

Hejny Rentals, Inc.

Contractor, Lawn & Garden, and Party Equipment Rentals
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TRX15 Toro Tracked Trencher

Safety

Improper use or maintenance by the operator or owner can result in injury. To reduce the potential for injury, comply with these safety instructions and always pay attention to the safety alert symbol, which means: Caution, Warning, or Danger—personal safety instruction. Failure to comply with the instruction may result in personal injury or death.

Safe Operating Practices

This product is capable of amputating hands and feet. Always follow all safety instructions to avoid serious injury or death.

Engine exhaust contains carbon monoxide, an odorless, deadly poison that can kill you.

Do not run the engine indoors or in an enclosed area.

Training

- Read the *Operator's Manual* and other training material. If the operator(s) or mechanic(s) can not read English, it is the owner's responsibility to explain this material to them.
- Become familiar with the safe operation of the equipment, operator controls, and safety signs.
- All operators and mechanics should be trained. The owner is responsible for training the users.
- Never let children or untrained people operate or service the equipment. Local regulations may restrict the age of the operator.
- The owner/user can prevent and is responsible for accidents or injuries occurring to himself or herself, other people or property.

Preparation

- Evaluate the terrain to determine what accessories and attachments are needed to properly and safely perform the job. Only use accessories and attachments approved by the manufacturer.
- Wear appropriate clothing including hard hat, safety glasses, long pants, safety shoes, and hearing protection. Long hair, loose clothing or jewelry may get tangled in moving parts.
- Inspect the area where the equipment is to be used and remove all objects such as rocks, toys, and wire which can be thrown by the machine.
- Use extra care when handling gasoline and other fuels. They are flammable and vapors are explosive.
 - Use only an approved container
 - Never remove the gas cap or add fuel with the engine running. Allow the engine to cool before refueling. Do not smoke.
 - Never refuel or drain the machine indoors.
- Check that the operator presence controls, safety switches, and shields are attached and functioning properly. Do not operate unless they are functioning properly.

Operation

- Never run an engine in an enclosed area.
- Only operate in good light, keeping away from holes and hidden hazards.
- Be sure all drives are in neutral and the parking brake is engaged before starting the engine. Only start the engine from the operator's position.
- Slow down and use extra care on hillsides. Be sure to travel in the recommended direction on hillsides.

Turf conditions can affect the machine's stability.

- Slow down and use caution when making turns and when changing directions on slopes.
- Never operate with the guards not securely in place. Be sure all interlocks are attached, adjusted properly, and functioning properly.
- Do not change the engine governor setting or overspeed the engine.
- Stop on level ground, lower the boom, disengage the trencher hydraulics, engage the parking brake, and shut off the engine before leaving the operator's position for any reason.
- Keep hands and feet away from the moving chain, digging teeth, and spoils auger.
- Look behind and down before backing up to be sure of a clear path.
- Never carry passengers and keep pets and bystanders away.
- Slow down and use caution when making turns and crossing roads and sidewalks.
- Do not operate the machine under the influence of alcohol or drugs.
- Use care when loading or unloading the machine into a trailer.
- Use care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.
- Ensure that the area is clear of other people before operating the machine. Stop the machine if anyone enters the area.

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- Never leave a running machine unattended. Always lower the boom, stop the engine, set the parking brake, and remove the key before leaving.
- Never jerk the controls; use a steady motion.
- Watch for traffic when operating near or crossing roadways.
- Do not touch parts which may be hot from operation. Allow them to cool before attempting to maintain, adjust, or service.
- Ensure that you operate the machine in areas where there are no obstacles in close proximity to the operator. Failure to maintain adequate distance from trees, walls, and other barriers may result in injury as the machine backs up during operation if the operator is not attentive to the surroundings. Only operate the unit in areas where there is sufficient clearance for the operator to safely maneuver the product.
- Before digging, have the area marked for underground utilities, and do not dig in marked areas.
- Locate the pinch point areas marked on the machine and keep hands and feet away from these areas.

Slope Operation

Slopes are a major factor related to loss-of-control and tip-over accidents, which can result in severe injury or death. All slopes require extra caution.

- Do not operate the machine on hillsides or slopes exceeding the angles recommended in the following table.

Front Facing Uphill - 15°

Rear Facing Uphill - 14°

Side Facing Uphill - 19°

• Operate up and down slopes with the front end of the machine uphill.

- Remove obstacles such as rocks, tree limbs, etc. from the work area. Watch for holes, ruts, or bumps, as uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Use only Toro-approved accessories. Accessories can change the stability and the operating characteristics of the machine. Warranty may be voided if used with unapproved accessories.
- Keep all movements on slopes slow and gradual. Do not make sudden changes in speed or direction.
- Avoid starting or stopping on a slope. If the machine loses traction, proceed slowly, straight down the slope.
- Avoid turning on slopes. If you must turn, turn slowly and keep the heavy end of the machine uphill.
- Do not operate near drop-offs, ditches, or embankments. The machine could suddenly turn over if a track goes over the edge of a cliff or ditch, or if an edge caves in.
- Do not operate on wet grass. Reduced traction could cause sliding.
- Do not park the machine on a hillside or slope without lowering the boom to the ground, setting the parking brake, and chocking the tracks.

Starting and Stopping the Engine

Starting the Engine

1. Move the throttle lever midway between Slow and Fast positions.
2. Move the choke lever to the On position.

Note: A warm or hot engine may not require choking.

3. Start the engine as follows:

- Turn the key to the On position then pull the recoil handle to start the engine.
4. Gradually move the choke lever to the Off position. If the engine stalls or hesitates, engage the choke again until the engine warms up.
 5. Move the throttle lever to the desired setting.

Important: If the engine is run at high speeds when the hydraulic system is cold (i.e., when the ambient air temperature is near freezing or lower), hydraulic system damage could occur.

When starting the engine in cold conditions, allow the engine to run in the middle throttle position for 2 to 5 minutes before moving the throttle to fast (rabbit).

Note: If the outdoor temperature is below freezing, store the machine in a garage to keep it warmer and aid in starting.

Stopping the Engine

1. Move the throttle lever to the Slow position.
2. Lower the boom.
3. Turn the key off.

Note: If the engine has been working hard or is hot, let it idle for a minute before turning the ignition key off. This helps cool the engine before it is stopped. In an emergency, the engine may be stopped immediately.

4. Remove the key.

Stopping the Machine

To stop the machine, release the traction control, move the throttle lever to slow (turtle), lower the boom to the ground, and stop the engine. Set the parking brake and remove the key.

A child or untrained bystander could attempt to operate the machine and be injured.

Remove the key from the switch when leaving the machine, even if just for a few seconds.

Moving a Non-functioning Machine

Important: Do not tow or pull the machine without first opening the tow valves, or the hydraulic system will be damaged.

1. Stop the engine.
2. Remove the bottom shield.
3. Using a wrench, turn the tow valves on the hydraulic pumps twice counter-clockwise.

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4. Install the bottom shield and tow the machine as required.
5. When the machine has been repaired, close the tow valves before operating it.

Digging a Trench

1. Start the engine, raise the boom, set the throttle lever to the Fast position, and move the machine over the area to be trenched.
2. Pull the trencher control lever to the reference bar to engage the trencher.
3. Slowly lower the boom and chain into the ground.

Note: To achieve the maximum depth, you may need to lower the boom as far into the ground as it will go with the chain running. Then, stop the chain and lower it fully. Start the chain again and resume operation.

4. Once the trencher boom is in the ground at a 45 to 60 degree angle, slowly move the traction unit rearward to extend the trench.

Note: If you move too fast, the trencher will stall. If it stalls, raise it slightly, slowly drive forward, or reverse the chain direction momentarily.

5. When finished, raise the boom out of the trench, then stop the trencher.

Securing the Machine for Transport

When transporting the machine on a trailer, always use the following procedure:

Important: Do not operate or drive the machine on roadways.

1. Stop the engine.
2. Lower the boom.
3. Secure the machine to the trailer with chains or straps using the tie-down/lift loops at the front and rear of the machine. Refer to your local ordinances for trailer and tie-down requirements.

Operating Tips

- Clean the area of trash, branches and rocks before trenching to prevent equipment damage.
- Always begin trenching with the slowest ground speed possible. Increase speed if conditions permit. If the chain speed slows down, reduce ground speed to keep the chain moving at its fastest rate. Do not spin the tracks while trenching.
- Always use full throttle (maximum engine speed) when trenching.
- Always trench backwards (i.e., in reverse).
- Trench at a 45 to 60 degree angle for best results.
- You will be able to dig a trench faster by controlling the depth with periodic adjustments of the boom.
- If the trencher binds in the soil, reverse the chain direction. Once the chain is loose, change chain directions and continue trenching.

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