



BACKHOE SAFETY OPERATION

- 1. Operators should always wear their personal protective equipment.**
- 2. Perform walk-around visual inspection prior to operating the machine.**
- 3. Be aware of and never remove safety decals.**
- 4. Never make alterations to machine's safety components.**
- 5. Make sure the area is clear of all persons before you start operating.**
- 6. Before operating the backhoe, engage the parking brake; lower the front-mounted equipment to the ground. Shift the transmission controls to neutral, lower the stabilizers and level the machine as much as possible.**
- 7. Never anyone but the operator on or in the machine while operating.**
- 8. Never enter, or allow anyone else to enter, the backhoe swing pivot area.**
- 9. Never operate the backhoe controls from the ground.**
- 10. Do not dig under the machine or stabilizers. A cave-in could result, and the machine could fall into the excavation.**
- 11. Be careful that the machine does not roll into the excavation when the stabilizers are raised.**
- 12. Be sure the truck driver is out of the cab and away from the area before loading a truck.**
- 13. Never swing over the truck cab.**
- 14. When operating the backhoe on a slope, swing to the uphill side to dump load, if possible. If downhill dumping is necessary, swing only as far as is required to dump the bucket. Use extreme caution. Support your machine with the stabilizers before your begin digging.**
- 15. Always drop spoil a sufficient distance from the trench to prevent cave-ins.**
- 16. Before moving the machine, always be in the seat. Raise the loader bucket and stabilizers sufficiently to clear the ground and then drive the machine forward. After the machine has been positioned, engage the parking brake and shift transmission controls to neutral. Lower the loader bucket and stabilizers and level the machine**



BACKHOE SAFE WORKING ENVIRONMENT

- 1. Stay in the operator's seat at all times when operating and keep your seat belt/operator restraint fastened when you drive the machine or operate the loader. Be in control of your machine at all times.**
- 2. Keep operator station clean and clear of debris.**
- 3. When working with or around ground personnel always have a plan for communication.**
- 4. Look and listen for malfunctions. Stop if you detect a malfunction or erratic operation.**
- 5. Correct or report trouble immediately.**
- 6. Never allow an untrained or unqualified person to operate the backhoe.**
- 7. Never use a bucket for a work platform or personnel carrier.**
- 8. Always look around before you back up, hook up or swing an attachment.**
- 9. Know the pinch points and rotating parts on the backhoe loader.**
- 10. Take it slow and easy when traveling through congested areas.**
- 11. Give the right of way to loaded machines. Maintain a safe distance from other machines. Pass cautiously.**
- 12. Don't obstruct your vision when traveling or working. Carry the bucket low for maximum stability and visibility while traveling. Operate at speeds slow enough so you have complete control at all times. Travel slowly over rough or slippery ground and on hillsides.**



BACKHOE SAFETY PRECAUTIONS

- 1. Stay in gear when traveling downhill. Do not shift into neutral. Maintain engine rpm to provide steering and braking functions. Use the same gear range for traveling down a grade as you would for traveling up the grade.**
- 2. Always use service brakes and parking brakes carefully and in accordance with the manufacturer's manual(s).**
- 3. When working in hazardous areas, remain extremely alert.**
- 4. When operating the loader, be sure the backhoe is in the transport lock position to prevent backhoe movement.**
- 5. If the backhoe has been removed, make certain the unit has an adequate rear counterweight and follow the manufacturer's recommendations.**
- 6. Use extreme caution when backfilling, since the weight of the fill material plus the weight of the machine could cause new construction to collapse.**
- 7. Never undercut a high bank.**
- 8. When working at the base of a bank or overhang, watch for dangers such as rock or earth slides, overhanging trees or a cave-in.**
- 9. Use extreme caution when working along the top of banks or slopes. Keep away from the edge.**
- 10. Always be alert for power lines, low branches and dead trees.**
- 11. Before entering underpasses, tunnels or bunkers, check for hazards or obstructions. Also check clearance height.**
- 12. Avoid steep slopes or unstable surfaces. If you must drive on a slope, keep the load low and proceed with extreme caution. Do not drive across a steep slope under any circumstances. Drive straight up and down the slope.**
- 13. Avoid turning on an incline if at all possible. If it is necessary, use extreme caution and make the turn wide and slow with the bucket carried low.**
- 14. Be careful when handling objects such as round bales, poles, stumps, sheets of plywood, etc.**
- 15. Lifting too high or rolling the bucket too far back could result in these objects sliding rearward down the loader arms onto the operator.**
- 16. Keep the work area as flat and level as possible. Avoid spinning the machine's wheels and causing dangerous ruts. Use the loader bucket to back drag occasionally to maintain a smooth surface.**



BACKHOE SAFETY CHECKLIST

Operator/Inspector _____ Date _____ Time _____
 Serial Number _____ Machine Hours _____

What are you inspecting?	✓	What are you looking for?	✓	Evaluator Comments
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For more information, please refer to the Operation and Maintenance Manual or any other applicable manuals and instructions for this product.

FROM THE GROUND

Loader Bucket, GET, Retainers	Wear, Damage, Cracks,			
Loader Bucket Cylinder & Linkage	Excessive Wear, Damage, Leaks			
BH Bucket, GET, Retainers	Wear, Damage, Cracks,			
BH Bucket Cylinder & Linkage	Excessive Wear, Damage, Leaks			
BH Stick	Damage, Cracks			
BH Boom, Cylinders	Wear, Damage, Leaks			
BH Pivot	Wear, Damage, Leaks, Grease			
Underneath Machine	Leaks, Damage, Loose Bolts			
Frame	Cracks, Damage			
Steps, Handholds	Condition And Cleanliness			
Lights	Damage, Cleanliness, Direction			
Overall Machine	Loose Or Missing Nuts & Bolts, Loose Guards, Cleanliness			

ON THE MACHINE

Windshield Wipers & Washers	Wear, Damage, Fluid Level			
Engine Coolant	Fluid Level			
Radiator	Fin Blockage, Leaks			
Hydraulic Oil Cooler	Debris, leaks			
Hydraulic Oil Tank	Fluid Level, Damage, Leaks			
Fuel Tank	Fuel Level, Damage, Leaks			
Fire Extinguisher	Charge, Damage			
Mirrors	Damage, Cleanliness			

ENGINE COMPARTMENT

Engine Oil	Fluid Level			
All Hoses	Cracks, Wear Spots, Leaks			
All Belts	Tightness, Wear, Cracks			
Batteries & Hold Downs	Cleanliness, Loose Bolts & Nuts			
Air Filter	Restriction Indicator			
Overall Engine Compartment	Trash Or Dirt Buildup, Leaks			

INSIDE THE CAB

Seat	Adjustment			
Seat Belt & Mounting	Damage, Wear, Adjustment			
Horn, Backup Alarm, lights	Proper Function			
Overall Cab Interior	Cleanliness			