

05V-105
(9 Pages)

Safety Defect and Noncompliance Report Guide for Vehicles
PART 573 Defect and Noncompliance Report¹

On *March 14, 2005*, *JLG Industries, Inc.* decided that a defect which relates to motor vehicle safety exists in the motor vehicles listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

Date this report was prepared: *March 15, 2005*

Furnish the manufacturer's identification code for this recall (if applicable): _____

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.

JLG Industries, Inc.

Identify corporate official, by name and title, whom the agency should contact with respect to this recall.

Mark A. Rangos, Manager of Product Support, Product Safety and Reliability Department

Telephone Number: *717-485-6428* Fax No.: *717-485-6573*

Name and Title of Person who prepared this report:

Mark A. Rangos, Manager of Product Support, Product Safety and Reliability Department

Signed:



¹Each manufacturer must furnish a report, to the Associate Administrator for Safety Assurance, for each defect or noncompliance condition which relates to motor vehicle safety.

This guide was developed from 49 CFR Part 573, "Defect and Noncompliance Reports" and also outlines information currently requested. Any questions, please consult the complete Part 573 or contact Mr. Jon White at (202) 366-5227 or by FAX at (202) 366-7882.

I. Identify the Vehicle Models Involved in the Recall

2. Identify the Vehicles Involved in the Recall, for each make and model or applicable vehicle line (provide illustrations or photographs as necessary to describe the vehicle), provide:

Make(s): JLG **Model Years Involved:** 2004 and 2005 **Models:** EC-10, UT28, UT410, UT49, UT610, UT612, UT614, UT914, 1012, 1014, 248, 449, 4610, 7610, 7612, 7614, 7616

Shipment ~~Production~~ Dates: **Beginning:** 10/06/2004 **Ending:** 02/25/2005 *(Note change to Shipment)*

VIN Range: **Beginning:** 5DYAA141X4C000385 **Ending:** 5DYAA19215C001590 *(not sequential)*

Vehicle Type: Trailer **Bodystyle:** Cargo Trailer

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:

Date of trailer shipment and discrepant information in User's Manuals

Identify the approximate percentage of the production of all the recalled models manufactured by your company between the inclusive dates of manufacture provided above, that the recalled model population represents. For example, if the recall involved Widgets equipped with certain items of equipment from January 1, 1996 through April 1, 1997, then what was the percentage of the recalled Widgets of all Widgets manufactured during that time period.

II. Identify the Recall Population

3. Furnish the total number of vehicles recalled potentially containing the defect or noncompliance.

<u>Model</u>	<u>Year</u>	<u>Number of Vehicles Potentially Involved</u>
<i>EC-10</i>	<i>2005</i>	<i>1</i>
<i>UT28</i>	<i>2004</i>	<i>1</i>
<i>UT410</i>	<i>2004</i>	<i>1</i>
<i>UT49</i>	<i>2004</i>	<i>14</i>
<i>UT49</i>	<i>2005</i>	<i>20</i>
<i>UT610</i>	<i>2005</i>	<i>1</i>
<i>UT612</i>	<i>2004</i>	<i>4</i>
<i>UT612</i>	<i>2005</i>	<i>105</i>
<i>UT614</i>	<i>2004</i>	<i>1</i>
<i>UT914</i>	<i>2005</i>	<i>5</i>
<i>1012</i>	<i>2005</i>	<i>6</i>
<i>1014</i>	<i>2005</i>	<i>71</i>
<i>248</i>	<i>2004</i>	<i>5</i>
<i>449</i>	<i>2005</i>	<i>20</i>
<i>4610</i>	<i>2005</i>	<i>30</i>
<i>7610</i>	<i>2005</i>	<i>15</i>
<i>7612</i>	<i>2004</i>	<i>14</i>
<i>7612</i>	<i>2005</i>	<i>7</i>
<i>7614</i>	<i>2004</i>	<i>10</i>
<i>7616</i>	<i>2004</i>	<i>4</i>
<i>Service Parts Sales</i>	<i>2004</i>	<i>19</i>

Total Number of Vehicles Shipped Potentially Affected by the Recall: **335**
Total Number of User's Manual Shipped Through Service Parts Sales: **19**

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: 100%

Identify and describe how the recall population was determined--in particular how the recalled models were selected and the basis for the beginning and final dates of manufacture of the recalled vehicles:

The discrepancy in the User's Manual was identified to correspond with a revision to the manual on October 6, 2004. These discrepant manuals would have been sent to customers with either a new trailer shipment or through the purchase of a new manual through our Service Parts Department.

- Trailers Shipped - The User's Manual is installed on each trailer immediately before shipment to the purchase.. Based upon the date of the revision, all units shipped from the revision date (10/6/04) up to the date the manual was corrected would have been supplied with a manual having the discrepant information.*
 - Service Parts Sales - User's Manuals sold through Service Parts Sales after 10/6/04 may have been the 10/6/04 revision. All parts sold during this period will be addressed by the campaign.*
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The information for units shipped and parts sold during this period was obtained from our corporate records containing production and shipment data.

III. Describe the Defect or Noncompliance

5. Describe the defect or noncompliance. The description should address the nature and physical location of the defect or noncompliance. Illustrations should be provided as appropriate.

A revision was made to the User's Manual in October, 2004 that contained a discrepancy pertaining to the torque specification for lug nuts. See attached excerpts from the User's Manual.

Describe the cause(s) of the defect or noncompliance condition.

Information is incorrect with regard to the process for tightening lug nuts during wheel installation.

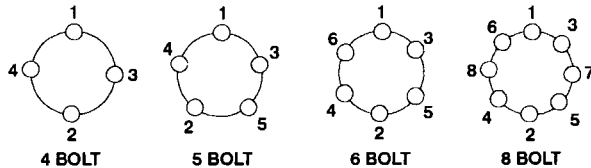
4.11 WHEELS

Mounting - It is extremely important to apply and maintain proper wheel mounting torque on the trailer axle. Torque wrenches are the best method to assure the proper amount of torque is being applied to a nut.

NOTE: *Wheel nuts must be installed and maintained at the proper torque to prevent loose wheels, broken studs, and possible dangerous separation of wheel from the axle. Be sure to use only the nuts matched to the cone angle of the wheel.*

Tighten the lug nuts to the proper torque for the axle size on your trailer, to prevent wheels from coming loose. Use a torque wrench to tighten the fasteners. If you do not have a torque wrench, tighten the fasteners with a lug wrench as much as you can, then have a service garage or dealer tighten the lug nuts to the proper torque. Over-tightening will result in breaking the studs or permanently deforming the mounting stud holes in the wheels. Be sure to use only the nuts matched to the cone angle of the wheel. The proper procedure for attaching wheels is as follows:

1. Start all nuts by hand to prevent cross threading.
2. Tighten nuts in the following sequence:



3. The tightening of the nuts should be done in stages. Following the recommended sequence, tighten nuts per wheel torque chart.

Table 4-2. Wheel Torque Chart

TORQUE SEQUENCE (ft lbs)			
WHEEL SIZE	After 10 miles	After 25 miles	After 50 miles
12 inch	20-25	35-40	50-75
13 inch	20-25	35-40	50-75
14.5 inch	20-25	50-60	90-120
15 inch	20-25	50-60	90-120
16 inch	20-25	50-60	90-120

4. Wheel nuts should be torqued before first road use and after each wheel removal. Check and torque after the first 10 miles, 25 miles, and again at 50 miles. Check periodically thereafter.

Lug Nuts (Bolts)

Lug nuts are prone to loosen right after a wheel is mounted to a hub. When driving on a remounted wheel, check to see if the lug nuts are tight after the first 10, 25 and 50 miles of driving and before each tow thereafter.

⚠ WARNING

CHECK LUG NUTS FOR TIGHTNESS ON A NEW TRAILER OR WHEN WHEEL(S) HAVE BEEN REMOUNTED AFTER THE FIRST 10, 25 AND 50 MILES OF DRIVING.

METAL CREEP BETWEEN THE WHEEL RIM AND LUG NUTS WILL RESULT IN A WHEEL COMING OFF, LEADING TO DEATH OR SERIOUS INJURY. TIGHTEN LUG NUTS BEFORE EACH TOW.

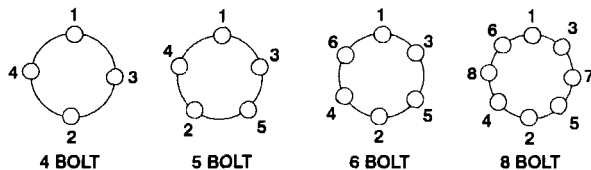
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Table 4-2. Wheel Torque Chart

TORQUE SEQUENCE (ft-lbs)			
WHEEL SIZE	1st Stage	2nd Stage	3rd Stage
12 inch	20-25	35-40	50-75
13 inch	20-25	35-40	50-75
14.5 inch	20-25	50-60	90-120
15 inch	20-25	50-60	90-120
16 inch	20-25	50-60	90-120

4. Wheel nuts should be torqued before first road use and after each wheel removal. Check and torque after the first 10 miles, 25 miles, and again at 50 miles. Check periodically thereafter.

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CHECK LUG NUTS FOR TIGHTNESS ON A NEW TRAILER OR WHEN WHEEL(S) HAVE BEEN REMOUNTED AFTER THE FIRST 10, 25 AND 50 MILES OF DRIVING.

METAL CREEP BETWEEN THE WHEEL RIM AND LUG NUTS WILL RESULT IN A WHEEL COMING OFF, LEADING TO DEATH OR SERIOUS INJURY. TIGHTEN LUG NUTS BEFORE EACH TOW.

Describe the consequence(s) of the defect or noncompliance condition.

In the event that the lug nuts are torqued in accordance with the incorrect information contained in the manual, the lug nuts will not be torqued properly prior to towing of the trailer. Improperly torqued lug nuts may lead to broken studs and wheel detachment.

Identify any warning which can (a) precede or (b) occur.

Loose lug nuts on the same wheel will cause deformation of the wheel lug holes which will lead to vibration and noise from the wheel during towing.

If the defect or noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address.

N/A

Identify the name and title of the chief executive officer or knowledgeable representative of the supplier:

N/A

IV. Provide the Chronology in Determining the Defect/Noncompliance

If the recall is for a defect, complete item 6, otherwise item 7.

6. With respect to a defect, furnish a chronological summary (including dates) of all the principle events that were the basis for the determination of the defect. The summary should include, but not be limited to, the number of reports, accidents, injuries, fatalities, and warranty claims.

Upon review of the User's Manual, a discrepancy in the lug nut torque was discovered. Once this discrepancy was discovered, the Manual was corrected. The discrepancy was further evaluated by JLG Industries, Inc. for the consequences of the discrepant information. JLG Industries, Inc. is not aware of any reports of wheel detachment that have resulted from this discrepancy in the User's Manual.

7. With respect to a noncompliance, identify and provide the test results or other data (in chronological order and including dates) on which the noncompliance was determined.

N/A

V. Identify the Remedy

8. Furnish a description of the manufacturer's remedy for the defect or noncompliance. Clearly describe the differences between the recall condition and the remedy.

JLG Industries, Inc. will send a new User's Manual along with the Recall Notice to each affected entity via registered mail, return receipt. JLG will confirm that each entity has received the manual by verification of each return receipt.. If any updates are received, using an Information Update Form, JLG will issue the Recall Notice to the new affected entity and verify their receipt via a return receipt.

Clearly describe the distinguishing characteristics of the remedy component/assembly versus the recalled component/assembly.

Section of the manual containing the discrepancy was corrected and re-issued.

Identify and describe how and when the recall condition was corrected in production. If the production remedy was identical to the recall remedy in the field, so state. If the product was discontinued, so state.

For production units, the User Manual was corrected on February 25, 2005. For service parts inventory, discrepant manuals were not distributed after March 8, 2005.

VI. Identify the Recall Schedule

Furnish a schedule or agenda (with specific dates) for notification to other manufacturers, dealers/retailers, and purchasers. Please, identify any foreseeable problems with implementing the recall.

- *Draft of Recall Notice submitted to NHTSA for review and approval – By March 23, 2005.*
 - *Mailing of Recall Notice to affected entities – Within 10 business days of NHTSA approval of Recall Notice*
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VII. Furnish Recall Communications

9. Furnish a final copy of all notices, bulletins, and other communications that relate directly to the defect or noncompliance and which are sent to more than one manufacturer, distributor, or purchaser. This includes all communications (including both original and follow-up) concerning this recall from the time your company determines the defect or noncompliance condition on, not just the initial notification.

A DRAFT copy of the notification documents should be submitted to this office by Fax (202-366-7882) for review prior to mailing.

Note that these documents are to be submitted separately from those provided in accordance with Part 573.8 requirements.