

544G, 544G LL, and 544G TC Loaders 624G Loader 644G Loader (Serial No. 557739-)



JOHN DEERE

OPERATORS MANUAL

544G, 544G LL, and 544G TC Loaders 624G Loader
644G Loader (Serial No. 557739-)

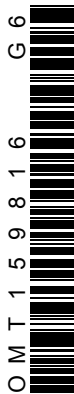
OMT159816 Issue G6 English

John Deere Dubuque Works

OMT159816 Issue G6

(Mark old manual OMT154907 L4 for
machines up to Serial No. 557738)

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ENGLISH



Introduction



-JUN-08SEP92

T7773CX

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your machine may also be available in other languages. (See your John Deere dealer to order.)

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction of forward travel.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Machine Numbers section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these

numbers when you order parts. File the identification numbers in a secure place off the machine.

WARRANTY is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

THE TIRE MANUFACTURER'S warranty supplied with your machine may not apply outside the U.S.

CALIFORNIA PROPOSITION 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

EMISSIONS CONTROL WARRANTY STATEMENT FOR NEW JOHN DEERE INDUSTRIAL EQUIPMENT (U.S. ONLY)

To determine if the engine in your machine qualifies for the additional warranties set forth below, look for the "Engine Information" label located on your engine. If you reside in the United States and the engine label states: "Engine conforms to US EPA regulations on heavy duty non road diesel cycle engines," you are entitled to the "U.S. Emission Control Warranty Statement." If you reside in California, and the engine label states: "Engine conforms to California regulations on heavy duty non road diesel cycle engines," you are entitled to the "California Emission Control Warranty Statement."

U.S. EMISSIONS CONTROL WARRANTY STATEMENT

Emissions control-related parts and components are warranted by John Deere for five years or 3000 hours of operation, whichever occurs first. John Deere further warrants that the engine covered by this warranty was designed, built, and equipped so as to conform at the time of sale with all U.S. emissions standards at the time of manufacture, and that it is free of defects in materials and workmanship which would cause it not to meet these standards within the period of five years or 3000 hours of operations, whichever occurs first.

Warranties stated on this certificate refer only to emissions-related parts and components of your engine. The complete machine warranty, less emissions-related parts and components, is provided separately as "John Deere "Secure Warranty" For New Industrial Products."

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board (CARB) and John Deere are pleased to explain the emission control system on your new engine. In California, new heavy-duty engines must be designed, built and equipped to meet the State's stringent anti-smog standards. John Deere must warrant the emission control system on your engine for the periods of time listed below provided there has been no abuse, neglect, or improper maintenance of your machine.

Your emissions control system includes:

- Fuel Metering System
 - Fuel Injection System
- Air Induction System
 - Intake Manifold
 - Turbocharger System
 - Charge Air Cooling System
- Miscellaneous Items used in Above Systems

Where a warrantable condition exists, i.e. failure due to defect in John Deere-supplied material and/or workmanship, John Deere will repair your heavy-duty engine at no cost to you including diagnosis, parts and labor.

JOHN DEERE'S WARRANTY COVERAGE:

The emission control system of your heavy-duty engine is warranted for five years or 3000 hours of operation, whichever occurs first. If any emission-related part on your engine is defective, the part will be repaired or replaced by John Deere. Warranties stated on this certificate refer only to emissions-related parts and components of your engine. The complete machine warranty, less emissions-related parts and components, is provided separately as the "John Deere "Secure Warranty" For New Industrial Products."

OWNER'S WARRANTY RESPONSIBILITIES:

As the heavy-duty engine owner, you are responsible for the performance of the required maintenance as outlined in the

Operator's Manual. John Deere recommends that you retain all receipts covering maintenance on your heavy-duty engine, but John Deere cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

However, as the heavy-duty engine owner, you should be aware that John Deere may deny you warranty coverage if your heavy-duty engine has failed due to abuse, neglect, improper maintenance or unapproved modifications.

Your engine is designed to operate on diesel fuel only. Use of any other fuel may result in your engine no longer operating in compliance with California's emissions requirements.

You are responsible for initiating the warranty process. The CARB suggests that you present your machine to the nearest authorized John Deere dealer as soon as a problem is suspected. The warranty repairs should be completed by the service dealer as expeditiously as possible.

If you have any questions regarding your warranty rights and responsibilities, you should contact John Deere at 1-319-292-5400.

The warranty period begins on the date the machine is delivered to an ultimate purchaser, or when otherwise put into service. John Deere warrants to the ultimate purchaser and each subsequent purchaser that the engine is designed, built and equipped so as to conform with all applicable regulations adopted by the Air Resources Board, and that it is free from defects in materials and workmanship which would cause the failure of a warranted part.

Any warranted part which is scheduled for replacement as required maintenance by the operator's manual is warranted by John Deere for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement point, the part shall be repaired or replaced under the warranty. Any such part repaired or replaced under warranty is warranted for the remainder of the period prior to the first scheduled replacement point for that part.

Any warranted part which is not scheduled for replacement as required maintenance, or which is scheduled only for regular inspection to the effect of repairing or replacing as necessary, is warranted for the warranty period.

Repair or replacement of a warranted part will be performed at no charge to you by an authorized John Deere dealer. You will not be charged for diagnostic labor which leads to the determination that a warranted part is defective, if the diagnostic work is performed by a John Deere dealer.

John Deere is liable for damages to other engine components caused by failure under warranty of any warranted part.

Any replacement part may be used in the performance of any maintenance or repairs, and such use will not reduce the warranty obligations of John Deere. However, the use of add-on or modified parts are grounds for disallowing a warranty claim.

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HELP!!

Contents

	Page		Page
Safety	05-1	Heating and Air Conditioning Controls	10-18
Safety Signs	06-1	Adjusting Suspension Seat	10-19
Operator's Station		Seat Belt	10-20
Gauges, Indicators, Switches, and		Storage Compartment	10-20
Accessories	10-1	Break-in	
Stop Indicator and Alarm	10-3	Engine Break-In Oil	15-1
Service Required Indicator (Yellow)	10-4	Every 10 Hours or Daily	15-1
Digital Display	10-4	After First 10 and First 50 Hours	15-2
Engine Coolant Temperature Gauge	10-5	After the First 100 Hours	15-2
Fuel Gauge	10-5	Pre-Start Inspection	
Transmission Oil Temperature Gauge	10-5	Inspect Machine Daily Before Starting	20-1
Engine Oil Pressure Indicator	10-6	Operating the Engine	
Alternator Voltage Indicator	10-6	Check Instruments Before Starting	25-1
Engine Air Filter Restriction Indicator	10-6	Brake Pressure Indicator	25-1
Engine Coolant Level Indicator	10-7	Starting the Engine	25-1
Transmission Oil Pressure Indicator—If		Starting Fluid—If Equipped (Cold Weather	
Equipped	10-7	Starting Aid)	25-4
Hydraulic Oil Filter Restriction Indicator	10-7	Using Coolant Heater—If Equipped	25-5
Right Turn Signal Indicator	10-8	Using Booster Batteries—12 Volt System	25-6
Brake Oil Pressure Indicator	10-8	Check Instruments After Starting	25-7
Park Brake Indicator	10-8	Warm-Up	25-7
Fasten Seat Belt Indicator	10-9	Cold Weather Warm-Up	25-8
Ether Injection Indicator	10-9	Stopping the Engine	25-8
Steering Pressure Indicator—If Equipped	10-9	Driving the Machine	
Left Turn Signal Indicator	10-10	Driving on Public Roads	30-1
Levers	10-10	General Driving Precautions	30-2
Front Axle Disconnect Lever—If Equipped	10-11	Front Axle Disconnect—If Equipped	30-2
Pedals	10-12	Neutral Lock	30-3
Park Brake Switch	10-12	Shifting the Transmission	30-3
Neutral Lock	10-13	Travel Speeds	30-5
Horn Button	10-13	Ride Control Switch—If Equipped	30-6
Turn Signal Switch	10-14	Stopping the Machine	30-6
Dome Light and Swivel Light—If Equipped	10-14	Park Brake Switch	30-7
Vandal Shield—If Equipped	10-14	Parking the Machine	30-7
Operating Windshield Wipers and		Operating the Machine	
Washers—If Equipped	10-15		
Adjusting Steering Wheel Tilt	10-15		
Opening Side Window	10-15		
Opening Sliding Side Window—If Equipped	10-16		
Cab Door Release	10-16		
Operating Lights	10-17		

Continued on next page

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A John Deere ILLUSTRATION™ Manual

Contents

Page	Page
Boom and Bucket Control Lever—One Lever Design	35-1
Boom and Bucket Control Lever—Two Lever Design	35-2
Quick Shift Switch	35-3
Quick Coupler Operation—544G TC	35-4
Pin Disconnect Switch—544G TC	35-5
Boom Down Switch	35-5
Clutch Cut-Off Switch—If Equipped	35-5
Secondary Steering—If Equipped	35-6
Differential Lock Pedal—If Equipped	35-6
Adjusting Boom Height Kickout—If Equipped	35-7
Adjusting Return-to-Dig	35-8
General Operating Tips	35-9
Excavating Banks or Stockpiles	35-9
Using the Loader Bucket	35-10
Backdragging	35-12
Backfilling	35-12
Truck Loading	35-13
Transporting	
Transporting Precautions	40-1
Loading Machine on a Trailer	40-1
Towing Procedure—Engine Operational	40-3
Towing Procedure—Engine Non- Operational	40-4
Lifting the Machine	40-7
Fuels and Lubricants	
Diesel Fuel	45-1
Low Sulfur Diesel Fuel Conditioner	45-2
Handling and Storing Diesel Fuel	45-2
Do Not Use Galvanized Containers	45-3
Fuel Tank	45-3
Diesel Engine Oil	45-4
Transmission Oil, Hydraulic System Oil and Differential Oil	45-5
Grease	45-6
Alternative and Synthetic Lubricants	45-6
Lubricant Storage	45-7
Mixing of Lubricants	45-7
Periodic Maintenance	
Service Your Machine at Specified Intervals	50-1
Check the Hour Meter Regularly	50-1
Use Correct Fuels and Lubricants	50-1
Prepare Machine for Maintenance	50-2
Locking Machine Frame	50-3
Boom Lock	50-4
Opening Engine Side Shields and Service Doors	50-4
Opening Grille Door	50-5
Check Windshield Washer Fluid Level	50-5
Maintenance and Repair Record Keeping System	50-6
OILSCAN™	50-7
Maintenance Record Keeping	50-8
.	50-9
Maintenance—As Required	
Check Tire Pressure	55-1
Tire Pressures	55-2
.	55-3
.	55-4
.	55-5
Tighten Wheel Retainer Cap Screws	55-5
Clean or Replace Air Cleaner Elements	55-6
Clean Dusty Primary Element	55-7
Clean Oily or Sooty Primary Element	55-7
Inspect Element	55-8
Check Air Inlet Cover	55-9
Check and Adjust Belt Tension—544G, 624G	55-10
Inspect Serpentine Belt—644G	55-11
Drain Fuel Tank	55-11
Drain and Clean Primary Fuel Filter (Water Separator)—544G, 624G	55-12
Drain and Clean Primary Fuel Filter (Water Separator)—644G	55-13
Check Cab Recirculating Air Filter	55-14
Maintenance—Every 10 Hours or Daily	
Lubricate Pivots	60-1
Clean Air Cleaner Dust Unloader Valve	60-1
Check Engine Oil Level	60-1
Check Recovery Tank Coolant Level	60-3
Check Hydraulic Oil Level	60-3
Check Transmission Oil Level	60-5
Maintenance—Every 100 Hours	
Lubricant Boom, Bucket, and Cylinder Pivots	70-1
Lubricate Boom, Bucket, and Cylinder Pivots—544G TC	70-2
Lubricate Steering Cylinder Pivots	70-4
Lubricate Oscillating Rear Axle	70-5
Check Cab Fresh Air Filter—If Equipped	70-5
Maintenance—Every 250 Hours	
Check Receiver Dryer Moisture Indicator	75-1
Change Engine Oil and Replace Filter	75-2
Check Radiator Coolant Level	75-5

Continued on next page

Contents

Page	Page
Maintenance—Every 500 Hours	
Lubricant Front Driveline	80-1
Check Air Intake Hoses	80-1
Check Battery Electrolyte Level and Terminals	80-2
Check Coolant	80-5
Replace Primary Fuel Filter (Water Separator)	80-6
Replace Final Fuel Filter—544G, 624G	80-7
Replace Final Fuel Filter—644G	80-7
Replace Hydraulic System Return Filter	80-7
Replace Hydraulic Reservoir Breather Filter	80-8
Check Front and Rear Differential Oil Level—If Equipped with Standard Axle	80-9
Check Front and Rear Differential Oil Level—If Equipped with Differential Lock Axle	80-10
Maintenance—Every 1000 Hours	
Lubricate Rear Driveline	85-1
Check Engine Speeds	85-1
Adjust Engine Speed Control Linkage	85-2
Replace Air Cleaner Dust Unloader Valve	85-3
Replace Air Cleaner Elements	85-3
Clean Engine Crankcase Vent Tube (A)	85-4
Change Transmission Oil and Replace Filter	85-5
Check Park Brake	85-7
Adjust Park Brake	85-8
Lubricate Frame Hinge Pivots	85-10
Maintenance—Every 2000 Hours	
Measure and Adjust Engine Valve Lash (Clearance)—544G, LL, TC, 624G	86-1
Adjust Engine Valve Lash (Clearance)— 644G	86-3
Lubricate Front Driveline Support Bearing	86-5
Maintenance—Every 3000 Hours	
Change Hydraulic System Oil	87-1
Clean Hydraulic Suction Strainer	87-2
Replace Differential Lock Return Filter(s)— If Equipped	87-2
Change Front and Rear Differential Oil	87-3
Maintenance	
Draining the Cooling System	90-1
Diesel Engine Coolant	90-3
Coolant drain intervals	90-3
Filling the Cooling System	90-4
Test the Coolant Freeze—Protection Level	90-4
Do Not Service Injection Nozzles	90-5
Do Not Adjust Injection Pump	90-5
Cleaning Fuel Tank Outlet Screen	90-5
Bleeding Fuel System—544G, 624G	90-7
Bleeding Fuel System—644G	90-8
Adjusting Fuel Shut-Off Solenoid—644G	90-8
Precautions for Alternator and Regulator	90-9
Service Batteries Carefully	90-10
Checking Electrolyte Specific Gravity	90-12
Using Battery Charger	90-14
Replacing Batteries	90-14
Removing Batteries	90-15
Replacing Fuses	90-15
Fuse (Blade-Type) Color Codes	90-15
Resetting Circuit Breakers	90-16
Replacing Halogen Bulbs	90-16
Changing Reverse Warning Alarm Volume	90-18
Checking Neutral Start System	90-18
Adding Attachments/Accessories to Roll- Over Protective Structure (ROPS)	90-19
Servicing Air Conditioning System	90-19
Checking and Adjusting Compressor Belt Tension—If Equipped	90-20
Welding on Machine	90-20
Inspecting Park Brake Pads	90-21
External Service Brake Inspection	90-22
Checking Brake Accumulator	90-24
Checking Ride Control Accumulator—If Equipped	90-25
Bleeding Brakes	90-26
Checking Secondary Steering System—If Equipped	90-28
Clutch Cut-Off Adjustment	90-28
Do Not Service Control Valves, Cylinders, Pumps or Motors	90-29
Hardware Torque Specifications	90-30
Keep ROPS Installed Properly	90-30
Metric Bolt and Cap Screw Torque Values	90-31
Additional Metric Cap Screw Torque Values	90-33
Unified Inch Bolt and Cap Screw Torque Values	90-34
Check Oil Lines and Fittings	90-36
Service Recommendations for O-Ring Boss Fittings	90-37
Service Recommendations for Flat Face O- Ring Seal Fittings	90-39
Service Recommendations for Metric Series Four Bolt Flange Fitting	90-40
Service Recommendations for Inch Series Four Bolt Flange Fittings	90-41
Operational Checkout	
Operational Checkout	95-1

Continued on next page

Contents

Page	Page
Monitor Indicator and Gauge Checks—	Control Valve Lift Check 95-19
Engine Off 95-2	Bucket Rollback Circuit Relief Valve Check . . . 95-19
Hourmeter And Gauge Check 95-2	Bucket Dump Circuit Relief Valve Pressure
Battery Check. 95-2	Check. 95-19
Monitor Indicator Circuit And Key Switch	Boom and Bucket Cylinder Drift 95-19
Check. 95-3	Boom Down Check Valve Leakage Check . . . 95-20
Monitor Turn Signals And Hazard Warning	Pilot Controller Check. 95-20
Indicator Checks 95-4	Return-To-Dig Check 95-20
Transmission Controls, Axle and Engine	Boom Height Kickout Check—If Equipped . . . 95-21
Linkages, Neutral Start Switch, and	Pin Disconnect Cylinder Check (544G-TC
Reverse Warning Alarm Switch Checks 95-4	Only) 95-21
Neutral Start And Reverse Warning Alarm	Ride Control Accumulator Check—If
Circuit checks. 95-4	Equipped 95-21
Engine Speed Control Linkage Check—	Steering System Checks 95-22
544G, 624G 95-5	Steering Valve Check. 95-22
Engine Speed Control Linkage Check—	Steering System Leakage Check 95-22
644G 95-5	Priority Valve Low Pressure Check. 95-23
Engine Speed Control Linkage Check—	Priority Valve High Pressure Check 95-23
644G (Continued). 95-5	Secondary Steering System Check—If
Fuel Shut-off Solenoid Linkage Check—	Equipped 95-24
644G 95-6	Secondary Steering System Primary Check
Front Axle Disconnect Check—If Equipped . . . 95-6	Valve Check. 95-24
Monitor Indicator and Gauge Checks	Accessory Checks 95-25
(Engine Running) 95-7	Operating Lights Check 95-25
Monitor Display And Alternator Output	Work Light Check. 95-25
Check. 95-7	Brake Light Check 95-26
Monitor Indicator Circuit Bypass And Seat	Horn Circuit Check 95-26
Belt Indicator Check 95-9	Windshield Washer and Wiper Check—If
Monitor Primary And Secondary Level	Equipped 95-27
Checks. 95-9	Defroster Blower Check 95-27
Transmission Temperature Gauge Check. . . . 95-10	Heater/Air Conditioner Blower Check 95-28
Brake System, Clutch Cut-Off, and	Heater Functional Check 95-28
Differential Lock Checks. 95-10	Air Conditioner Functional Check 95-28
Park Brake Transmission Lockout Check 95-10	Start Aid System Check 95-29
Service Brake Pump Flow Check 95-11	Cab Component and Vandal Protection
Service Brake Check 95-12	Checks. 95-29
Brake Accumulator Precharge Check. 95-12	Cab Door and Window Hold-Open Latch
Brake System Leakage Check 95-13	Check. 95-29
Service Brake Pedal Check 95-13	Cab Door Release Button. 95-30
Service And Park Brake System Drag	Cab Door Lock Check 95-30
Checks. 95-13	Dome Light Check 95-30
Differential Lock Check. 95-14	Cab Window Latch Check 95-31
Clutch Cut-Off Check 95-14	Cab Door Window Check 95-31
Driving Checks 95-15	Steering Column Adjustment Check. 95-31
Transmission Noise Check. 95-15	Seat And Seat Belt Check 95-32
Automatic Shift and Speedometer Check 95-16	Toolbox Door Check. 95-32
Transmission Quickshift Check. 95-17	Air Intake Filter Door Check 95-33
Transmission Pressure, Pump Flow, and	Load Center Door Check 95-33
Leakage Check 95-17	Engine Side Panels Check. 95-33
Transmission Shift Modulation Check. 95-18	Radiator Cap Access Door Check 95-34
Hydraulic System Checks. 95-18	Frame Locking Bar Check 95-34
Hydraulic System Warm-Up Procedure 95-18	
Boom Down Solenoid Valve Check 95-18	

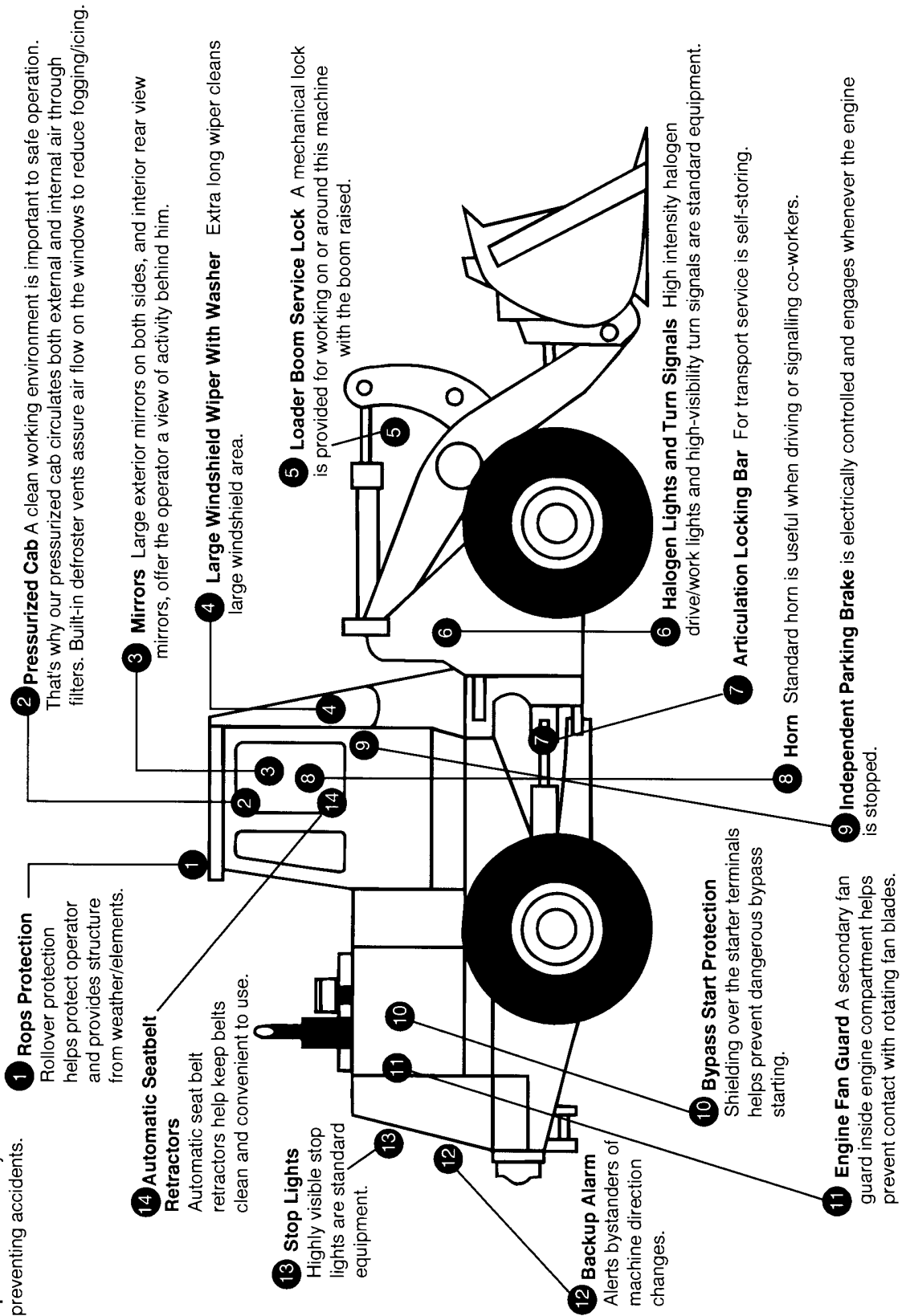
Continued on next page

Contents

	Page
Boom Lock Check	95-34
Service Decal Check	95-34
Troubleshooting	
Using Troubleshooting Charts	100-1
Engine	100-2
Electrical System	100-14
Hydraulic System	100-22
Power Train	100-29
Service Brakes	100-35
Differential Axle	100-37
Driveline	100-39
Park Brake	100-40
Air Conditioning	100-41
Storage	
Prepare Machine for Storage	105-1
Monthly Storage Procedure	105-2
Machine Numbers	
Record Product Identification Number (PIN) . . .	110-1
Record Engine Serial Number—544G	110-1
Record Engine Serial Number—624G	110-1
Record Engine Serial Number—644G	110-1
Record Transmission Serial Number	110-2
Record Hydraulic Pump Serial Number	110-2
Specifications	
544G Specifications	115-1
544G Specifications	115-3
Drain and Refill Capacities—544G	115-5
544G LL Specifications	115-5
544G LL Specifications	115-7
Drain and Refill Capacities—544G LL	115-9
544G TC Specifications	115-9
544G TC Specifications	115-11
Drain and Refill Capacities—544G TC	115-13
624G Specifications	115-13
624G Specifications	115-15
Drain and Refill Capacities—624G	115-17
644G Specifications	115-17
644G Specifications	115-19
Drain and Refill Capacities—644G	115-20
Crime Prevention Tips	120-1
Index	

JOHN DEERE 4WD LOADER SAFETY FEATURES

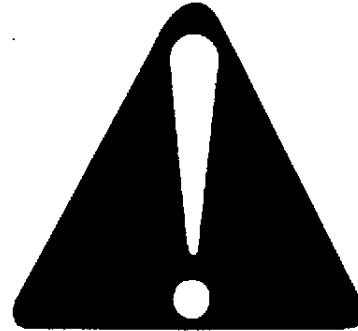
Please remember, the **operator** is the key to preventing accidents.



RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



DX,ALERT -19-03MAR93-1/1

T81389 -UN-07DEC88

UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



DX,SIGNAL -19-03MAR93-1/1

TS187 -19-30SEP88

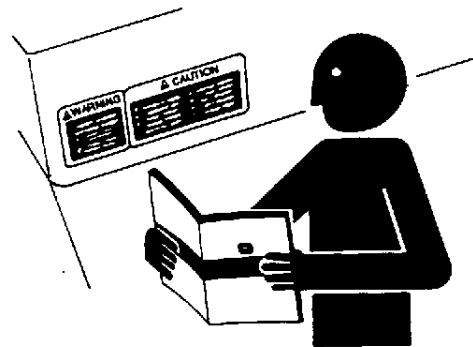
FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.



DX,READ -19-03MAR93-1/1

TS201 -UN-23AUG88

**AVOID INJURY FROM ROLLOVER
ACCIDENTS**

WEAR YOUR SEAT BELT

**DO NOT ATTEMPT TO JUMP CLEAR OF
TIPPING MACHINE—SERIOUS OR FATAL
CRUSHING INJURIES WILL RESULT**

**MACHINE WILL TIP OVER FASTER THAN
YOU CAN JUMP FREE**

To avoid rollovers:

Be careful when operating on a slope.

Avoid sharp turns.

Balance loads so weight is evenly distributed and load is stable.

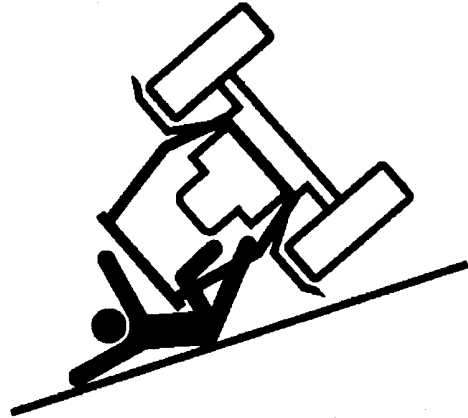
Carry tools and loads close to the ground to aid visibility and lower center of gravity.

Reduce speed before turning or swinging load.

Know capacity of machine. Do not overload.

Be careful when operating at the edge of an excavation, trench, or drop-off, and loading or unloading from a trailer.

Read and understand the operating instructions in this operator's manual.



**USE
SEAT
BELT**

T7242EA -19-22FEB90

TX,05,DH1525 -19-21JUN91-1/1

AVOID INJURY FROM BACKOVER ACCIDENTS

BEFORE MOVING MACHINE, BE SURE ALL PERSONS ARE CLEAR OF AREA

ALWAYS BE ALERT FOR BYSTANDERS MOVING INTO THE WORK AREA. USE HORN OR OTHER SIGNAL TO WARN BYSTANDERS BEFORE MOVING MACHINE

WHEN USING A SIGNAL PERSON, KEEP PERSON IN VIEW AT ALL TIMES. BE SURE SIGNAL PERSON IS CLEAR BEFORE BACKING UP

To avoid backover accidents:

Always look around before you back up. Be sure that everyone is in the clear.

Keep bystanders away from pivot area of an articulated machine.

Keep reverse warning alarm in working condition, if equipped.

Use a signal person when backing up if view is obstructed. Always keep signal person in view.

Learn the meaning of all flags, signs, and markings used on the job, and who has the responsibility for signaling.

Keep windows, mirrors, and lights clean and in good condition.

Dust, heavy rain, fog, etc., can reduce visibility. As visibility decreases, reduce speed and use proper lighting.

Read and understand the operating instructions in this operator's manual.



T7241AY -UN-21FEB90



Suggest:

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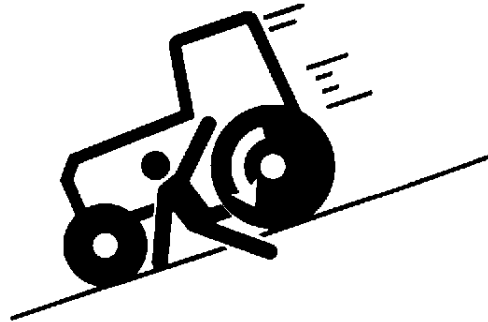
Please download this document first, and then click the above link to download the complete manual.

Thank you so much for reading

AVOID INJURY FROM ROLLAWAY ACCIDENTS

TO PREVENT ROLLAWAY, ALWAYS MAKE SURE MACHINE IS PROPERLY SECURED BEFORE LEAVING OPERATOR'S SEAT

DEATH OR SERIOUS INJURY MAY RESULT IF YOU ATTEMPT TO MOUNT OR STOP A MOVING MACHINE



T7241AZ -UN-21FEB90

To avoid rollaways:

Select level ground when possible to park machine.

Move transmission control lever to neutral "N", engage neutral lock, and engage park brake.

Lower all equipment to ground.

Stop the engine.

Block all wheels if you must park on a grade. Position machine to prevent rolling.

Park a reasonable distance from other machines.

Read and understand the operating instructions in this operator's manual.

TX,05,DH2478 -19-26SEP92-1/1

INSPECT MACHINE

Inspect your machine carefully each day by walking around it before you start it. (See Pre-Start Inspection Chapter.)



T6607AQ -UN-18OCT88

T82,BHSA,CL -19-14MAR90-1/1

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