AN365-624 Locking Nuts
 - d. Remove spinner and propeller per service manual

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Page 2 of 3	

- e. Remove each prop hub cap screw
 - i. Tools required: 5/16 hex driver at least two inches long
 - ii. Hold crankshaft from turning
 - iii. Remove the 3/8-24 x 3/4 hub bolts and Belleville washer
- f. Clean Old Thread Sealant
 - i. Use a wire brush or thread chaser to remove old sealant from cap screws
 - ii. Use thread chaser or dental pick to remove old sealant from threaded holes in crank shaft. Blow out all debris with air.
- g. Inspect Propeller Hub and Cap Screw Bolts
 - i. Check for any elongation of the bolt holes in propeller hub. If elongated hub must be replaced.
 - ii. Check each 3/8-24 x 3/4 cap screw for damage to threads or any indication of wear. Replace if any damage is observed. Prop hub bolts are available from Jabiru USA Sport Aircraft, LLC
- h. Reinstall Propeller Hub
 - i. Thoroughly clean the mating surfaces at end of crankshaft and prop hub. Make sure no debris will be captured between crankshaft and hub.
 - ii. Apply a coating of Loctite 620 to threads of cap screws
 - iii. Position hub on crankshaft
 - iv. Install all six prop hub bolts and snug up with hex driver
 - v. Hold crankshaft from turning and tighten hub cap screws in a crossing pattern to 30 ft lbs. Recheck all bolts after the initial torque.
- i. Reinstall prop and spinner using new AN365-624 nylon locking nuts



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Page 3 of 3	

on prop bolts. Torque to 15 - 17 ft lbs. Make sure Belleville washers are in place.

4. Compliance:
The inspections and actions called out in section 3.0 are to be carried out at or before the next scheduled 50 inspection and oil change.

5. Notation of the inspection and action must be entered in the aircraft log with the signature of the inspector.