

OPERATING PROCEDURE

Inspect The Work Area

Before beginning operation, inspect the work area for unsafe conditions.

Look for sharp drop-offs or rough terrain. Have underground utility lines (gas, electrical, water, sewer, irrigation, etc.) located and marked.

Remove objects or other construction material that could damage the loader or cause personal injury.

Always check ground conditions before starting your work:

- Inspect for signs of instability such as cracks or settlement.
- Be aware of weather conditions that can affect ground stability.
- Check for adequate traction if working on a slope.

Basic Operating Instructions

Always warm the engine and hydrostatic system before operating the loader.

IMPORTANT

Machines warmed up with moderate engine speed and light load have longer life.

I-2015-0284

Operate the loader with engine at full speed for maximum horsepower. Move the steering controls only a small amount to operate the loader slowly.

New operators must operate the loader in an open area without bystanders. Operate the controls until the loader can be handled at an efficient and safe rate for all conditions of the work area.

For use by CanWest Equipment Rental customers only - NOT for Distribution



Operating Near An Edge Or Water

Keep the loader as far back from the edge as possible and the loader tracks perpendicular to the edge so that if part of the edge collapses, the loader can be moved back.

Always move the loader back at any indication the edge may be unstable.

WARNING

MACHINE TIPPING OR ROLLOVER CAN CAUSE SERIOUS INJURY OR DEATH

- Keep the lift arms as low as possible.
- Do not travel or turn with the lift arms up.
- Turn on level ground. Slow down when turning.
- Go up and down slopes, not across them.
- Keep the heavy end of the machine uphill.
- Do not overload the machine.
- Check for adequate traction.

W-2018-1112

Driving On Public Roads

When operating on a public road or highway, always follow local regulations. For example: Slow Moving Vehicle Sign or direction signals may be required.

OPERATING PROCEDURE (CONT'D)

Operating With A Full Bucket

Figure 153

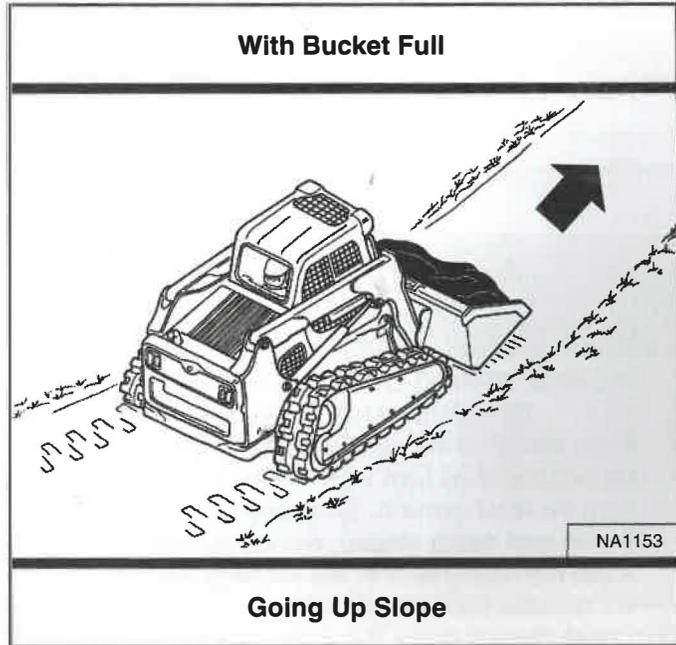
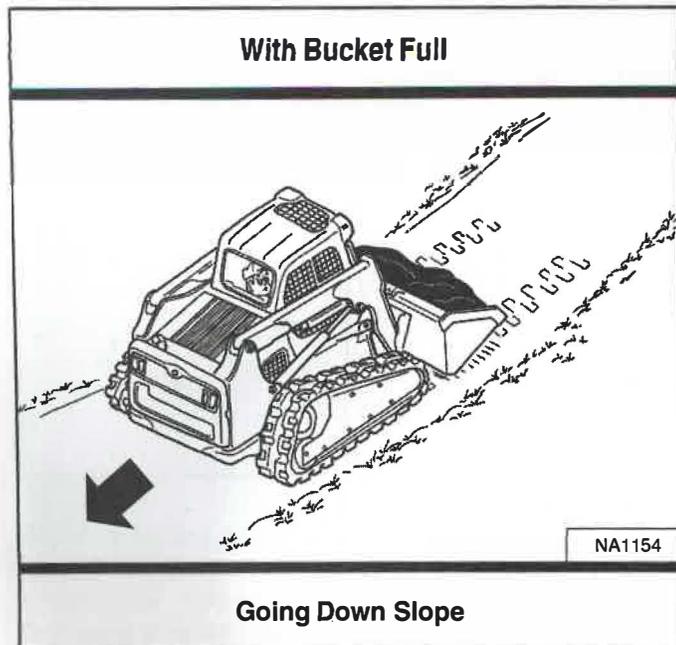


Figure 154



With a full bucket, go up or down the slope with the heavy end toward the top of the slope [Figure 153] and [Figure 154].

Raise the bucket only high enough to avoid obstructions on rough ground.

Operating With An Empty Bucket

Figure 155

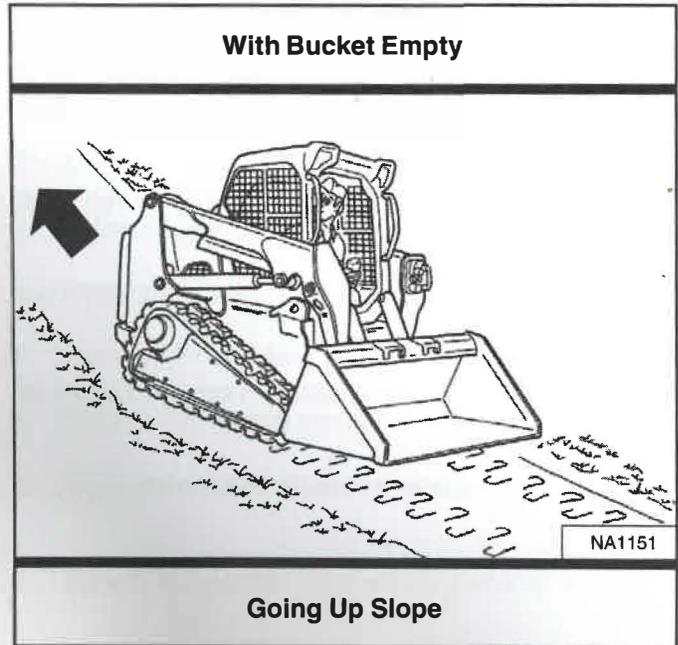
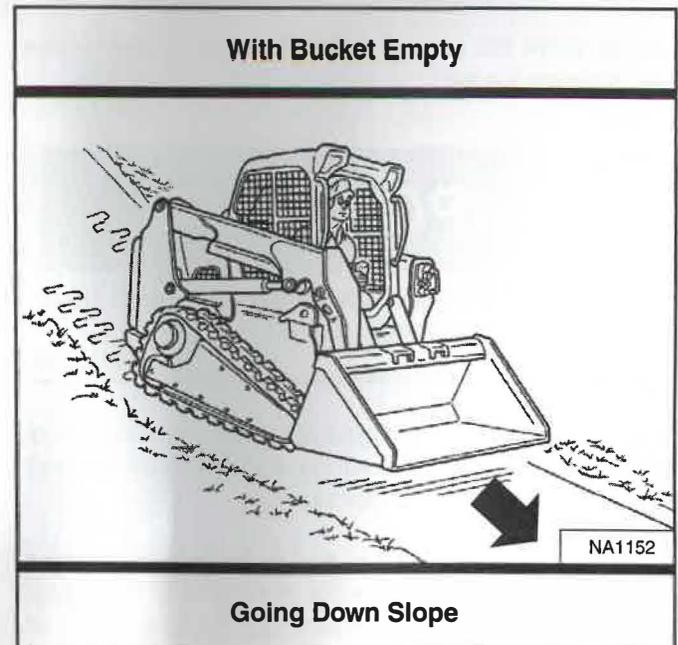


Figure 156



With an empty bucket, go up or down the slope with the heavy end toward the top of the slope [Figure 155] and [Figure 156].

Raise the bucket only high enough to avoid obstructions on rough ground.

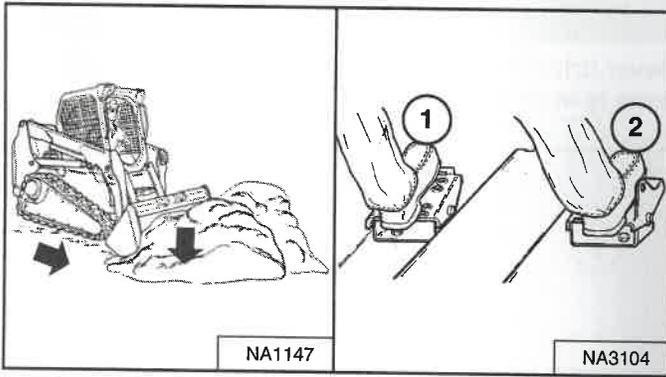
OPERATING PROCEDURE (CONT'D)

For use by CanWest Equipment Rental customers only - NOT for Distribution

Filling And Emptying The Bucket (Foot Pedals)

Filling

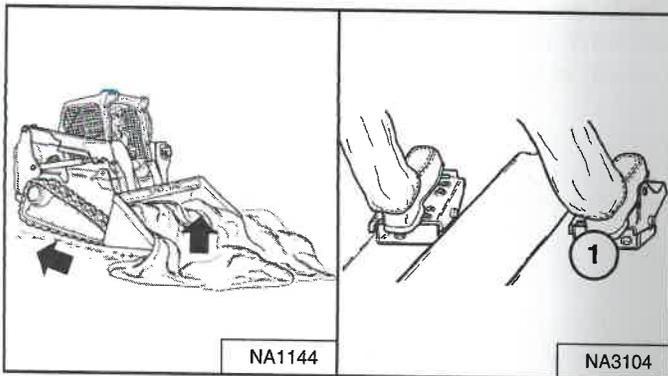
Figure 157



Lower the lift arms all the way (Item 1) [Figure 157].

Tilt the bucket forward (Item 2) [Figure 157] until the cutting edge of the bucket is on the ground. Drive slowly forward into the material.

Figure 158



Tilt the bucket backward (Item 1) [Figure 158] all the way when the bucket is full.

Drive backward away from the material.

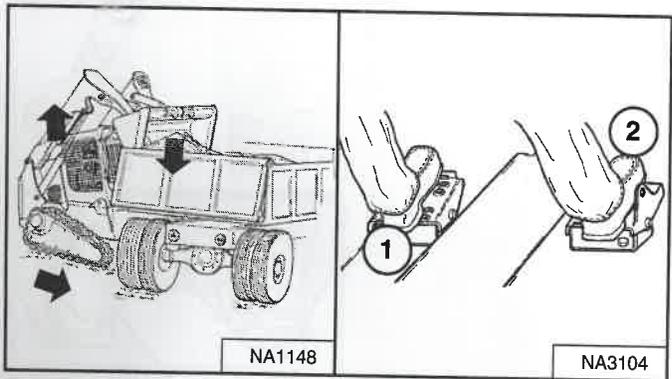
! WARNING

Load, unload and turn on flat level ground. Do not exceed Rated Operating Capacity (ROC) shown on sign (decal) in cab. Failure to obey warnings can cause the machine to tip or rollover and cause injury or death.

W-2056-1112

Emptying

Figure 159



Keep the bucket low when moving to the area where you want to empty the bucket.

Raise the lift arms (Item 1). Level the bucket (Item 2) [Figure 159] while raising the lift arms to help prevent material from falling off the back of the bucket.

Drive forward slowly until the bucket is over the top of the truck box or bin.

Empty the bucket (Item 2) [Figure 159]. If all the material is near the side of the truck or bin, use the bucket tilt to move the material to the other side.

! WARNING

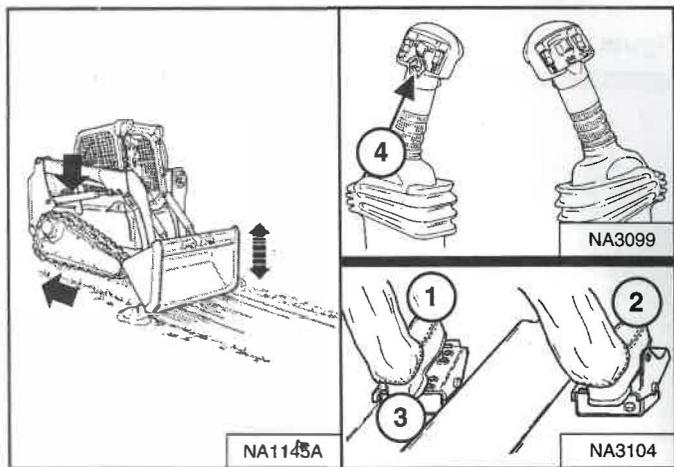
Never dump over an obstruction, such as a post, that can enter the operator cab. The machine could tip forward and cause injury or death.

W-2057-0694

OPERATING PROCEDURE (CONT'D)

Leveling The Ground Using Float (Foot Pedals)

Figure 160



IMPORTANT

Never drive forward when the hydraulic control for lift arms is in float position.

I-2005-1285

Standard Controls

Put the lift arms in float position by pushing the pedal all the way forward (Item 1) [Figure 160] until the pedal is locked into the forward position.

ACS In Foot Pedal Mode

Press and hold the Float button (Item 4) on the left handle while the left pedal is in neutral. While lowering the lift arms (Item 1) [Figure 160], release the Float button.

Standard Controls And ACS In Foot Pedal Mode

Tilt the bucket forward (Item 2) [Figure 160] to change the position of the cutting edge of the bucket.

With the bucket tilted farther forward, there is more force on the cutting edge and more loose material can be moved.

Drive backward to level loose material.

Push the bottom of the pedal (Item 3) [Figure 160] to unlock the float position.

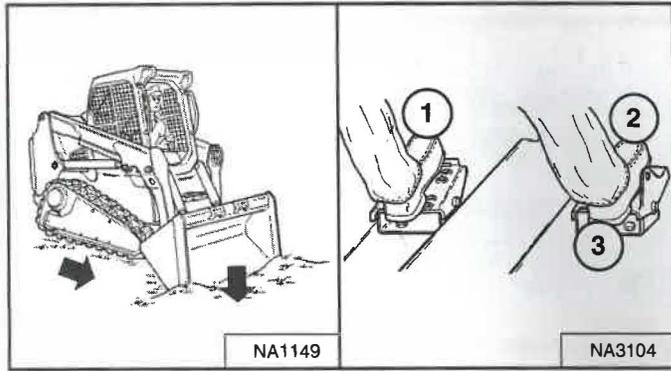
NOTE: On ACS equipped loaders in Foot Pedal Mode, pressing the Float button again will disengage float.

OPERATING PROCEDURE (CONT'D)

Digging And Filling A Hole (Foot Pedals)

Digging

Figure 161

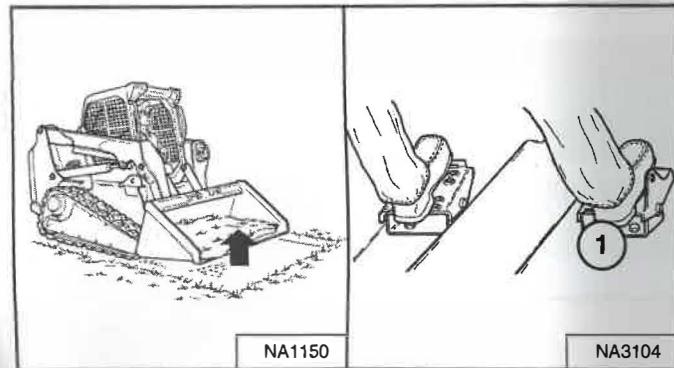


Lower the lift arms all the way (Item 1). Put the cutting edge of the bucket on the ground (Item 2) [Figure 161].

Drive forward slowly and continue to tilt the bucket down (Item 2) [Figure 161] until the bucket enters the ground.

Tilt the bucket backward a small amount (Item 3) to increase traction and keep an even digging depth. Continue to drive forward until the bucket is full. When the ground is hard, raise and lower the cutting edge (Items 2 and 3) [Figure 161] while driving forward.

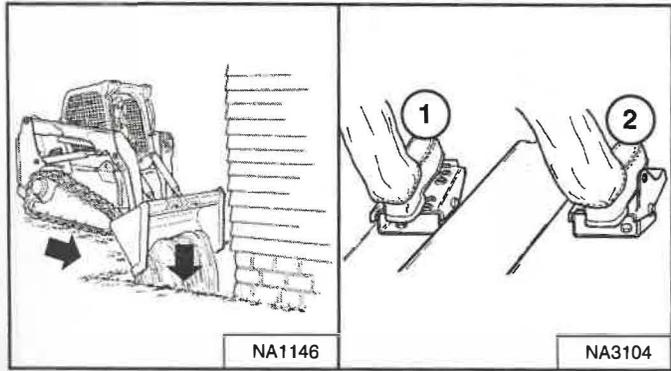
Figure 162



Tilt the bucket backward (Item 1) [Figure 162] fully when the bucket is full.

Filling

Figure 163



Lower the lift arms (Item 1) and put the cutting edge of the bucket on the ground (Item 2) [Figure 163]. Drive forward to the edge of the hole to push the material into the hole.

Tilt the bucket forward (Item 2) [Figure 163] as soon as the bucket is past the edge of the hole.

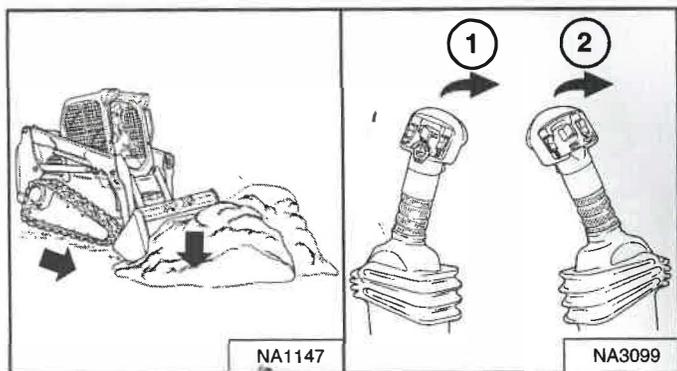
If necessary, raise the lift arms to empty the bucket.

OPERATING PROCEDURE (CONT'D)

Filling And Emptying The Bucket (ACS – Handles, SJC – 'H' Pattern)

Filling

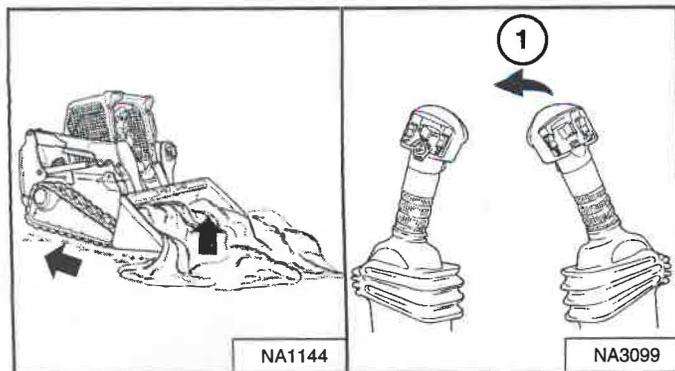
Figure 164



Lower the lift arms all the way (Item 1) [Figure 164].

Tilt the bucket forward (Item 2) [Figure 164] until the cutting edge of the bucket is on the ground. Drive slowly forward into the material.

Figure 165



Tilt the bucket backward (Item 1) [Figure 165] all the way when the bucket is full.

Drive backward away from the material.

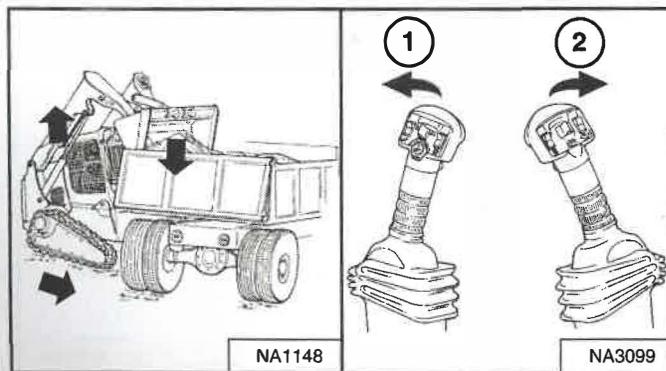
! WARNING

Load, unload and turn on flat level ground. Do not exceed Rated Operating Capacity (ROC) shown on sign (decal) in cab. Failure to obey warnings can cause the machine to tip or rollover and cause injury or death.

W-2056-1112

Emptying

Figure 166



Keep the bucket low when moving to the area where you want to empty the bucket.

Raise the lift arms (Item 1). Level the bucket (Item 2) [Figure 166] while raising the lift arms to help prevent material from falling off the back of the bucket.

Drive forward slowly until the bucket is over the top of the truck box or bin.

Empty the bucket (Item 2) [Figure 166]. If all material is near the side of the truck or bin, use the bucket tilt to move the material to the other side.

! WARNING

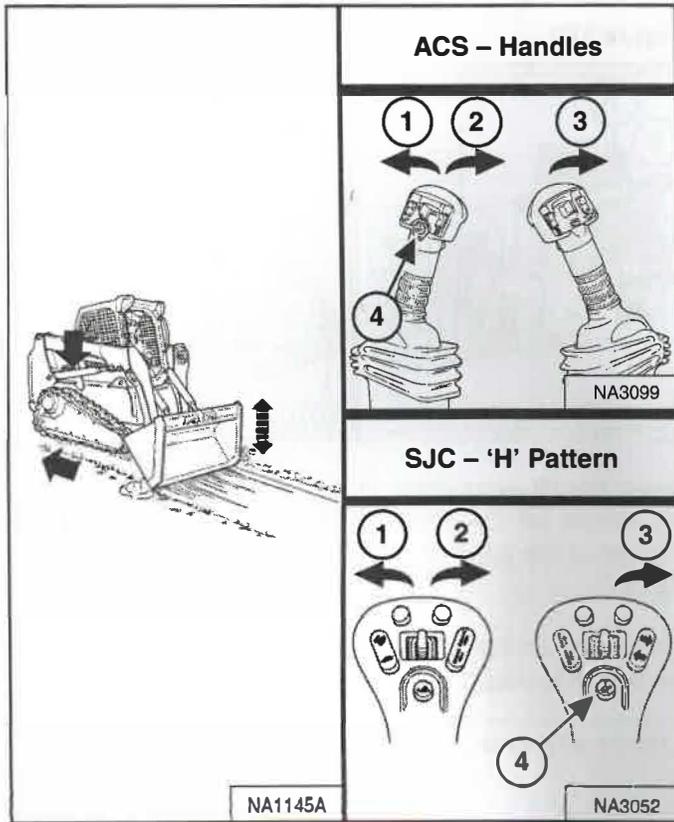
Never dump over an obstruction, such as a post, that can enter the operator cab. The machine could tip forward and cause injury or death.

W-2057-0694

OPERATING PROCEDURE (CONT'D)

Leveling The Ground Using Float (ACS – Handles, SJC – 'H' Pattern)

Figure 167



Press and hold the Float button (Item 4) while the handle or joystick is in neutral. While lowering the lift arms (Item 2) [Figure 167], release the Float button.

Tilt the bucket forward (Item 3) [Figure 167] to change the position of the cutting edge of the bucket.

With the bucket tilted farther forward, there is more force on the cutting edge and more loose material can be moved.

Drive backward to level loose material.

To disengage float, press the Float button again or raise the lift arms (Item 1) [Figure 167].

IMPORTANT

Never drive forward when the hydraulic control for lift arms is in float position.

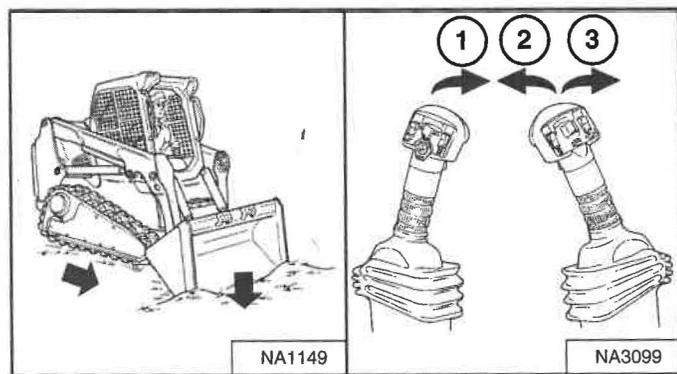
I-2005-1285

OPERATING PROCEDURE (CONT'D)

Digging And Filling A Hole (ACS – Handles, SJC – 'H' Pattern)

Digging

Figure 168

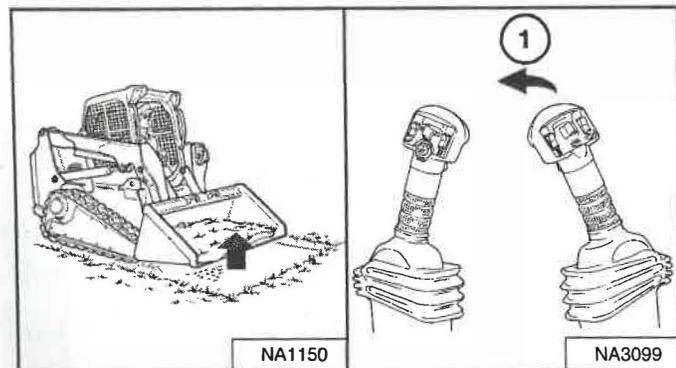


Lower the lift arms all the way (Item 1). Put the cutting edge of the bucket on the ground (Item 3) [Figure 168].

Drive forward slowly and continue to tilt the bucket down (Item 3) [Figure 168] until the bucket enters the ground.

Tilt the bucket backward a small amount (Item 2) to increase traction and keep an even digging depth. Continue to drive forward until the bucket is full. When the ground is hard, raise and lower the cutting edge (Items 2 and 3) [Figure 168] while driving forward.

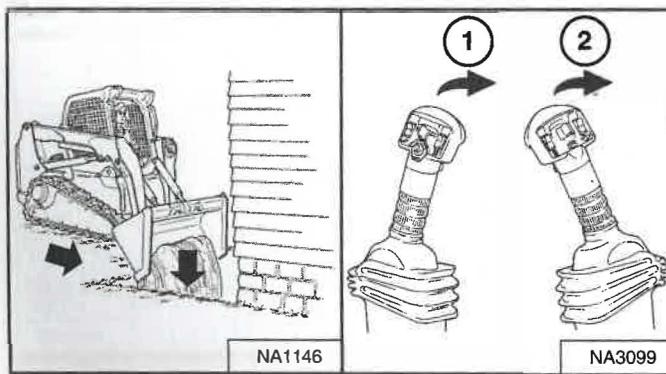
Figure 169



Tilt the bucket backward (Item 1) [Figure 169] fully when the bucket is full.

Filling

Figure 170



Lower the lift arms (Item 1) and put the cutting edge of the bucket on the ground (Item 2) [Figure 170]. Drive forward to the edge of the hole to push the material into the hole.

Tilt the bucket forward (Item 2) [Figure 170] as soon as the bucket is past the edge of the hole.

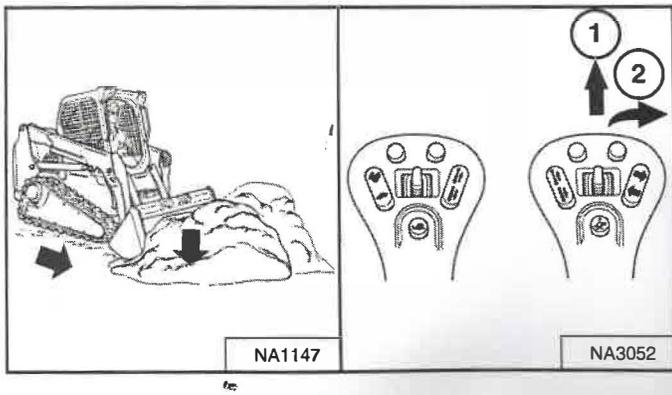
If necessary, raise the lift arms to empty the bucket.

OPERATING PROCEDURE (CONT'D)

Filling And Emptying The Bucket (SJC – 'ISO' Pattern)

Filling

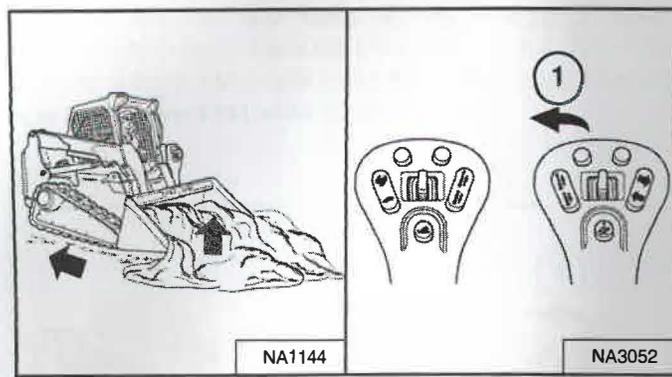
Figure 171



Lower the lift arms all the way (Item 1) [Figure 171].

Tilt the bucket forward (Item 2) [Figure 171] until the cutting edge of the bucket is on the ground. Drive slowly forward into the material.

Figure 172



Tilt the bucket backward (Item 1) [Figure 172] all the way when the bucket is full.

Drive backward away from the material.

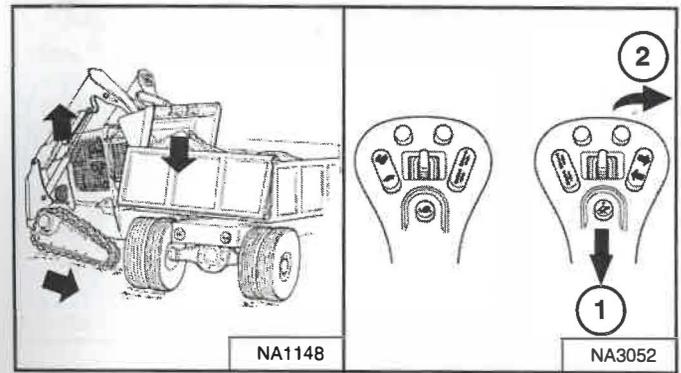
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W-2056-1112

Emptying

Figure 173



Keep the bucket low when moving to the area where you want to empty the bucket.

Raise the lift arms (Item 1). Level the bucket (Item 2) [Figure 173] while raising the lift arms to help prevent material from falling off the back of the bucket.

Drive forward slowly until the bucket is over the top of the truck box or bin.

Empty the bucket (Item 2) [Figure 173]. If all material is near the side of the truck or bin, use the bucket tilt to move the material to the other side.

! WARNING

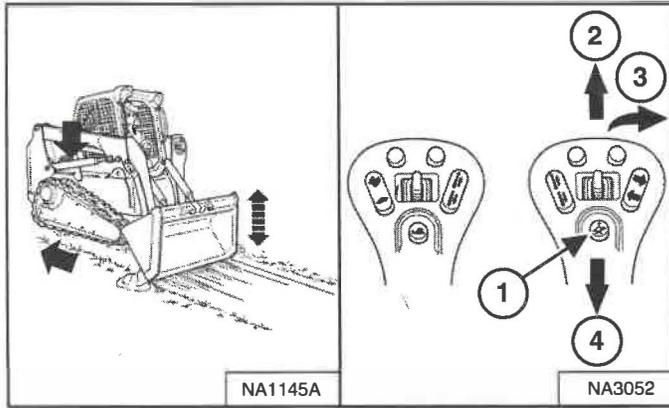
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W-2057-0694

OPERATING PROCEDURE (CONT'D)

Leveling The Ground Using Float (SJC – 'ISO' Pattern)

Figure 174



Press and hold the Float button (Item 1) while the joystick is in neutral. While lowering the lift arms (Item 2) [Figure 174], release the Float button.

Tilt the bucket forward (Item 3) [Figure 174] to change the position of the cutting edge of the bucket.

With the bucket tilted farther forward, there is more force on the cutting edge and more loose material can be moved.

Drive backward to level loose material.

To disengage, press the Float button again or raise the lift arms (Item 4) [Figure 174].

IMPORTANT

Never drive forward when the hydraulic control for lift arms is in float position.

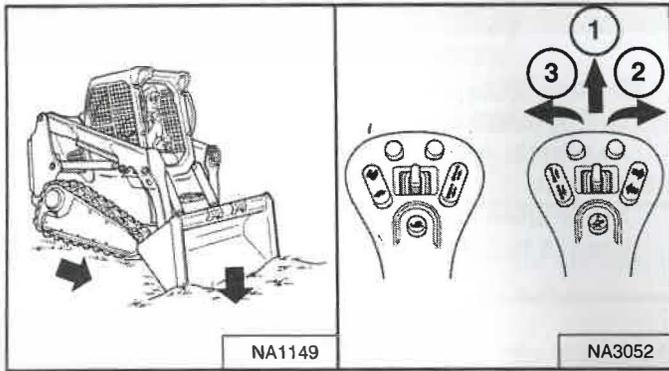
I-2005-1285

OPERATING PROCEDURE (CONT'D)

Digging And Filling A Hole (SJC – 'ISO' Pattern)

Digging

Figure 175

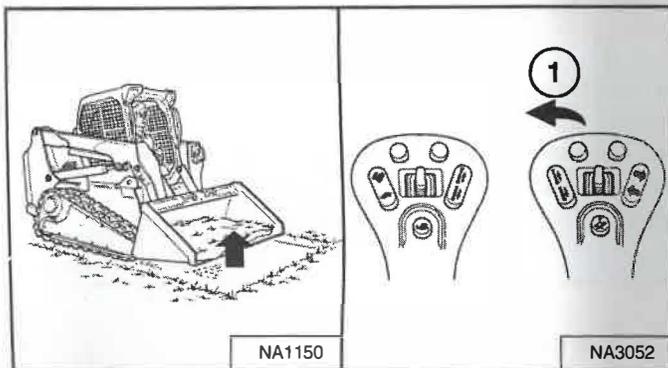


Lower the lift arms all the way (Item 1). Put the cutting edge of the bucket on the ground (Item 2) [Figure 175].

Drive forward slowly and continue to tilt the bucket down (Item 2) [Figure 175] until the bucket enters the ground.

Tilt the bucket backward a small amount (Item 3) to increase traction and keep an even digging depth. Continue to drive forward until the bucket is full. When the ground is hard, raise and lower the cutting edge (Items 2 and 3) [Figure 175] while driving forward.

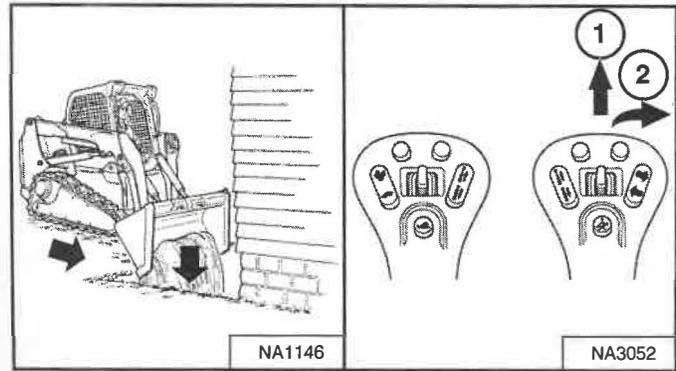
Figure 176



Tilt the bucket backward (Item 1) [Figure 176] fully when the bucket is full.

Filling

Figure 177



Lower the lift arms (Item 1) and put the cutting edge of the bucket on the ground (Item 2) [Figure 177]. Drive forward to the edge of the hole to push the material into the hole.

Tilt the bucket forward (Item 2) [Figure 177] as soon as the bucket is past the edge of the hole.

If necessary, raise the lift arms to empty the bucket.