SAFETY NOTICE

110008

Date: November 17, 2011

Models GS-2669
GS-3369
GS-4069

Serial Numbers Affected: GS6911-101 to GS6912-412

Subject: Machine Instability

Allowable Hours: 1 hour

Issue:

Genie has determined that some of the machines in the serial range listed above may have been manufactured incorrectly in the following ways:

- The hydraulic circuit in the oscillation system may have been assembled incorrectly causing the oscillating axles to function improperly. **Improperly functioning oscillating axles can result in loss of machine stability.**
- Axle pivot pins that are out of specifications may have been installed, allowing the axles to be partially supported. **Axles that are partially supported can result in loss of machine stability.**

Action Required:

This notice requires the removal of all affected machines from service until the following actions are completed:

- Rewiring and replumbing of the oscillate system
- Inspection of the axle pivot pins

1. Locate all machines within the model and serial numbers given above.
2. Inspect the axle pivot pins and oscillate system using the enclosed instructions.
3. Fill out and sign the Completion Form included in the Inspection and Repair instructions and return to Genie. This will verify that this safety notice has been completed on your machine.

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Warranty:

The labor and travel miles required to perform this inspection and installation are covered under the provisions of our warranty agreement. Labor for each affected machine will be paid at a rate of $60.00 U.S. per hour and travel at a rate of $.50 U.S. per mile, converted into the currency of the appropriate country at the time of payment.

If you are the owner of an affected machine and are not an authorized Genie dealer, please contact your nearest Genie dealer for assistance with this safety notice. Only Genie Authorized Dealers will be reimbursed for labor or any other costs associated with this bulletin under the provisions of our standard warranty terms and conditions.

Genie and ANSI requires that the seller of a Genie machine report to Genie the model and serial number of each machine sold, as well as the name, address, and telephone number of the new owner, within 60 days of the sale. OSHA and ANSI also require that the manufacturer's safety notices be completed. It is your responsibility to communicate this important information to all machine owners and applicable branches. If you require additional copies of this safety notice or have any questions, please contact Genie's service department at:

United States	800-536-1800
Canada	425-881-1800
Europe	+31 653 221 908
Australia	61 733751660
All other locations	001-425-881-1800

Enclosures:

- Machine List Report
- New Owner Update Form
- Inspection and Repair Instructions

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Safety Notice 110008

New Owner Update Form

(for updating machine owner information only)

Local Norms and Regulations require that the seller of a Genie machine report to Genie the model and serial number of each machine sold, as well as the name, address, and telephone number of the new owner, within 60 days of the sale.

- If you have sold a machine, list the complete model and serial number (example: GS6911-136 or GS6912-364) and the name, address and phone number of the new owner.

New Owner Information:

	Machine 1	Machine 2	Machine 3
Model*			
Serial Number*			
Owner Name*			
Address 1*			
Address 2			
City/State/Zip*			
Phone Number*			
Contact Person			

* *Required fields.*

Seller Information:

Date: _____
Company Name: _____
Account #: _____
Address: _____
(street) _____
(city) _____
State, zip code _____
Phone #: _____

- List any machines that could not be inspected or repaired because of the following**:**

Model & Serial Number	Scrapped	Exported	Stolen	Others (explain)

Fax to:

United States	877-738-7530
Canada	425-498-7530
All other locations	001-425-498-7530

Genie®
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Inspection and Repair Instructions

GS-69 RT Models

GS-2669
GS-3369
GS-4069

Part No. 237339
Rev A

Introduction

REV A

Observe and Obey:

- ☑ This procedure shall be completed by a person trained and qualified on the repair of this machine.
- ☑ Immediately tag and remove from service a damaged or malfunctioning machine.
- ☑ Repair any machine damage or malfunction before operating the machine.

Before Starting Installation:

- ☑ Read, understand and obey the safety rules and operating instructions in the appropriate operator's manual.
- ☑ Be sure that all necessary tools and parts are available and ready for use.
- ☑ Read this procedure completely and adhere to the instructions. Attempting shortcuts may produce hazardous conditions.
- ⊙ Indicates that a specific result is expected after performing a series of steps.
- ⊠ Indicates that an incorrect result has occurred after performing a series of steps.

Note: These installation instructions only apply to the Genie models listed below, as required by Safety Notice 110008.

- **GS-2669**
- **GS-3369**
- **GS-4069**

Tools required:

7/16 socket

9/16 socket

Ratchet

Small flathead screwdriver or pick

9/16 wrench

11/16 wrench

Volt meter

Measuring tape or ruler

Hydraulic caps and plugs

REV A

Inspection Check List

Instructions

- Record the model and serial number.
- Place a "N" (No) in the appropriate box if repairs were **not** required.
- Place a "Y" (Yes) in the appropriate box if repairs **were** required.

Model __________

Serial number __________

Ground Control Box	☐
Axle Limit Switches	☐
Oscillate Hose Routing	☐
Axle Pins	☐

Model __________

Serial number __________

Ground Control Box	☐
Axle Limit Switches	☐
Oscillate Hose Routing	☐
Axle Pins	☐

Model __________

Serial number __________

Ground Control Box	☐
Axle Limit Switches	☐
Oscillate Hose Routing	☐
Axle Pins	☐

Model __________

Serial number __________

Ground Control Box	☐
Axle Limit Switches	☐
Oscillate Hose Routing	☐
Axle Pins	☐

Model __________

Serial number __________

Ground Control Box	☐
Axle Limit Switches	☐
Oscillate Hose Routing	☐
Axle Pins	☐

Procedure

REV A

Note: Perform this procedure on a firm, level surface with the machine in the stowed position. At the ground control box, turn the key switch to the off position and push in the red Emergency Stop button.

Ground Control Box

1 On the ground controls side of the machine, open the compartment door.

2 Remove the retaining fastener that secures the ground control panel and set aside. Open the control box. Refer to illustration 1, item A.

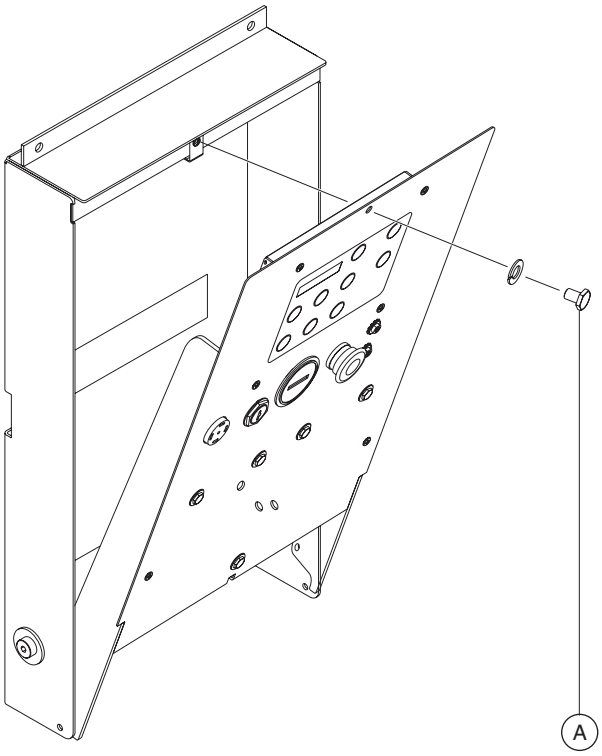

illustration 1

3 Locate the ECU (U5) in the control box. Trace the white wire from connector J2 pin C8 to the terminal strip. Refer to illustration 2.

4 Trace the white/black wire from connector J2 pin C9 to the terminal strip. Refer to illustration 2.

⊙ If the white wire is located in terminal strip 11 and the white/black is in 6. Continue to **Axle Limit Switches**.

⊠ The wires are in the incorrect location. Continue with step 5.

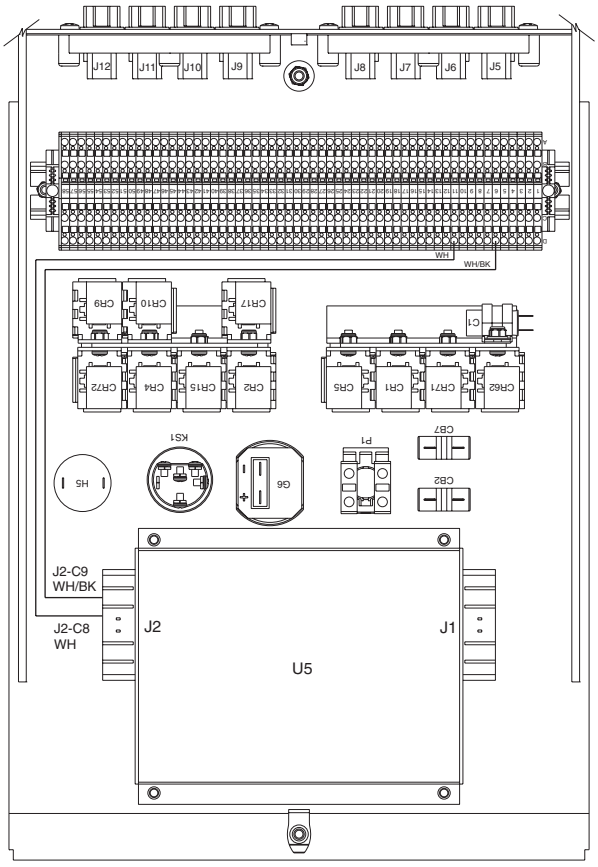

illustration 2

5 Correct the location of the 2 wires in the terminal strip. Continue to **Axle Limit Switches**.

Note: Do not close the control box at this time.

Axle Limit Switches

1 At the non-steer end of the machine, locate and remove both axle covers. Set the covers and retaining fasteners aside. Refer to illustration 3 item A.

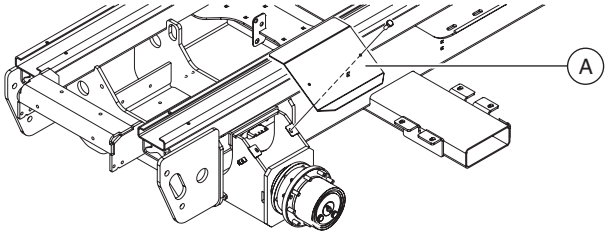

illustration 3

2 At the ground controls side of the machine locate the 2 oscillate limit switch harnesses located in the non-steer axle. Refer to illustration 4, item A.

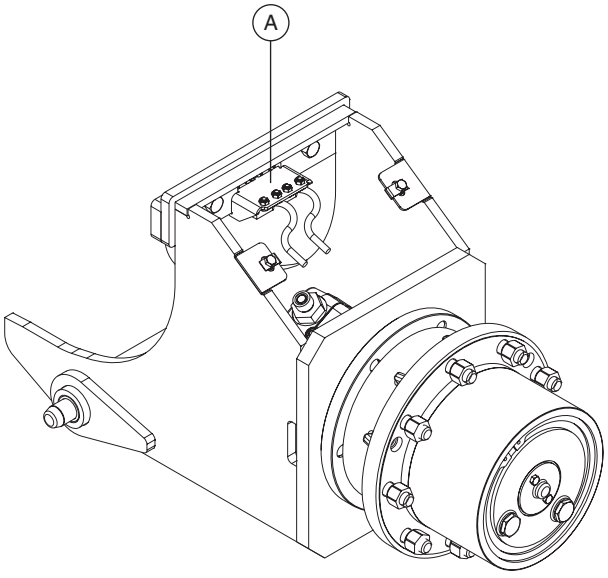

illustration 4

3 Locate the 3 pin connector harness. Using a volt meter, check continuity from the black wire in pin C to J5 pin 12 at the ground control box. Refer to illustration 2 for the J5 location.

⊙ There is good continuity. Continue to step 5.

⊠ There is no continuity. Continue with step 4.

4 Swap the 3 pin harness with the one on the engine side of the machine in the non-steer axle and repeat step 3.

Note: If there is still no continuity after repeating step 3 check the meter lead connections and meter setting.

5 Locate the 4 pin connector harness. Using a volt meter, check continuity from the white wire in pin 4 to J12 pin 6 at the ground control box. Refer to illustration 2 for the J12 location.

⊙ There is good continuity. Continue to step 7.

⊠ There is no continuity. Continue with step 6.

6 Swap the 4 pin harness with the one on the engine side of the machine in the non-steer axle and repeat step 5.

Note: If there is still no continuity after repeating step 5 check the meter lead connections and meter setting.

7 Install the axle covers and securely tighten the retaining fasteners. Do not over tighten.

8 Close the ground control box. Continue to **Oscillate Hose Routing**.

PROCEDURE REV A

Oscillate Hose Routing

1 Turn the key switch to platform controls and pull out the red Emergency stop buttons to the on position at both the ground and platform controls. Start the engine.

2 Raise the platform to approximately 10 ft / 3 m.

3 Lift the safety arm and move it to the center of the linkage and rotate to a vertical position.

4 Lower the platform onto the safety arm.

5 Turn the machine off.

6 Locate and remove the chassis hose cover and set aside. Refer to illustration 5, item A.

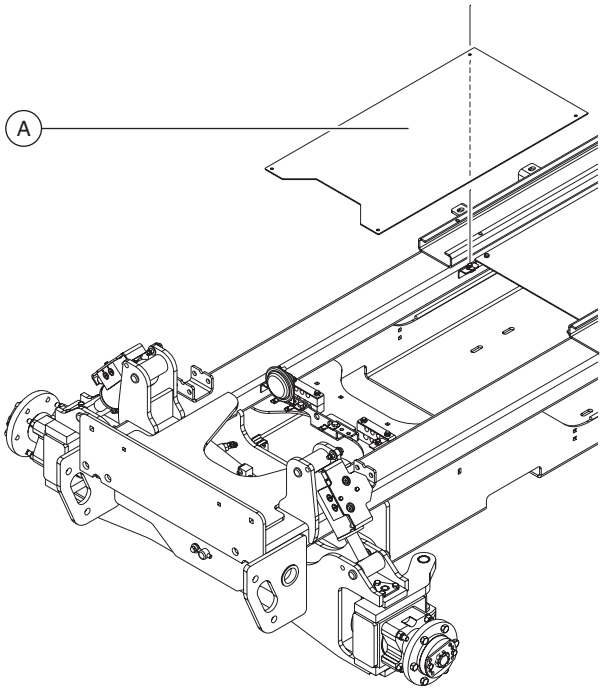

illustration 5

7 Open the ground controls compartment and locate the function manifold. Refer to illustration 6, item A.

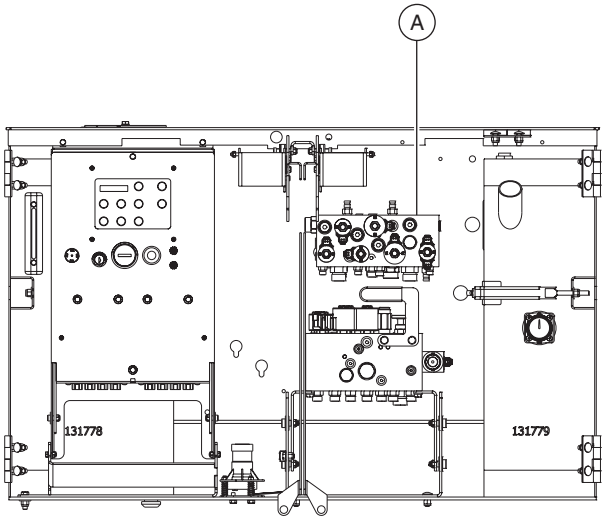

illustration 6

8 At the steer end of the machine locate the 2 oscillate cylinders. Refer to illustration 7, item A.

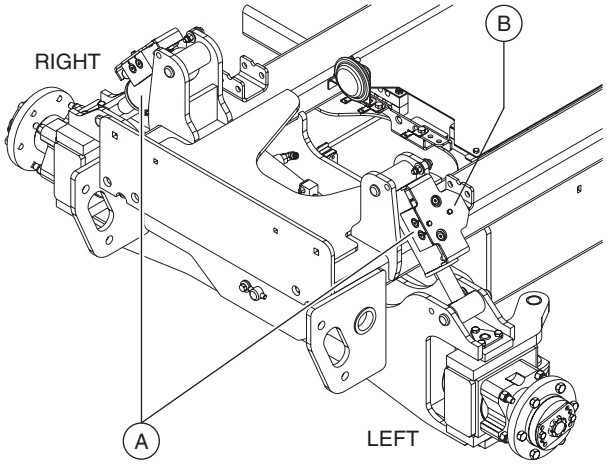

illustration 7

9 Using illustration 8 as a guide, verify that the oscillate hoses are routed correctly from the function manifold to the oscillate cylinders.

⊙ The hoses are routed correctly. Continue to **Axle Pins**.

⊠ The hoses are not routed correctly. Continue with step 10.

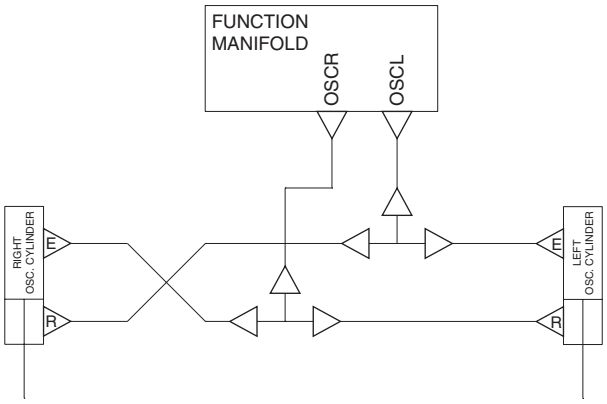

illustration 8

10 Remove the cylinder cover from the oscillate cylinder and correct the hose routing. Refer to illustration 7, item B.

⚠WARNING Bodily injury hazard. Spraying hydraulic oil can penetrate and burn skin. Loosen hydraulic connections very slowly to allow the oil pressure to dissipate gradually. Do not allow oil to squirt or spray.

11 Install the cylinder cover. Continue to **Axle Pins**.

Note: Do not install the chassis hose cover or lower the platform at this time.

Axle Pins

Non-steer end:

1 At the non-steer end of the machine locate the 2 axle pivot pins. Refer to illustration 9, item A.

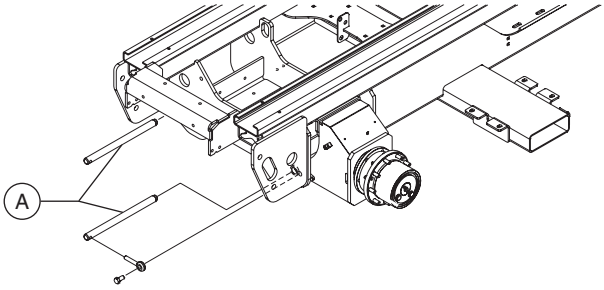

illustration 9

2 Measure the distance from the chassis bulkhead to the tapered end of the pivot pin towards the center of the machine. Refer to illustration 10.

⊙ It measures 0.250 inches / 6.35 mm or greater. Continue with step 3.

⊠ The pivot pin is less than specified. Tag and remove the machine from service. Contact the Genie parts department for a replacement pin kit. You must reference **Safety Notice 110008** when ordering. Continue to the **Steer end** pin inspection.

Note: If the pivot pins need to be replaced **do not** continue to section **Test the Oscillate Axle** until the pins have been replaced.

PROCEDURE REV A

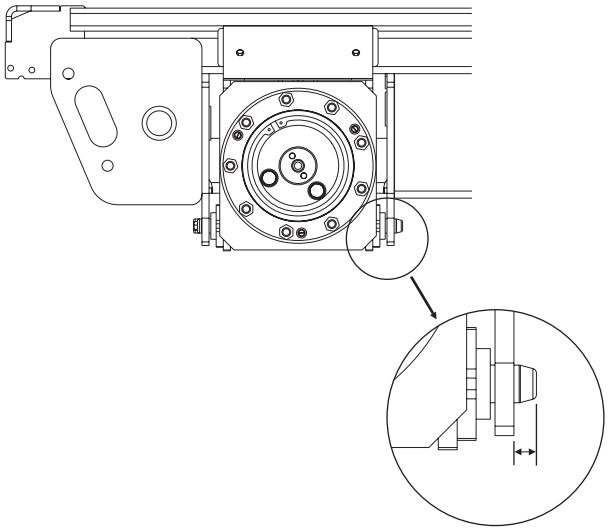

illustration 10

Steer end:

3 At the steer end of the machine locate the axle pivot pin. Refer to illustration 11, item A.

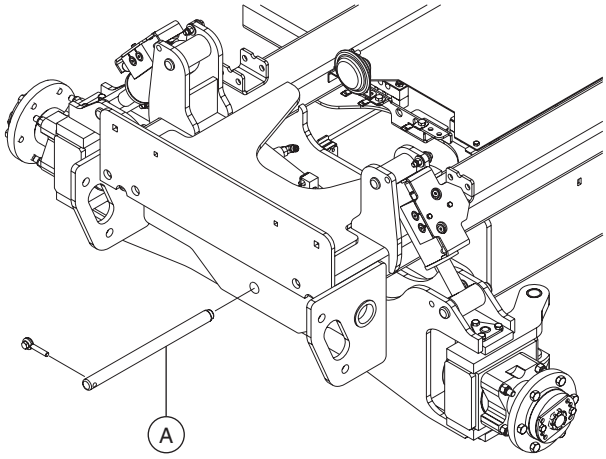

illustration 11

4 Measure the distance from the chassis bulkhead to the tapered end of the pivot pin towards the center of the machine. Refer to illustration 12.

⊙ It measures 0.250 inches / 6.35 mm or greater. Continue with step 5.

⊠ The pivot pin is less than specified. Tag and remove the machine from service. Contact the Genie parts department for a replacement pin kit. You must reference **Safety Notice 110008** when ordering.

Note: If the pivot pin needs to be replaced **do not** continue to section **Test the Oscillate Axle** until the pin has been replaced. Do not install the chassis hose cover at this time. It will need to be removed during pin replacement. Lower the platform to the stowed position.

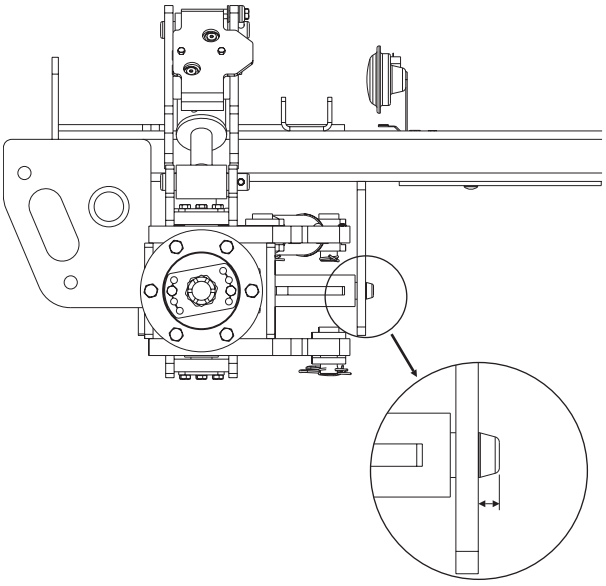

illustration 12

5 Install the chassis hose cover removed in step 6 of the **Oscillate Hose Routing** section.

6 Turn the key switch to platform controls and pull out the red Emergency stop buttons to the on position at both the ground and platform controls. Start the engine.

7 Raise the platform to approximately 10 ft / 3 m.

8 Return the safety arm to the cradle.

9 Lower the platform to the stowed position. Continue to **Test the Oscillate Axle**.

Test the Oscillate Axle

Note: Genie specifications require that this procedure be performed daily or every 8 hours, whichever comes first.

Proper axle oscillation is essential to safe machine operation. If the axle oscillation system is not operating correctly, the stability of the machine is compromised and it may tip over.

1 Start the engine from the platform controls. Select the high idle function.

Test the Oscillate System (stowed position):

2 Drive the left front wheel up onto a 4 in / 10 cm high ramp.

⊙ Result: The three remaining tires should stay in firm contact with the ground.

3 Drive the right steer tire up onto a 4 in / 10 cm high ramp.

⊙ Result: The three remaining tires should stay in firm contact with the ground.

⊠ If the oscillate system does not operate as stated, do not proceed. Re-check the wiring, limit switches and hydraulic hoses.

Test the Oscillate System (elevated position):

4 Push and hold the lift function enable button and raise the platform between 7 ft / 213 cm to 9 ft / 274 cm.

PROCEDURE REV A

5 Drive the left front wheel up onto a 4 in / 10 cm high ramp.

⊙ Result: The three remaining tires should stay in firm contact with the ground.

6 Drive the right steer tire up onto a 4 in / 10 cm high ramp.

⊙ Result: The three remaining tires should stay in firm contact with the ground.

7 Perform function test. Refer to the Operator's Manual on your machine.

8 Return the machine to service.

9 Important: You must complete and submit the attached completion form to Genie's Warranty department to update machine serial number records. Your warranty claims will not be processed without this completion form. This will serve as verification that you have completed Safety Notice 110008.

If you have any further questions regarding these instructions or need assistance, please contact the Genie Service Department at one of the following telephone numbers:

United States:		800-536-1800
Canada:		425-881-1800
Europe:	UK	0044 1476 584 333
	France	0033 237 260 986
	Germany	49 4221 491 821
	Iberica	0034 935 725 090
	Italy	0039 075 941 8171
	Scandinavia	0046 3157 5154
	Other locations	0031 653 221 908
Middle East:		0097 143 391 800 or 0097 150 459 7937
Australia:		61 7 3456 4444
All other locations		001-425-881-1800

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Safety Notice 110008

Completion Form

Your signature on this form will verify that you have performed the indicated modifications on the serial numbers listed below. List the complete serial number of the machine (ex. GS6911-136 or GS6912-364). Please check all that apply.

Model: _____
Serial Number:_____
Oscillate System:
- ☐ rewired the ground control box
- ☐ rewired the limit switches
- ☐ rerouted oscillate hoses

Axle Pivot Pins
- ☐ replaced 1 non-steer end pin
- ☐ replaced 2 non-steer end pins
- ☐ replaced steer-end pin

Model: _____
Serial Number: _____
Oscillate System:
- ☐ rewired ground control box
- ☐ rewired the limit switches
- ☐ rerouted oscillate hoses

Axle Pivot Pins
- ☐ replaced 1 non-steer end pin
- ☐ replaced 2 non-steer end pins
- ☐ replaced steer-end pin

Model: _____
Serial Number:_____
Oscillate System:
- ☐ rewired the ground control box
- ☐ rewired the limit switches
- ☐ rerouted oscillate hoses

Axle Pivot Pins
- ☐ replaced 1 non-steer end pin
- ☐ replaced 2 non-steer end pins
- ☐ replaced steer-end pin

Model: _____
Serial Number: _____
Oscillate System:
- ☐ rewired ground control box
- ☐ rewired the limit switches
- ☐ rerouted oscillate hoses

Axle Pivot Pins
- ☐ replaced 1 non-steer end pin
- ☐ replaced 2 non-steer end pins
- ☐ replaced steer-end pin

Date: _____
Company Name: _____
Account #: _____
Address: _____
(street) _____
(city) _____
State, zip code _____
Phone #: _____

Fax to:		
	United States	877-738-7530
	Canada	425-498-7530
	All other locations	001-425-498-7530

_____
Signature (Service Manager)

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Safety Notice 110008

Completion Form for Inspection

Your signature on this form will verify that you have performed the inspection per Safety Notice 110008 and verified that the machines listed below do not need any modification.

Please list the complete model and serial (ex. GS6911-136 or GS6912-364)

Model & Serial Number	Model & Serial Number

Owner Information:

Date: _____
Company Name: _____
Account #: _____
Address: _____
(street) _____
(city) _____
State, zip code _____
Phone #: _____

_____ _____ _____

Service Manager (Print) **Signature** **Date**

Fax to:

United States	877-738-7530
Canada	425-498-7530
All other locations	001-425-498-7530