Form No. 3420-756 Rev A

TORO®

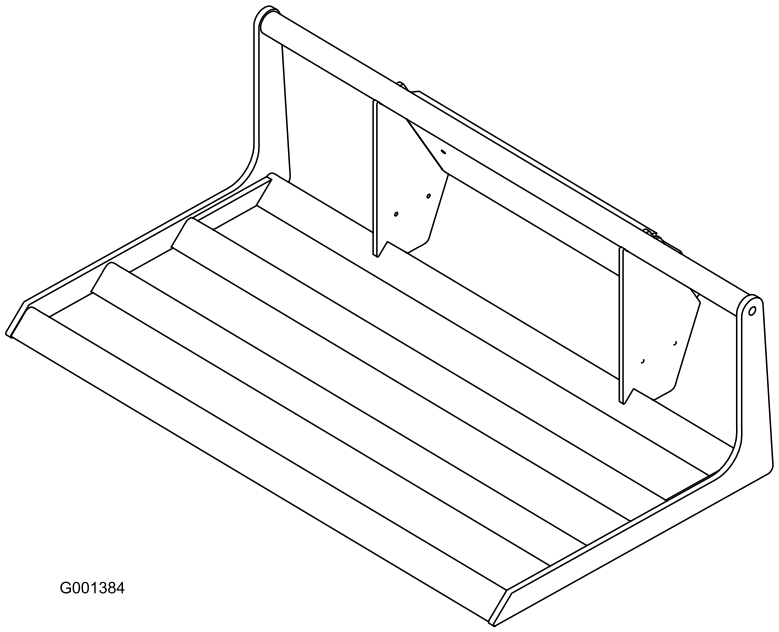
Count on it.

Operator's Manual

Leveler

Compact Tool Carriers

Model No. 23165—Serial No. 402000000 and Up



G001384

Register at www.Toro.com.
Original Instructions (EN)

3420-756 A

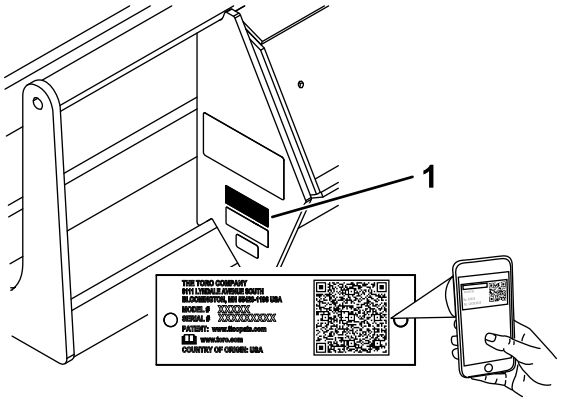
Introduction

Read this information carefully to learn how to operate and maintain your product properly and to avoid injury and product damage. You are responsible for operating the product properly and safely.

You may contact Toro directly at www.Toro.com for product safety and operation training materials, accessory information, help finding a dealer, or to register your product.

Whenever you need service, genuine Toro parts, or additional information, contact an Authorized Service Dealer or Toro Customer Service and have the model and serial numbers of your product ready. Figure 1 identifies the location of the model and serial numbers on the product. Write the numbers in the space provided.

Important: **With your mobile device, you can scan the QR code on the serial number decal (if equipped) to access warranty, parts, and other product information.**



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Figure 1

1. Location of the model and serial number

Model No. _____

Serial No. _____

This manual identifies potential hazards and has safety messages identified by the safety-alert symbol (Figure 2), which signals a hazard that may cause serious injury or death if you do not follow the recommended precautions.



sa-black

Figure 2

1. Safety-alert symbol

This manual uses 2 words to highlight information. **Important** calls attention to special mechanical information and **Note** emphasizes general information worthy of special attention.

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Safety

⚠ DANGER

There may be buried utility lines in the work area. Digging into them may cause a shock or an explosion.

Have the property or work area marked for buried lines and do not dig in marked areas. Contact your local marking service or utility company to have the property marked (for example, in the US, call 811 or in Australia, call 1100 for the nationwide marking service).

General Safety

Always follow all safety instructions to avoid serious injury or death.

- Always carry the attachment close to the ground; refer to Transport Position (page 5).
- Have the property or work area marked for buried lines and other objects, and do not dig in marked areas.
- Read and understand the content of this *Operator's Manual* before starting the engine.
- Use your full attention while operating the machine. Do not engage in any activity that causes distractions; otherwise, injury or property damage may occur.
- Never allow children or untrained people to operate the machine.
- Keep your hands and feet away from the moving components and attachments.
- Do not operate the machine without the guards and other safety protective devices in place and working on the machine.
- Keep bystanders and pets a safe distance away from the machine.
- Stop the machine, shut off the engine, and remove the key before servicing, fueling, or unclogging the machine.

Improperly using or maintaining this machine 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 these instructions may result in personal injury or death.

You can find additional safety information where needed throughout this *Operator's Manual*.

Slope Safety

- **Operate the machine up and down slopes with the heavy end of the machine uphill.** Weight distribution changes with attachments. An empty attachment makes the rear of the machine the heavy end, and a full attachment makes the front of the machine the heavy end. Most other attachments make the front of machine the heavy end.
- **Keep the attachment in the lowered position when on slopes.** Raising the attachment on a slope affects the stability of the machine.
- Slopes are a major factor related to loss of control and tip-over accidents, which can result in severe injury or death. Operating the machine on any slope or uneven terrain requires extra caution.
- Establish your own procedures and rules for operating on slopes. These procedures must include surveying the site to determine which slopes are safe for machine operation. Always use common sense and good judgment when performing this survey.
- Slow down and use extra care on hillsides. Ground conditions can affect the stability of the machine.
- 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.
- Keep all movements on slopes slow and gradual. Do not make sudden changes in speed or direction.
- If you feel uneasy operating the machine on a slope, do not do it.
- Watch for holes, ruts, or bumps, as uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Use caution when operating on wet surfaces. Reduced traction could cause sliding.
- Do not operate the machine near drop-offs, ditches, embankments, or bodies of water. The machine could suddenly roll over if a wheel or track goes over the edge or the edge caves in. Maintain a safe distance between the machine and any hazard.
- Do not remove or add attachments on a slope.
- Do not park the machine on a hillside or slope.

Attachment Safety

- Always lower the attachment each time you shut off the machine or leave the operating position.
- Clean any dirt or debris that may hinder connecting the attachment to the machine. Ensure that the attachment-locking pins are fully seated in the holes of the attachment-mount plate. Refer to the *Operator's Manual* for the machine for detailed information on safely connecting an attachment to your machine.
- When lifting the attachment keep it level and prevent the load from spilling backward.
- Do not allow anyone to stand on the attachment or ride it in any way.
- For wheeled traction units, the attachment can be used with or without the counterweight.

Maintenance and Storage Safety

- Check fasteners at frequent intervals for proper tightness to ensure that the equipment is in safe operating condition.
- Refer to the *Operator's Manual* for important details if you store the attachment for an extended period of time
- Maintain or replace safety and instruction labels, as necessary.

Safety and Instructional Decals

Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or missing.



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1. Tipping hazard—read the *Operator's Manual*; do not exceed loads of 150 kg (330 lb); for TX 413 models, do not exceed loads of 100 kg (220 lb).

Product Overview

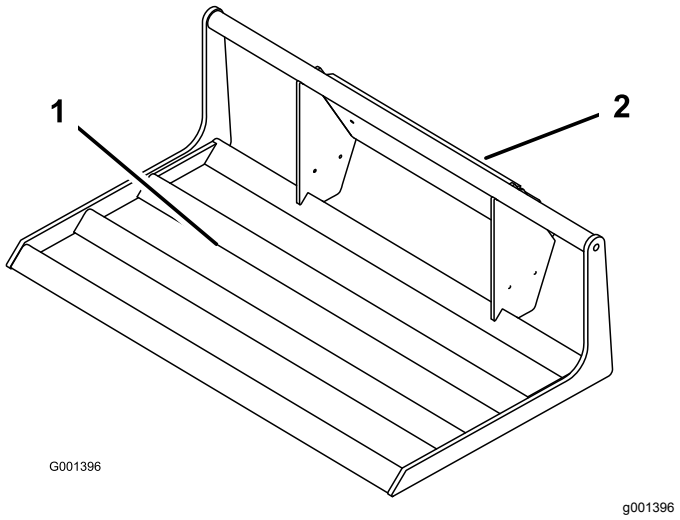


Figure 3

1. Leveler
2. Attachment plate

Specifications

Note: Specifications and design are subject to change without notice.

Overall width	80 cm (31 inches)
Overall length	105 cm (41 inches)
Overall height	69 cm (27 inches)
Weight	74 kg (162 lb)
Load rating capacity (per SAE J1197)	150 kg (330 lb) 100 kg (220 lb) for TX 413 models

To best protect your investment and maintain optimal performance of your Toro equipment, count on Toro genuine parts. When it comes to reliability, Toro delivers replacement parts designed to the exact engineering specification of our equipment. Use only Toro genuine parts.

Operation

Installing and Removing the Attachment

Refer to the *Operator's Manual* for the traction unit for the installation and removal procedure.

Important: **Before installing the attachment, position the machine on a level surface, ensure that the mount plates are free of any dirt or debris, and ensure that the pins rotate freely. If the pins do not rotate freely, grease them.**

Note: Always use the traction unit to lift and move the attachment.

⚠ WARNING

If you do not fully seat the quick-attach pins through the attachment mount plate, the attachment could fall off the machine, crushing you or bystanders.

Ensure that the quick-attach pins are fully seated in the attachment mount plate.

Leveling the Ground

When leveling the ground, angle the leveler slightly to keep the forward edge higher than the rear edge. Therefore, when driving the traction unit forward, the edge farthest from the traction unit should be higher; when driving in reverse, the edge closest to the traction unit should be higher.

Transport Position

When transporting the attachment, keep it as close to the ground as possible, no more than 15 cm (6 inches) above the lowest position. Tilt it rearward.

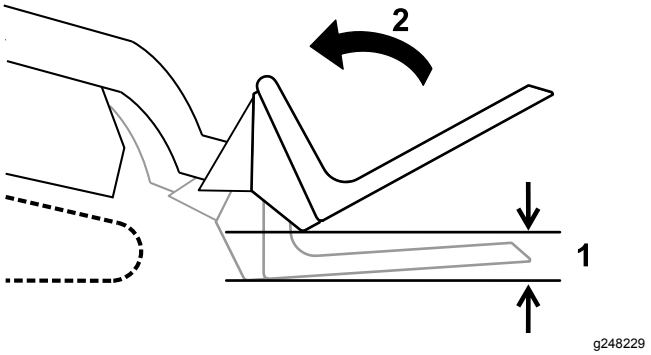


Figure 4

1. No more than 15 cm (6 inches) above the lowest position
2. Tilt the attachment rearward.

Operating Tips

- You can use the leveler to haul container-grown trees, shrubs, and other bulky materials.
- Position a load as close to the rear of the leveler as possible to maximize lifting capability.
- When transporting a load, keep the leveler as close to the ground as possible.
- Never attempt to lift more than the rated lift capacity of the traction unit.

Storage

1. Before long-term storage, wash the attachment with mild detergent and water to remove dirt and grime.
2. Paint all scratched or bare metal surfaces.

   Note: Paint is available from your Authorized Service Dealer.
3. Store the attachment in a clean, dry garage or storage area. Cover it to protect it and keep it clean.

Notes:



Count on it.