



Roll Over Protection System

Z Master[®] 100, 200 and 500 Series Mowers

Part No. 107-3066

Part No. 107-0038

Operator's Manual

Important Always keep this manual with the original manual that came with the machine.

Safety

Slope Operation

- Do not mow slopes greater than 15 degrees.
- 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.
- Do not mow slopes when grass is wet. Slippery conditions reduce traction and could cause sliding and loss of control.
- 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.
- Reduce speed and use extreme caution on slopes.
- Remove or mark obstacles such as rocks, tree limbs, etc. from the mowing area. Tall grass can hide obstacles.
- Watch for ditches, holes, rocks, dips, and rises that change the operating angle, as rough terrain could overturn the machine.
- 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.
- Follow the manufacturer's recommendations for wheel weights or counterweights to improve stability.
- Use extreme care with grass catchers or other attachments. These can change the stability of the machine and cause loss of control.

Using the Rollover Protection System (ROPS)

- Keep the roll bar in the raised and locked position and use the seat belt when operating the machine.
- Be certain that the seat belt can be released quickly in the event of an emergency.
- Be aware there is no rollover protection when the roll bar is down.
- Check the area to be mowed and never fold the ROPS in areas where there are slopes, drop offs or water.
- Lower the rollbar only when absolutely necessary. Do not wear the seat belt with the roll bar folded down.
- Check carefully for overhead clearances (i.e. branches, doorways, electrical wires) before driving under any objects and do not contact them.

Safety and Instruction 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.

⚠ WARNING

TO AVOID INJURY OR DEATH FROM ROLLOVER:
 Keep roll bar in the raised and locked position and use seat belt.

THERE IS NO ROLL OVER PROTECTION WHEN THE ROLL BAR IS DOWN.
 Lower the roll bar only when absolutely necessary.
 Do not wear seat belt when the roll bar is down.
 Drive slowly and carefully.
 Raise the roll bar as soon as clearance permits.
 Read and follow slope operation instructions and warnings.

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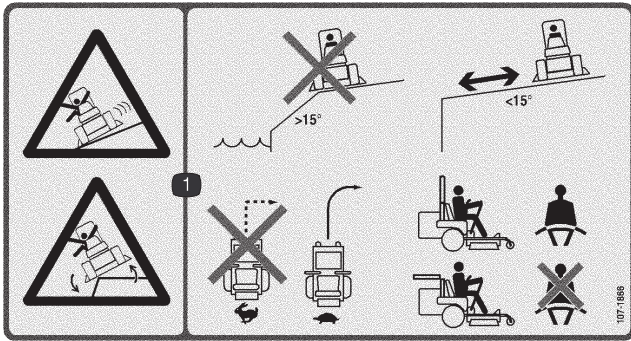
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⚠ WARNING

- Operating 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 operate near drop-offs or near water.
 - Do NOT operate on slopes greater than 15°.
 - Reduce speed and use extreme caution on slopes.
 - Avoid sudden turns or rapid speed changes.
- There is no rollover protection when the roll bar is down.
- Always keep roll bar in the raised and locked position and use seat belt.
- Read and follow rollover protection instructions and warning.

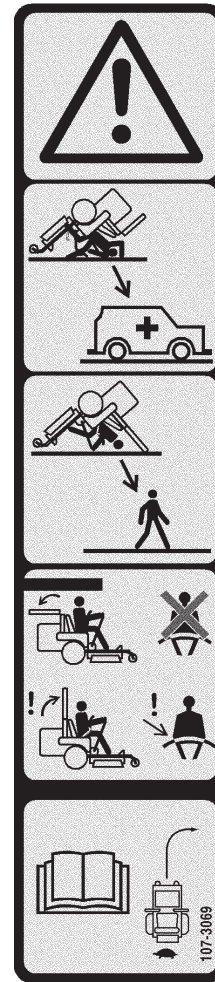
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107-1866

1. Sliding and loss of control hazard and tipping hazard, drop-offs—do not operate the machine near drop-offs, slopes greater than 15 degrees, or water; keep a safe distance from drop-offs; do not turn sharply while traveling fast, instead, slow down and turn gradually; if the roll bar is raised, wear the seat belt; if the roll bar is lowered, do not wear the seat belt.



107-3096

1. Warning—in a roll over accident without the roll bar raised and seat belt used, you will be injured or killed; in a roll over accident with the roll bar raised and seat belt used, you may be uninjured.
2. To mow under obstacles, lower the roll bar and do not wear the seat belt; at all other times, always raise the roll bar and wear the seat belt.
3. Read the *Operator's Manual*, and slow down and turn gradually.

Operation

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

Using the Rollover Protection System (ROPS)

Warning

To avoid injury or death from rollover: keep the roll bar in the raised locked position and use the seat belt.

Ensure that the rear part of the seat is secured with the seat latch.

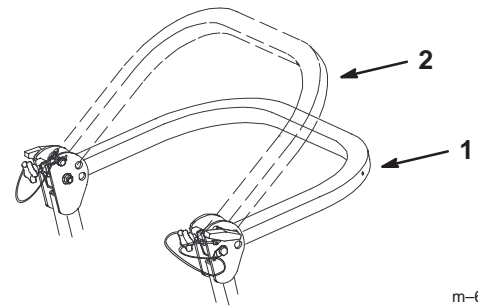
Warning

There is no rollover protection when the roll bar is in the down position.

- Lower the roll bar only when absolutely necessary.
- Do not wear the seat belt when the roll bar is in the down position.
- Drive slowly and carefully.
- Raise the roll bar as soon as clearance permits.
- Check carefully for overhead clearances (i.e. branches, doorways, electrical wires) before driving under any objects and do not contact them.

Important Lower the roll bar only when absolutely necessary.

1. To lower the roll bar, loosen the front handles (Fig. 3).
2. Remove the hairpin cotter pins and remove the two pins (Fig. 2).
3. Lower the the roll bar to the down position. There are two down positions. See Figure 1 for the positions.
4. Install the two pins and secure them with the hairpin cotter pins (Fig. 2).



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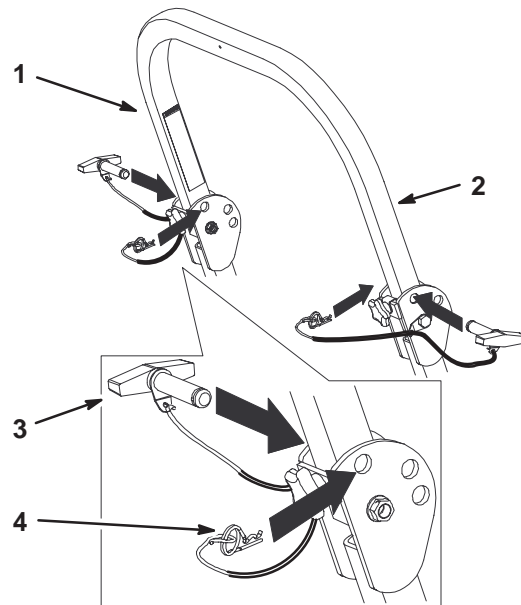
Figure 1

1. Full down position
2. Down position with bagger installed

Important Always use the seat belt with the roll bar in the raised position.

Important Ensure that the rear part of the seat is secured with the seat latch.

5. To raise the roll bar, remove the hairpin cotter pins and remove the two pins (Fig. 2).
6. Raise the roll bar to the upright position and install the two pins and secure them with the hairpin cotter pins (Fig. 2).



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Figure 2

1. Roll bar
2. Raised position
3. Pin
4. Hairpin cotter pin

- Tighten the front handles against the center roll bar ends (Fig. 2).

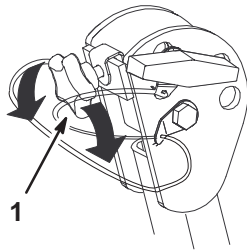


Figure 3

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- Front handle

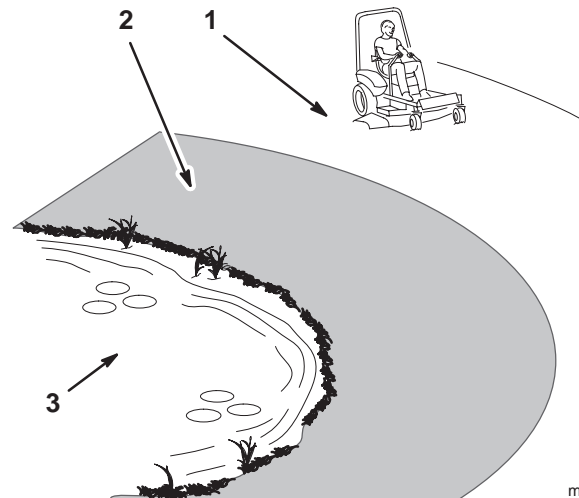


Figure 4

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- Safe Zone—use the Z Master here on slopes less than 15 degrees or flat areas.
- Use walk behind mower and/or hand trimmer near drop-offs and water.
- Water

Think Safety First

Please read all safety instructions and symbols in the safety section. Knowing this information could help you or bystanders avoid injury.



Danger



Operating 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.

There is no rollover protection when the roll bar is down.

Always keep the roll bar in the raised and locked position and use the seat belt.

Read and follow the rollover protection instructions and warnings.

To avoid loss of control and possibility of rollover:

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

