

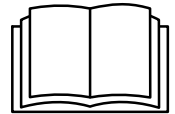


An Oshkosh Corporation Company

Operation and Safety Manual

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

Boom Lift Models 1250AJP



ANSI

CE



3121170

January 5, 2015

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	- March 1, 2004
Revised	- May 4, 2005
Revised	- January 12, 2006
Revised	- May 9, 2006
Revised	- July 21, 2006
Revised	- November 30, 2006
Revised	- April 10, 2007
Revised	- March 19, 2008
Revised	- November 19, 2009
Revised	- August 31, 2010
Revised	- August 18, 2011
Revised	- August 9, 2012
Revised	- September 11, 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	2-7
General	2-10
2.3 OSCILLATING AXLE LOCKOUT TEST (IF EQUIPPED)	2-11
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	3-7
Platform Station	3-9
Platform Control Indicator Panel	3-15
SECTION - 4 - MACHINE OPERATION	
4.1 DESCRIPTION	4-1
4.2 HYDRAULIC SYSTEM WARM UP	4-2
4.3 BOOM OPERATING CHARACTERISTICS AND LIMITATIONS	4-2
Capacities	4-2
Envelope Control System	4-3
Tower Path Control System	4-4
Automatic Main Boom Control System	4-5
Slow Down System	4-5
Controlled Angle	4-6
Swing Speed Proportioning	4-6
Stability	4-6

TABLE OF CONTENTS

SECTION - PARAGRAPH, SUBJECT	PAGE	SECTION - PARAGRAPH, SUBJECT	PAGE
4.4 AUXILIARY POWER OPERATION	4-10	4.13 MACHINE SAFETY SYSTEM OVERRIDE (MSSO) (CE ONLY).....	4-18
4.5 CAPACITY SELECT.....	4-10	4.14 SKYGUARD OPERATION.....	4-19
4.6 ENGINE OPERATION	4-12	4.15 EMERGENCY TOWING.....	4-20
Starting Procedure	4-12	4.16 SHUT DOWN AND PARK.....	4-21
Shutdown Procedure	4-12	4.17 LIFTING AND TIE DOWN.....	4-21
Fuel Reserve / Shut-Off System.....	4-13	Lifting	4-21
4.7 TRAVELING (DRIVING).....	4-14	Tie Down	4-22
Traveling Forward and Reverse	4-16	4.18 STOWING THE JIB FOR TRANSPORT.....	4-22
4.8 STEERING.....	4-16		
4.9 EXTENDING THE AXLES	4-16	SECTION - 5 - EMERGENCY PROCEDURES	
4.10 PLATFORM	4-16	5.1 GENERAL.....	5-1
Platform Level Adjustment	4-16	5.2 INCIDENT NOTIFICATION.....	5-1
Platform Rotation	4-17	5.3 EMERGENCY OPERATION	5-1
4.11 BOOM.....	4-17	Operator Unable to Control Machine.....	5-1
Swinging the Boom	4-17	Platform or Boom Caught Overhead	5-2
Raising and Lowering the Main Boom	4-17	5.4 EMERGENCY TOWING PROCEDURES.....	5-2
Telescoping the Main Boom	4-17	5.5 MACHINE SAFETY SYSTEM OVERRIDE (MSSO) (CE ONLY).....	5-2
Tower Lift	4-18		
Swinging the Jib	4-18		
4.12 FUNCTION SPEED CONTROL	4-18		

SECTION - PARAGRAPH, SUBJECT	PAGE	SECTION - PARAGRAPH, SUBJECT	PAGE
SECTION - 6 - GENERAL SPECIFICATIONS & OPERATOR MAINTENANCE			
6.1	INTRODUCTION	6-1	
6.2	OPERATING SPECIFICATIONS AND PERFORMANCE DATA	6-1	
	Dimensional Data	6-3	
	Chassis	6-3	
	Capacities	6-4	
	Tires	6-4	
	Engine Data - Deutz 2011 Prior to S/N 0300127698	6-5	
	Engine Data - Deutz 2011 S/N 0300127698 to Present	6-5	
	Engine Data - Caterpillar	6-6	
	Hydraulic Oil	6-7	
	Major Component Weights	6-10	
6.3	OPERATOR MAINTENANCE	6-17	
6.4	TIRES & WHEELS	6-33	
	Tire Inflation	6-33	
	Tire Damage	6-33	
	Tire Replacement	6-33	
	Wheel and Tire Replacement	6-34	
	Wheel Installation	6-34	
6.5	SUPPLEMENTAL INFORMATION	6-35	
 SECTION - 7 - INSPECTION AND REPAIR LOG			

TABLE OF CONTENTS

SECTION - PARAGRAPH, SUBJECT

PAGE

SECTION - PARAGRAPH, SUBJECT

PAGE

This Page Left Blank Intentionally.