



Operator's Manual

Serial Number Range

Z[®]-45J

from Z4525F-62000
from Z4525D-3978

DC Power

ANSI/CSA
North America
South America
Asia

with
Maintenance
Information

Original Instructions
Fifth Edition
Second Printing
Part No. 1297032GT

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General Safety

⚠ DANGER

Tip-over Hazard
Do not use all-terrain tires.

This machine is equipped with foam-filled tires. Wheel weight and proper counterweight configuration are critical to stability.

Substitute from the 2000
The max. 6-5/8 CT
Power/Weight, Minimum Free Weight 225 lbs (102 kg)
Wheel Lug Torque 200-225 ft-lbs / 273 Nm
Lubricant 84 8-04 / 137 lps

1299743

⚠ DANGER

Tip-over Hazard
Attaching or disabling sensors or limit switches can result in machine tip-over. Machine tip-over will result in death or serious injury.

Do not alter or disable sensors and/or limit switches.

31060

⚠ DANGER

Excessive use of the lift can result in lift over-heat, burn or other use in violation of machine power or electrical code.

Read and understand all safety warnings, precautions and instructions. Do not operate the machine until you are familiar with the controls and operation.

Do not use the machine if you are not trained or authorized to do so. Consult your supervisor, the owner or the manufacturer.

31788

⚠ DANGER

Tip-over Hazard
Failure to remove batteries with proper weight batteries will cause death or serious injury.

Batteries are used as counterweight and are critical to machine stability. Batteries must weigh a minimum of 100 lbs (45 kg). Battery box including battery must weigh a minimum of 200 lbs / 90 kg.

31787

⚠ WARNING

Assembled Inspection Hazard
Failure to complete required inspections could result in death or serious injury.

Examine the machine before use. Look for damage to the machine, including the tires, controls, and safety devices. Do not use the machine if you find any damage or if you are not sure of the machine's condition.

Use the following table to determine the correct tire size for your machine. Do not use a tire size that is not listed in the table.

Year	Color	Tire Size
2000	Blue	12.00-16
2001	Blue	12.00-16
2002	Blue	12.00-16
2003	Blue	12.00-16
2004	Blue	12.00-16
2005	Blue	12.00-16
2006	Blue	12.00-16
2007	Blue	12.00-16
2008	Blue	12.00-16
2009	Blue	12.00-16
2010	Blue	12.00-16
2011	Blue	12.00-16
2012	Blue	12.00-16
2013	Blue	12.00-16
2014	Blue	12.00-16
2015	Blue	12.00-16
2016	Blue	12.00-16
2017	Blue	12.00-16
2018	Blue	12.00-16
2019	Blue	12.00-16
2020	Blue	12.00-16
2021	Blue	12.00-16
2022	Blue	12.00-16
2023	Blue	12.00-16
2024	Blue	12.00-16
2025	Blue	12.00-16

52865

⚠ DANGER

Failure to use proper tie-down technique could result in death or serious injury.

Use proper tie-down technique. Do not use the machine if you are not trained or authorized to do so. Consult your supervisor, the owner or the manufacturer.

31788

⚠ DANGER

Tip-over Hazard
Do not use all-terrain tires.

This machine is equipped with foam-filled tires. Wheel weight and proper counterweight configuration are critical to stability.

Substitute from the 2000
The max. 6-5/8 CT
Power/Weight, Minimum Free Weight 225 lbs (102 kg)
Wheel Lug Torque 200-225 ft-lbs / 273 Nm
Lubricant 84 8-04 / 137 lps

1299743

⚠ DANGER

Improper use of the ground AC 2-wire cordset can result in death or serious injury.

Do not use the machine if you are not trained or authorized to do so. Consult your supervisor, the owner or the manufacturer.

31508

⚠ DANGER

Tip-over Hazard
Attaching or disabling sensors or limit switches can result in machine tip-over. Machine tip-over will result in death or serious injury.

Do not alter or disable sensors and/or limit switches.

31060

⚠ WARNING

Crash hazard
Contact with moving parts of boom can result in death or serious injury.

Do not use the machine if you are not trained or authorized to do so. Consult your supervisor, the owner or the manufacturer.

29104

⚠ WARNING

Crash Hazard
Contact with moving parts of boom can result in death or serious injury.

Do not use the machine if you are not trained or authorized to do so. Consult your supervisor, the owner or the manufacturer.

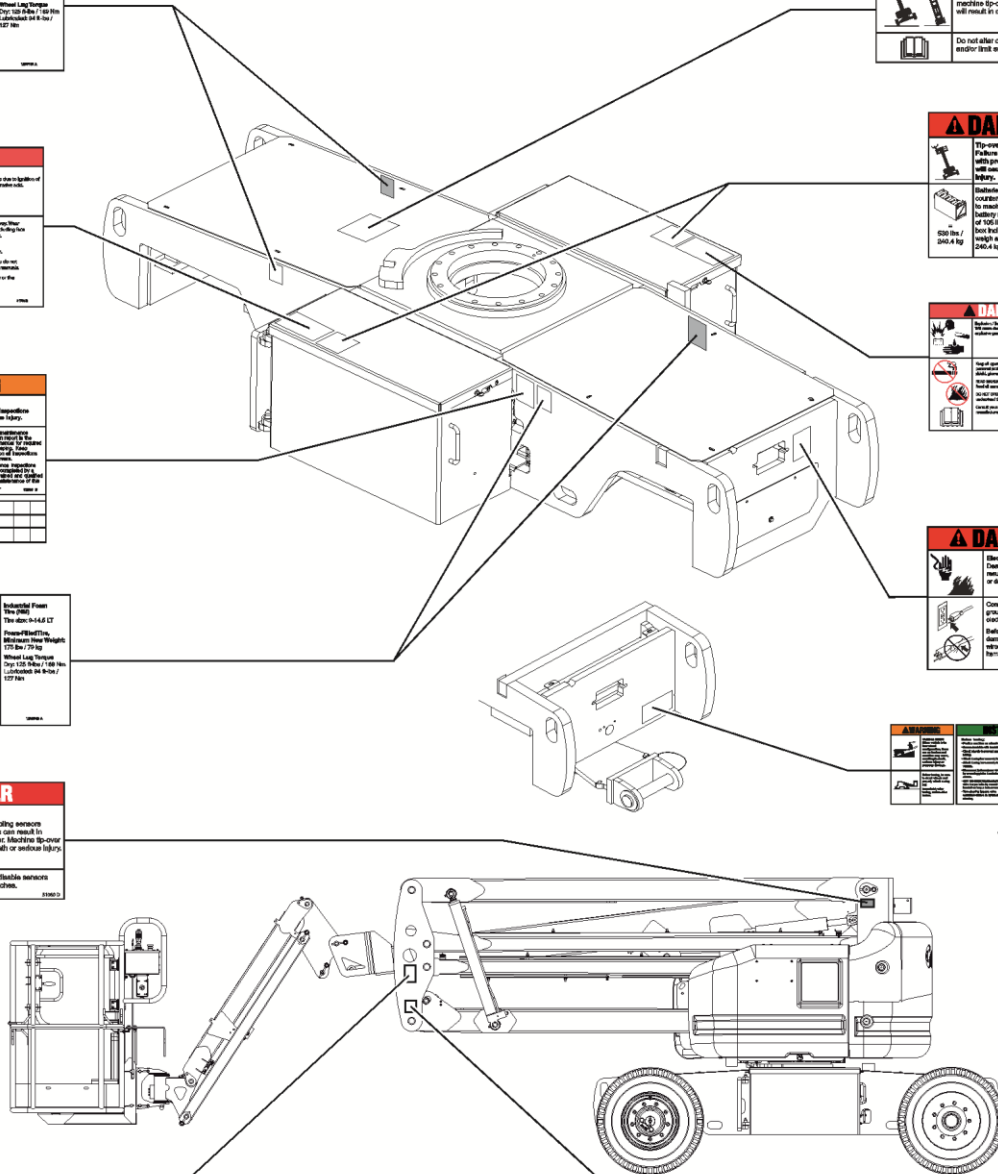
1267121

⚠ DANGER

Tip-over Hazard
Attaching or disabling sensors or limit switches can result in machine tip-over. Machine tip-over will result in death or serious injury.

Do not alter or disable sensors and/or limit switches.

31060



Work Area Safety

Do not use batteries that weigh less than the original equipment. Batteries are used as counterweight and are critical to machine stability. Each battery must weigh a minimum of 105 lbs / 47.6 kg. Each battery box including batteries must weigh a minimum of 530 lbs / 240.4 kg.

Do not use the machine as a crane.

Do not push the machine or other objects with the boom.

Do not contact adjacent structures with the boom.

Do not tie the boom or platform to adjacent structures.

Do not place loads outside the platform perimeter.

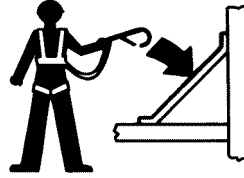
▲ Operation on Slopes Hazards

Do not drive the machine on a slope that exceeds the maximum uphill, downhill or side slope rating of the machine. Slope rating applies only to machines in the stowed position.

Maximum slope rating, stowed position		
Platform downhill	30%	(17°)
Platform uphill	20%	(11°)
Side slope	25%	(14°)

Note: Slope rating is subject to ground conditions with one person in the platform and adequate traction. Additional platform weight may reduce slope rating. See Driving on a Slope in the Operating Instructions section.

▲ Fall Hazards



Occupants must wear a safety belt or harness in accordance with governmental regulations. Attach the lanyard to the anchor provided in the platform.



Do not sit, stand, or climb on the platform guard rails. Maintain a firm footing on the platform floor at all times.



Do not climb down from the platform when raised.

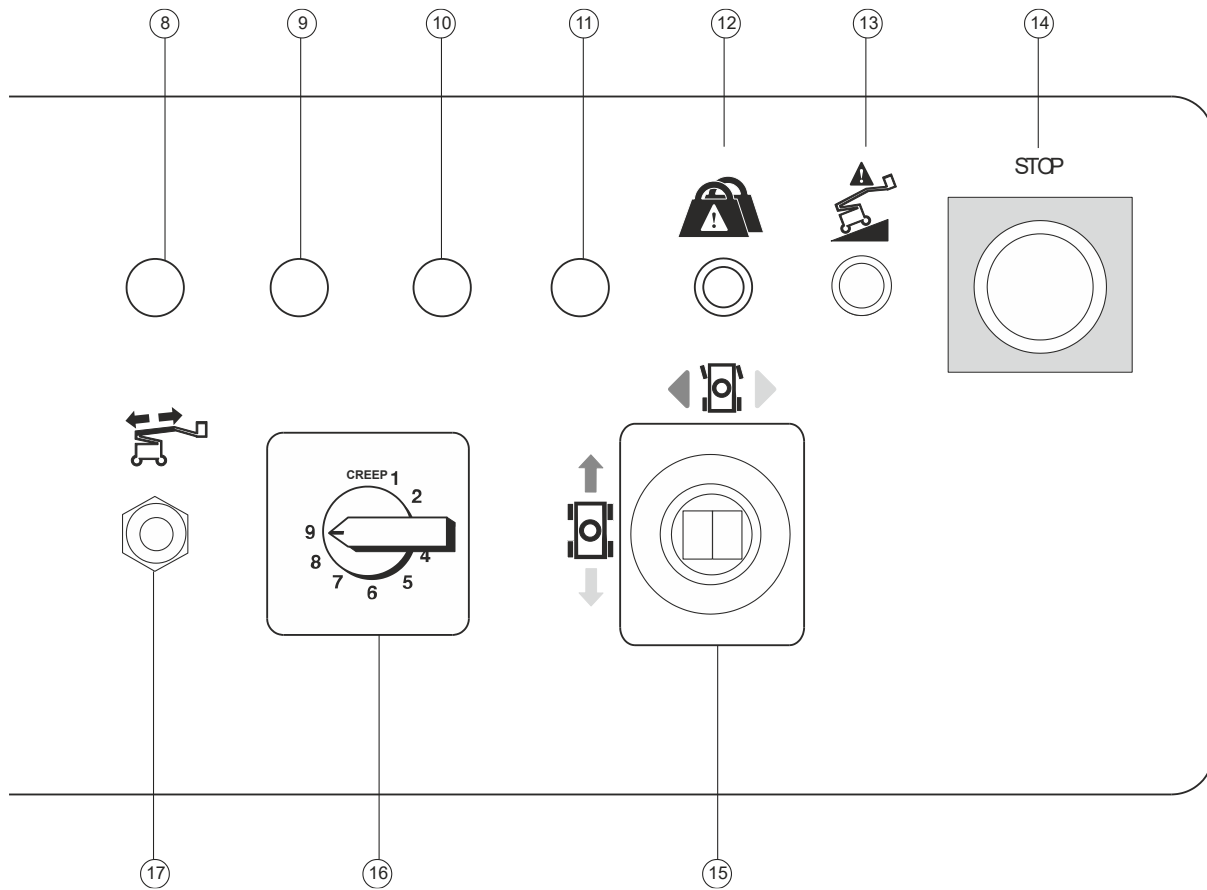
Keep the platform floor clear of debris.

Lower the platform entry mid-rail or close the entry gate before operating.

Do not enter or exit the platform unless the machine is in the stowed position and the platform is at ground level.

Hazards related with the specific product application of exiting at height have been considered in the design of the machine, for further information contact Genie (see section Contacting the Manufacturer).

Controls



- 16 Boom function speed controller
- 17 Primary boom extend/retract switch
- 18 Primary boom up/down switch
- 19 Secondary boom up/down switch
- 20 Turntable rotate switch
- 21 Battery charge indicator

Inspections

- 51 Return to level ground and stow the boom.
- 52 With the boom fully stowed, drive the machine onto a slope where the chassis pitch angle is greater than 2.5°.
- ⦿ Result: The machine should continue to drive.
- 53 Return to level ground and raise the secondary boom to an out of stowed position (approximately 15° above horizontal).
- ⦿ Result: The machine should stop once the machine reaches 2.5° of chassis tilt and the alarm should sound at the platform controls.
- 54 Lower the secondary boom to the stowed position or drive in the opposite direction.
- ⦿ Result: The machine should drive.
- 55 With the boom fully stowed, drive the machine onto a slope where the chassis pitch angle is greater than 2.5°.
- ⦿ Result: The machine should continue to drive.
- 56 Return to level ground and raise the primary boom to an out of stowed position (approximately 10° above horizontal).
- 57 Drive the machine onto a slope where the chassis roll angle is greater than 4.5°.
- ⦿ Result: The machine should stop once the machine reaches 4.5° of chassis tilt and the alarm should sound at the platform controls.
- 58 Lower the primary boom to the stowed position or drive in the opposite direction.
- ⦿ Result: The machine should drive.
- 59 Return to level ground and extend the primary boom approximately 1.6 ft / 0.5 m.
- 60 Drive the machine onto a slope where the chassis roll angle is greater than 4.5°.
- ⦿ Result: The machine should stop once the machine reaches 4.5° of chassis tilt and the alarm should sound at the platform controls.
- 61 Retract the primary boom to the stowed position.
- ⦿ Result: The machine should drive.
- 62 Return to level ground and stow the boom.
- 63 With the boom fully stowed, drive the machine onto a slope where the chassis roll angle is greater than 4.5°.
- ⦿ Result: The machine should continue to drive.
- 64 Return to level ground and raise the secondary boom to an out of stowed position (approximately 15° above horizontal).
- 65 Drive the machine onto a slope where the chassis roll angle is greater than 4.5°.
- ⦿ Result: The machine should stop once the machine reaches 4.5° of chassis tilt and the alarm should sound at the platform controls.
- 66 Lower the primary boom to the stowed position.
- ⦿ Result: The machine should drive.

Operating Instructions

To Drive

- 1 Press down the foot switch.
- 2 Increase speed: Slowly move the control handle off center.

Decrease speed: Slowly move the control handle toward center.

Stop: Return the control handle to center or release the foot switch.

Use the color-coded direction arrows on the platform controls and the drive chassis to identify the direction the machine will travel.

Machine travel speed is restricted when the booms are raised or extended.

Drive Enable

Light on indicates that the boom has moved just past either non-steer wheel and the drive function has been interrupted.



To drive, hold the drive enable switch to either side and slowly move the drive control handle off center.

Be aware that the machine may move in the opposite direction that the drive and steer controls are moved.

Always use the color-coded direction arrows on the platform controls and the drive chassis to identify the direction the machine will travel.

▲ Driving on a slope

Determine the uphill, downhill and side slope ratings for the machine and determine the slope grade.



Maximum slope rating, platform downhill (gradeability):

30% (17°)



Maximum slope rating, platform uphill:

20% (11°)



Maximum side slope rating:

25% (14°)

Note: Slope rating is subject to ground conditions with one person in the platform and adequate traction. Additional platform weight may reduce slope rating. The term gradeability applies to the platform downhill configuration only.

Be sure the boom is below horizontal and the platform is between the non-steer wheels.

Move the drive speed select switch to machine on incline symbol.

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