



An Oshkosh Corporation Company

Operation and Safety Manual

Original Instructions - Keep this manual with the machine at all times.

Boom Lift Models

600A

600AJ

S/N 0300177361

to Present



3121615
January 5, 2015

NOTE: *This manual also applies to a machine with the following
Serial Number: 0300176207.*

FOREWORD

This manual is a very important tool! Keep it with the machine at all times.

The purpose of this manual is to provide owners, users, operators, lessors, and lessees with the precautions and operating procedures essential for the safe and proper machine operation for its intended purpose.

Due to continuous product improvements, JLG Industries, Inc. reserves the right to make specification changes without prior notification. Contact JLG Industries, Inc. for updated information.

SAFETY ALERT SYMBOLS AND SAFETY SIGNAL WORDS



This is the Safety Alert Symbol. It is used to alert you to the potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death

⚠ DANGER

INDICATES AN IMMINENTLY HAZARDOUS SITUATION. IF NOT AVOIDED, WILL RESULT IN SERIOUS INJURY OR DEATH. THIS DECAL WILL HAVE A RED BACKGROUND.

⚠ WARNING

INDICATES A POTENTIALLY HAZARDOUS SITUATION. IF NOT AVOIDED, COULD RESULT IN SERIOUS INJURY OR DEATH. THIS DECAL WILL HAVE AN ORANGE BACKGROUND.

⚠ CAUTION

INDICATES A POTENTIALLY HAZARDOUS SITUATION. IF NOT AVOIDED, MAY RESULT IN MINOR OR MODERATE INJURY. IT MAY ALSO ALERT AGAINST UNSAFE PRACTICES. THIS DECAL WILL HAVE A YELLOW BACKGROUND.

NOTICE

INDICATES INFORMATION OR A COMPANY POLICY THAT RELATES DIRECTLY OR INDIRECTLY TO THE SAFETY OF PERSONNEL OR PROTECTION OF PROPERTY.

⚠ WARNING

THIS PRODUCT MUST COMPLY WITH ALL SAFETY RELATED BULLETINS. CONTACT JLG INDUSTRIES, INC. OR THE LOCAL AUTHORIZED JLG REPRESENTATIVE FOR INFORMATION REGARDING SAFETY-RELATED BULLETINS WHICH MAY HAVE BEEN ISSUED FOR THIS PRODUCT.

NOTICE

JLG INDUSTRIES, INC. SENDS SAFETY RELATED BULLETINS TO THE OWNER OF RECORD OF THIS MACHINE. CONTACT JLG INDUSTRIES, INC. TO ENSURE THAT THE CURRENT OWNER RECORDS ARE UPDATED AND ACCURATE.

NOTICE

JLG INDUSTRIES, INC. MUST BE NOTIFIED IMMEDIATELY IN ALL INSTANCES WHERE JLG PRODUCTS HAVE BEEN INVOLVED IN AN ACCIDENT INVOLVING BODILY INJURY OR DEATH OF PERSONNEL OR WHEN SUBSTANTIAL DAMAGE HAS OCCURRED TO PERSONAL PROPERTY OR THE JLG PRODUCT.

For:

- Accident Reporting
- Product Safety Publications
- Current Owner Updates
- Questions Regarding Product Safety
- Standards and Regulations Compliance Information
- Questions Regarding Special Product Applications
- Questions Regarding Product Modifications

Contact:

Product Safety and Reliability Department
JLG Industries, Inc.
13224 Fountainhead Plaza
Hagerstown, MD 21742
USA

or Your Local JLG Office
(See addresses on inside of manual cover)

In USA:

Toll Free: 877-JLG-SAFE (877-554-7233)

Outside USA:

Phone: 240-420-2661
Fax: 301-745-3713
E-mail: ProductSafety@JLG.com

REVISION LOG

Original Issue	- November 6, 2013
Revised	- January 1, 2014
Revised	- July 4, 2014
Revised	- October 1, 2014
Revised	- January 5, 2015

SECTION - PARAGRAPH, SUBJECT	PAGE
SECTION - 1 - SAFETY PRECAUTIONS	
1.1 GENERAL	1-1
1.2 PRE-OPERATION	1-1
Operator Training and Knowledge	1-1
Workplace Inspection	1-2
Machine Inspection	1-3
1.3 OPERATION	1-3
General	1-3
Trip and Fall Hazards	1-4
Electrocution Hazards	1-5
Tipping Hazards	1-7
Crushing and Collision Hazards	1-10
1.4 TOWING, LIFTING, AND HAULING	1-11
1.5 MAINTENANCE	1-11
Maintenance Hazards	1-11
Battery Hazards	1-13
SECTION - 2 - USER RESPONSIBILITIES, MACHINE PREPARATION, AND INSPECTION	
2.1 PERSONNEL TRAINING	2-1
Operator Training	2-1
Training Supervision	2-1
Operator Responsibility	2-1
2.2 PREPARATION, INSPECTION, AND MAINTENANCE	2-2
Pre-Start Inspection	2-4
Function Check	2-5

SECTION - PARAGRAPH, SUBJECT	PAGE
SkyGuard Function Test	2-6
2.3 LIMIT SWITCH FUNCTIONAL CHECK	2-7
General	2-15
SECTION - 3 - MACHINE CONTROLS AND INDICATORS	
3.1 GENERAL	3-1
3.2 CONTROLS AND INDICATORS	3-1
Ground Control Station	3-2
Ground Control Indicator Panel	3-10
Platform Station	3-12
Platform Control Indicator Panel	3-18
SECTION - 4 - MACHINE OPERATION	
4.1 DESCRIPTION	4-1
4.2 OPERATING CHARACTERISTICS AND LIMITATIONS	4-1
Capacities	4-1
Stability	4-2
4.3 ENGINE OPERATION	4-4
Starting Procedure	4-4
Shutdown Procedure	4-5
Fuel Reserve / Shut-Off System	4-5
4.4 TRAVELING (DRIVING)	4-6
Traveling Forward and Reverse	4-8
4.5 STEERING	4-9
4.6 PLATFORM	4-9
Platform Level Adjustment	4-9

TABLE OF CONTENTS

SECTION - PARAGRAPH, SUBJECT	PAGE	SECTION - PARAGRAPH, SUBJECT	PAGE
Platform Rotation	4-9	4.17 TIE DOWN AND LIFTING.....	4-22
4.7 BOOM.....	4-10	SECTION - 5 - EMERGENCY PROCEDURES	
Swinging the Boom	4-10	5.1 GENERAL	5-1
Raising and Lowering the Tower Boom.....	4-11	5.2 INCIDENT NOTIFICATION.....	5-1
Raising and Lowering the Main Boom	4-12	5.3 EMERGENCY OPERATION	5-1
Telescoping the Main Boom	4-12	Operator Unable to Control Machine.....	5-1
4.8 RE-SYNCHRONIZE THE LOWER LIFT CYLINDER	4-12	Platform or Boom Caught Overhead	5-2
Level Override Valve.....	4-12	5.4 EMERGENCY TOWING PROCEDURES.....	5-2
4.9 MACHINE SAFETY SYSTEM OVERRIDE (MSSO)		5.5 MACHINE SAFETY SYSTEM OVERRIDE (MSSO)	
(CE ONLY).....	4-15	(CE ONLY).....	5-2
4.10 SKYGUARD OPERATION	4-15	SECTION - 6 - GENERAL SPECIFICATIONS & OPERATOR	
4.11 SHUT DOWN AND PARK.....	4-16	MAINTENANCE	
4.12 OSCILLATING AXLE LOCKOUT TEST (IF EQUIPPED) ...	4-16	6.1 INTRODUCTION.....	6-1
4.13 STEER/TOW SELECTOR (IF EQUIPPED).....	4-16	6.2 OPERATING SPECIFICATIONS.....	6-1
4.14 TOWING (IF EQUIPPED)	4-17	Dimensional Data	6-2
4.15 AUXILIARY POWER.....	4-20	Capacities.....	6-3
Activating from the Platform Control Station	4-20	Engine Data.....	6-3
Activating from the Ground Control Station	4-20	Tires	6-5
4.16 DUAL FUEL SYSTEM (GAS ENGINE ONLY)	4-21	Hydraulic Oil	6-5
Changing From Gasoline to LP Gas.....	4-21	Critical Stability Weights.....	6-9
Changing From LP Gas to Gasoline.....	4-21	Serial Number Locations.....	6-10

SECTION - PARAGRAPH, SUBJECT	PAGE	SECTION - PARAGRAPH, SUBJECT	PAGE
6.3 OPERATOR MAINTENANCE	6-18		
6.4 TIRES & WHEELS	6-27		
Tire Inflation	6-27		
Tire Damage	6-27		
Tire Replacement	6-28		
Wheel Replacement	6-28		
Wheel Installation	6-28		
6.5 OSCILLATING AXLE LOCKOUT TEST (IF EQUIPPED)	6-30		
6.6 PROPANE FUEL FILTER REPLACEMENT	6-31		
Removal	6-31		
Installation	6-32		
6.7 PROPANE FUEL SYSTEM PRESSURE RELIEF	6-32		
6.8 SUPPLEMENTAL INFORMATION	6-33		

SECTION - 7 - INSPECTION AND REPAIR LOG

TABLE OF CONTENTS

SECTION - PARAGRAPH, SUBJECT

PAGE

SECTION - PARAGRAPH, SUBJECT

PAGE

This Page Left Blank Intentionally.