

All CTC Loaders Owner's Manual

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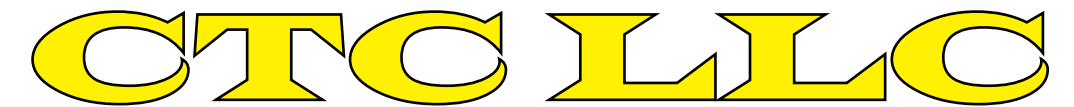
Assembly

Removal

It is the customer's responsibility to read the Owner's manual, to operate, lubricate, maintain and store the product in accordance with all instructions and safety procedures.

It is the customer's responsibility to inspect the product and to have parts repaired or replaced when continued use would cause damage or excessive wear or cause a safety hazard.

It is the customer's responsibility to deliver the product to CTC for service or replacement of parts that are covered under warranty



Limited Warranty

CTC warrants to the original purchaser of any new CTC equipment that the equipment is free from defects in material or workmanship. The obligation of CTC to the purchaser under this warranty is limited to the replacement or repair of the defective parts for the lifetime of the equipment.

The hydraulic cylinders supplied with CTC equipment have a warranty to be free from defects for a period of two (2) years from the date of purchase.

The Limited warranty shall NOT apply if:

- **The unit has been subject to misapplication, abuse, negligence, fire or any other accident.**
- **Parts not made or supplied by CTC that have been used in connection with the unit and the use of those parts affect performance, stability or reliability.**
- **The unit has been altered or repaired outside of CTC in a manner that affects performance or reliability.**
- **The expendable or wear items such as teeth, hydraulic tube lines, fittings, pins or hoses. Replacement parts can be supplied by CTC for a charge including shipping of the replacement parts.**

Important Safety Precautions

In addition to the design of the equipment, accident prevention is dependent upon the awareness, concern and training of personnel operating the equipment. Lack of attention to safety can result in accident, personal injury, reductions of efficiency and even loss of life. Watch for safety hazards and correct deficiencies promptly. Additional safety precautions are discussed throughout this manual for specific operating and maintenance procedures. Read the manual in its entirety and review the safety precautions often until you know and understand the limitations of the equipment.

The Tractor

- Read your tractor operator manual to learn how to operate your tractor safely. Failure to do so could result in serious injury or equipment damage.
- It is recommended that the tractor is equipped with a Roll Over Protection System (ROPS) and a seatbelt be used for all loader operations.
- Add wheel ballast or rear weight for stability, minimum 200 lbs total weight.
- Move wheels to the manufacturers widest setting to increase stability
- Move and turn the tractor at low speeds.

The Loader

- Read the loaders operator manual to learn how to operate your loader safely. Failure to do so could result in serious injury or equipment damage.
- Become familiar with all the machines controls and all caution, warning and danger decals that are affixed to the loader before attempting to use.
- Improper use of the loader could result in injury or death.
- **DO NOT** ever lift or carry anyone in the loader bucket or attachments.
- Never allow anyone under the loader bucket or reach under the booms while the bucket is raised, or the loader is in use.
- Do not walk or work under a raised bucket or attachment unless it is securely blocked or held in position.

Safety Precautions Continued

- Before disconnecting the hydraulic lines or hoses, relieve all hydraulic pressure
- Do not tamper with the relief valve setting. The relief valve is pre-set at the factory. Changing the setting can results in overloading of the loader and tractor and operator injury may result.
- Always wear safety glasses when repairing or servicing the loader.
- Replace damaged or illegible safety decals.
- Do not modify, alter or permit anyone to modify or alter the loader, any of its components or any loader function.

Operating the Loader

- It is the loader owner's responsibility to instruct and have the person read the owner's manual, safety decals and become familiar with the machine before allowing the person to operate the loader.
- Do not allow children to operate the loader.
- Before starting or operating the loader, make a walk around inspection and check for loose or damaged components. Correct any and all deficiencies before use.
- Keep the area of operation clear of all persons, particularly small children. The operator must cease operation whenever anyone comes into the operating area.
- Operate the loader from the "Operators Seat Only".
- Exercise caution when operating the loader with a raised, loaded bucket or forks.
- Avoid loose fill, rocks and holes. These can be dangerous for loader operation and movement.

Operating the Loader Continued

- Be extra cautious when working on inclines.
- Allow for the loader length while making turns.
- Stop the loader arms gradually when lowering or lifting the bucket.
- Use caution when handling loose or shift-able loads.
- Carry loader arms at a low position during transport.
- Lower the loader arms, stop engine, and lock brakes when leaving the tractor seat.
- Operate the loader only when properly seated at the controls.
- Do not use loader for handling large, heavy objects such as logs, oil drums etc.
- Handling large heavy objects is dangerous due to the possibility of rolling the tractor over, possibly upending the tractor or the possibility of the object rolling or sliding down the loader arms onto the operator.

Operating and Safety Instruction



CAUTION



DO NOT LIFT ROUND OBJECTS! Round loads can roll down the loader arms causing serious injury or death to the operator

Safety

Only qualified people familiar with this equipment should operate this machine. Operator should wear safety glasses. The operator should read, understand and practice all safety information shown on the caution, danger and warning decals. That are affixed to the loader.

Check for ditches, stumps, holes or other obstacles that could possibly tip the tractor and/or damage the loader. Fluid and/or weights for rear tires are recommended for additional stability.

Always lower the loader, turn off tractor and set parking brake before dismounting from the machine.

Handling or moving heavy or round objects can be extremely dangerous due to:

- The possibility of rolling the tractor over.
- The possibility of tipping or upending the tractor.
- The load being carried may roll down the boom arms onto the operator.

Always carry the load as low as possible, maintaining adequate ground clearance and visibility. Reduce tractor ground speed when transporting a load. Take extra care when on rough terrain or especially on sloped surfaces.



DO NOT LIFT OR CARRY ANYONE IN THE BUCKET



ENSURE MATERIAL IN THE BUCKET CANNOT ROLL ONTO THE OPERATOR

Introduction and Description

We are pleased to have you as a CTC customer! Your front end loader has been designed to give you maximum service with minimum downtime. This manual is provided to give you the necessary operating and maintenance instructions to keep your loader in top operating condition. Understanding what each control is for and how to use it is critical. Observe all safety precaution decals on the machine and note the safety details throughout the manual for safe operation of this equipment.

Component Design

Our models 3240, 4150, 4200, X4750, X4750+ and 9050 front end loaders are designed to fit the following John Deere garden tractor models:

Model 3240 fits the John Deere 318, 322, 332

Model 4150 fits the 415, 425, 445, 455 including AWS (all wheel steer models)

Model 4200 fits the John Deere 420

Model X4750 fits the X465, X475, X485, X495, X575, X585, X595 and all X700 Ultimate series including AWS from 2002 – 2012

Model X4750+ fits the X730, X734, X738, X739, X750, X754, X758 Signature series from 2013 to current.

Model 9050 fits the John Deere 855 and 955 (all years) if the tractor has the hydraulic system and a joystick control already.

All loaders are intended to lift loose materials that will fit in the bucket. All cylinders are double acting. The grill guard is intended to support the loader when it is removed in the mounting position. No stands are required.



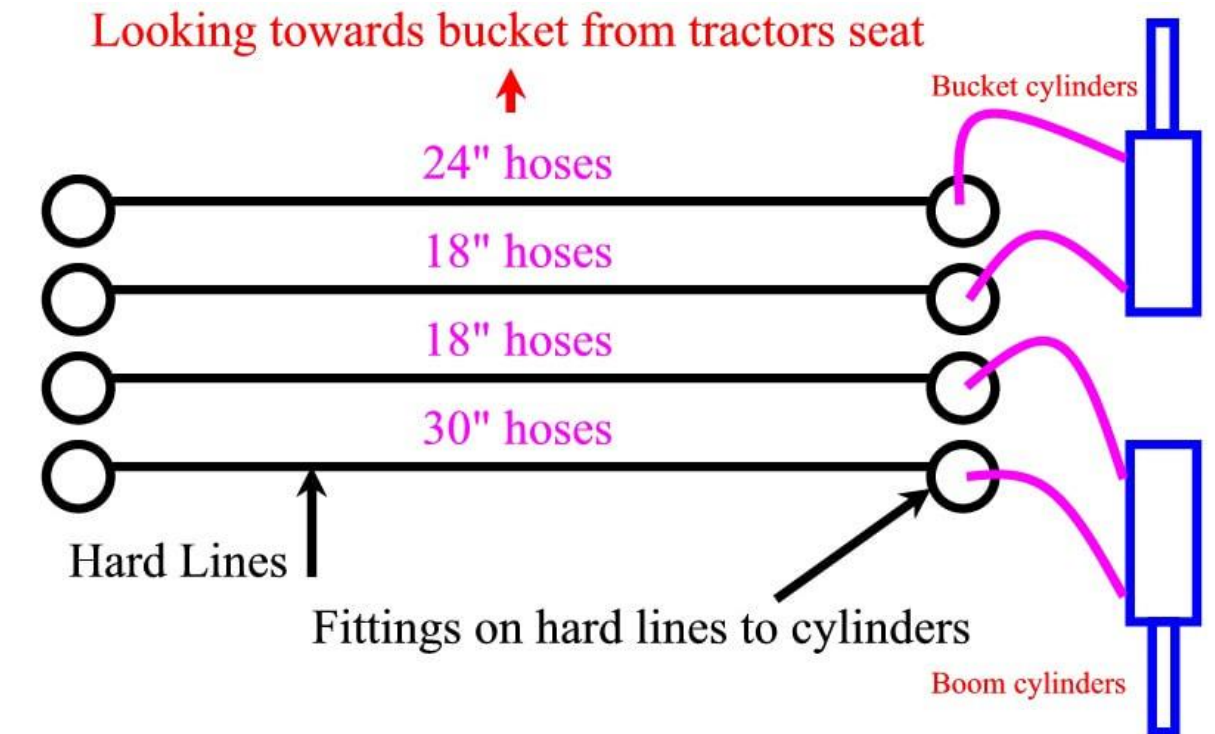
Loader Assembly and Installation

- Attach the loader mount(s) to the frame of the tractor. The 3240 and 4200 have a one-piece mount that bolts to the underside of the frame. The X4750 has a one piece mount that slides through the frame (right to left when sitting on tractor) and the 4150 and X4750+ have a two piece mount, one for the left and one for the right side of the tractor. If you have an AWS tractor the left side mount will be different from the right because it needs to avoid the AWS linkage of that side. See photo below for a 2013 X4750+ AWS mount installation. **DO NOT TIGHTEN THE BOLTS YET!**



- Install the loader main frame, push it back until it seats on the mount(s) tightly. Align the pins in the grill guard into the existing holes in the grille guard of the tractor. Release the lock pins to secure them. Now tighten the mount bolts.
- Lift the booms into place in the uprights. Install 4 1/2" x 3/4" pins and align the lock pin holes with the holes in the bushing. Insert the lock pins.

- Attach the bucket using the 4 1/2" x 3/4" pins and insert the lock pins.
- Install the boom – main frame hydraulics using the 4 1/2" x 3/4" pins. Repeat on the bucket – boom hydraulics. All hydraulics are 14". The boom to main frame hydraulics are to be installed with the rod end toward the operator seat. The bucket to boom hydraulics are to be installed with the rod away from the operator seat.
- Attach the hydraulic hoses to the black hard lines that are already on the booms. See schematic below for hose length and position.



48" hoses connect to other end of hard lines for quick connects

DO NOT OVERTIGHTEN THE HOSE FITTINGS!

The recommended tightening of hoses is no more than 20 ft/lbs per fitting. Hand tighten and then add a quarter turn with two wrenches. One on the hard line and one on the hose. The JIC fittings do not need Teflon tape or pipe sealant. They are metal to metal fittings and are designed to handle the pressure with no leaks.

Check all connections. Start the tractor and leave it at idle to slowly bleed the oil through the hydraulic system to give the air ample time to escape. Check and watch for leaks. The cylinders are already slightly prefilled, but double check the hydraulic fluid in the machine after all hoses are bled. If your machine is topped off, you should not have to add additional fluid.

The hydraulic system is under extreme pressure! Do not place any body part in the path of any leak! This can cause serious injury.

Dismounting Instructions



WARNING



NEVER STAND UNDER THE LOADER WHILE REMOVING FROM OR INSTALLING ON THE TRACTOR

- **Make sure you are on a flat hard surface.**
- **Lower booms.**
- **Position bottom of bucket flat on the ground.**
- **Release both front pins from the front grill guard, leave in unlocked position.**
- **Lower grill guard of loader main frame (by lifting booms) until grill guard is touching the ground. This relieves the pressure off of the upright tanks and mounts.**
- **Slowly back out of the loader (watch the hoses!). Once you are clear of the loader (uprights over the front tires) you can disconnect the four quick connects.**
- **You do not need a stand to keep the loader upright.**

Mounting Instructions

- **Reverse the above steps**

CTC LLC

**157025 E Wausau Avenue
Wausau, WI 54401
715-848-4807
compacttractorandcomponents.com**