Form No. 3356-249 Rev B

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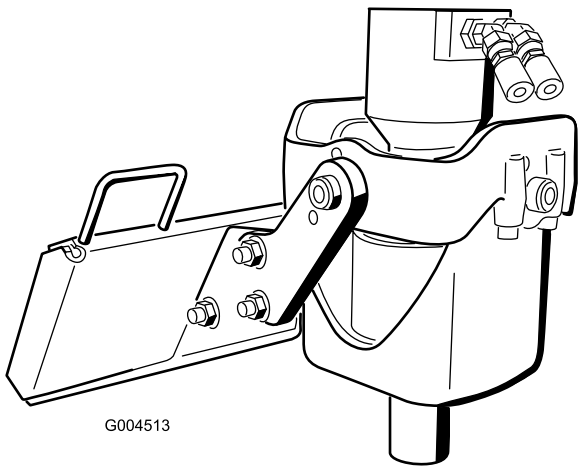
Operator's Manual

Auger and Universal Swivel Auger Drive Head

for Compact Utility Loaders

Model No. 22805—Serial No. 270000001 and Up

Model No. 22806—Serial No. 270000001 and Up



G004513

CE

Register at www.Toro.com.

Original Instructions (EN)

There may be buried power, gas, and/or telephone lines in the work area. Shock or explosion may occur if you dig into them.

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 United States, call 811 for the nationwide marking service).

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 and 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. On augers and extensions, the model and serial number plate is located on the upper portion of the shaft. Write the numbers in the space provided.

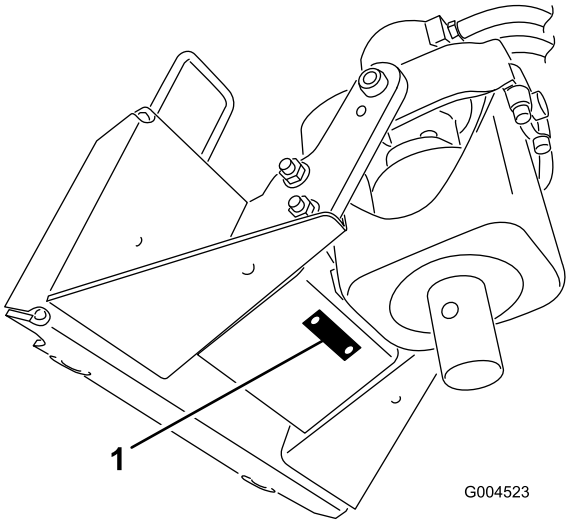


Figure 1

1. Model and serial number location

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.



Figure 2

1. Safety alert symbol

This manual uses 2 other 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

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 those in the traction unit *Operator's Manual*. 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.

Contact with a moving auger can cause entanglement, severe wounds, and/or death.

Keep all others at least 10 feet away from the auger during operation. Also, do not replace the supplied bolt which secures the auger to the drive head with a longer bolt as this may increase the chance for entanglement.

There may be buried power, gas, and/or telephone lines in the work area. Shock or explosion may occur if you dig into them.

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 United States, call 811 for the nationwide marking service).

When the engine is off, attachments in the raised position can gradually lower. Someone nearby may be pinned or injured by the attachment as it lowers.

Always lower the attachment lift each time you shut off the traction unit.

When going up or down hill, the machine could overturn if the heavy end is toward the downhill side. Someone may be pinned or seriously injured by the machine if it overturns.

Operate up and down slopes with the heavy end of the machine uphill. An attached auger bit will make the front end heavy.

Stability Ratings

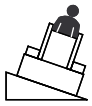
To determine the degree of slope you can traverse with the auger installed on a traction unit, find the stability rating for the hill position you want to travel in the appropriate table below, then find the degree of slope for the same rating and hill position in the Stability Data section of the traction unit *Operator's Manual*.

Exceeding the maximum recommended slope can cause the traction unit to tip, crushing you or bystanders.

Do not drive the traction unit on a slope steeper than the maximum recommended slope, as determined in the following tables and the traction unit *Operator's Manual*.

Stability with a 12 to 30 inch Auger

Important: **If you have a traction unit other than a TX compact utility loader, use the counterweight on the traction unit when using the auger drive head with a large auger installed. Failure to use the counterweight will cause the traction unit to become unstable.**

Orientation	Stability Rating
Front Uphill 	D
Rear Uphill 	D
Side Uphill 	C

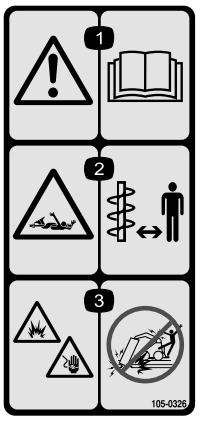
Stability Without an Auger or with an Auger Smaller than 12 inches

Important: **If you have a traction unit other than a TX compact utility loader, do not use the counterweight on the traction unit when using the auger drive head without an auger or with an auger smaller than 12 inches. If you use the counterweight, the traction unit will be less stable in the front and side uphill positions.**

Orientation	Stability Rating
Front Uphill 	D
Rear Uphill 	C
Side Uphill 	B

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 lost.



105-0326

1. Warning—read the *Operator's Manual.*
2. Entanglement hazard, auger—keep bystanders a safe distance from the auger.
3. Explosion and/or electric shock hazard—do not dig in areas with buried gas or power lines.

Product Overview

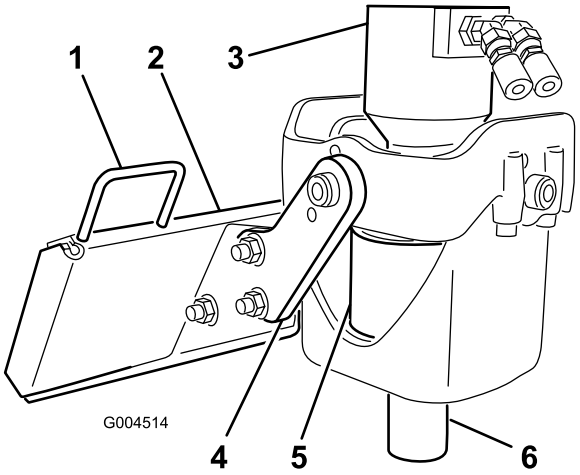


Figure 3

1. Hose guide
2. Mounting plate
3. Motor
4. Cradle arm
5. Drive head
6. Drive shaft

Specifications

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

Model 22805	
Width	24.3 inches (62 cm)
Length	15.8 inches (40 cm)
Height	23.3 inches (59 cm)
Weight	182 lb (83 Kg)

Model 22806	
Width	24.3 inches (62 cm)
Length	16.5 inches (42 cm)
Height	23.4 inches (59 cm)
Weight	196 lb (89 Kg)

Operation

Refer to your traction unit *Operator's Manual* for more information on installing and removing attachments on your traction unit.

Note: Always use the traction unit to lift and move the attachment. To move an auger without the drive head, sling a strap over each end of the auger and hoist it to the desired location.

Installing an Auger

The auger head swings freely in the cradle arms. Your hands or fingers could get pinched and severely injured or amputated if they are caught between the cradle arms and the swinging drive head.

Keep your hands and fingers away from the cradle arms.

1. If you are installing an auger on model 22806 drive head, position the drive head vertically, slide a bolt (1/2 x 2-1/2 inches) into the holes in the front cradle arms, and secure it lightly with a flange nut (1/2 inch) (Figure 4).

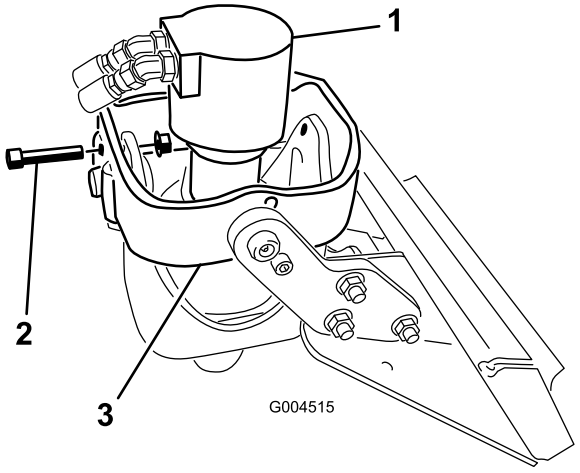


Figure 4

1. Drive head (front view)
2. Bolt
3. Front cradle arm

2. Raise the loader arms so the drive head clears the ground.
3. Stop the engine.
4. Manually rotate the auger drive head up, until you can slide a bolt (1/2 x 2-1/2 inches) into the hole in the cradle arm, securing the drive head.

Lightly secure the bolt with a flange nut (1/2 inch) (Figure 5).

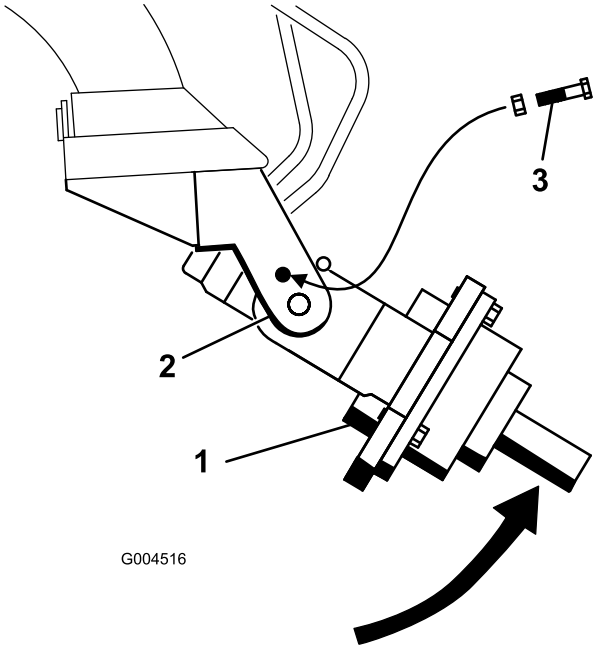


Figure 5

1. Drive head
2. Cradle arm
3. Bolt and flange nut

5. If using an extension with the auger, insert the end of the extension into the end of the auger and secure the auger to the extension with a bolt (7/8 x 4-1/2 inch) and nut (7/8 inch) (Figure 6).

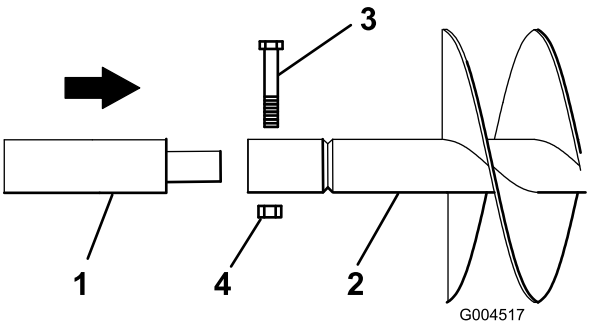


Figure 6

1. Extension
2. Auger shaft
3. Bolt, 7/8 x 4-1/2 inch
4. Nut, 7/8 inch

6. Start the engine.
7. Maneuver the drive shaft into the end of the auger shaft or extension (if applicable) (Figure 7).

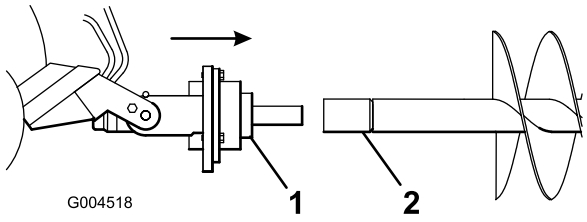


Figure 7

1. Drive head
2. Auger shaft

8. Stop the engine.
9. Secure the auger to the drive head with a bolt (7/8 x 4-1/2 inch) and nut (7/8 inch) (Figure 8).

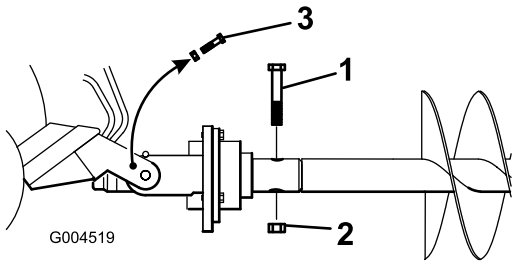


Figure 8

1. Bolt, 7/8 x 4-1/2 inches
2. Nut, 7/8 inch
3. Bolt(s) and nut(s)

10. Remove the bolts and nuts from the cradle arms that were installed in steps 1 (if applicable) and 4 (Figure 8).
11. Start the engine.
12. Raise the auger free of the ground (Figure 9).

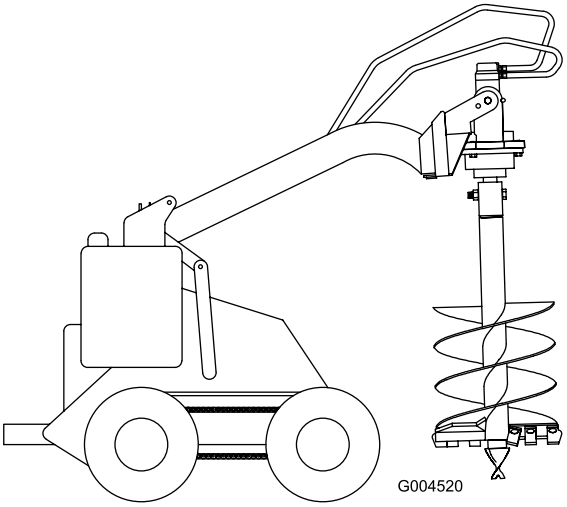


Figure 9

13. When the auger is vertical, tilt the attachment plate rearward, until the drive head contacts the attachment plate to stabilize the auger and keep it from swinging freely (Figure 9).

Digging a Hole

There may be buried power, gas, and/or telephone lines in the work area. Shock or explosion may occur if you dig into them.

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 United States, call 811 for the nationwide marking service).

Important: Before digging, ensure that the ground is free of any trash or debris.

Important: Do not use the auger unless the auger point and teeth are intact and in good condition.

1. Lower the auger to the soil at the site of the proposed hole.
2. Move the throttle lever to the Fast position.
3. If your traction unit has a speed selector lever, move it to the Slow position.
4. If your traction unit has a flow divider control, move it to the 10:00 o'clock position.
5. Pull the auxiliary hydraulics lever to the operator grip or reference bar to begin digging.
6. Lower the auger slowly as the soil is loosened. As you dig deeper, move the traction unit backward or forward as required to keep the auger vertical (Figure 10).

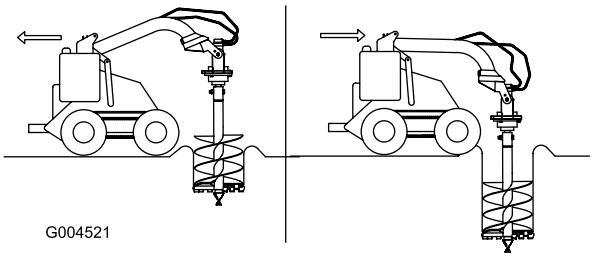


Figure 10

7. When the auger becomes full of soil, disengage the auger drive and lift the auger from the hole. Engage the auger drive to spin off the soil, then resume digging.

   Note: Switching the auxiliary hydraulics lever rapidly from forward to reverse will help to shake off the soil.

If you are using model 22806, excessive downward force may cause the bit to wobble uncontrollably which could tip the traction unit. You or bystanders could be pined or seriously injured.

When using model 22806, do not use excessive downward pressure on the bit. Allow the bit to pull itself into the soil.

Removing an Auger

1. Raise the loader arms so the auger comes out of the hole.

   Note: If you have a 24 inch extension installed between the drive head and the auger, it may be necessary to raise the auger as high as possible and then move the traction unit backward to pull the auger the rest of the way out of the hole.
2. Set the auger down in its storage location.
3. While lowering the arms, drive slowly backwards until the auger is horizontal.
4. Stop the engine.
5. Remove the bolt and nut securing the drive head to the auger or extension.
6. Start the engine and back the traction unit away from the auger.
7. If you used an extension, remove the bolt and nut securing it and pull it off of the auger.

Maintenance

Recommended Maintenance Schedule(s)

Maintenance Service Interval	Maintenance Procedure
After the first 50 hours	• Change the planetary gear case oil.
Before each use or daily	• Grease the cradle arm pivot points. (Grease all fittings immediately after every washing.) • Check the auger teeth and replace them if they are damaged or worn.
Every 1,000 hours	• Change the planetary gear case oil.
Before storage	• Check the auger teeth and replace them if they are damaged or worn. • Paint chipped surfaces.

If you leave the key in the ignition switch, someone could start the engine. Accidental starting of the engine could seriously injure you or other bystanders.

Remove the key from the ignition switch before you do any maintenance.

Greasing the Cradle Arm Pivot Points

Service Interval: Before each use or daily (Grease all fittings immediately after every washing.)

Grease Type: General-purpose grease

1. Stop the engine and remove the key.
2. Clean the grease fittings with a rag.
3. Connect a grease gun to each fitting.
4. Pump grease into the fittings until grease begins to ooze out of the bearings.
5. Wipe up any excess grease.

Changing Planetary Gear Case Oil

Service Interval: After the first 50 hours

Every 1,000 hours

The planetary gear case requires 0.85 pints of a mild, extreme pressure lubricant, rated API-GL-5, number 80 or 90.

1. Support the drive head over an oil pan (Figure 11).

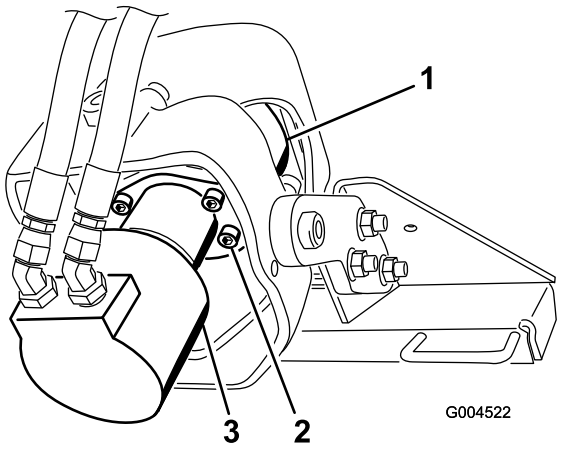


Figure 11

1. Planetary gear case
2. Bolts
3. Motor

2. Remove the 4 bolts securing the motor and remove the motor, allowing all of the oil to drain into the pan.
3. When the oil is completely drained, turn the drive head so that the opening is facing the up.
4. Add 0.85 pints of a mild, extreme pressure lubricant, rated API-GL-5, number 80 or 90.
5. Replace the motor and secure it with the four bolts removed previously. Torque the bolts to 105 ft-lb (142 N-m)

Storage

1. Before long term storage, wash the attachment with mild detergent and water to remove dirt and grime.
2. Check and tighten all bolts, nuts, and screws. Repair or replace any damaged or worn part.
3. Ensure that all hydraulic couplers are connected together to prevent contamination of the hydraulic system.
4. Paint all scratched or bare metal surfaces. Paint is available from your Authorized Service Dealer.
5. Store the attachment in a clean, dry garage or storage area. Cover it to protect it and keep it clean.

Troubleshooting

Problem	Possible Cause	Corrective Action
The drive head does not operate.	1. Hydraulic coupler not completely connected	1. Check and tighten all couplers.
	2. Defective hydraulic coupler	2. Check couplers and replace any that are defective.
	3. An obstruction in a hydraulic hose	3. Find and remove the obstruction.
	4. Kinked hydraulic hose	4. Replace the kinked hose
	5. Contamination in the gearbox	5. Refer to your authorized service dealer.

Notes:



Count on it.