



Operation and Safety Manual

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

Boom Lift Models
600A



ADE Identification

All 600A and 600AJ machines from S/N 64249 incorporate ADE. The following machine serial numbers prior to S/N 64249 also utilize ADE: 63908, 63912, 63932, 63936, 63938, 63954, 63959, and 63963.



FOREWORD

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.



FOREWORD

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





A 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.

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

FOREWORD

Revised

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SECTION	N - PARAGRAPH, SUBJECT PAGE	SECTION - PARAGRAPH, SUBJECT PAGE
SECTION	I - 1 - SAFETY PRECAUTIONS	2.3 LIMIT SWITCH FUNCTIONAL CHECK
1.1	GENERAL1-1	General 2-
1.2	PRE-OPERATION1-1	
	Operator Training and Knowledge 1-1	SECTION - 3 - MACHINE CONTROLS AND INDICATORS
	Workplace Inspection 1-2	3.1 GENERAL
	Machine Inspection 1-2	3.2 CONTROLS AND INDICATORS
1.3		Ground Controls
	General	Ground Control Indicator Panel
	Trip and Fall Hazards 1-3	Platform Control
	Electrocution Hazards 1-4	Platform Control Indicator Panel
	Tipping Hazards 1-6	
	Crushing and Collision Hazards 1-7	SECTION - 4 - MACHINE OPERATION
1 1	TOWING LIETING AND HALLING 10	



PAGE	SECTION - PARAGRAPH, SUBJECT	PAGE	I - PARAGRAPH, SUBJECT	SECTION
-	4.16 TIE DOWN AND LIFTING	4-8	Platform Rotation	4.7
	5.1 GENERAL	oom 4-9 om 4-10 4-10 4-10 4-13 ED) 4-13 4-13	Swinging the Boom	4.9 4.10 4.11
IS & ODEDATOD	SECTION & GENERAL SPECIFICATIONS	4-17	CHINES	

SECTION	I - PARAGRAPH, SUBJECT PAGE	SECTION	N - PARAGRAPH, SUBJECT	PAGE
6.3	OPERATOR MAINTENANCE		LIST OF FIGURES	
6.4	TIRES & WHEELS	2-1. 2-2. 2-3. 2-4.	Machine Nomenclature - 600AJ	2-10 2-11
6.5	OSCILLATING AXLE LOCKOUT TEST (IF EQUIPPED)	2-5.	Daily Walk-Around Inspection Points - Sheet 2 of 3	2-13
6.6	DRAINING OIL BUILD UP FROM THE PROPANE REG- ULATOR (PRIOR TO S/N 0300132529) 6-37	2-6.	Daily Walk-Around Inspection Points - Sheet 3 of 3	
6.7	PROPANE FUEL FILTER REPLACEMENT	3-1. 3-2.	Ground Control StationGround Control Indicator Panel	



SECTION	I - PARAGRAPH, SUBJECT PAGE	SECTION - PARAGRAPH, SUBJECT	PAGE
	Present4-15		
4-8.	Drive Disconnect Hub		
4-9.	Machine Tie Down4-21		
4-10.	Lifting Chart		
4-11.	600A & 600AJ Decal Installation - Sheet 1 of 4 4-23		
4-12.	600A & 600AJ Decal Installation - Sheet 2 of 4 4-24		
4-13.	600A & 600AJ Decal Installation - Sheet 3 of 4 4-25		
4-14.	600A & 600AJ Decal Installation - Sheet 4 of 4 4-26		
6-1.	Serial Number Locations6-12		
6-2.	Engine Operating Temperature Specifications - Deutz - Sheet 1 of 2		
6-3.	Engine Operating Temperature Specifications - Deutz - Sheet 2 of 2		
0.4	Franks Operation Townsons to the Considerations Found		

Operating Specifications - S/N 0300140401

6-2



SECTION - PARAGRAPH, SUE	BJECT PAGE	SECTIO	N - PARAGRAPH, SUBJECT	PAGE
 1-2 Beaufort Scale (For Re 2-1 Inspection and Mainter 4-1 600A Decal Legend - P 4-2 600A Decal Legend - S 4-3 600AJ Decal Legend - 600AJ Decal Legend - to Present 6-1 Operating Specification 	stances (M.A.D.)	6-15 6-16 6-17 6-18 6-19 6-20 6-21 7-1	Mobil DTE 13M Specs	6-10 6-11 6-11 6-12 6-23 6-35
t- C/N 0000140401	0.0			

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TABLE OF CONTENTS

SECTION - PARAGRAPH, SUBJECT PAGE | SECTION - PARAGRAPH, SUBJECT PAGE

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SECTION 1. SAFETY PRECAUTIONS

1.1 GENERAL

This section outlines the necessary precautions for proper and safe machine operation and maintenance. For proper machine use, it is mandatory that a daily routine is established based on the content of this manual. A maintenance program, using the information provided in this manual and the Service and Maintenance Manual, must also be established by a qualified person and followed to ensure the machine is safe to operate.

The owner/user/operator/lessor/lessee of the machine should not operate the machine until this manual has been

1.2 PRE-OPERATION

Operator Training and Knowledge

 Read and understand this manual before operating the machine.





- Read, understand, and obey all DANGERS, WARNINGS, CAUTIONS, and operating instructions on the machine and in this manual.
- Use the machine in a manner which is within the scope of its intended application set by JLG.
- All operating personnel must be familiar with the emergency controls and emergency operation of the machine as specified in this manual.
- Read, understand, and obey all applicable employer, local, and governmental regulations as they pertain to operation of the machine.

Workplace Inspection

 This machine can be operated in temperatures of 0° F to 104° F (-20° C to 40° C). Consult JLG for operation outside this range.

Machine Inspection

- Before machine operation, perform inspections and functional checks. Refer to Section 2 of this manual for detailed instructions.
- Do not operate this machine until it has been serviced and maintained according to requirements specified in the Service and Maintenance Manual.
- Be sure the footswitch and all other safety devices are operating properly. Modification of these devices is a



1.3 OPERATION

General

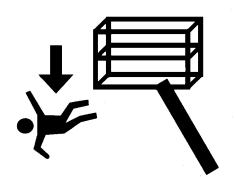
- Do not use the machine for any purpose other than positioning personnel, their tools, and equipment.
- Never operate a machine that is not working properly. If a malfunctions occurs, shut down the machine.
- Never slam a control switch or lever through neutral to an opposite direction. Always return switch to neutral and stop before moving the switch to the next function. Operate controls with slow and even pressure.
- Do not allow personnel to tamper with or operate the

- Supplies or tools which extend outside the platform are prohibited unless approved by JLG.
- When driving, always position boom over rear axle in line with the direction of travel. Remember, if boom is over the front axle, steer and drive functions will be reversed.
- Do not assist a stuck or disabled machine by pushing, pulling, or by using boom functions. Only pull the unit from the tie-down lugs on the chassis.
- Do not place boom or platform against any structure to steady the platform or to support the structure.
- Stow boom and shut off all power before leaving machine.

Trip and Fall Hazards



• Before operating the machine, make sure all gates are closed and fastened in their proper position.



 Use extreme caution when entering or leaving platform. Be sure that the boom is fully lowered. It may be necessary to telescope out to position the platform closer to the ground for entry/exit. Face the machine, maintain "three point contact" with the machine, using two hands and one foot or two feet and one hand during entry and exit.

Electrocution Hazards

This machine is not insulated and does not provide protection from contact or proximity to electrical current.







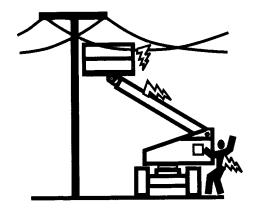


Table 1-1. Minimum Approach Distances (M.A.D.)

Voltage Range (Phase to Phase)	MINIMUM APPROACH DISTANCE in Feet (Meters)		
0 to 50 KV	10 (3)		
Over 50KV to 200 KV	15 (5)		
Over 200 KV to 350 KV	20 (6)		
Over 350 KV to 500 KV	25 (8)		
Over 500 KV to 750 KV	35 (11)		
Over 750 KV to 1000 KV	45 (14)		
	1		

NOTE: This requirement shall apply except where employer, local or governmental regulations are more stringent.



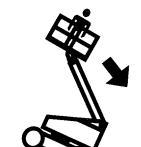
• The minimum approach distance may be reduced if insulating barriers are installed to prevent contact, and the barriers are rated for the voltage of the line being guarded. These barriers shall not be part of (or attached to) the machine. The minimum approach distance shall be reduced to a distance within the designed working dimensions of the insulating barrier. This determination shall be made by a qualified person in accordance with the employer, local, or governmental requirements for work practices near energized equipment

A DANGER

DO NOT MANEUVER MACHINE OR PERSONNEL INSIDE PROHIBITED ZONE (MAD). ASSUME ALL ELECTRICAL PARTS AND WIRING ARE ENERGIZED UNLESS KNOWN OTHERWISE.

Tipping Hazards

The user must be familiar with the surface before driving.
 Do not exceed the allowable sideslope and grade while driving.





- Do not elevate platform or drive with platform elevated while on a sloping, uneven, or soft surface.
- Before driving on floors, bridges, trucks, and other surfaces, check allowable capacity of the surfaces.
- Never exceed the maximum platform capacity. Distribute loads evenly on platform floor.
- Do not raise the platform or drive from an elevated position unless the machine is on firm, level and smooth surfaces.
- Keep the chassis of the machine at least 2 ft. (0.6m) from holes, bumps, drop-offs, obstructions, debris, concealed holes, and other potential hazards on the floor/surface.
- Do not push or pull any object with the beam

 If boom assembly or platform is in a position that one or more wheels are off the ground, all persons must be removed before attempting to stabilize the machine. Use cranes, forklift trucks, or other appropriate equipment to stabilize machine.

Crushing and Collision Hazards

- Approved head gear must be worn by all operating and ground personnel.
- Check work area for clearances overhead, on sides, and bottom of platform when lifting or lowering platform, and driving.



- Use the boom functions, not the drive function, to position the platform close to obstacles.
- Always post a lookout when driving in areas where vision is obstructed.
- Keep non-operating personnel at least 6 ft. (1.8m) away from machine during all driving and swing operations.
- Limit travel speed according to conditions of ground surface, congestion, visibility, slope, location of personnel, and other factors which may cause collision or injury to personnel.
- Be aware of stopping distances in all drive speeds. When driving in high speed, switch to low speed before stopping. Travel grades in low speed only.

1.4 TOWING, LIFTING, AND HAULING

- Never allow personnel in platform while towing, lifting, or hauling.
- This machine should not be towed, except in the event of emergency, malfunction, power failure, or loading/unloading. Refer to the Emergency Procedures section of this manual for emergency towing procedures.
- Ensure boom is in the stowed position and the turntable locked prior to towing, lifting or hauling. The platform must be completely empty of tools.
- When lifting machine, lift only at designated areas of the machine. Lift the unit with equipment of adequate capac-



1.5 ADDITIONAL HAZARDS / SAFETY

- · Do not use machine as a ground for welding.
- When performing welding or metal cutting operations, precautions must be taken to protect the chassis from direct exposure to weld and metal cutting spatter.
- · Do not refuel the machine with the engine running.
- Battery fluid is highly corrosive. Avoid contact with skin and clothing at all times.
- Charge batteries only in a well ventilated area.



NOTICE

DO NOT OPERATE THE MACHINE WHEN WIND CONDITIONS EXCEED 28 MPH (12.5 M/s).

Table 1-2. Beaufort Scale (For Reference Only)

Beaufort	Wine	d Speed	- Description	Land Conditions	
Number	mph	m/s	- Description	Land Conditions	
0	0	0-0.2	Calm	Calm. Smoke rises vertically	
1	1-3	0.3-1.5	Light air	Wind motion visible in smoke	
2	4-7	1.6-3.3	Light breeze	Wind felt on exposed skin. Leaves rustle	
3	8-12	3.4-5.4	Gentle breeze	Leaves and smaller twigs in constant motion	
4	10.10	F F 7 0	Madaustalaussa	Durat and Income an annual and Organii burna abana bana'n ta manana	



SECTION 2. USER RESPONSIBILITIES, MACHINE PREPARATION, AND INSPECTION

2.1 PERSONNEL TRAINING

The aerial platform is a personnel handling device; so it is necessary that it be operated and maintained only by trained personnel.

Persons under the influence of drugs or alcohol or who are subject to seizures, dizziness or loss of physical control must not operate this machine.

Operator Training

Operator training must cover:

- **6.** The safest means to operate the machine where overhead obstructions, other moving equipment, and obstacles, depressions, holes, drop-offs.
- Means to avoid the hazards of unprotected electrical conductors.
- 8. Specific job requirements or machine application.

Training Supervision

Training must be done under the supervision of a qualified person in an open area free of obstructions until the trainee has developed the ability to safely control and operate the



2.2 PREPARATION, INSPECTION, AND MAINTENANCE

The following table covers the periodic machine inspections and maintenance recommended by JLG Industries, Inc. Consult local regulations for further requirements for aerial work platforms. The frequency of inspections and maintenance must be increased as necessary when the machine is used in a harsh or hostile environment, if the machine is used with increased frequency, or if the machine is used in a severe manner.



JLG INDUSTRIES, INC. RECOGNIZES A FACTORY-QUALIFIED SERVICE TECHNICIAN AS A PERSON WHO HAS SUCCESSFULLY COMPLETED THE JLG SERVICE TRAINING SCHOOL FOR THE SPECIFIC JLG PRODUCT MODEL.



Table 2-1.Inspection and Maintenance Table

Туре	Frequency	Primary Responsibility	Service Qualification	Reference
Pre-Start Inspection	Before using each day; or whenever there's an Operator change.	User or Operator	User or Operator	Operator and Safety Manual
Pre-Delivery Inspection (See Note)	Before each sale, lease, or rental delivery.	Owner, Dealer, or User	Qualified JLG Mechanic	Service and Maintenance Manual and applicable JLG inspection form
Frequent Inspection	In service for 3 months or 150 hours, whichever comes first; or Out of service for a period of more than 3 months;	Owner, Dealer, or User	Qualified JLG Mechanic	Service and Maintenance Manual and applicable JLG inspection form



Pre-Start Inspection

The Pre-Start Inspection should include each of the following:

- 1. Cleanliness Check all surfaces for leakage (oil, fuel, or battery fluid) or foreign objects. Report any leakage to the proper maintenance personnel.
- 2. Structure Inspect the machine structure for dents, damage, weld or parent metal cracks or other discrepancies.

- (Domestic only) is enclosed in the weather resistant storage container.
- 5. "Walk-Around" Inspection Refer to Figure 2-3.
- Battery Charge as required.
- Fuel (Combustion Engine Powered Machines) Add the proper fuel as necessary.
- **8.** Hydraulic Oil Check the hydraulic oil level. Ensure hydraulic oil is added as required.
- Function Check Once the "Walk-Around" Inspection is complete, perform a functional check of all systems in an area free of overhead and ground level obstructions. Refer to Section 4 for more specific instructions.



Function Check

Perform the Function Check as follows:

- From the ground control panel with no load in the platform:
 - **a.** Check that all guards protecting the switches or locks are in place;
 - Operate all functions and check all limiting and cutout switches;
 - c. Check auxiliary power (or manual descent);

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d. Ensure that all machine functions are disabled when the Emergency Stop Button is activated.

- a. Drive the machine on a grade, not to exceed the rated gradeability, and stop to ensure the brakes hold;
- Check the tilt sensor alarm to ensure proper operation.

2.3 LIMIT SWITCH FUNCTIONAL CHECK



TO AVOID MACHINE UPSET DO NOT USE MACHINE IF TOWER BOOM SWITCHING IS OUT OF SEQUENCE.

IF THE TOWER BOOM LIFTS 'DOWN' WITH THE TOWER BOOM TELE-SCOPED 'OUT'. SHUT DOWN MACHINE AND CONTACT A CERTIFIED JLG



A WARNING

TO AVOID COLLISION AND INJURY IF PLATFORM DOES NOT STOP WHEN A CONTROL SWITCH OR LEVER IS RELEASED, REMOVE FOOT FROM FOOTSWITCH OR USE EMERGENCY STOP TO STOP THE MACHINE.

1. Check hydraulic boom sequence cam valves. Raise, extend, retract and lower tower boom. Check for smooth and proper operation.

NOTE: Perform checks from ground controls first, then from platform controls.

2. Operate machine from ground control.

6. Place TOWER TELESCOPE to 'in' position and fully retract the TOWER BOOM. Place TOWER BOOM to 'down' and fully lower the TOWER BOOM. Upright in vertical position. If Tower Boom does not rest on stop with machine in the stowed position, this indicates upright is out of plumb. See Section 4, Boom Synchronizing Procedure, in Service Manual.

A WARNING

TO AVOID TIPPING OVER DO NOT USE MACHINE IF TOWER BOOM SWITCHING IS OUT OF SEQUENCE.

NOTE: For adjustments see Service Manual - Limit Switch Adjustments.



by using test light in terminal # 24 in the main terminal box. Tower angle switch must be reset before main boom angle switch can be activated.

Tower Boom Angle Limit Switch.

- a. Place machine on level surface.
- b. Using the bottom of the upright and the ground as a reference, lift the tower boom 40" to 42" (101.6 to 106.6 cm) from the stowed position. The tower boom angle limit switch should activate at this point.
- c. Lower the tower boom 25" to 30" (63.5 to 76.2 cm) from where the switch activated. This switch should reset at this point

- b. Telescope boom out until 500 lb. (227 kg) light comes on (may need to used auxiliary power to position boom correctly).
- **c.** Mark the wear pad location on the main fly boom.
- d. Telescope the main boom to full extension.
- e. Measure from the mark on the fly boom to the wear pad. The dimension should be 125" to 127" (317.5 to 322.6 cm).

Main Boom Angle Switch.

- a. Lift main boom to approximately horizontal.
- b. Telescope boom out until 500 lb. (227 kg) light comes on (may need to used auxiliary power to position boom correctly)



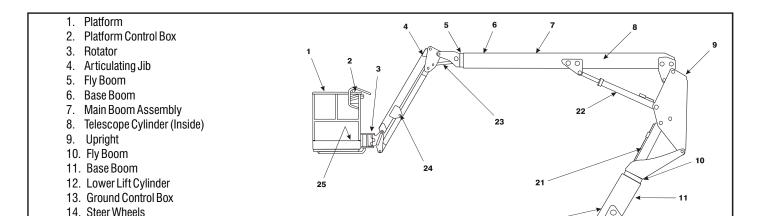
- **9.** Raise, extend, retract and lower main boom. Check for smooth operation.
- Swing turntable to LEFT and RIGHT a minimum of 45 degrees. Check for smooth motion.

NOTE: Step 11 is only applicable for machines with an external tilt sensor.

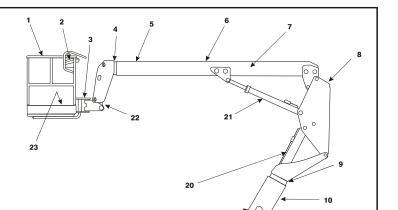
11. With the aid of an assistant to monitor the CHASSIS OUT OF LEVEL indicator light on the platform control console, manually activate the indicator light by compressing any one of the three tilt indicator mounting springs. If the light does not illuminate, shut down machine and contact a qualified service technician before continuing operation.

NOTE: Step 12 is applicable for machines with an internal tilt sensor.

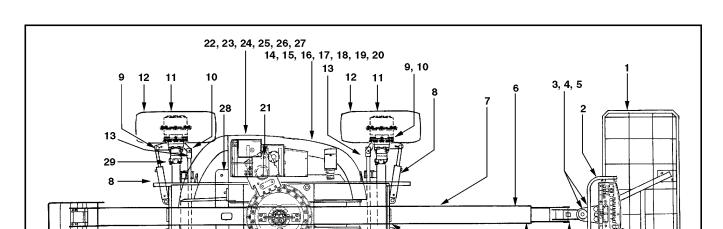
12. Check the chassis out of level indicator located on the platform control console by driving, with the machine in level position, up a suitable ramp of at least 5° slope. Check the out of level indicator, with the machine on the ramp. If the light does not illuminate, return the machine to a level surface, shut down the machine, and contact a qualified technician before resuming operation.



- 1. Platform
- 2. Platform Control Box
- 3. Rotator
- 4. Fly Boom
- 5. Base Boom
- 6. Main Boom Assembly
- 7. Telescope Cylinder (Inside)
- 8. Upright
- 9. Fly Boom
- 10. Base Boom
- 11. Lower Lift Cylinder
- 12. Ground Control Box
- 13. Steer Wheels









General

Begin the "Walk-Around Inspection" at Item 1, as noted on the diagram. Continue to the right (counterclockwise viewed from top) checking each item in sequence for the conditions listed in the "Walk-Around Inspection Checklist".

WARNING

TO AVOID POSSIBLE INJURY BE SURE MACHINE POWER IS OFF DURING "WALK-AROUND INSPECTION".

- Rotator See Note.
- Rotator Motion Control Valve See Note.
- Articulating Jib Boom See Note.
- Dual Capacity Limit Switch Arm free to move, and free from dirt and grease.

1. Platform Assembly - Platform Assembly and Gate -Footswitch works properly, not modified, disabled or

blocked. Latch, stop, and hinges in working condition.

2. Platform Control Console - Switches and levers return

secure and legible, control marking legible.

to neutral and are properly secured, decals/placards

NOTICE



- **12.** Wheel/Tire Assembly No loose or missing lug nuts. Inspect for worn tread, cuts, tears or other discrepancies. Inspect wheels for damage and corrosion.
- Tie Rod and Steering Linkage (4 Wheel Steer) Tie rod end studs locked.
- 14. Turntable Lock Operable.
- 15. Auxiliary Power Pump See Note.
- 16. Control Valve (Tank Compartment) See Note.
- **17.** Turntable Bearing and Pinion No evidence of loose bolts or looseness between bearing and structure.

- **22.** Hydraulic Oil Supply Recommended oil level sight gauge. (Check level with cold oil, systems shut down, machine in stowed position) Cap in place and secure.
- **23.** Hydraulic Oil Breather Element in place, not clogged, no sign of overflow.
- **24.** Ground Controls Switches operable, decals secure and legible.
- **25.** Fuel Supply Fuel filler cap secure. Tank See Note.
- 26. Swing Drive Motor and Brake See Note.
- 27. Door and Latches Hood door and latches in working



- 29. Oscillating Axle Cylinder (If Equipped) See Note.
- Dual Capacity and Horizontal Cutout Limit Switch No damage to the switch, arm free to move, and free from dirt and grease.
- 31. Oscillating Axle (If Equipped)- See Note.
- 32. Engine Air Filter Element clean.
- Battery Proper electrolyte levels; cables tight, no visible damage or corrosion.
- **34.** Engine Oil Supply Full mark on dipstick; filler cap secure.

- 38. Hydraulic Swivel See Note.
- **39.** LP Gas Tank (If Equipped) See Note.
- 40. Flow Valves See Note.
- 41. Tower Boom/Upright Wear pads secure. All cylinders rod end shafts and barrel-end shafts properly secured. Upright in vertical position. If Tower Boom does not rest on stop with machine in the stowed position, this indicates upright is out of plumb.
- 42. Frame See Note.
- **43.** Main Boom Sections Wear pads secure. All cylinders rod end shafts and barrel-end shafts properly

35. Muffler and Exhaust System - See Note.



SECTION 3. MACHINE CONTROLS AND INDICATORS

GENERAL 3.1

NOTICE

THE MANUFACTURER HAS NO DIRECT CONTROL OVER MACHINE APPLICATION AND OPERATION. THE USER AND OPERATOR ARE RESPONSIBLE FOR CONFORMING WITH GOOD SAFETY PRACTICES.

This section provides the necessary information needed to understand control functions.

CONTROLS AND INDICATORS

NOTE: The indicator panels use different shaped symbols to alert the operator to different types of operational situations that could arise. The meaning of those symbols are explained below.



Indicates a potentially hazardous situation, which if not corrected, could result in serious injury or death. This indicator will be red.



Indicates an abnormal operating condition, which if not corrected, may result in machine interruption or damage. This indicator will be yellow.



Ground Controls

(See Figure 3-1., Ground Control Station)

NOTE: If equipped, the Function Enable switch must be held down in order to operate Main Boom Telescope, Tower Lift, Swing, Main Lift, Jib Lift, Platform Level Override, and Platform Rotate functions.

1. Platform Rotate

A three position switch permits rotation of the platform.



3. Jib (If Equipped)

This switch provides raising and lowering of the jib.

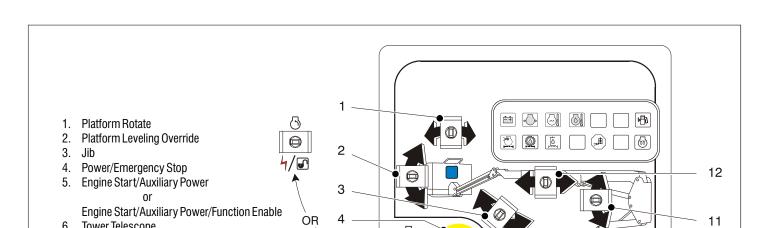
NOTE: When Power/Emergency Stop switch is in the "ON" position and engine is not running, an alarm will sound, indicating Ignition is "ON".

▲ CAUTION

WHEN THE MACHINE IS SHUT DOWN THE MASTER/EMERGENCY STOP SWITCH MUST BE POSITIONED TO THE "OFF" POSITION TO PREVENT DRAINING THE BATTERY.

NOTE: On machines with diesel engines, when Glow Plug Indicator is lighted (Yellow), wait until light goes out before







5. Engine Start/Auxiliary Power Switch

or

Engine Start/ Auxiliary Power Switch /Function Enable.



To start the engine, the switch must be held "UP" until the engine starts.



To use auxiliary power, the switch must be held "DOWN" for duration of auxiliary pump use. Aux power can only be used if the engine is not running.



If equipped, the enable switch must be held "DOWN" to enable all boom controls when the engine is running.

7. Hourmeter

Registers the amount of time the machine has been in use, with engine running. By connecting into the oil pressure circuit of the engine, only engine run hours are recorded. The hourmeter registers up to 9,999.9 hours and cannot be reset.

8. Platform/Ground Select Switch

A three position, center off, key activated PLATFORM/ GROUND SELECT switch supplies power to the platform control console when positioned to PLATFORM. With the switch in GROUND position, power is shut off to the platform control console, and only the controls on





WHEN OPERATING THE BOOM ENSURE THERE ARE NO PERSONNEL AROUND OR UNDER PLATFORM.

A WARNING

TO AVOID SERIOUS INJURY, DO NOT OPERATE MACHINE IF ANY CONTROL LEVERS OR TOGGLE SWITCHES CONTROLLING PLATFORM MOVEMENT DO NOT RETURN TO THE OFF POSITION WHEN RELEASED.

10. Tower Lift

This switch provides raising and lowering of the tower boom. This function works only when the tower boom is

11. Main Lift Control

Provides raising and lowering of the main boom.

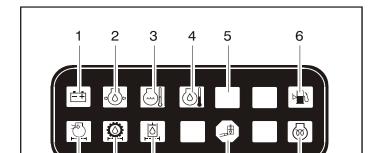
12. Main Telescope Control

Provides extension and retraction of the boom, when positioned to IN or OUT.



Ground Control Indicator Panel

(See Figure 3-2., Ground Control Indicator Panel)



1. Battery Charging Indicator

Indicates a problem in the battery or charging circuit, and service is required.

2. Engine Oil Pressure Indicator

Indicates that engine oil pressure is below normal and service is required.

3. Engine Coolant Temperature (Ford and Continental) Indicator

Indicates that engine coolant temperature is abnormally high and service is required.



5. Engine Malfunction Indicator (Ford Engines S/N 48907 to S/N 64249 - refer to ADE System Identification page at the front of the book).

Indicates that the Engine Control Module has detected a malfunction in the Electronic Fuel Injection System and a Diagnostic Trouble Code has been set in the ECM. Refer to the Service Manual for instructions concerning the trouble codes and trouble code retrieval.

The malfunction indicator light will illuminate for 2-3 seconds when the key is positioned to the on position to act as a self test.

6. Low Fuel Level Indicator

- 8. Platform Overload (If equipped)
- Indicates the platform has been overloaded.

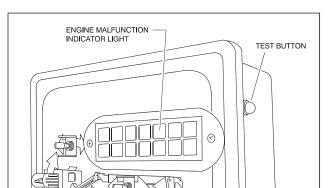
 9. Hydraulic Oil Filter Indicator (Prior to S/N 84829)
 - Indicates the return oil filter is too restrictive and needs to be replaced.
- **10.** Transmission Pump Oil Filter Indicator (Prior to S/N 84829)

Indicates that charge pump filter is too restrictive and needs to be replaced. This indicator has an integral temperature sensor (70 degrees F.) so that false signals are not generated when the hydraulic oil is below normal



12. EFI System Test Button (Ford Engines S/N 48907 to S/N 64249 - refer to ADE System Identification page at the front of the book).

By pushing and holding the system test button on the side of the ground control box, the Diagnostic Trouble Codes will be displayed on the Malfunction Indicator Light. Refer to the Service Manual for instructions concerning the trouble codes and trouble code retrieval.





Platform Control

(See Figure 3-4. and Figure 3-5.)

1. Drive Speed/Torque Select

The machine has a two position switch — The forward position produces maximum speed and torque by giving speed when the drive controller is moved. The backward position allows the machine to be driven with the engine at mid speed.

2. Steer Select (If Equipped)

When equipped with four wheel steering, the action of the steering system is operator selectable. The center rear drive wheels to the forward drive position by selecting either crab or compound steer, then select front steer (center switch position) to operate the normal steering function.

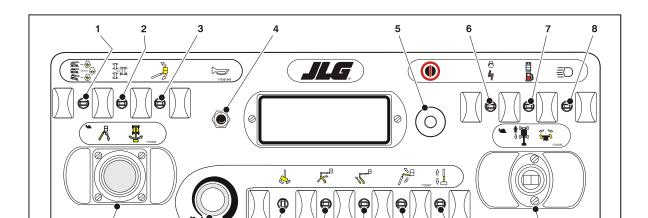
▲ WARNING

ONLY USE THE PLATFORM LEVELING OVERRIDE FUNCTION FOR SLIGHT LEVELING OF THE PLATFORM. INCORRECT USE COULD CAUSE THE LOAD/OCCUPANT TO SHIFT OR FALL. FAILURE TO DO SO COULD RESULT IN DEATH OR SERIOUS INJURY.

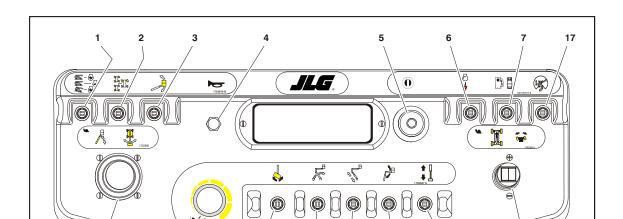
3. Platform Leveling Override

This switch allows the operator to adjust the level of the











6. Auxiliary Power

Energizes the electrically operated hydraulic pump, when actuated. (Switch must be held ON for duration of auxiliary pump use.)

The auxiliary pump functions to provide sufficient oil flow to operate the basic machine functions should the main pump or engine fail. The auxiliary pump will operate tower boom lift, tower telescope, main boom lift, main telescope and swing.

7. Fuel Select (Dual Fuel Engine Only) (If Equipped)

Gasoline or liquid propane fuel may be selected by moving the switch to the appropriate position. It is uppeces-

8. Lights (If Equipped)

This switch operates control console panel lights and head lights if the machine is so equipped. The ignition switch does not have to be on to operate the lights, so care must be taken to avoid draining the battery if left unattended. The master switch and / or the ignition switch at the ground control will turn off power to all lights.

9. Drive/Steer

The DRIVE joystick provides for driving either forward or backward. The controller is 'ramped' to allow variable drive speed.



10. Main Telescope Control

This control allows extension and retraction of the main boom.

11. Jib (If Equipped)

Push forward to lift up, pull back to lift down. Variable lift speed is using the Function Speed Control.

12. Tower Telescope

This three position switch provides for extending and retracting of the tower boom. TOWER TELESCOPE must be fully RETRACTED before operating TOWER LIFT. (TOWER TELESCOPE should not function when

13. Tower Lift

This three position switch provides for raising and lowering of the tower boom. TOWER LIFT must be fully elevated "UP" before operating TOWER TELESCOPE. (TOWER LIFT should not function when TOWER TELESCOPE is extended).

NOTE: MAIN LIFT, SWING, and DRIVE control levers are spring-loaded and will automatically return to neutral (OFF) position when released.



TO AVOID SERIOUS INJURY, DO NOT OPERATE MACHINE IF ANY CON-



14. Platform Rotate

This switch allows the operator to rotate the basket to the left or right.

▲ CAUTION

DO NOT OPERATE MACHINE IF DRIVE SPEED /TORQUE SELECT OR FUNCTION SPEED SWITCHES OPERATE WHEN BOOM IS ABOVE HORIZONTAL.

15. Function Speed Control

Controls the speed of Boom and Swing Functions. Rotate CCW for slower speed and CW for faster speed.

17. Drive Orientation Override

When the boom is swung over the rear tires or further in either direction, the Drive Orientation indicator will illuminate when the drive function is selected. Push and release the switch, and within 3 seconds move the Drive/Steer control to activate drive or steer. Before driving, locate the black/white orientation arrows on both the chassis and the platform controls and match the control direction arrow to the intended chassis direction.

18. Soft Touch Override Switch (If equipped)

This switch enables the functions that were cut out by the Soft Touch system to operate again at creep speed,



Platform Control Indicator Panel

(See Figure 3-6. and Figure 3-7.)

1. Tilt Alarm Warning Light and Alarm

This orange illuminator indicates that the chassis is on a slope. An alarm will also sound when the chassis is on a slope and the boom is above horizontal. If lit when boom is raised or extended, retract and lower to below horizontal then reposition machine so that it is level before continuing operation. If the boom is above horizontal and the machine is on a slope, the tilt alarm warning light will illuminate and an alarm will sound and CREEP is automatically activated.

2. Platform Overload (If equipped)

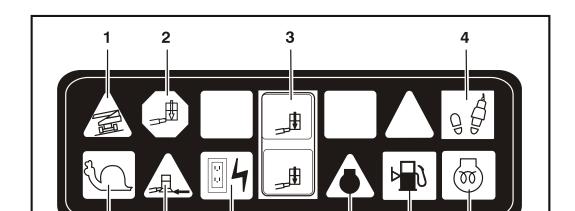
Indicates the platform has been overloaded.

3. Capacity Indicator

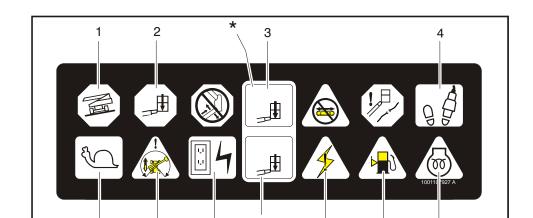
Indicates the maximum platform capacity for the current position of the platform. Restricted capacities are permitted at restricted platform positions (shorter boom lengths and higher boom angles).

NOTE: Refer to the capacity decals on the machine for restricted and unrestricted platform capacities.











4. Enable Indicator/Footswitch

To operate any function, the footswitch must be depressed and the function selected within seven seconds. The enable indicator shows that the controls are enabled. If a function is not selected within seven seconds, or if a seven second lapse between ending one function and beginning the next function, the enable light will go out and the footswitch must be released and depressed again to enable the controls.

Releasing the footswitch removes power from all con-

trols and applies the drive brakes.

A WADNING

5. Glow Plug Indicator

When illuminated the glow plugs are operating. After turning on ignition, wait until light goes out before cranking engine.

6. Low Fuel Indicator (Yellow)

Indicates the fuel tank is 1/8 full or less. When the light first turns on, there are approximately four usable gallons of fuel remaining.

7. Engine Malfunction Indicator

On all machines prior to S/N 48907 and machines with a Deutz engine prior to S/N 64249, the light turns on and



ble code retrieval.

The malfunction indicator light will illuminate for 2-3 seconds when the key is positioned to the on position to act as a self test.

8. AC Generator (Green)

Indicates the generator is in operation.

9. Soft Touch Indicator (If Equipped)

Indicates the Soft Touch bumper is against an object. All controls are cut out until the override button is pushed, at which time controls are active in the Creep mode.

10. Creep Speed Indicator

When the Function Speed Control is turned to the creep position, the indicator acts as a reminder that all functions are set to the slowest speed.

Drive Orientation Indicator

When the boom is swung beyond the rear drive tires or further in either direction, the Drive Orientation indicator.



SECTION 4. MACHINE OPERATION

4.1 DESCRIPTION

This machine is a self-propelled hydraulic lift equipped with a work platform on the end of an elevating, articulating and rotating boom.

The primary operator control station is in the platform. From this control station, the operator can drive and steer the machine in both forward and reverse directions. The operator can raise or lower the upper or lower boom or swing the boom to the left or right. Standard boom swing is 360° continuous left and right of the stowed position. The machine has a Ground Control Station which will override the Platform

4.2 OPERATING CHARACTERISTICS AND LIMITATIONS

Capacities

The boom can be raised above horizontal with or without any load in platform, if:

- Machine is positioned on a smooth, firm and level surface.
- 2. Load is within manufacturer's rated capacity.



Stability

Machine stability is based on two positions which are called FORWARD and BACKWARD stability. The machines position of least BACKWARD stability is shown in Figure 4-2., Position of Least Backward Stability and its position of least FORWARD stability is shown in Figure 4-1., Position of Least Forward Stability.

A WARNING

TO AVOID FORWARD OR BACKWARD TIPPING, DO NOT OVERLOAD MACHINE OR OPERATE THE MACHINE ON AN OUT-OF-LEVEL SURFACE.

4.3 ENGINE OPERATION

NOTE: Initial starting should always be performed from the Ground Control station.

Starting Procedure

A CAUTION

IF ENGINE FAILS TO START PROMPTLY, DO NOT CRANK FOR AN EXTENDED TIME. SHOULD ENGINE FAIL TO START AGAIN, ALLOW STARTER TO "COOL OFF" FOR 2-3 MINUTES. IF ENGINE FAILS AFTER SEVERAL ATTEMPTS, REFER TO ENGINE MAINTENANCE MANUAL.



- 2. After engine has had sufficient time to warm up, shut engine off.
- 3. Turn SELECT switch to PLATFORM.
- From Platform, pull POWER/EMERGENCY STOP switch out, then push the ENGINE START switch until engine starts.

NOTE: Footswitch must be in released (up) position before starter will operate. If starter operates with footswitch in the depressed position, DO NOT OPERATE MACHINE.

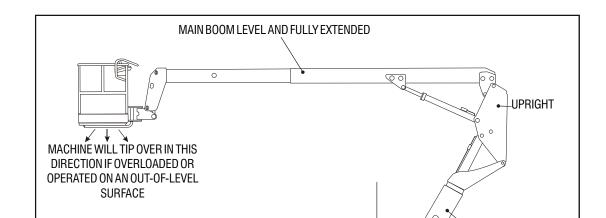
Shutdown Procedure



IF AN ENGINE MALFUNCTION CAUSES AN UNSCHEDULED SHUTDOWN, DETERMINE THE CAUSE AND CORRECT IT BEFORE RESTARTING THE ENGINE.

- Remove all load and allow engine to operate at low speed for 3-5 minutes; this allows further reduction of internal engine temperature.
- 2. Push POWER/EMERGENCY STOP switch in.
- 3. Turn MASTER switch to Off.





MACHINE WILL TIP OVER IN THIS DIRECTION IF OPERATED ON AN OUT-OF-LEVEL SURFACE OR IF TOWER BOOM UPRIGHT IS PLACED BEYOND THIS POSITION.

4.4 TRAVELING (DRIVING)



DO NOT DRIVE WITH BOOM ABOVE HORIZONTAL EXCEPT ON A SMOOTH, FIRM AND LEVEL SURFACE.

TO AVOID LOSS OF TRAVEL CONTROL OR "TIP OVER", DO NOT DRIVE MACHINE ON GRADES EXCEEDING THOSE SPECIFIED ON THE SERIAL NUMBER PLATE.

BE SURE THE TURNTABLE LOCK IS ENGAGED BEFORE ANY EXTENDED TRAVELING.

DO NOT DRIVE ON SIDESLOPES WHICH EXCEED 5 DEGREES.



Traveling Forward and Reverse

- At Platform Controls, pull out Emergency Stop switch and activate footswitch.
- Position Drive controller to FORWARD or REVERSE as desired.

This machine is equipped with a Drive Orientation Indicator. The yellow light on the platform control console indicates that the boom is swung beyond the rear drive tires and the machine may Drive/Steer in the opposite direction from the movement of the controls. If the indicator is illuminated, operate the Drive function in the following manner:

1 Match the black and white direction arrows on both plat-

4.5 STEERING

Position thumb switch on Drive/Steer controller to RIGHT for steering right, or to LEFT for steering left.

4.6 PLATFORM

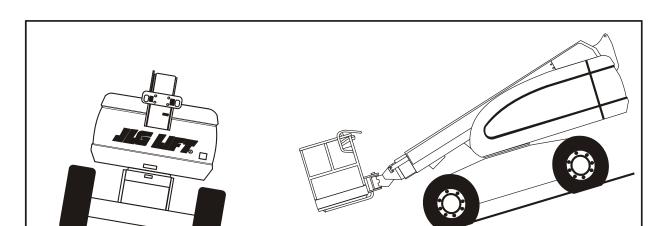
Platform Level Adjustment

To Level Up or Down - Position the Platform/Level control switch Up or Down and hold until the platform is level.



ONLY USE THE PLATFORM LEVELING OVERRIDE FUNCTION FOR







4.7 BOOM

▲ WARNING

DO NOT SWING OR RAISE BOOM ABOVE HORIZONTAL WHEN MACHINE IS OUT OF LEVEL.

DO NOT DEPEND ON TILT ALARM AS A LEVEL INDICATOR FOR THE CHASSIS.

TO AVOID TIP OVER, LOWER PLATFORM TO GROUND LEVEL. THEN DRIVE MACHINE TO A LEVEL SURFACE BEFORE RAISING BOOM.

TO AVOID SERIOUS INJURY, DO NOT OPERATE MACHINE IF ANY CONTROL LEVER OR TOGGLE SWITCH CONTROLLING PLATFORM MOVE-

Swinging the Boom

To swing boom, use SWING control switch to select RIGHT or LEFT direction.

NOTICE

WHEN SWINGING THE BOOM MAKE SURE THERE IS AMPLE ROOM FOR THE BOOM TO CLEAR SURROUNDING WALLS, PARTITIONS AND EQUIPMENT.

NOTE: When boom functions are being operated there an interlock prevents the use of DRIVE and STEER functions.



Raising and Lowering the Tower Boom

This machine will have two controls for the tower boom (two toggle switches), one controls tower lift, the other tower telescope. The switching system will sequence its LIFT and TELESCOPE functions as follows:

- Sequence while RAISING the TOWER BOOM from the fully lowered position.
 - a. The TOWER BOOM must be fully elevated "up" (approximately 13 degrees from vertical) before the TOWER BOOM can be extended from the fully retracted position.
 - b. The TOWER TELESCOPE "out" or "in" will only be



TO AVOID TILTING MACHINE IF TOWER BOOM SWITCHING MALFUNCTIONS:

- LOWER PLATFORM TO GROUND USING MAIN BOOM LIFT AND TELE-SCOPE FUNCTIONS.
- HAVE CONDITION CORRECTED BY A CERTIFIED JLG SERVICE TECHNICIAN BEFORE CONTINUING USE OF MACHINE.



Raising and Lowering the Main Boom

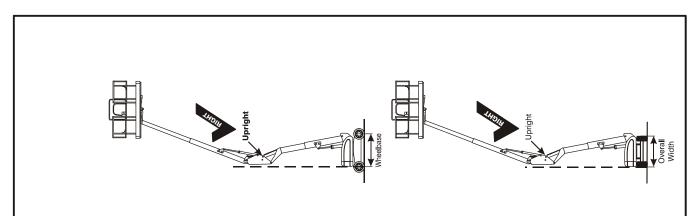
To raise and lower Main Boom, position MAIN LIFT control switch or controller to UP OR DOWN and hold until desired height is reached.

Telescoping the Main Boom

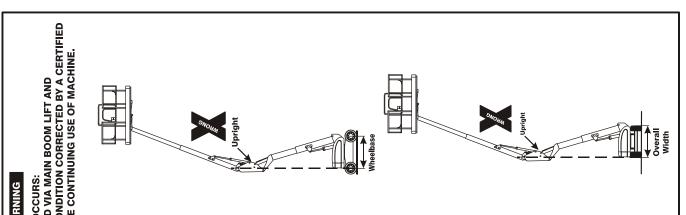
To extend or retract Main Boom, position MAIN TELESCOPE control switch to IN or OUT and hold until platform reaches desired position.

4.8 SHUT DOWN AND PARK

- 1. Drive machine to a protected area.
- Assure main boom is fully retracted and lowered over rear (Drive) axle; all access panels and doors closed and secured.
- Remove all load and allow engine to operate 3-5 minutes at LOW setting to permit reduction of engine internal temperatures.
- At Ground Controls, turn KEY SELECT switch to (center)
 OFF. Position, POWER/EMERGENCY STOP switch
 (down) to OFF. Remove key.
- 5 Cover Platform Control console to protect instruction



Positioning - Sheet 1 of 2



Positioning - Sheet 2 of 2



4.9 OSCILLATING AXLE LOCKOUT TEST (IF EQUIPPED)

NOTICE

LOCKOUT SYSTEM TEST MUST BE PERFORMED QUARTERLY, ANY TIME A SYSTEM COMPONENT IS REPLACED, OR WHEN IMPROPER SYSTEM OPERATION IS SUSPECTED.

Refer to Section 6.5, Oscillating Axle Lockout Test (If Equipped) for procedure.

4.10 STEER/TOW SELECTOR (IF EQUIPPED)

4.11 TOWING (IF EQUIPPED)



RUNAWAY VEHICLE/MACHINE HAZARD. MACHINE HAS NO TOWING BRAKES. TOWING VEHICLE MUST BE ABLE TO CONTROL MACHINE AT ALL TIMES. ON-HIGHWAY TOWING NOT PERMITTED. FAILURE TO FOLLOW INSTRUCTIONS COULD CAUSE SERIOUS INJURY OR DEATH.

MAXIMUM TOWING SPEED 10 M.P.H. (16 K.M.H.)

MAXIMUM TOWING GRADE 25%.

Prior to towing the machine, complete the following:

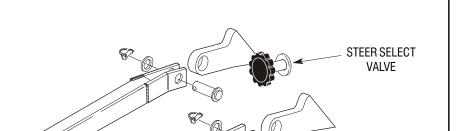
(Coo Figure 16)



▲ WARNING

RUNAWAY VEHICLE/ MACHINE HAZARD

MACHINE HAS NO TOWING BRAKES. TOWING VEHICLE MUST BE ABLE TO CONTROL MACHINE AT ALL TIMES. ON-HIGHWAY TOWING NOT PERMITTED. FAILURE TO FOLLOW INSTRUCTIONS COULD CAUSE SERIOUS INJURY OR

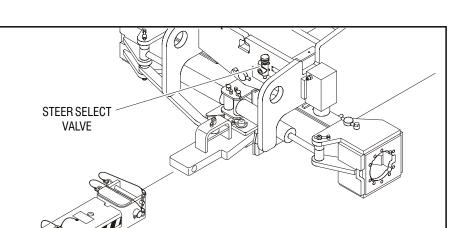




A WARNING

RUNAWAY VEHICLE/ MACHINE HAZARD

MACHINE HAS NO TOWING BRAKES. TOWING VEHICLE MUST BE ABLE TO CONTROL MACHINE AT ALL TIMES, ON-HIGHWAY TOWING NOT PERMITTED. FAILURE TO FOLLOW INSTRUCTIONS COULD CAUSE SERIOUS INJURY OR

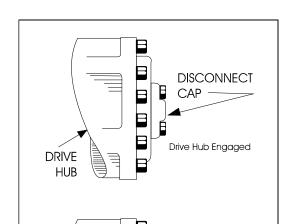




- 3. Disconnect drive hubs by inverting disconnect cap.
- 4. Actuate steer/tow selector valve for towing; pull valve knob OUT to float position. (This opens the steer circuit to reservoir, allowing the steer cylinder rod free travel.) The machine is now in the towing mode.

After towing the machine, complete the following:

- Actuate steer/tow selector valve for steering; push valve knob IN to the actuated position.
- 2. Reconnect drive hubs by inverting disconnect cap.
- **3.** Disconnect tow bar from steering hitch and from towing vehicle. The machine is now in the driving mode.





4.12 AUXILIARY POWER - NON ADE EQUIPPED MACHINES



WHEN OPERATING ON AUXILIARY POWER, DO NOT OPERATE MORE THAN ONE FUNCTION AT A TIME. (SIMULTANEOUS OPERATION CAN OVERLOAD THE 12-VOLT AUXILIARY PUMP MOTOR.)

A toggle type auxiliary power control switch is located on the platform control station and another is located on the ground control station. Operation of either switch turns on the electrically driven auxiliary hydraulic pump. This should be used in case of failure of the main power plant. The auxiliary pump

- 5. Position AUXILIARY POWER switch to ON and hold.
- **6.** Release AUXILIARY POWER switch, selected control switch, lever or controller, and footswitch.
- 7. Position POWER/EMERGENCY STOP switch to OFF.

Activating from the Ground Control Station

- Position PLATFORM/GROUND SELECT KEY SWITCH to GROUND.
- 2. Position POWER/EMERGENCY STOP switch to ON.
- Operate appropriate control switch or controller for desired function and hold.



4.13 AUXILIARY POWER - ADE EQUIPPED MACHINES

A CAUTION

WHEN OPERATING ON AUXILIARY POWER, DO NOT OPERATE MORE THAN ONE FUNCTION AT A TIME. (SIMULTANEOUS OPERATION CAN OVERLOAD THE 12-VOLT AUXILIARY PUMP MOTOR.)

A toggle type auxiliary power control switch is located on the platform control station and another is located on the ground control station. Operation of either switch turns on the electrically driven auxiliary hydraulic pump. This should be used in case of failure of the main power plant. The auxiliary pump

- Operate appropriate control switch, lever or controller for desired function and hold.
- Release AUXILIARY POWER switch, selected control switch, lever or controller, and footswitch.
- 7. Position POWER/EMERGENCY STOP switch to OFF.

Activating from the Ground Control Station

- Position PLATFORM/GROUND SELECT KEY SWITCH to GROUND.
- 2. Position POWER/EMERGENCY STOP switch to ON.
- 3. Position AUXILIARY POWER switch to ON and hold.



4.14 DUAL FUEL SYSTEM (GAS ENGINE ONLY)

The dual fuel system enables the standard gasoline engine to run on either gasoline or LP gas.



IT IS POSSIBLE TO SWITCH FROM ONE FUEL SOURCE TO THE OTHER WITHOUT ALLOWING THE ENGINE TO STOP. EXTREME CARE MUST BE TAKEN AND THE FOLLOWING INSTRUCTIONS MUST BE FOLLOWED.

Changing From Gasoline to LP Gas

1. Start engine from Ground Control Station.

Changing From LP Gas to Gasoline

- 1. With engine operating on LP under a no-load condition, position FUEL SELECT switch at Platform Control Station to GASOLINE position.
- Close hand valve on LP gas supply tank by turning clockwise.

4.15 RE-SYNCHRONIZE THE LOWER LIFT CYLINDER

Level Override Valve



4.16 TIE DOWN AND LIFTING

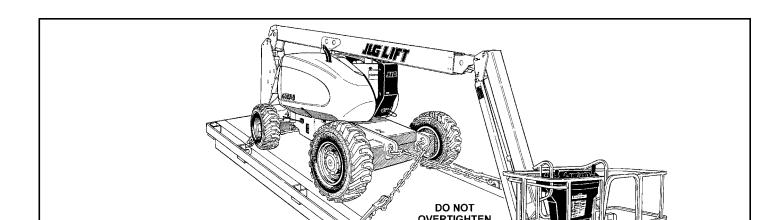
When transporting machine, boom must be in the stowed mode with turntable lock pin engaged and machine securely tied down to truck or trailer deck. Four tie down eyes are provided in the frame slab, one at each corner of the machine. (See Figure 4-9. Machine Tie Down.)

If it becomes necessary to lift the machine using an overhead or mobile crane, it is very important that the lifting devices are attached only to the designated lifting eyes, and that the turntable lock pin is engaged. (See Figure 4-10. Lifting Chart.) **NOTE:** Lifting eyes are provided at the front and rear in the frame slab. Each of the four chains or slings used for lifting machine must be adjusted individually so machine remains level when elevated.

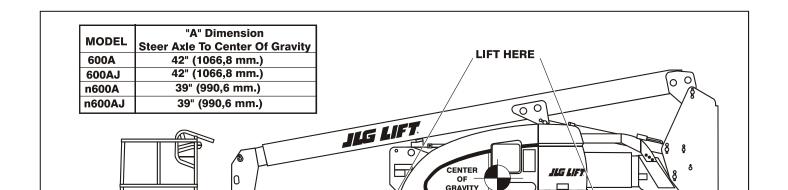
NOTICE

SECURE TURNTABLE WITH TURNTABLE LOCK BEFORE TRAVELING LONG DISTANCES OR HAULING MACHINE ON TRUCK/TRAILER.

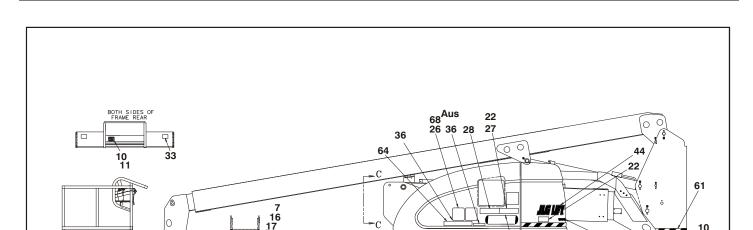




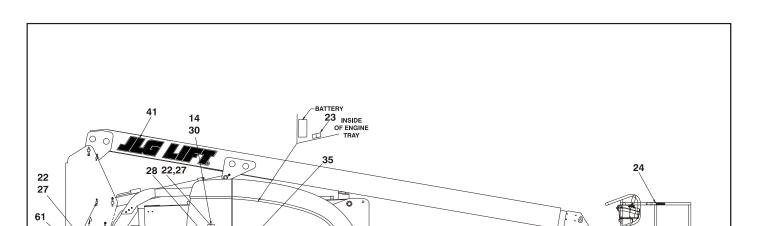




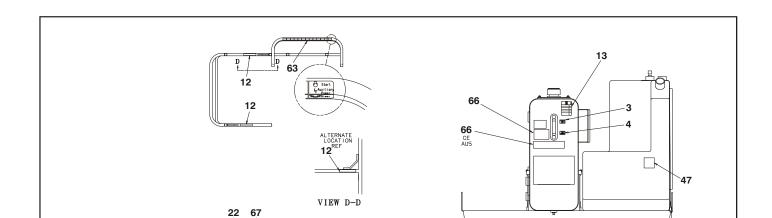














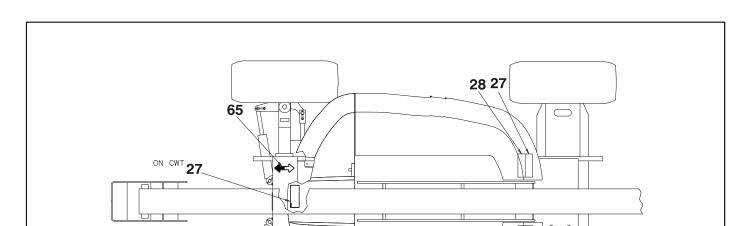




Table 4-1. 600A Decal Legend - Prior to S/N 0300140401

Item #	ANSI 0273891-9	Canadian French 0273893-9	CE 0273895-5	Spanish 0273899-9	Portuguese 0273901-9	Japanese 0273903-10	Australian 1001114388-1
1							
2	1701499	1701499	1701499	1701499	1701499	1701499	1701499
3							
4							
5	1701509	1701509	1701509	1701509	1701509	1701509	1701509
6	1701529	1701529	1701529	1701529	1701529	1701529	1701529



Table 4-1. 600A Decal Legend - Prior to S/N 0300140401

Item #	ANSI 0273891-9	Canadian French 0273893-9	CE 0273895-5	Spanish 0273899-9	Portuguese 0273901-9	Japanese 0273903-10	Australian 1001114388-1
17	3251243	3251243		3251243		3251243	
18							
19							
20							
21		1704006		1704007	1705901		
22	1703953	1703942		1703941	1705903	1703944	
23							
24	1702868	1704000		1704001	1705967		



Table 4-1. 600A Decal Legend - Prior to S/N 0300140401

Item #	ANSI 0273891-9	Canadian French 0273893-9	CE 0273895-5	Spanish 0273899-9	Portuguese 0273901-9	Japanese 0273903-10	Australian 1001114388-1
35	1702818	1702818	1702818	1702818	1702818	1702818	1702818
36	1707014	1707046	1705978	1707048	1707051	1707053	1705978
37	1704096	1704099	1705978	1704098	1706380	1704102	1705978
38							
39	1704885	1704885	1704885	1704885	1704885	1704885	1704885
40	1706948	1706948		1706948	1706948	1706948	
41							
42							



Table 4-1. 600A Decal Legend - Prior to S/N 0300140401

Item #	ANSI 0273891-9	Canadian French 0273893-9	CE 0273895-5	Spanish 0273899-9	Portuguese 0273901-9	Japanese 0273903-10	Australian 1001114388-1
53							
54							
55							
56							
57							
58							
59							
60							



Table 4-2. 600A Decal Legend - S/N 0300140401 to Present

Item #	ANSI 0273891-10	Canadian French 0273893-9	CE 0273895-6	Spanish 0273899-10	Portuguese 0273901-9	Japanese 0273903-11	Australian 1001114388-1	Chinese Simplified 1001116840-3	Chinese Traditional 1001116841-3
1									
2	1701499	1701499	1701499	1701499	1701499	1701499	1701499	1701499	1701499
3									
4									
5	1701509	1701509	1701509	1701509	1701509	1701509	1701509	1701509	1701509
6	1701529	1701529	1701529	1701529	1701529	1701529	1701529	1701529	1701529



Table 4-2. 600A Decal Legend - S/N 0300140401 to Present

Item #	ANSI 0273891-10	Canadian French 0273893-9	CE 0273895-6	Spanish 0273899-10	Portuguese 0273901-9	Japanese 0273903-11	Australian 1001114388-1	Chinese Simplified 1001116840-3	Chinese Traditional 1001116841-3
17	3251243	3251243		3251243		3251243			
18									
19									1001117034
20									1001117035
21		1704006		1704007	1705901				
22	1703953	1703942		1703941	1705903	1703944		1001116845	1703943
23									
24	1702868	1704000		1704001	1705967			1706968	1001116846



Table 4-2. 600A Decal Legend - S/N 0300140401 to Present

Item #	ANSI 0273891-10	Canadian French 0273893-9	CE 0273895-6	Spanish 0273899-10	Portuguese 0273901-9	Japanese 0273903-11	Australian 1001114388-1	Chinese Simplified 1001116840-3	Chinese Traditional 1001116841-3
35	1702818	1702818	1702818	1702818	1702818	1702818	1702818	1702818	1702818
36	1001121813	1001121815	1705978	1001121817	1001121819	1001121820	1705978	1001121824	1001121822
37	1001121800	1001121802	1705978	1001121804	1001121806	1001121807	1705978	1001121811	1001121809
38									
39	1704885	1704885	1704885	1704885	1704885	1704885	1704885	1704885	1704885
40	1706948	1706948		1706948	1706948	1706948			
41									
42									



Table 4-2. 600A Decal Legend - S/N 0300140401 to Present

Item #	ANSI 0273891-10	Canadian French 0273893-9	CE 0273895-6	Spanish 0273899-10	Portuguese 0273901-9	Japanese 0273903-11	Australian 1001114388-1	Chinese Simplified 1001116840-3	Chinese Traditional 1001116841-3
53									
54									
55									
56									
57									
58									
59									
60									



Table 4-3. 600AJ Decal Legend - Prior to S/N 0300140401

Item #	ANSI 0273892-10	Canadian French 0273894-9	CE 0273896-5	Spanish 0273900-10	Portuguese 0273902-9	Japanese 0273904-11	Australian 1001114389-1
1							
2	1701499	1701499	1701499	1701499	1701499	1701499	1701499
3							
4							
5	1701509	1701509	1701509	1701509	1701509	1701509	1701509
6	1701529	1701529	1701529	1701529	1701529	1701529	1701529
7							
_	1						



Table 4-3. 600AJ Decal Legend - Prior to S/N 0300140401

Item #	ANSI 0273892-10	Canadian French 0273894-9	CE 0273896-5	Spanish 0273900-10	Portuguese 0273902-9	Japanese 0273904-11	Australian 1001114389-1
18							
19							
20							
21		1704006		1704007	1705901		
22	1703953	1703942		1703941	1705903	1703944	
23							
24	1702868	1704000		1704001	1705967		
25	1703797	1703924	1705921	1703923	1705895	1703926	1705921



Table 4-3. 600AJ Decal Legend - Prior to S/N 0300140401

Item #	ANSI 0273892-10	Canadian French 0273894-9	CE 0273896-5	Spanish 0273900-10	Portuguese 0273902-9	Japanese 0273904-11	Australian 1001114389-1
36	1707013	1707046	1705978	1707049	1707052	1707054	1705978
37	1701645	1703996	1705978	1707056	1707057	1707059	1705978
38							
39	1704885	1704885	1704885	1704885	1704885	1704885	1704885
40	1706948	1706948		1706948	1706948	1706948	
41							
42							
43							



Table 4-3. 600AJ Decal Legend - Prior to S/N 0300140401

Item #	ANSI 0273892-10	Canadian French 0273894-9	CE 0273896-5	Spanish 0273900-10	Portuguese 0273902-9	Japanese 0273904-11	Australian 1001114389-1
54							
55							
56							
57							
58							
59							
60							
61							



Table 4-4. 600AJ Decal Legend - S/N 0300140401 to Present

Item #	ANSI 0273892-10	Canadian French 0273894-9	CE 0273896-5	Spanish 0273900-10	Portuguese 0273902-9	Japanese 0273904-11	Australian 1001114389-1	Chinese Simplified 1001116842-3	Chinese Traditional 1001116843-3
1									
2	1701499	1701499	1701499	1701499	1701499	1701499	1701499	1701499	1701499
3									
4									
5	1701509	1701509	1701509	1701509	1701509	1701509	1701509	1701509	1701509
6	1701529	1701529	1701529	1701529	1701529	1701529	1701529	1701529	1701529
7									
^									



Table 4-4. 600AJ Decal Legend - S/N 0300140401 to Present

Item #	ANSI 0273892-10	Canadian French 0273894-9	CE 0273896-5	Spanish 0273900-10	Portuguese 0273902-9	Japanese 0273904-11	Australian 1001114389-1	Chinese Simplified 1001116842-3	Chinese Traditional 1001116843-3	
18										1
19									1001117034	1
20									1001117035	1
21		1704006		1704007	1705901					1
22	1703953	1703942		1703941	1705903	1703944		1001116845	1703943	1
23										1
24	1702868	1704000		1704001	1705967			1706968	1001116846	1
25	1703797	1703924	1705921	1703923	1705895	1703926	1705921	1001116847	1703925	



Table 4-4. 600AJ Decal Legend - S/N 0300140401 to Present

Item #	ANSI 0273892-10	Canadian French 0273894-9	CE 0273896-5	Spanish 0273900-10	Portuguese 0273902-9	Japanese 0273904-11	Australian 1001114389-1	Chinese Simplified 1001116842-3	Chinese Traditional 1001116843-3
36	1001121814	1001121816	1705978	1001121818	1001121655	1001121821	1705978	1001121825	1001121823
37	1001121801	1001121803	1705978	1001121805	1001121656	1001121808	1705978	1001121812	1001121810
38									
39	1704885	1704885	1704885	1704885	1704885	1704885	1704885	1704885	1704885
40	1706948	1706948		1706948	1706948	1706948			
41									
42									
43									



Table 4-4. 600AJ Decal Legend - S/N 0300140401 to Present

Item #	ANSI 0273892-10	Canadian French 0273894-9	CE 0273896-5	Spanish 0273900-10	Portuguese 0273902-9	Japanese 0273904-11	Australian 1001114389-1	Chinese Simplified 1001116842-3	Chinese Traditional 1001116843-3
54									
55									
56									
57									
58									
59									
60									
61									



SECTION 5 - EMERGENCY PROCEDURES

SECTION 5. EMERGENCY PROCEDURES

5.1 GENERAL

This section explains the steps to be taken in case of an emergency situation while operating.

5.2 INCIDENT NOTIFICATION

JLG Industries, Inc. must be notified immediately of any incident involving a JLG product. Even if no injury or property damage is evident, the factory should be contacted by telephone and provided with all necessary details.

In USA:

JLG Phone: 877-JLG-SAFE (554-7233)

Failure to notify the manufacturer of an incident involving a JLG Industries product within 48 hours of such an occurrence may void any warranty consideration on that particular machine.

NOTICE

FOLLOWING ANY ACCIDENT, THOROUGHLY INSPECT THE MACHINE AND TEST ALL FUNCTIONS FIRST FROM THE GROUND CONTROLS, THEN FROM THE PLATFORM CONTROLS. DO NOT LIFT ABOVE 10 FT. (3 M) UNTIL YOU ARE SURE THAT ALL DAMAGE HAS BEEN REPAIRED, IF REQUIRED, AND THAT ALL CONTROLS ARE OPERATING CORRECTLY.



SECTION 5 - EMERGENCY PROCEDURES

Cranes, forklift trucks or other equipment can be used to remove platform occupants and stabilize motion of the machine.

Platform or Boom Caught Overhead

If the platform or boom becomes jammed or snagged in overhead structures or equipment, rescue platform occupants prior to freeing the machine.

5.4 EMERGENCY TOWING PROCEDURES

Towing this machine is prohibited, unless properly equipped. However, provisions for moving the machine have been incorporated. For specific procedures, refer to Section 4.

2. To retract the lower boom, turn knob #1, #2 and #4 clockwise until tight. Turn knob #3 counterclockwise 3 turns. Locate a knurled head screw, attached to a wire cable on the right side of the main valve bank assembly. Thread this into the end of the coil assembly that it is attached to. Pump the hand pump until the lower boom is completely lowered. When this operation is complete, remove the knurled head screw from the end of the valve coil. (THE KNURLED HEAD SCREW "MUST" BE REMOVED FROM THE END OF THE VALVE BEFORE NORMAL OPERATION OF THE MACHINE CAN RESUME.)

When this operation has been completed, turn #1, #2, and #4 counterclockwise 3 turns. Turn #3 clockwise



SECTION 6. GENERAL SPECIFICATIONS & OPERATOR MAINTENANCE

6.1 INTRODUCTION

This section of the manual provides additional necessary information to the operator for proper operation and maintenance of this machine.

The maintenance portion of this section is intended as information to assist the machine operator to perform daily maintenance tasks only, and does not replace the more thorough Preventive Maintenance and Inspection Schedule included in the Service and Maintenance Manual.

Other Publications Available:

Service and Maintenance Manual - ANSI Spec (Prior to s/n 0300080000)	. 3120718
Service and Maintenance Manual (Euro Spec) (Prior to s/n 0300080000)	. 3120841
Service and Maintenance Manual - Global Spec (s/n 0300080000 to Present)	. 3121201
Illustrated Parts Manual - ANSI Spec (Prior to s/n 0300068000)	. 3120719
Illustrated Parts Manual - Furo Spec	



6.2 OPERATING SPECIFICATIONS

Table 6-1. Operating Specifications - Prior to S/N 0300140401

Maximum Work Load (Capacity) Unrestricted: Restricted:	500 lb (230 kg) 1000 lb (450 kg)
Maximum Travel Grade (Gradeability) 2WD 4WD	30% 45%
Maximum Travel Grade (Side Slope)	5°
Turning Radius - (outside) 2WS 4WS	17 ft. 8 in. (5.38 m) 11 ft. 8 in. (3.56 m)

Table 6-1. Operating Specifications - Prior to S/N 0300140401

Ground Bearing Pressure	
600A	77 psi (5.4 kg/cm ²)
600AJ	75 psi (5.3 kg/cm ²)
600A - narrow chassis	94 psi (6.6 kg/cm ²)
600AJ - narrow chassis	94 psi (6.6 kg/cm ²)
Maximum Drive Speed - A Models	
2WD	3.6 MPH (5.80 Km/hr.)
4WD	4 MPH (6.44 Km/hr.)
Gross Machine Weight (Approximate)	
600A	21,500 lbs. (9,752 kg)
600AJ	22,200 lbs. (10,025 kg)
600A - narrow chassis	23.900 lbs. (10.841 kg)



Table 6-2. Operating Specifications - S/N 0300140401 to Present

Maximum Work Load (Capacity) - ANSI Unrestricted: Restricted:	500 lb (227 kg) 1000 lb (454 kg)
Maximum Work Load (Capacity) - CE & Australia Unrestricted: Restricted:	500 lb (230 kg) 1000 lb (450 kg)
Maximum Travel Grade (Gradeability) 2WD 4WD	30% 45%
Maximum Travel Grade (Side Slope)	5°

Table 6-2. Operating Specifications - S/N 0300140401 to Present

Maximum Tire Load:	11,500 lbs. (5216 kg)
Ground Bearing Pressure	
600A	77 psi (5.4 kg/cm^2)
600AJ	75 psi (5.3 kg/cm ²)
600A - narrow chassis	94 psi (6.6 kg/cm ²)
600AJ - narrow chassis	94 psi (6.6 kg/cm ²)
Maximum Drive Speed - A Models	
2WD	3.6 MPH (5.80 Km/hr.)
4WD	4 MPH (6.44 Km/hr.)
Gross Machine Weight (Approximate)	
COOA	21 500 lbc (0.752 kg)



Capacities

Table 6-3. Capacities

Fuel Tank	30 U.S. Gallons (113.6 L)
Hydraulic Oil Tank	30.6 Gallons (115.8 L) with 10% air space
Hydraulic System (Including Tank)	36.72 Gallons (139 L)
Torque Hub, Drive*	17 ounces (0.50 L)
Engine Crankcase Ford LRG-425 Gas w/Filter	4.5 quarts (4.25L)

Engine Data

Table 6-4. Continental TMD27 Specifications

idalo o il collinollar l'ilizzi opcollicatione					
Fuel	Diesel				
Oil Capacity w/Filter w/o Filter	7.00 Quarts (6.65 I) 6.00 Quarts (5.7 I)				
Low RPM	1800				
High RPM	2800				
Alternator	63 Amps, Belt Drive				



Table 6-5. Ford LRG-423 Specifications

Fuel	Gasoline
Crankcase Capacity w/Filter w/o Filter	5.00 Quarts (4.73 L) 4.00 Quarts (3.79 L)
Idle RPM	1000
Low RPM	1800
High RPM	2800
Alternator	40 Amp, Belt Drive

Table 6-6. Ford LRG-425 Specifications

Fuel	Gasoline
Crankcase Capacity	4.5 Quarts (4.25 L) w/Filter
Idle RPM	1000
Low RPM	1800
High RPM	2800
Alternator	40 Amp, Belt Drive
Battery	85 Amphour, 550 Cold Cranking Amps, 12 VDC



Table 6-7. Deutz F4M1011F/F4M2011 Specifications

Fuel	Diesel
Oil Capacity Cooling System Crankcase w/Filter Total Capacity	5 Quarts (4.5 L) 11 Quarts (10.5 L) 16 Quarts (15 L)
Idle RPM	1000
Low RPM	1800
High RPM	2800
Alternator	60 Amp, belt drive
Battery	950 Cold Cranking Amps, 205 Minutes Reserve Capacity, 12 VDC

Table 6-8. Deutz D2011L04 Specifications

Fuel	Diesel
Oil Capacity	
Cooling System	5 Quarts (4.5 L)
Crankcase	11 Quarts (10.5 L) w/Filter
Total Capacity	16 Quarts (15 L)
Idle RPM	1000
Low RPM	1800
High RPM	2500
Alternator	60 Amp, belt drive
Battery	950 Cold Cranking Amps, 205 Minutes Reserve Capacity, 12 VDC



Table 6-9. Caterpillar 3044C / 3.4

Туре	Four Stroke Cycle
Cylinders	4 in-line
Bore	3.70 inch (94 mm)
Stroke	4.72 inch (120 mm)
Aspiration	turbocharged
Compression ratio	19:1
Displacement	203 in ³ (3.33 L)
Firing Order	1-3-4-2
Rotation (viewed from flywheel)	Counterclockwise
Oil Capacity (w/filter)	10.6 quarts (10 L)

Table 6-10. GM 3.0L

Fuel	Gasoline or Gasoline/LP Gas
No. of Cylinders	4
BHP Gasoline LP	83 hp @ 3000 rpm 75 hp @ 3000 rpm
Bore	4.0 in. (101.6 mm)
Stroke	3.6 in. (91.44 mm)
Displacement	181 cu.in. (3.0 L, 2966 cc)
Oil Capacity w/filter	4.5 qts. (4.25 L)
Minimum Oil Pressure at idle	6 psi (0.4 Bar) @ 1000 rpm



Tires

Table 6-11. Tire Specifications

Size	14 x 17.5	14 x 17.5	14 x 17.5
Load Range	G	G	*
Ply Rating	14	14	N/A
Tire Pressure	90 PSI (6 Bar)	Foam-Filled	Air-Boss

^{*} Load Capacity - 11,800 lb. (5353 kg) - Static

Dimensional Data

Table 6-12. Dimensional Data

Machine Height (Stowed)	8 ft. 3.75 in. (2.53 m)
Machine Length (Stowed) 600A Over Drive Axle 600AJ Over Drive Axle	26 ft. 5 in. (8.05 m) 28 ft. 11.4375 in. (8.82 m)
Machine Width Standard Narrow Chassis	8 ft. (2.44 m) 7 ft. (2.13 m)
Wheelbase	8 ft. 0 in. (2.44 m)
D 51 11 0004	00 (1 5 0 /0 1 /4 0 40)



Torque Requirements

Table 6-13. Torque Requirements

Description	Torque Value (Dry)	Interval Hours
Bearing To Chassis	See Note	50/600*
Bearing To Turntable	See Note	50/600*
Wire Rope	15 ft. lbs (20 Nm)	150
Wheel Lugs	See Section 6.4	150
Engine Mounting Bolts	165 ft. lbs. (231 Nm)	A/R

Hydraulic Oil

Table 6-14. Hydraulic Oil Specifications

HYDRAULIC SYSTEM OPERATING TEMPERATURE RANGE	SAE VISCOSITY GRADE
+0° to +180° F (-18° C to +83° C)	10W
+0°Fto +210°F(-18°Cto +99°C)	10W-20, 10W-30
+50° F to +210° F (+10° C to +210° C)	20W-20

NOTE: Hydraulic oils must have anti-wear qualities at least to API Service Classification GL-3, and sufficient chemical stability for mobile hydraulic system service. JLG Industries



Aside from JLG recommendations, it is not advisable to mix oils of different brands or types, as they may not contain the same required additives or be of comparable viscosities. If use of hydraulic oil other than Mobilfluid 424 is desired, contact JLG Industries for proper recommendations.

Table 6-15. Mobilfluid 424 Specs

SAE Grade	10W30
Gravity, API	29.0
Density, Lb/Gal. 60°F	7.35
Pour Point, Max -46°F (-43°C)	
Flash Point, Min. 442°F (228°C)	
Via a a situ :	

Table 6-16. Mobil DTE 13M Specs

ISO Viscosity Grade	#32
Specific Gravity	0.877
Pour Point, Max	-40°F (-40°C)
Flash Point, Min.	330°F (166°C)
Visc	osity
at 40° C	33cSt
at 100° C	6.6 cSt
at 100° F	169 SUS
at 210° F	48 SUS
cp at -20° F	6.200



Table 6-17. Exxon Univis HVI 26 Specs

Specific Gravity	32.1	
Pour Point	-76°F (-60°C)	
Flash Point	217°F (103°C)	
Viscosity		
at 40° C	25.8 cSt	
at 100° C 9.3 cSt		
Viscosity Index 376		
NOTE: Mobil/Exxon recommends that this oil be checked on a yearly basis for viscosity.		

Table 6-18. Quintolubric 888-46

Density	0.91 @ 15°C (59°F)
Dour Doint	2000 (405)
Pour Point	<-20°C (<-4°F)
Flash Point	275°C (527°F)
Tidotti olitt	273 0 (327 1)
Fire Point	325°C (617°F)
	020 0 (011 1)
Autoignition Temperature	450°C (842°F)
	, ,
Viscos	ity
at 0° C (32°F) 360 cSt	
o+ 000 C (C00F)	100 oCt
at 20° C (68°F)	102 cSt
at 40° C (104°F)	46 cSt
at 10 0 (1011)	.5 551



Critical Stability Weights

A WARNING

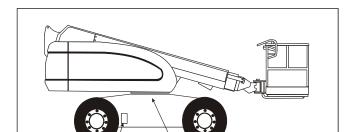
DO NOT REPLACE ITEMS CRITICAL TO STABILITY WITH ITEMS OF DIFFERENT WEIGHT OR SPECIFICATION (FOR EXAMPLE: BATTERIES, FILLED TIRES, COUNTERWEIGHT, ENGINE & PLATFORM) DO NOT MODIFY UNIT IN ANY WAY TO AFFECT STABILITY.

Table 6-19. Critical Stability Weights

	600	AJ	60	0A
	LB.	KG.	LB.	KG.

Serial Number Locations

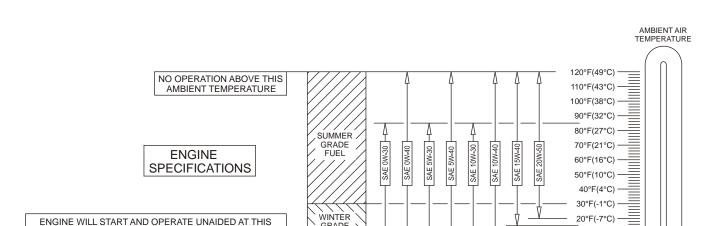
A serial number plate is affixed to the left rear side of the frame. If the serial number plate is damaged or missing, the machine serial number is stamped on the left side of the frame.



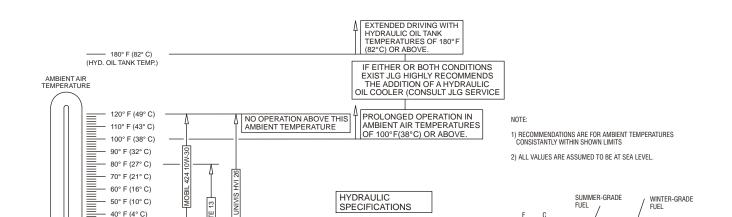


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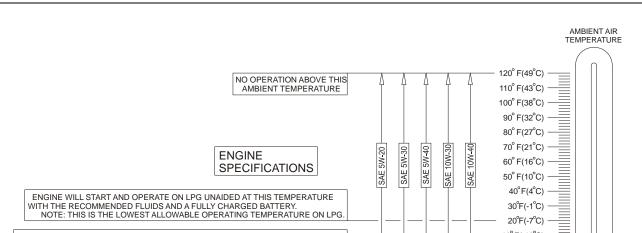




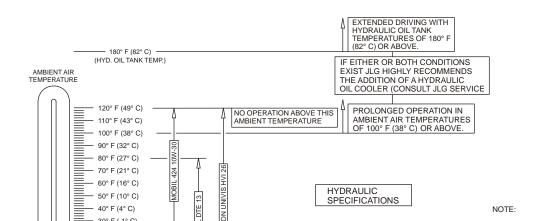




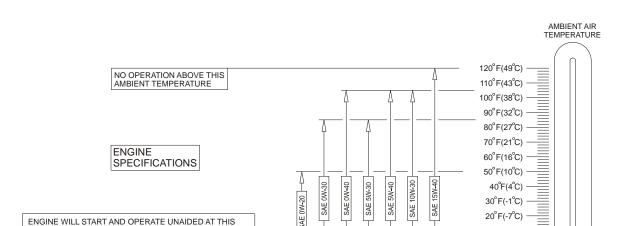




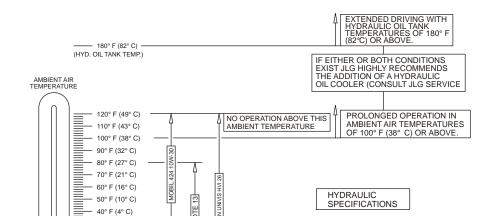


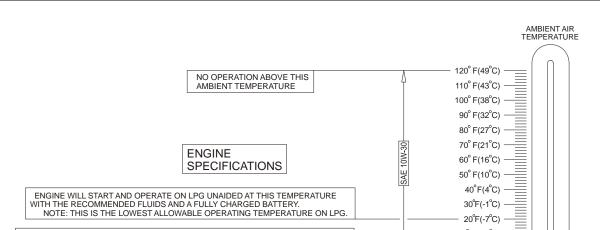




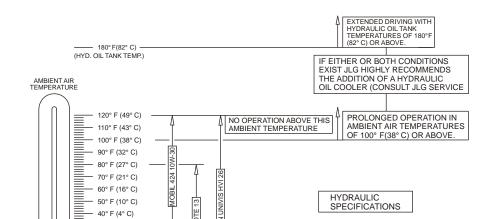




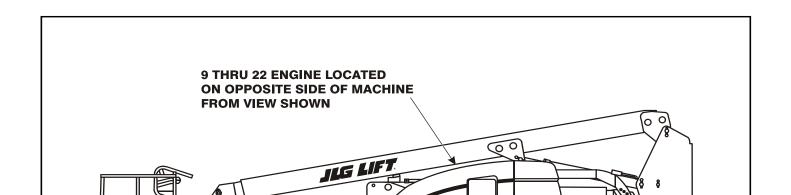












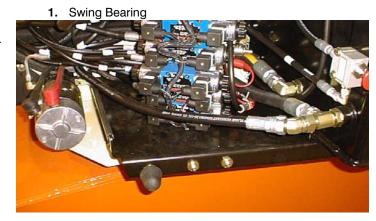


6.3 OPERATOR MAINTENANCE

NOTE: The following numbers correspond to those in Figure 6-10., Lubrication and Maintenance Point Location.

Table 6-20. Lubrication Specifications

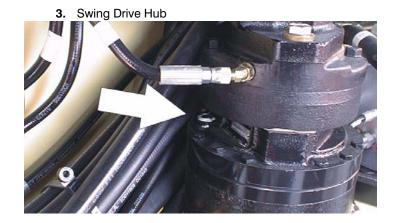
KEY	SPECIFICATIONS
MPG	Multipurpose Grease having a minimum dripping point of 350° F (177° C). Excellent water resistance and adhesive qualities, and being of extreme pressure type. (Timken OK 40 pounds minimum.)
EPGL	Extreme Pressure Gear Lube (oil) meeting API service classification GL-5 or MIL-Spec MIL-L-2105



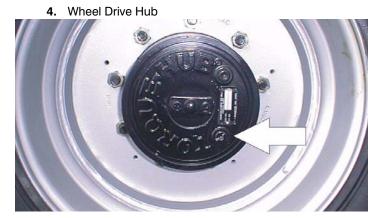


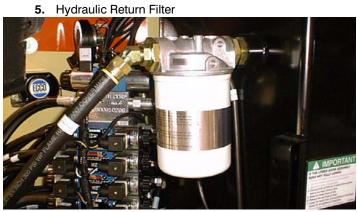
2. Wheel Bearings



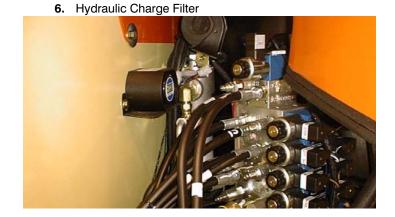


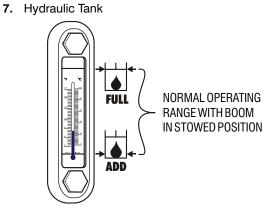














8. Suction Strainers (in tank)

REMOVE FILL CAP PLATE FROM TANK TO GAIN ACCESS TO STRAINERS

9. Oil Change w/Filter - Ford LRG423

Lube Point(s) - Fill Cap/Spin-on Element
Capacity - 5 Quarts
Lube - EO
Interval - 3 Months or 150 hours of operation
Comments - Check level daily/Change in accordance with engine manual.

10. Oil Change w/Filter - Ford LRG425





11. Oil Change w/Filter - Continental

Lube Point(s) - Fill Cap/Spin-on Element
Capacity - 6 Quarts
Lube - EO
Interval - 3 Months or 150 hours of operation
Comments - Check level daily/Change in accordance with engine manual.

12. Oil Change w/Filter - Deutz

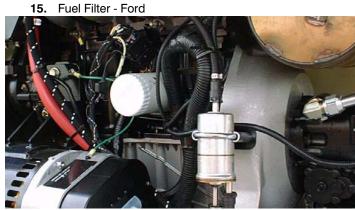


13. Oil Change w/Filter - Caterpillar

Lube Point(s) - Fill Cap/Spin-on Element
Capacity - 10.6 Quarts
Lube - EO
Interval - 3 Months or 150 hours of operation
Comments - Check level daily/Change in accordance with engine manual.









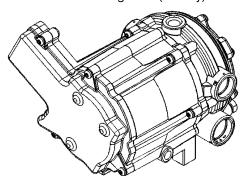
17. Fuel Filter - Deutz







21. Electronic Pressure Regulator (LP only)



Interval - 3 Months or 150 hours of operation

22. Fuel Filter (Propane) - GM Engine



Interval - 3 Months or 150 hours of operation



6.4 TIRES & WHEELS

Tire Inflation

The air pressure for pneumatic tires must be equal to the air pressure that is stenciled on the side of the JLG product or rim decal for safe and proper operational characteristics.

Tire Damage

For pneumatic tires, JLG Industries, Inc. recommends that when any cut, rip, or tear is discovered that exposes sidewall or tread area cords in the tire, measures must be taken to remove the JLG product from service immediately. Arrangements must be made for replacement of the tire or tire assembly.

• any damage to the bead area cords of the tire

If a tire is damaged but is within the above noted criteria, the tire must be inspected on a daily basis to insure the damage has not propagated beyond the allowable criteria.

Tire Replacement

JLG recommends a replacement tire be the same size, ply and brand as originally installed on the machine. Please refer to the JLG Parts Manual for the part number of the approved tires for a particular machine model. If not using a JLG approved replacement tire, we recommend that replacement tires have the following characteristics:

• Faugl or greater plulled rating and size of original



by JLG. Due to size variations between tire brands, both tires on the same axle should be the same.

Wheel Replacement

The rims installed on each product model have been designed for stability requirements which consist of track width, tire pressure, and load capacity. Size changes such as rim width, center piece location, larger or smaller diameter, etc., without written factory recommendations, may result in an unsafe condition regarding stability.

Wheel Installation

It is extremely important to apply and maintain proper wheel mounting torque.

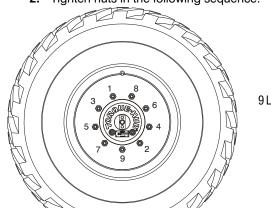
▲ WARNING

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.

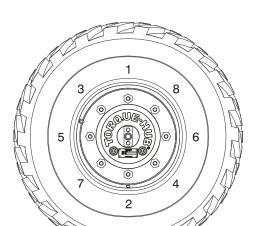
Tighten the lug nuts to the proper torque to prevent wheels from coming loose. Use a torque wrench to tighten the fasteners. If



2. Tighten nuts in the following sequence:



9 LUG PATTERN



8 LUG PATTERN



Table 6-21. Wheel Torque Chart

TORQUE SEQUENCE		
1st Stage	2nd Stage	3rd Stage
40 ft. lbs. (55 Nm)	95 ft. lbs. (130 Nm)	170 ft. lbs. (230 Nm)

4. Wheel nuts should be torqued before first road use and after each wheel removal. Check and torque every 3 months or 150 hours of operation.

6.5 OSCILLATING AXLE LOCKOUT TEST (IF EQUIPPED)

NOTICE

LOCKOUT SYSTEM TEST MUST BE PERFORMED QUARTERLY, ANY TIME A SYSTEM COMPONENT IS REPLACED, OR WHEN IMPROPER SYSTEM OPERATION IS SUSPECTED.

NOTE: Ensure boom is fully retracted, lowered, and centered between drive wheels prior to beginning lockout cylinder test.

1. Place a 6 inches (15.2 cm) high block with ascension



- **4.** Carefully activate Swing control lever and position boom over right side of machine.
- **5.** With boom over right side of machine, place Drive control lever to Reverse and drive machine off of block and ramp.
- Have an assistant check to see that left front wheel remains locked in position off of ground.
- 7. Carefully activate Swing control lever and return boom to stowed position (centered between drive wheels). When boom reaches center, stowed position, lockout cylinders should release and allow wheel to rest on ground, it may be necessary to activate Drive to release cylinders.

- **10.** With boom over left side of machine, place Drive control lever to Reverse and drive machine off of block and ramp.
- **11.** Have an assistant check to see that right front wheel remains locked in position off of ground.
- 12. Carefully activate Swing control lever and return boom to stowed position (centered between drive wheels). When boom reaches center, stowed position, lockout cylinders should release and allow wheel to rest on ground, it may be necessary activate Drive to release cylinders.
- If lockout cylinders do not function properly, have qualified personnel correct the malfunction prior to any fur-



6.6 DRAINING OIL BUILD UP FROM THE PROPANE REGULATOR (PRIOR TO S/N 0300132529)

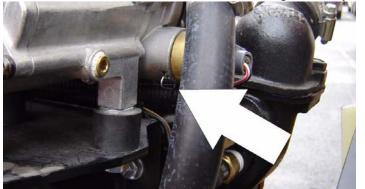
During the course of normal operation oils may build inside the primary and secondary chambers of the propane pressure regulator. These oils may be a result of poor fuel quality, contamination of the fuel supply chain, or regional variation in the make up of the fuel. If the build up of the oil is significant this can effect the operation of the fuel control system. Refer to Section 6.3, Operator Maintenance for maintenance intervals. More frequent draining may be required if the fuel supply has been contaminated.

- **4.** Push in the Emergency Switch once the engine stops.
- 5. Disconnect the electrical connection to the LPG fuel temperature sensor in the auxiliary fuel port of the EPR.





6. Remove the retainer clip for the LPG fuel temperature sensor and remove the sensor from the regulator body.

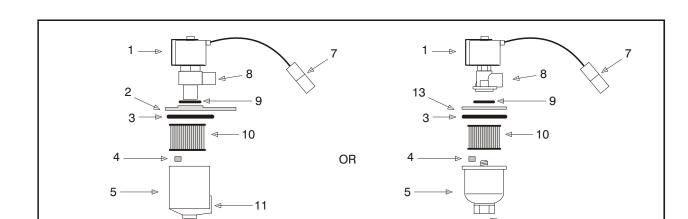


6.7 PROPANE FUEL FILTER REPLACEMENT

Removal

- Relieve the propane fuel system pressure. Refer to Propane Fuel System Pressure Relief.
- 2. Disconnect the negative battery cable.
- 3. Slowly loosen the Filter housing and remove it.
- 4. Pull the filter housing from the Electric lock off assembly.
- 5. Remove the filter from the housing.
- 6. Locate Filter magnet and remove it.







Installation

NOTICE

BE SURE TO REINSTALL THE FILTER MAGNET INTO THE HOUSING BEFORE INSTALLING NEW SEAL

- 1. Install the mounting plate to lock off O-ring seal.
- 2. If equipped, install the retaining bolt seal.
- 3. Install the housing seal.
- 4. Drop the magnet into the bottom of the filter housing.
- 5. Install the filter into the housing.

6.8 PROPANE FUEL SYSTEM PRESSURE RELIEF

A CAUTION

THE PROPANE FUEL SYSTEM OPERATES AT PRESSURES UP TO 312 PSI (21.5 BAR). TO MINIMIZE THE RISK OF FIRE AND PERSONAL INJURY, RELIEVE THE PROPANE FUEL SYSTEM PRESSURE (WHERE APPLICABLE) BEFORE SERVICING THE PROPANE FUEL SYSTEM COMPONENTS.

To relieve propane fuel system pressure:

- Close the manual shut-off valve on the propane fuel tank.
- 2 Start and run the vehicle until the engine stalls



6.9 SUPPLEMENTAL INFORMATION

The following information is provided in accordance with the requirements of the European Machinery Directive 2006/42/ EC and is only applicable to CE machines.

For electric powered machines, the equivalent continuous A-Weighted sound pressure level at the work platform is less than 70dB(A)

For combustion engine powered machines, guaranteed Sound Power Level (LWA) per European Directive 2000/14/EC (Noise Emission in the Environment by Equipment for Use Outdoors) based on test methods in accordance with Annex III, Part B, Method 1 and 0 of the directive, is 104 dB.



NOTES:	

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SECTION 7 - INSPECTION AND REPAIR LOG

SECTION 7. INSPECTION AND REPAIR LOG

Machine Serial Number	

Table 7-1. Inspection and Repair Log

Comments



SECTION 7 - INSPECTION AND REPAIR LOG

Table 7-1. Inspection and Repair Log

Date	Comments					

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⚠ WARNING: **⚠**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

PROPOSITION 65 WARNING

- Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm.
- Batteries also contain other





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