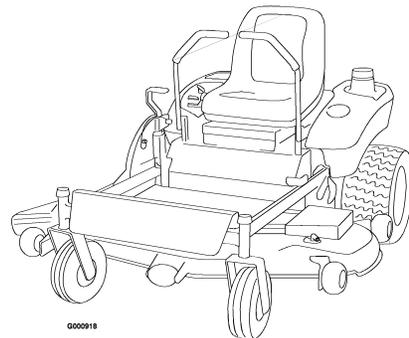


NEW HOLLAND
MZ19H

87369219 9/2005

OPERATOR'S MANUAL



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NEW HOLLAND

Warning

CALIFORNIA Proposition 65 Warning

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Important: This engine is not equipped with a spark arrester muffler. It is a violation of California Public Resource Code Section 4442 to use or operate the engine on any forest-covered, brush-covered, or grass-covered land. Other states or federal areas may have similar laws.

This spark ignition system complies with Canadian ICES-002

The enclosed Engine Owner's Manual is supplied for information regarding the US Environmental Protection Agency (EPA) and the California Emission Control Regulation of emission systems, maintenance, and warranty. Replacements may be ordered through the engine manufacturer.

Contents

Introduction	3
Safety	4
Safe Operating Practices	4
New Holland Riding Mower	
Safety	6
Slope Chart	7
Safety and Instructional Decals	8
Product Overview	11
Controls	11
Operation	12
Think Safety First	12
Recommended Gasoline	12
Checking the Engine Oil Level	14
Using the Parking Brake	14
Starting and Stopping the	
Engine	14
Operating the Power Take Off	
(PTO)	15
The Safety Interlock System	15
Driving Forward or Backward	16
Stopping the Machine	17

Adjusting the Height of Cut	17
Adjusting the Anti-Scalp	
Rollers	17
Positioning the Seat	18
Adjusting the Motion Control	
Levers	18
Pushing the Machine by Hand	18
Side Discharge	19
Operating Tips	19
Maintenance	21
Recommended Maintenance	
Schedule(s)	21
Lubrication	21
How to Grease	21
Where to Add Grease	22
Engine Maintenance	22
Servicing the Engine Oil	22
Servicing the Air Cleaner	24
Cleaning the Cooling System	25
Fuel System Maintenance	25
Replacing the Fuel Filter	25
Draining the Fuel Tank	26
Electrical System Maintenance	26
Spark Plug	26
Servicing the Battery	27
Servicing the Fuses	29
Drive System Maintenance	29
Checking the Tire Pressure	29
Mower Maintenance	30
Servicing the Cutting Blades	30
Leveling the Mower from	
Side-to-Side	32
Adjusting the Front-to-Rear Blade	
Slope	32
Removing the Mower	33
Inspecting the Belts	34
Replacing the Mower Belt	34
Installing the Mower	35
Replacing the Grass Deflector	35
Cleaning	36
Washing the Underside of the	
Mower	36
Storage	37
Cleaning and Storage	37
Troubleshooting	38
Schematics	41

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.

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

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

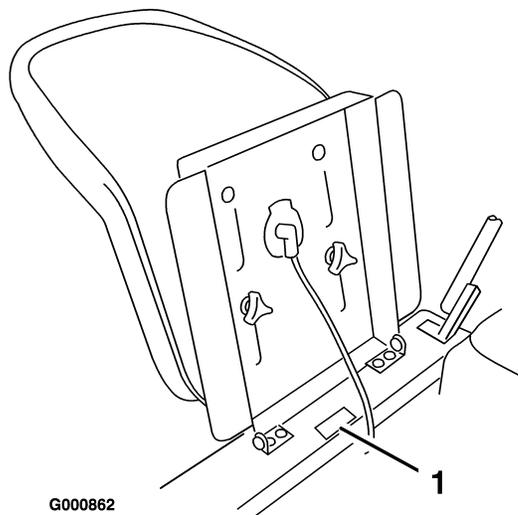


Figure 1

1. Model and serial number plate

Model No. _____
Product ID 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.

Safety

This machine meets or exceeds the B71.1-2003 specifications of the American National Standards Institute, in effect at the time of production. However, 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

The following instructions are from ANSI standard B71.1-2003.

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

General Operation

- Read, understand, and follow all instructions in the operator's manual and on the machine before starting.
- Do not place hands or feet near rotating parts or under the machine. Keep clear of the discharge opening at all times.
- Allow only responsible adults who are familiar with the instructions to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Stop the machine if anyone enters the area.
- Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing up.
- Be aware of the mower discharge direction and do not point it at anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blade(s) when crossing gravel surfaces.

- Do not operate the mower without either the entire grass catcher or the guard in place.
- Be alert, slow down and use caution when making turns. Look behind and to the side before changing directions.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove key before dismounting.
- Turn off blades when not mowing. Stop the engine and wait for all parts to come to a complete stop before cleaning the machine, removing the grass catcher or unclogging the discharge chute.
- Operate the machine only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Watch for traffic when operating near or crossing roadways.
- Use extra care when loading or unloading the machine into a trailer or truck.
- Always wear eye protection when operating the mower.
- Data indicates that operators, age 60 years and above, are involved in a large percentage of riding mower-related injuries. These operators should evaluate their ability to operate the riding mower safely enough to protect themselves and others from serious injury.
- Always follow the recommendations for wheel weights or counterweights.

Slope Operation

Slopes are a major factor related to slip and fall accidents, which can result in severe injury. Operation on all slopes requires extra caution. If you feel uneasy on a slope, do not mow it.

- Watch for ditches, holes, rocks, dips, and rises that change the operating angle, as rough terrain could overturn the machine.
- Choose a low ground speed so you will not have to stop while operating on a slope.
- Do not mow slopes when grass is wet. Slippery conditions reduce traction and could cause sliding and loss of control.
- Always keep the machine in gear when going down slopes. Do not shift to neutral and coast downhill.

- Reduce speed and use extreme caution on slopes.
- Do not make sudden turns or rapid speed changes.
- Use a walk behind mower and/or a hand trimmer near drop-offs, ditches, steep banks or water.
- Remove or mark obstacles such as rocks, tree limbs, etc. from the mowing area. Tall grass can hide obstacles.
- Avoid sudden starts when mowing uphill because the mower may tip backwards.
- Be aware that loss of traction may occur going downhill. Weight transfer to the front wheels may cause drive wheels to slip and cause loss of braking and steering.
- Always avoid sudden starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly off the slope.
- Use extreme care with grass catchers or other attachments. These can change the stability of the machine and cause loss of control.
- Do not try to stabilize the machine by putting your foot on the ground.
- Do not mow near drop-offs, ditches, steep banks or water. Wheels dropping over edges can cause rollovers, which may result in serious injury, death or drowning.

Children

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them.

- Keep children out of the mowing area and under the watchful care of another responsible adult, not the operator.
- Be alert and turn the machine off if children enter the area.
- Before and while backing or changing direction, look behind, down, and side-to-side for small children.
- Never carry children, even with the blades off. They may fall off and be seriously injured or interfere with safe machine operation.
- Children who have been given rides in the past may suddenly appear in the mowing area for

another ride and be run over or backed over by the mower.

- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, the end of a fence or other objects that may obscure vision.

Towing

- Tow only with a machine that has a hitch designed for towing. Do not attach towed equipment except at the hitch point.
- This product has a limited towing capacity for small attachments up to 100 lbs; such as leaf sweepers and spreaders. Towing of attachments should be limited to flat ground.
- Never allow children or others in or on towed equipment.
- On slopes, the weight of towed equipment may cause a loss of traction and control. Towing on slopes is not recommended.
- Travel slowly and allow extra distance to stop.

Service

Safe Handling of Gasoline:

To avoid personal injury or property damage, use extra care when handling gasoline and other fuels. They are flammable and the vapors are explosive.

- Extinguish all cigarettes, cigars, pipes and other sources of ignition.
- Use only an approved container.
- Never remove the gas cap or add fuel when the engine is running. Allow the engine to cool before refueling.
- Never refuel the machine indoors.
- Never store the machine or fuel container inside where there is an open flame, such as near a water heater or furnace.
- Never fill containers inside a vehicle or on a truck or trailer with a plastic liner. Always place containers on the ground away from your vehicle before filling.
- Remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a gasoline dispenser nozzle.

- Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until the fueling is complete. Do not use a nozzle lock-open device.
- If fuel is spilled on clothing, change clothing immediately.
- Never overfill the fuel tank. Replace gas cap and tighten securely.

General Service:

- Never run a machine inside a closed area.
- Keep nuts and bolts tight, especially the blade attachment bolts. Keep equipment in good condition.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep the machine free of grass, leaves, or other debris build-up. Clean up oil or fuel spillage fuel soaked debris. Allow the machine to cool before storing.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make any adjustments or repairs with the engine running.
- Grass catcher components are subject to wear, damage and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Check for proper brake operation frequently. Adjust and service as required.
- Maintain or replace safety and instruction decals as necessary.
- Use only genuine New Holland replacement parts to ensure that original standards are maintained.

information that you must know that is not included in the ANSI standards.

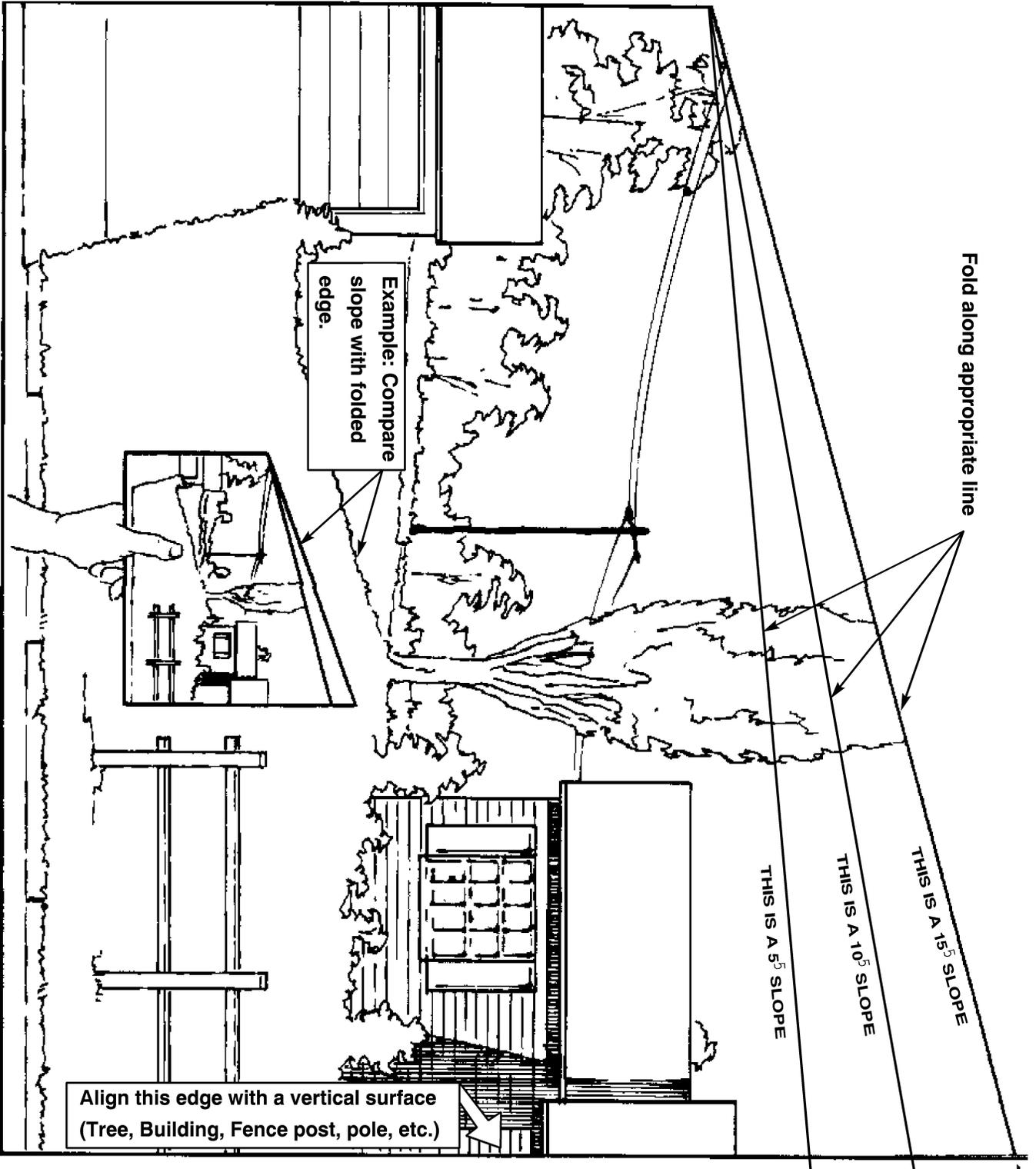
- Do not mow slopes greater than 15 degrees.
- Engine exhaust contains carbon monoxide, which is an odorless, deadly poison that can kill you. Do not run engine indoors or in an enclosed area.
- Stop the engine, disconnect spark plug wire(s) and remove key before performing any service, repairs, maintenance or adjustments.
- Keep hands, feet, hair, and loose clothing away from attachment discharge area, underside of mower and any moving parts while engine is running.
- Do not touch equipment or attachment parts which may be hot from operation. Allow to cool before attempting to maintain, adjust or service.
- Battery acid is poisonous and can cause burns. Avoid contact with skin, eyes, and clothing. Protect your face, eyes, and clothing when working with a battery.
- Battery gases can explode. Keep cigarettes, sparks and flames away from battery.
- Use only New Holland approved attachments. Warranty may be voided if used with unapproved attachments.
- If loading the machine onto a trailer or truck, use a single, full-width ramp only. The ramp angle should not exceed 15 degrees.

Note: Determine the left and right sides of the machine from the normal operating position.

New Holland Riding Mower Safety

The following list contains safety information specific to New Holland products or other safety

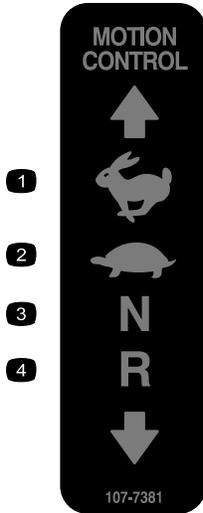
Slope Chart



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.

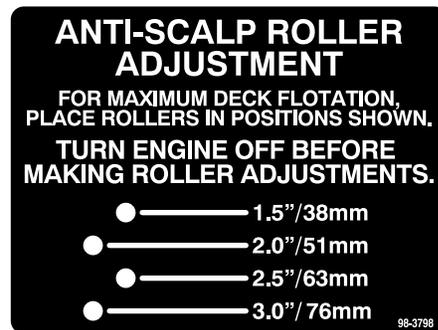


TR107D7381

- | | |
|---------|------------|
| 1. Fast | 3. Neutral |
| 2. Slow | 4. Reverse |



TR93D1122



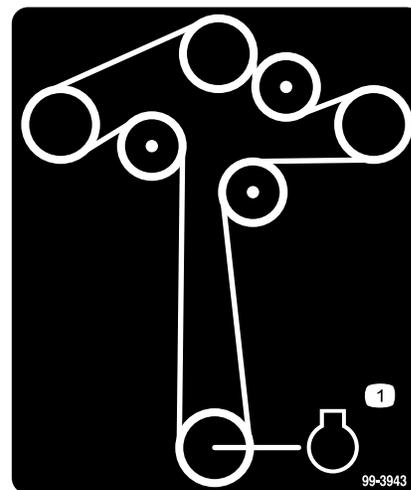
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TR92D7108

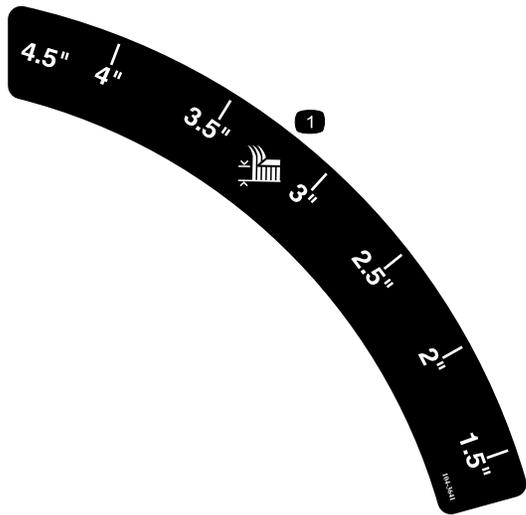


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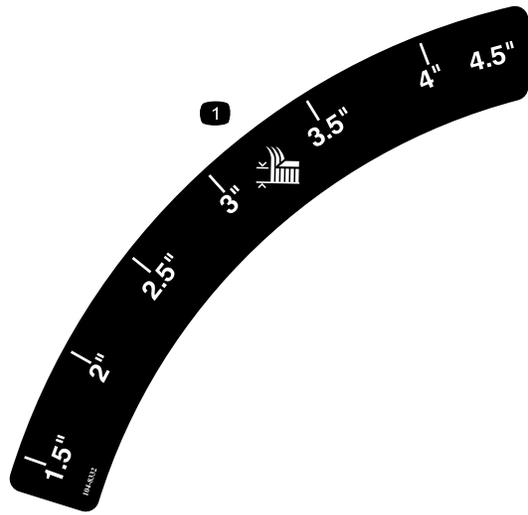
TR99D3943

1. Engine



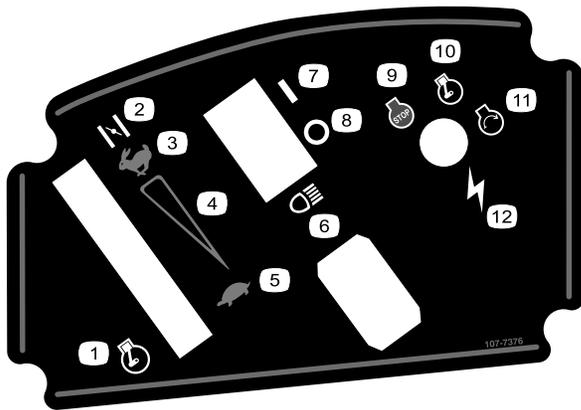
TR104D3641

1. Height of cut



TR104D8032

1. Height of cut



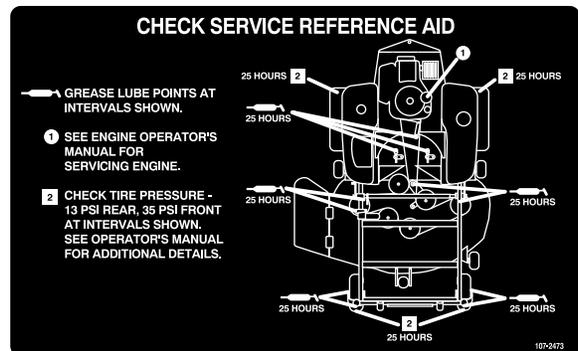
TR107D7376

- | | |
|--------------------------------|------------------|
| 1. Throttle | 7. Headlights |
| 2. Choke | 8. Engine—stop |
| 3. Continuous variable setting | 9. Engine—run |
| 4. Slow | 10. Engine—start |
| 5. On | 11. Ignition |
| 6. Off | |

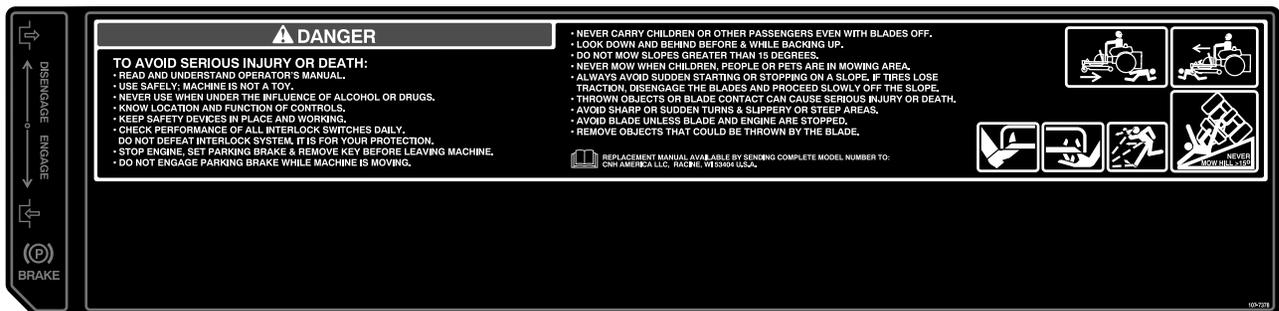


TR104D8061

- | | |
|---|--|
| 1. To ride the machine, pull the lever out. | 3. To push the machine, push the lever in. |
| 2. Do not tow the machine. | |



TR107D2473



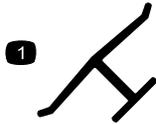
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Battery Symbols

Some or all of these symbols are on your battery

- | | |
|--|--|
| 1. Explosion hazard | 6. Keep bystanders a safe distance from the battery. |
| 2. No fire, open flame, or smoking. | 7. Wear eye protection; explosive gases can cause blindness and other injuries |
| 3. Caustic liquid/chemical burn hazard | 8. Battery acid can cause blindness or severe burns. |
| 4. Wear eye protection | 9. Flush eyes immediately with water and get medical help fast. |
| 5. Read the <i>Operator's Manual</i> . | 10. Contains lead; do not discard. |



Manufacturer's Mark

1. Indicates the blade is identified as a part from the original machine manufacturer.

Product Overview

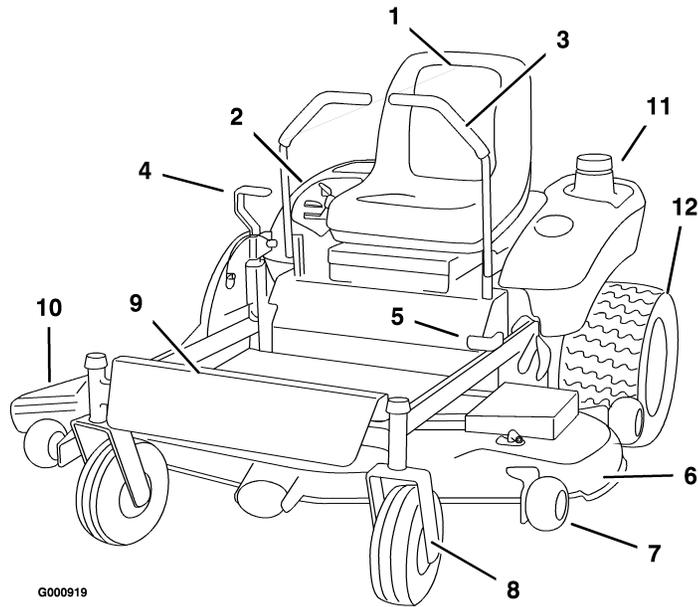


Figure 3

- | | | | |
|--------------------------|------------------------|-----------------------|----------------------|
| 1. Seat | 4. Height of cut lever | 7. Anti-scalp wheel | 10. Discharge chute |
| 2. Control panel | 5. Parking brake | 8. Front castor wheel | 11. Gas tank |
| 3. Motion control levers | 6. Mower deck | 9. Footrest | 12. Rear drive wheel |

Controls

Become familiar with all of the controls (Figure 4 and Figure 5) before you start the engine and operate the machine.

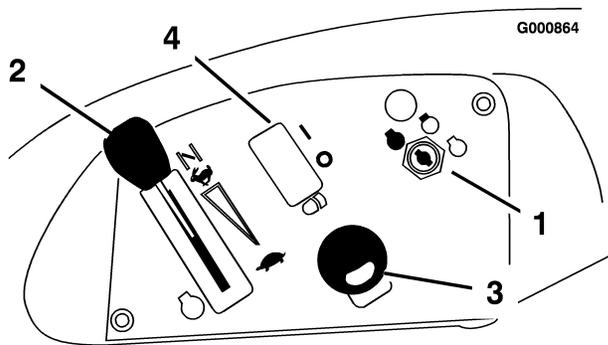


Figure 4

- | | |
|--------------------|-------------------------|
| 1. Ignition switch | 3. Power take off (PTO) |
| 2. Throttle/Choke | 4. Headlights-optional |

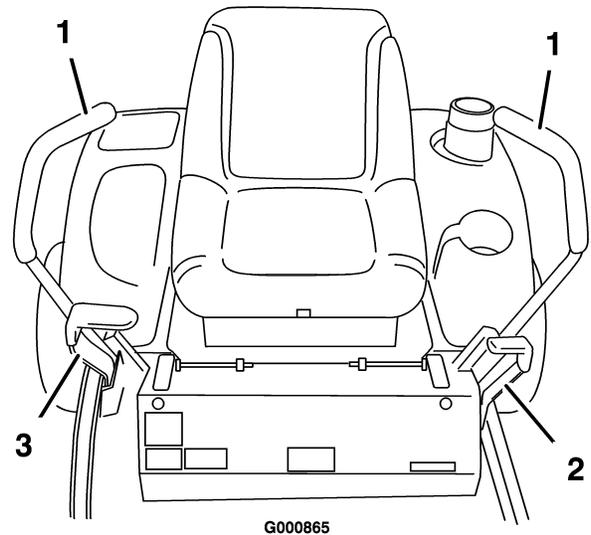


Figure 5

- | | |
|-------------------------|------------------------|
| 1. Motion control lever | 3. Height-of-cut lever |
| 2. Parking brake lever | |

Operation

Note: Determine the left and right sides of the machine from the normal operating position.

Think Safety First

Please carefully read all of the safety instructions and decals in the safety section. Knowing this information could help you, your family, pets or bystanders avoid injury.

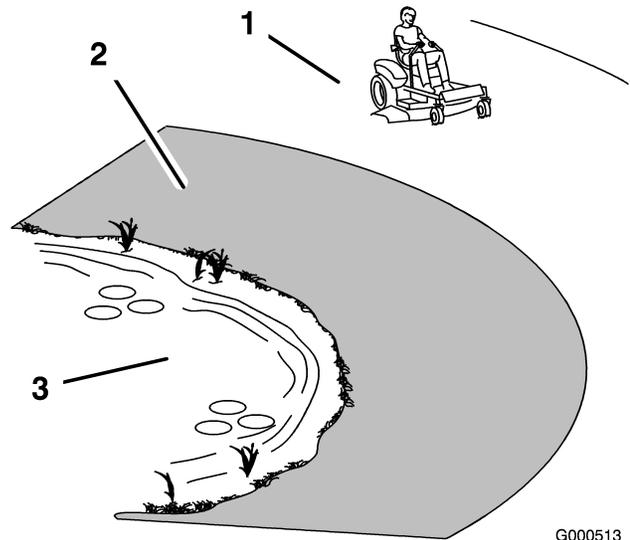


Mowing on wet grass or steep slopes can cause sliding and loss of control.

Wheels dropping over edges can cause rollovers, which may result in serious injury, death or drowning.

To avoid loss of control and possibility of rollover:

- Do not mow near drop-offs or near water.
- Do not mow slopes greater than 15 degrees.
- Reduce speed and use extreme caution on slopes.
- Avoid sudden turns or rapid speed changes.



G000513

Figure 6

1. Safe Zone-use the machine here
2. Use walk behind mower and/or hand trimmer near drop-offs and water.
3. Water

Recommended Gasoline

Use UNLEADED Regular Gasoline suitable for automotive use (87 pump octane minimum). Leaded regular gasoline may be used if unleaded regular is not available.

Important: Never use methanol, gasoline containing methanol, or gasohol containing more than 10% ethanol because the fuel system could be damaged. Do not mix oil with gasoline.

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