Genie
A TEREX BRAND

Operator's Manual

Serial Number Range

Z®-45J

from Z4525F-62000
from Z4525D-3978

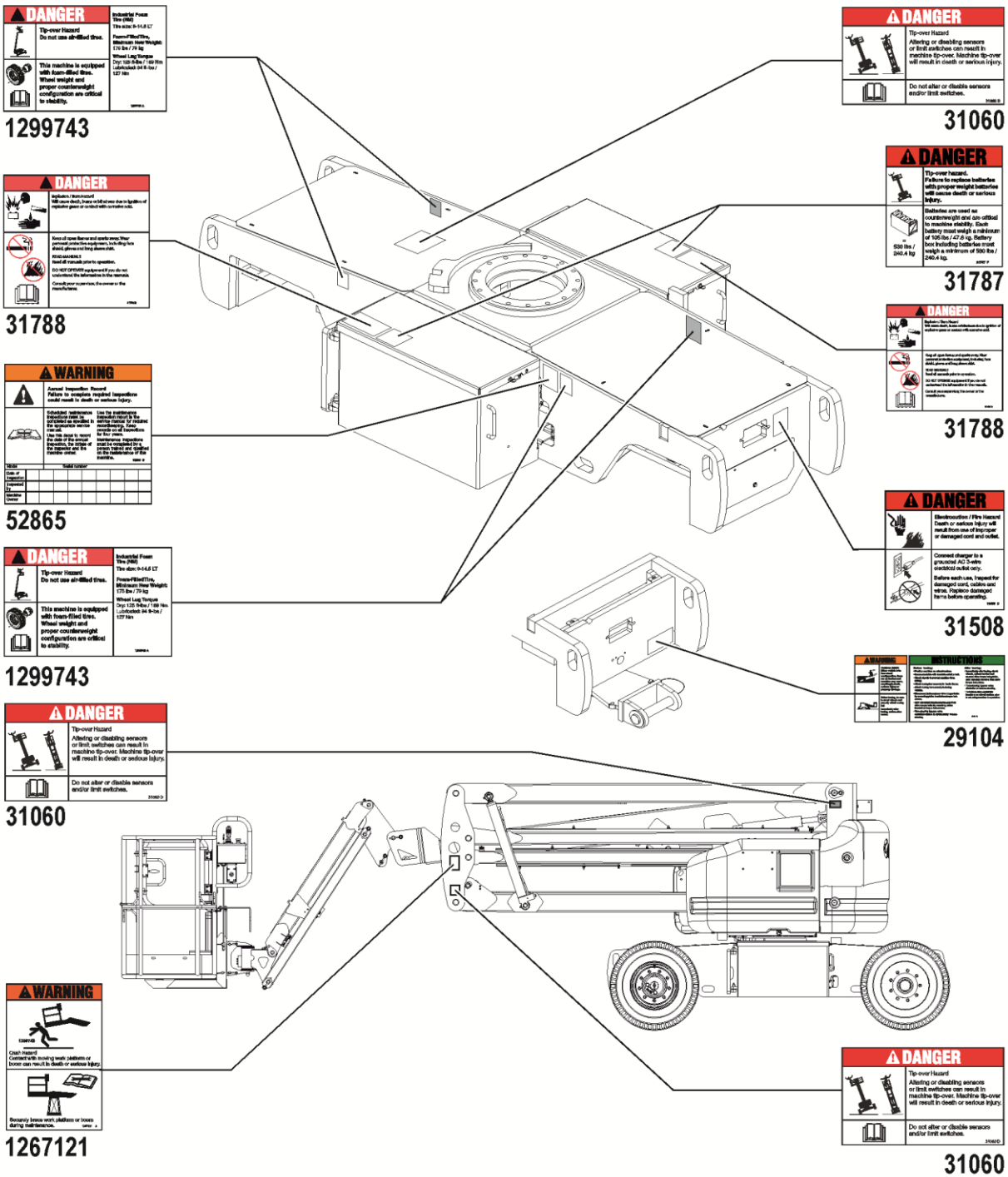
ANSI/CSA
North America
South America
Asia

DC Power

with
Maintenance
Information

Original Instructions
Fifth Edition
Second Printing
Part No. 1297032GT

General Safety



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.

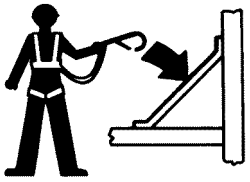
⚠ Operation on Slopes Hazards

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.

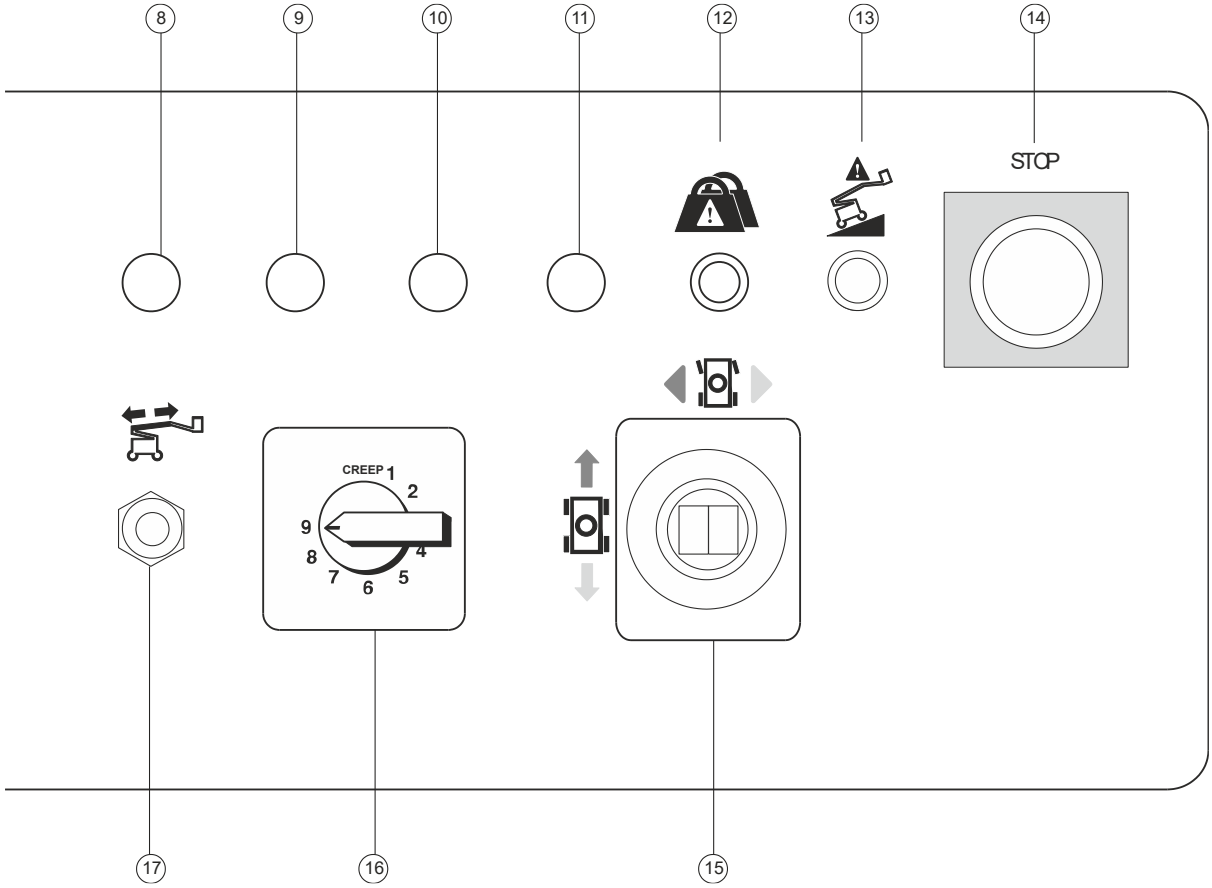
Keep the platform floor clear of debris.

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.