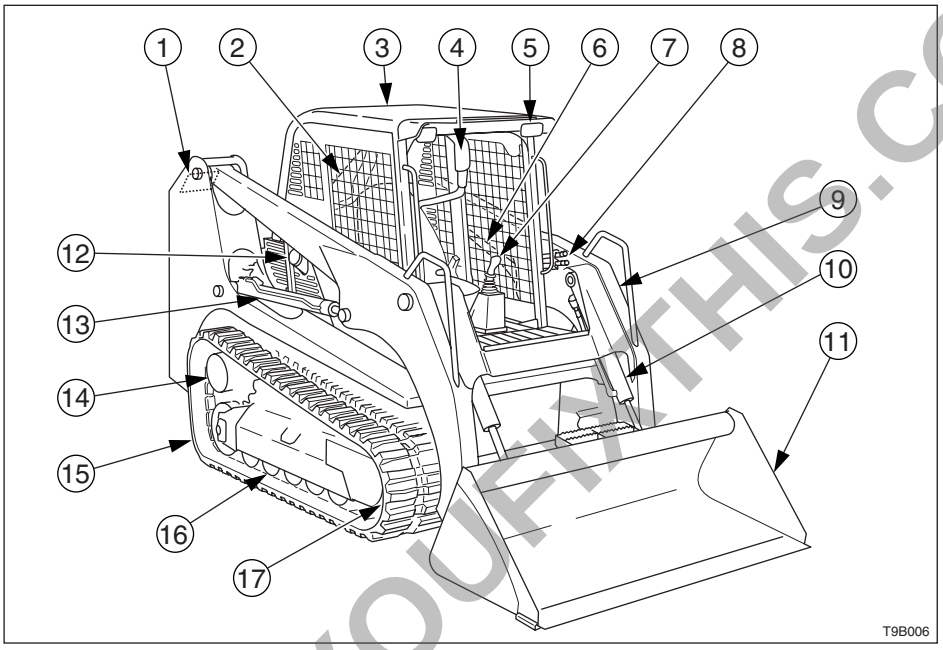


1. Tail light
2. Hydraulic tank
3. ROPS / FOPS
4. Safety bar
5. Front light
6. Lift arm stop
7. Left control lever
8. Auxiliary hydraulic lines
9. Lift arm
10. Bucket cylinder
11. Bucket
12. Fuel filler cap
13. Arm cylinder
14. Travel motor
15. Rubber track
16. Track roller
17. Idler

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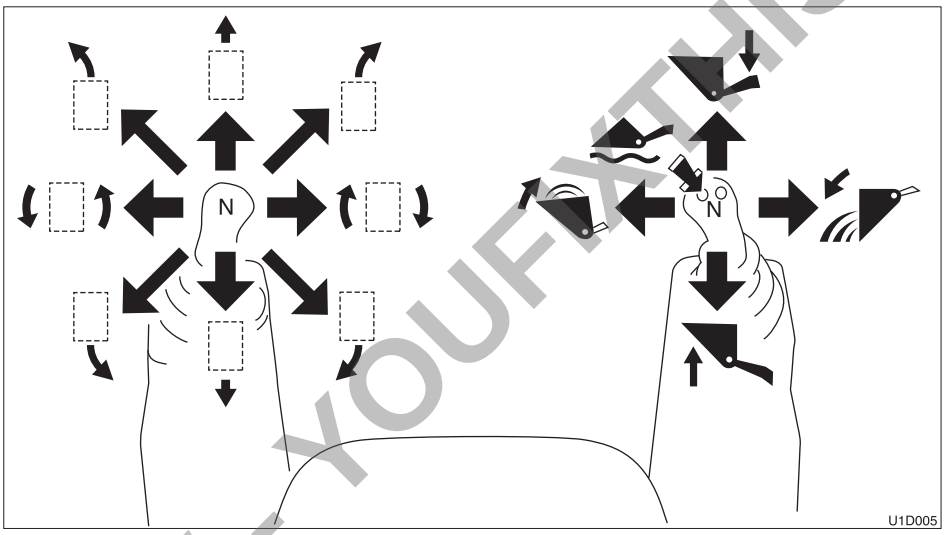
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Lever Pattern

⚠ WARNING

- **Be careful to check which pattern of lever control arrangement you are operating with before beginning operations.**

The explanations in this manual are for this pattern.



	Crawler Forward		Lift Arm Lower
	Crawler Reverse		Lift Arm Raise
	Left Spin Turn		Bucket Rollback
	Right Spin Turn		Bucket Dump
	Left Pivot Turn		Lift Arm Float
	Right Pivot Turn	N	Neutral
	Right Pivot Turn Reverse		
	Left Pivot Turn Reverse		

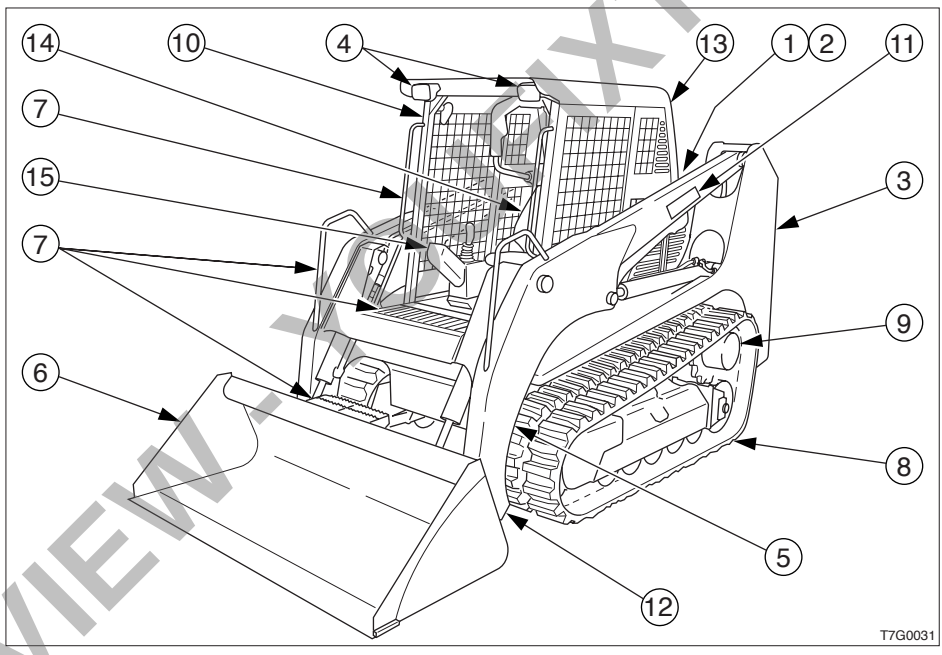
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Perform the following inspections once every day before starting the engine the first time.

⚠ WARNING

- **Before operating, perform the walk-around inspections and make repairs immediately if any irregularities are found.**
- **Be sure to secure the engine hood or rear door when opening it. Do not open the engine hood or rear door on slopes or in strong winds.**

Before starting the engine, look around the machine and lower chassis, clean any combustible materials off high temperature parts of the engine, and inspect for irregularities, such as oil leakage, water leakage and loose nuts and bolts.



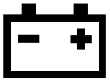
Inspecting by Opening the Engine Hood and Rear Door

1. Check for any twigs, leaves, oil or other combustible materials around the engine and battery.
2. Check for oil and engine coolant water leakage around the engine.
3. Check for oil leakage from the hydraulic tank, hydraulic devices, hoses and connections.

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If a Warning Lamp Flashes

If an alarm is sounded or a warning lamp starts flashing during operation, park the machine in a safe place and perform the procedures described below.

Warning lamp	Lamp name	Procedure
 OS0B070	**Engine oil pressure warning lamp**	Inspect the engine oil level. If the lamp is flashing even though the levels are normal or if it continues flashing after oil added, consult a Gehl dealer. Refer to page 117, “Inspecting and Replenishing the Engine Oil.”
 C4B012	**Coolant temperature warning lamp**	This indicates the coolant temperature has risen irregularly and the engine is overheating. Refer to page 157, “If the Engine Overheats.”
 OSOB080	**Battery charge warning lamp**	This indicates there is a problem with the fan belt or charger. Inspect the fan belt for slack or breakage and adjust as necessary. If the lamp continues flashing after maintenance, there is a problem with the charger. Consult a Gehl dealer. Refer to page 125, “Inspecting and Adjusting the Fan Belt.”
 G4B010	**Air cleaner warning lamp**	This indicates the air cleaner filter is clogged. If the air cleaner warning lamp lights, replace the elements immediately. Refer to page 136, “Replacing the Air Cleaner Elements”.

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CTL55

TYPE			ROPS	CAB
MASS				
Machine mass kg (lb.) (not including operator)	Rubber tracks		2720 (5995)	2780 (6130)
PERFORMANCE				
Bucket capacity m^3 (cu.ft.) (standard bucket)	Heaped		0.298 (10.52)	
	Struck		0.223 (7.88)	
Travel speed km/h (mph)	Rubber tracks	1st	6.5 (4.04)	
		2nd	9.3 (5.78)	
Gradeability (degrees)			30	
Ground pressure kPa (psi)	Rubber tracks		32.1 (4.65)	32.8 (4.75)
Noise level dB (A) <For EU>	Sound-power level		L_{WA} 103	
	Sound-pressure level		L_{pA} 81	
ENGINE				
Manufacturer and model			Yanmar 4TNV84T-ZKTBL	
Rated output kW / min^{-1} (hp / rpm)			38.2 / 2800 (51.2 / 2800)	
Displacement ml (cu.in.)			1995 (121.7)	
Starter V - kW			12 - 2.3	
Alternator V - kW			12 - 0.48	
Battery V - A·h			12 - 72	

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⚠ WARNING

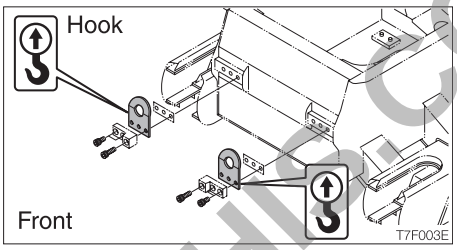
- **Know and use correct crane signals.**
- **Inspect the hoisting equipment daily for damaged or missing parts.**
- **When hoisting, use a wire rope with sufficient strength for the machine's weight.**
- **Do not hoist with the machine in a position other than the one described in the procedure below. Doing so is dangerous, because it may result in the machine losing its balance.**
- **Do not hoist the machine with an operator on it.**
- **When hoisting, hoist slowly so that the machine does not tip.**
- **Keep all other persons out of the area when hoisting. Do not move the machine over the heads of the persons.**

IMPORTANT: This hoisting method applies to machines with standard specifications.
The center-of-gravity differs according to the attachments and options that are mounted.
Consult a Gehl dealer.

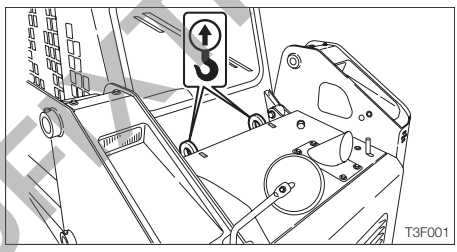
Hoisting

1. Lower the bucket to the ground.
2. Raise the safety bar to engage the lock.
3. Stop the engine and remove the starter key and get off the machine.
4. Install the sling as shown on the diagram. Suspend in such a way that the sling and lifting tool do not touch the chassis.
5. Hoist slowly until the machine just leaves the ground.
6. Stop hoisting until the machine is stable and hoist again slowly.

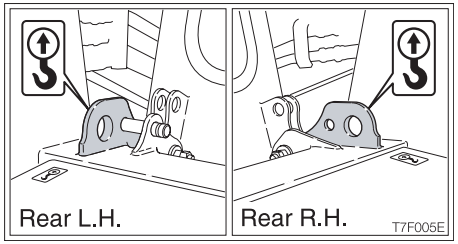
Hoisting position

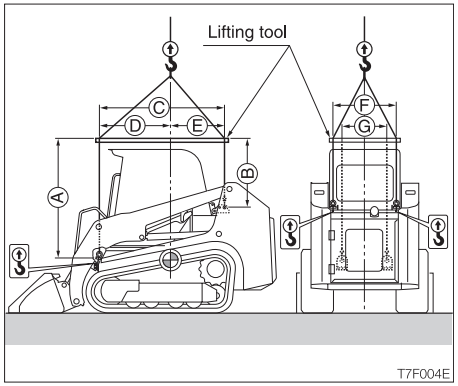


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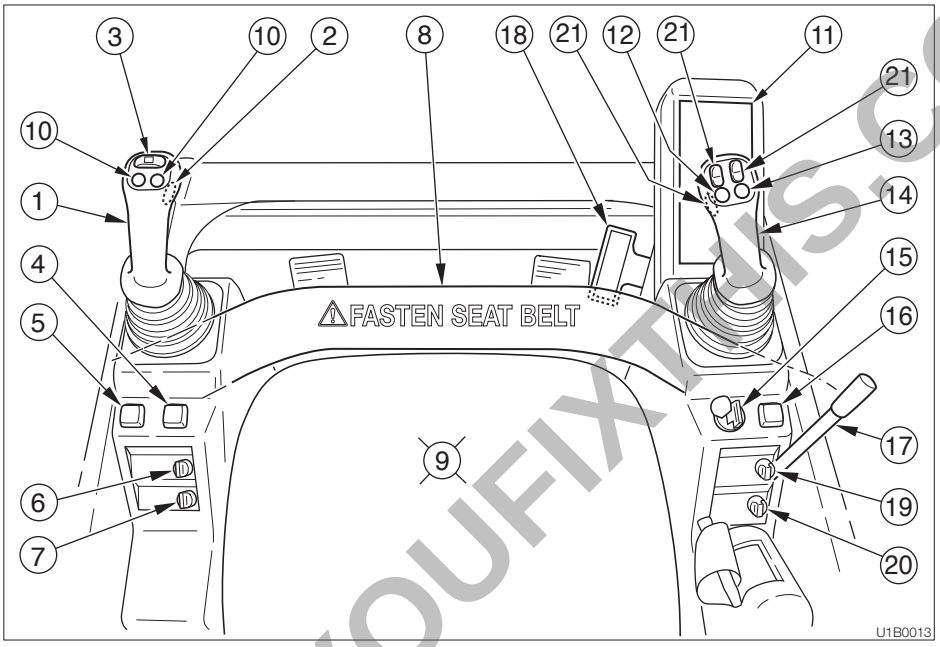


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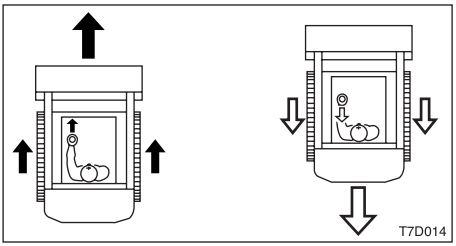


1. Left control lever
2. Travel speed button
3. Slider switch (for auxiliary hydraulic)
4. Detent mode switch (for auxiliary hydraulic switches)
5. Flow selector switch (2-way → 1-way)
6. Front wiper switch (option)
7. Rear wiper switch (option)
8. Safety bar
9. Seat
10. Auxiliary hydraulic buttons
11. Instrument panel
12. Float button
13. Horn button
14. Right control lever
15. Ignition switch
16. High-flow switch (option)
17. Throttle lever
18. Throttle pedal
19. Front light switch
20. Tail light switch
21. Multifunction buttons

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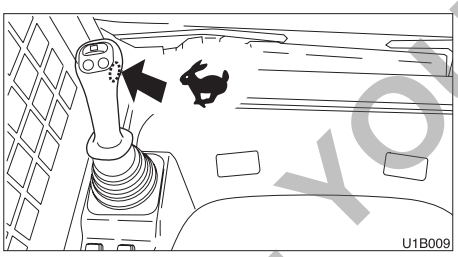
Forward and Reverse Travel



➡ To move forward:
Push the left control lever forward.

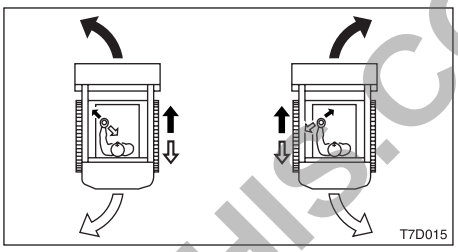
⇨ To move backward:
Pull the left control lever rearward.

Traveling in 2nd (High) Speed



Press the travel speed button on the left control lever to switch to 2nd (high) speed, and press it again to return to 1st speed (low speed).

Pivot Turn



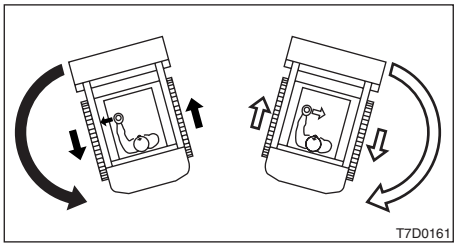
Turning to the left:

➡ To turn forward to the left:
Tilt the left control lever forward to the left.

⇨ To turn rearward to the left:
Tilt the left control lever rearward to the right.

To turn to the right, operate the left control lever in the opposite way.

Spin Turn



➡ To spin left:
Tilt the left control lever to the left.

⇨ To spin right:
Tilt the left control lever to the right.

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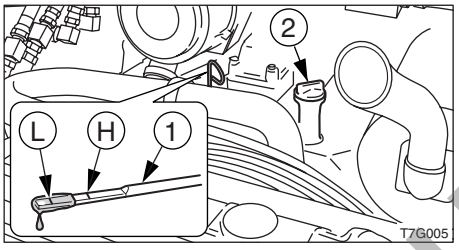
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Inspecting and Replenishing the Engine Oil

⚠ WARNING

Stop the engine and allow the machine to cool before performing inspection and maintenance.

Inspection



1. Open the engine hood.
2. Pull out the dipstick (1) and wipe off the oil with a rag.
3. Fully reinsert the dipstick (1), then pull it back out.
4. Check the oil on the dipstick (1).
   The level should be between the upper limit (H) and lower limit (L).
   If it is below the lower limit (L), replenish.

Replenishing

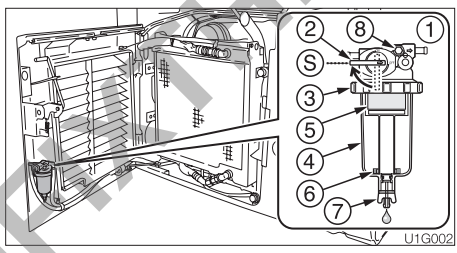
1. Remove the oil supply cap (2).
2. Add oil up to the upper limit (H) of the dipstick (1).
   Problems could arise if the oil level is either too low or too high.
3. Tighten the oil supply cap (2).
4. Start the engine, run it at low idle for about 3 minutes, then stop it.
5. After about 10 minutes, inspect the oil level.

Inspecting the Water Separator

⚠ WARNING

Stop the engine and allow the machine to cool before performing inspection and maintenance.

< CTL55 / CTL65 / CTL75 >



Ⓢ : Closed

1. Open the rear door.
2. Inspect the water separator (1).
   If the red indicator ring (6) is sunk to the bottom of the case (4), no water is mixed in.
   If the red indicator ring (6) is floating, there is water up to the bottom of the ring. Drain the water and clean.
3. Place a pan under the drain valve (7).
4. Open the drain valve (7) and drain the water.
   If the water does not drain easily, loosen the vent plug (8).
5. Close the drain valve (7) and vent plug (8).
   Refer to page 134, “Cleaning the Water Separator.”

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For symptoms not included on the table below or if the problem persists after the proper procedures have been taken, consult a Gehl sales or service outlet.

Symptoms	Main cause	Procedure
Left and right control levers do not move smoothly	• Insufficient grease on left and right control levers	• Add grease. Refer to page 150.
Lift arms, bucket, auxiliary hydraulics or traveling operation not possible	• Safety bar is raised • Fuse is blown	• Lower the safety bar. Refer to page 59. • Replace the fuse. Refer to page 160.
Scooping or lifting force is insufficient	• Insufficient hydraulic oil level • Hydraulic oil is not heated • Air cleaner is clogged • Hydraulic oil is not of suitable type	• Replenish to the prescribed level. Refer to page 119. • Perform the warm-up procedure. Refer to page 75. • Replace the air cleaner. Refer to page 136. • Replace the hydraulic oil. Refer to page 144.
Traveling is not possible or not smooth	• Stones or foreign objects are stuck	• Remove the foreign object.
Machine does not travel straight forward	• Stones or foreign objects are stuck	• Remove the foreign object.
Operation is not possible with the various switches	• Fuse is blown • Safety bar is raised	• Replace the fuse. Refer to page 160. • Lower the safety bar. Refer to page 59.
Travel speed cannot be changed	• Fuse is blown	• Replace the fuse. Refer to page 160.
Hydraulic oil temperature is too high	• Insufficient hydraulic oil	• Replenish to the prescribed level. Refer to page 119.

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CTL65

TYPE			ROPS
MASS			
Machine mass kg (lb.) (not including operator)	Rubber tracks		3635 (8015)
PERFORMANCE			
Bucket capacity m^3 (cu.ft.) (standard bucket)	Heaped		0.351 (12.4)
	Struck		0.260 (9.18)
Travel speed km/h (mph)	Rubber tracks	1st	7.3 (4.54)
		2nd	10.9 (6.77)
Gradeability (degrees)			30
Ground pressure kPa (psi)	Rubber tracks		35.7 (5.18)
Noise level dB (A) <For EU>	Sound-power level		L_{WA} 103
	Sound-pressure level		L_{pA} 85
ENGINE			
Manufacturer and model			Yanmar 4TNV98-ZNTBL
Rated output kW / min^{-1} (hp / rpm)			50.1 / 2500 (67.1 / 2500)
Displacement ml (cu.in.)			3319 (203)
Starter V - kW			12 - 3.0
Alternator V - kW			12 - 0.48
Battery V - A·h			12 - 80

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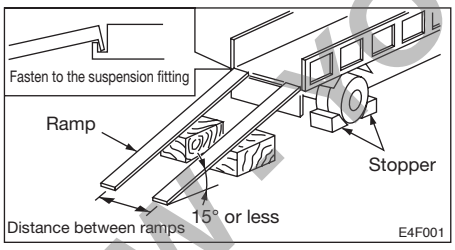
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⚠ WARNING

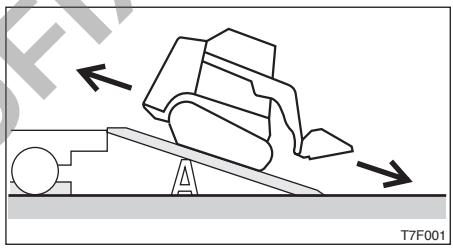
The machine may roll or tip over or fall while loading or unloading it. Take the following precautions:

- **Select a firm, level surface and keep sufficient distance from road shoulders.**
- **Use loading ramps of adequate strength and size. Maintain the slope of loading ramps to 15 degrees or less.**
- **Keep the truck bed and loading ramps clean of oil, clay, ice, snow, and other materials that can become slippery. Clean the tracks.**
- **Never change course on the ramp.**

When loading or unloading the machine, be sure to use ramps and follow the procedure below:



1. Apply the truck's parking brake and place chocks (stoppers) against its tires.
2. Fasten the ramps securely to the truck bed so that they will not come off. Set the ramps to an angle of 15° or less.
3. Move the machine up or down the ramps with the bucket end facing downward.
4. Line up the center of the truck bed with the center of the machine and the center of the ramps with the center of the crawlers.
5. Make sure the bucket does not hit the ramps.
6. Lower the engine speed.



7. Determine the direction on the ramps, then slowly travel up or down the ramps in 1st speed (low speed), following the signals of a flagman.
8. Load the machine properly at the prescribed position on the bed.
   Refer to page 99, "Transporting Position."

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