



An Oshkosh Corporation Company

INFORMATION NOTICE

Attention: JLG Product Owner
Subject: *Additional Information Regarding Notice IN # 112F1A*
Date: *XX April 2014*

In cooperation with Workplace Health and Safety Queensland, JLG encloses Information Notice IN# 112F1A ("Notice") that was previously distributed on 24 September 2012. JLG also encloses additional inspection procedures for the Fairfield Drive Hubs installed on JLG Boom Lift Models 450ASII, 450AJSII, 460SJ, 510AJ, 800AJ and 860SJ.

Signs of severe abusive conditions, as described in the original Notice, include but are not limited to missing "chunks" of rubber from the tread area of the tyre, distorted rims, and signs of impact to the axles or to the wheel drive hubs.

If it is suspected that the wheel drive hub(s) on a unit have been subjected to severe abusive conditions, JLG recommends completing the appropriate Wheel Drive Hub Assembly Inspection procedure (attached) or replacing the bearings, per Information Notice IN# 112F1A (attached). The inspection procedures will help to assess the current condition of the bearings contained in the drive hub assembly. The inspection procedure should be repeated whenever it is suspected that a unit has been subjected to abuse.

No warranty coverage will be provided for the completion of the Drive Hub Assembly Inspection procedures.

If you have any questions or require any further information, contact the JLG (Australia) Service Department by telephone at: (02) 65 811 111.

Enclosures:

*Wheel Drive hub Assembly Inspection for
JLG Boom Lift Model 400S series, 450A series and 510 series 400S
Wheel Drive hub Assembly Inspection for
JLG Boom Lift Model 800 S & A series
Information Notice IN# 112F1A*

Procedure: Wheel Drive Hub Assembly Inspection

**Model(s): JLG Boom Lift, Model 400S series, 450A series and 510 series
(Reference JLG P/N 2780267 & 2780268)**

Tools and Equipment Required:

1. Standard mechanics tools and dial indicator on magnetic base
2. Stands and lifting equipment capable of lifting/supporting one wheel or axle

Personnel Required:

1. Qualified JLG equipment mechanic

CAUTION: USE ALL APPLICABLE SAFETY PRECAUTIONS WHILE WORKING ON, UNDER, OR AROUND ANY MACHINERY.

IMPORTANT: REFERENCE THE SERVICE & MAINTENANCE MANUAL AND ILLUSTRATED PARTS MANUAL FOR
- SAFE AND PROPER DISASSEMBLY/ASSEMBLY PROCEDURES;
- ADDITIONAL INFORMATION.

Procedure:

1. Visually inspect the drive hub assemblies for oil leakage.
2. Inspect the drive hub assembly for end play:
 - a. With the machine secured, lift one wheel or axle off the ground, locate dial indicator with magnetic base on frame next to spindle (12:00 location) and indicator on rim (12:00 location) (inboard side of wheel). Reference the attached photograph.
 - b. Position hands on the tire at 3:00 & 9:00 locations, push straight in and then pull straight out on tire to observe any end play movement.
 - c. Anticipated movement is 0.025mm – 0.305mm (0.001 inch – 0.012 inch).
3. Inspect drive hub clearance:
 - a. With the machine secured, lift one wheel or axle off the ground, locate dial indicator with magnetic base on frame next to spindle (12:00 location) and indicator on rim (12:00 location) (inboard side of wheel). Reference the attached photographs.
 - b. Position hands on the tire at 12:00 & 6:00 locations, rock the tire back and forth (push at 6:00, pull at 12:00 then pull at 6:00, push at 12:00) to observe any tire/hub movement or wobble. Repeat procedure with hands at 3:00 & 9:00 positions.
 - c. Anticipated movement is +/- 1.52mm (+/- 0.060 inch).

4. Remove the magnetic oil drain plug and inspect for metal shavings. Ensure that any oil that drains from the drive hub is caught and properly disposed of.
5. If the measurements from Steps 2 & 3 are outside the allowable tolerances or if metal shavings are found in the gear oil of the drive hub, then rebuilding of the hub or replacement is required prior to returning the unit to service.
6. If rebuilding the wheel drive hub, please reference the Service & Maintenance Manual for rebuild instructions. For ordering a hub bearing replacement/rebuilding kit, please reference below. Reference the Illustrated Parts Manual for any additional components that may be required.

Model	Rebuilt Kit P/N	Wheel Drive Hub Bearings Used for rebuilding hub part numbers
450AJSII, 450ASII, 460SJ & 510AJ	70003796	2780267 & 2780268

Contents of the Rebuild Kit, P/N 70003796		
Quantity	Description	Part Number
1	Bearing cup/cone	7000257
1	Bearing cup/cone	7010429
1	Main lip seal	70001998
12	Cover bolts	7017067
1	O'Ring	7000230
1	O'ring	7017070
1	Snap ring	7000229
1	Thrust Washer	7000232
4	Dowel Pin	7017080

7. If all of the measurements are within the allowable tolerances and metal shavings are not discovered in the gear oil of the drive hub, then ensure there is no visual damage to the wheel assembly. If no visual damage is observed, the unit can be returned to service.

If any additional discrepancies are discovered or questions arise during completion of this procedure, please contact your local JLG Service Center or local dealer.



Procedure: Wheel Drive Hub Assembly Inspection

Model(s): JLG Boom Lift, Model 800 S & A series (reference JLG P/N 2780272)

Tools and Equipment Required:

1. Standard mechanics tools and dial indicator on magnetic base
2. Stands and lifting equipment capable of lifting/supporting one wheel or axle

Personnel Required:

1. Qualified JLG equipment mechanic

CAUTION: USE ALL APPLICABLE SAFETY PRECAUTIONS WHILE WORKING ON, UNDER, OR AROUND ANY MACHINERY.

IMPORTANT: REFERENCE THE SERVICE & MAINTENANCE MANUAL AND ILLUSTRATED PARTS MANUAL FOR
- SAFE AND PROPER DISASSEMBLY/ASSEMBLY PROCEDURES;
- ADDITIONAL INFORMATION.

Procedure:

1. Visually inspect the drive hub assemblies for oil leakage.
2. Inspect the drive hub assembly for end play:
 - a. With the machine secured, lift one wheel or axle off the ground, locate dial indicator with magnetic base on frame next to spindle (12:00 location) and indicator on rim (12:00 location) (inboard side of wheel). Reference the attached photograph.
 - b. Position hands on the tire at 3:00 & 9:00 locations, push straight in and then pull straight out on tire to observe any end play movement.
 - c. Anticipated movement is 0.025mm – 0.305mm (0.001 inch – 0.012 inch).
3. Inspect drive hub clearance:
 - a. With the machine secured, lift one wheel or axle off the ground, locate dial indicator with magnetic base on frame next to spindle (12:00 location) and indicator on rim (12:00 location) (inboard side of wheel). Reference the attached photographs.
 - b. Position hands on the tire at 12:00 & 6:00 locations; rock the tire back and forth (push at 6:00, pull at 12:00 then pull at 6:00, push at 12:00) to observe any tire/hub movement or wobble. Repeat procedure with hands at 3:00 & 9:00 positions.

- c. Anticipated movement is +/- 1.52mm (+/- 0.060 inch).
4. Remove the magnetic oil drain plug and inspect for metal shavings. Ensure that any oil that drains from the drive hub is caught and properly disposed of.
5. If the measurements from Steps 2 & 3 are outside the allowable tolerances or if metal shavings are found in the gear oil of the drive hub, then rebuilding of the hub or replacement is required prior to returning the unit to service.
6. If rebuilding the wheel drive hub, please reference the Service & Maintenance Manual for rebuild instructions. For ordering a hub bearing replacement/rebuilding kit, please reference below. Reference the Illustrated Parts Manual for any additional components that may be required.

Model	Rebuilt Kit P/N	Used for rebuilding hub part numbers
800AJ & 860SJ	70003798	2780272

Contents of the Rebuild Kit, P/N 70003798		
Quantity	Description	Part Number
1	Bearing cone	7000273
1	Bearing cup	7000272
1	Bearing cone	7000275
1	Bearing cup	7000274
1	Main lip seal	7000236
12	Cover bolts	70000289
2	O'Ring	7000224
1	Snap ring	7000240
1	Thrust Washer	7000239
2	Dowel Pin	7017047

7. If all of the measurements are within the allowable tolerances and metal shavings are not discovered in the gear oil of the drive hub, then ensure there is no visual damage to the wheel assembly. If no visual damage is observed, the unit can be returned to service.

If any additional discrepancies are discovered or questions arise during completion of this procedure, please contact your local JLG Service Center or local dealer.





An Oshkosh Corporation Company

INFORMATION NOTICE

Attention: JLG Product Owner
Subject: Wheel Drive Hub Bearings
Models Affected: JLG Boom Lift Models, 450ASII, 450AJSII, 460SJ, 510AJ, 800AJ, and 860SJ
Date: September 24, 2012

In cooperation with WorkSafe – Victoria, Australia, this notice is being issued to advise certain JLG machine owners that the potential exists for wheel drive hub bearings to fail when subjected to severe abusive conditions. Such conditions can include, but are not limited to: abusive impact loading, improper hoisting of the machine, driving into fixed objects or various impacts from other equipment.

Certain JLG Model 450ASII, 450AJSII, 460SJ, 510AJ, 800AJ, and 860SJ aerial work platforms, manufactured during the time period beginning February 2005 through February 2006, may be affected by this notice. Attached is an individual serial number list that indicates units that JLG has record of you owning.

JLG does not believe that there is a need or requirement to replace the bearings should the units be operated under normal and non-abusive use conditions.

If you feel it's necessary to replace the bearings a hub rebuild kit is available for purchase. To purchase a kit, contact your local JLG (Australia) Service Department.

Model	Rebuilt Kit P/N	Used for rebuilding hub part numbers
450AJSII, 450ASII, 460SJ & 510AJ	70003796	2780267 & 2780268
800AJ & 860SJ	70003798	2780272

No warranty coverage will be provided for the replacement of the wheel drive hub bearings.

If you have any questions or require any further information, contact the JLG (Australia) Service Department by telephone at: (02) 65 811 111.

Enclosures:
Individual Serial Number List