



# Operator's Manual

Serial Number Range

**ZX<sup>®</sup>-135/70**

from ZX135H-4001

*with Jib - Extend<sup>®</sup>*

CE  
PK  
PK

with  
Maintenance  
Information

Original Instructions  
Third Edition  
Fourth Printing  
Part No. 1272823GT

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

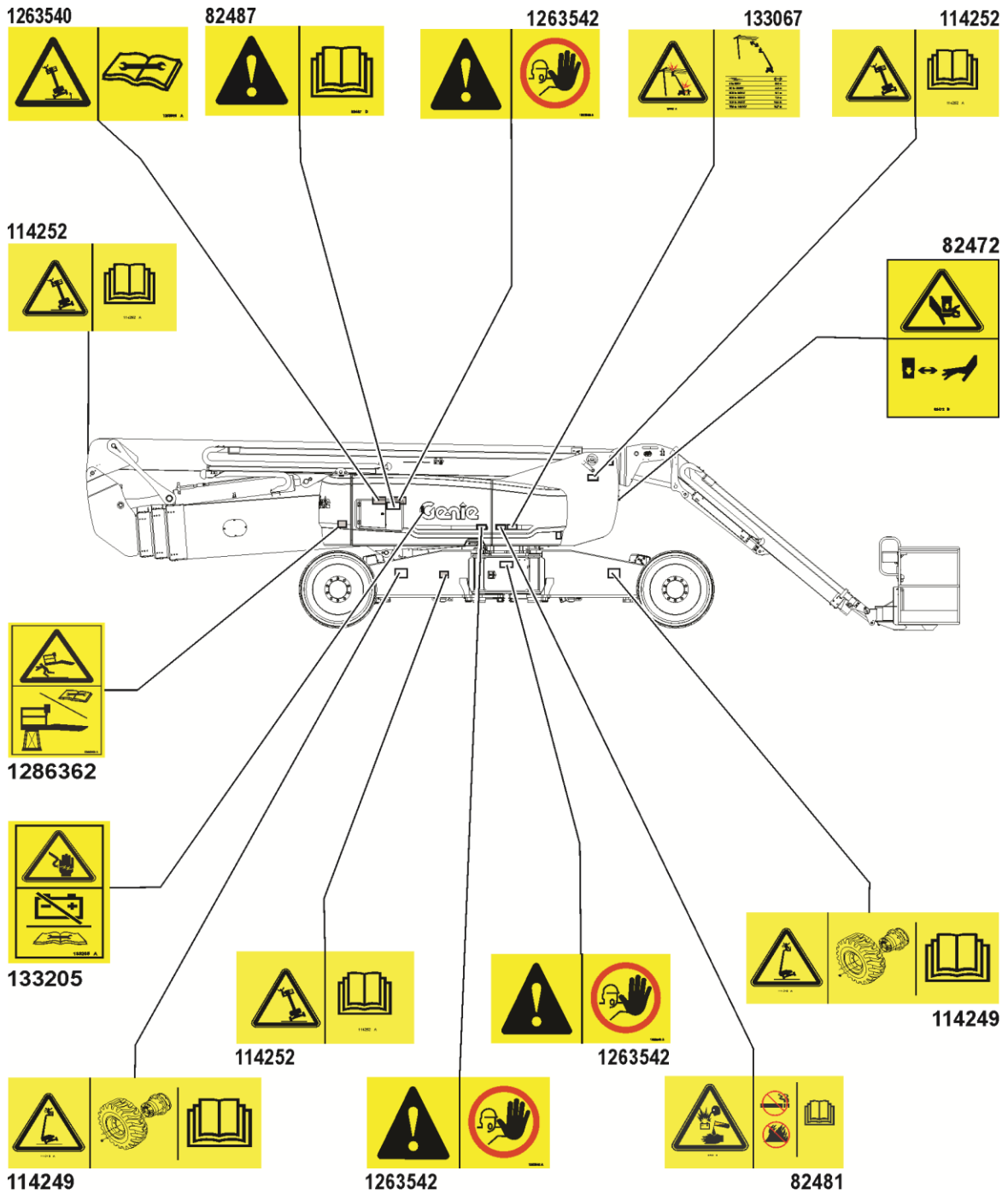
- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: [www.heydownloads.com](http://www.heydownloads.com) by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

# General Safety



## Work Area Safety

### ⚠ Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

Conduct a thorough pre-operation inspection of the machine and test all functions before each work shift. Immediately tag and remove from service a damaged or malfunctioning machine.

Be sure all maintenance has been performed as specified in this manual and the appropriate Genie service manual.

Be sure all decals are in place and legible.

Be sure the operator's manual is complete, legible, and in the storage container located on the machine.

### ⚠ Component Damage Hazards

Do not use any battery or charger greater than 12V to jump-start the engine. Apply jumper cables to the starter and controls battery, not the auxiliary power batteries.

Do not use the machine as a ground for welding unless the machine is equipped with the weld line to platform option and it is properly connected.

### ⚠ Contact Alarm Safety

Read, understand and obey all warnings and instructions provided with the contact alarm.

Do not exceed the rated platform capacity. The weight of the contact alarm assembly will reduce the rated platform capacity and must be subtracted from the total platform load.

The contact alarm assembly weighs 10 lbs/4.5 kg.

Be sure the contact alarm is securely installed.

## Controls

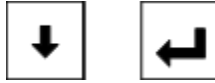
### Platform Control Panel

- 1 Horn button  
Press this button and the horn will sound.  
Release the button and the horn will stop.
- 2 Platform not level indicator light  
Level the platform until the light is off. The platform level toggle switch will only work in the direction that will level the platform.
- 3 Machine on incline indicator light  
Light on indicates all functions have stopped. See the instructions in the Operating Instructions section.
- 4 Lower primary boom indicator light  
Lower the primary boom until the light is off.
- 5 Lower / retract secondary boom indicator light  
Lower/retract the secondary boom until the light is off.
- 6 Used for optional equipment
- 7 Generator switch with indicator light (if equipped)  
Move the generator switch to turn the generator on. Move the switch again to turn the generator off.
- 8 Auxiliary power switch with indicator light  
Use auxiliary power if the primary power source (engine) fails.  
Simultaneously hold the auxiliary power switch to either side and activate the desired function. The indicator light will be on when auxiliary power is being used.
- 9 Diesel models: Glow plug button with indicator light  
Press the glow plug button and hold for 3 to 5 seconds. The glow plug indicator light will be on when the glow plugs are being used.  
Diesel models: Automatic glow plug indicator light  
Amber light indicates glow plugs are on.  
Gasoline/LPG models: Choke button with indicator light  
Press the choke button and hold for 3 to 5 seconds. The choke indicator light will be on when the choke is being used.
- 10 Engine start switch with indicator light  
Move the engine start switch and the engine will start. The engine start indicator light will be on when the switch is moved.

# Inspections

## Test the Operating Envelope

- 27 Press the LCD screen control buttons shown until PRI BOOM ANGLE TO GRAVITY is displayed.



- 28 Raise the primary boom and observe the LCD screen.

- ⦿ Result: The primary boom should raise and the LCD screen should display the primary boom angle in degrees.

- 29 Lower the primary boom.

- 30 Simultaneously press the 2 LCD screen control buttons shown to activate status mode.



- 31 Press the LCD screen control buttons shown until SEC BOOM ANGLE is displayed.



- 32 Press and hold the secondary boom up/extend button.

- ⦿ Result: The secondary boom should raise and the LCD screen should display the secondary boom angle in degrees.

The secondary boom should raise and then extend. The secondary boom should not extend until it is fully raised.

- 33 Press and hold the secondary boom down/retract button.

- ⦿ Result: The secondary boom should fully retract and then lower. The secondary boom should not lower unless it is fully retracted.

# Inspections



## Do Not Operate Unless:

- You learn and practice the principles of safe machine operation contained in this operator's manual.
  - 1 Avoid hazardous situations.
  - 2 Always perform a pre-operation inspection.
  - 3 Always perform function tests prior to use.
  - 4 Inspect the workplace.**

**Know and understand the workplace inspection before going on to the next section.**
  - 5 Only use the machine as it was intended.

## Workplace Inspection Checklist

Be aware of and avoid the following hazardous situations:

- drop-offs or holes
- bumps, floor obstructions, or debris
- sloped surfaces
- unstable or slippery surfaces
- overhead obstructions and high voltage conductors
- hazardous locations
- inadequate surface support to withstand all load forces imposed by the machine
- wind and weather conditions
- the presence of unauthorized personnel
- other possible unsafe conditions

## Workplace Inspection Fundamentals

The workplace inspection helps the operator determine if the workplace is suitable for safe machine operation. It should be performed by the operator prior to moving the machine to the workplace.

It is the operator's responsibility to read and remember the workplace hazards, then watch for and avoid them while moving, setting up, and operating the machine.

## Operating Instructions

### Standstill Regeneration






When the LCD screen displays the message "Regen Required" and the Regeneration lamp is flashing, the DPF (Diesel Particulate Filter) requires a Standstill Regeneration.

- ▲ During the DPF standstill regeneration process, all boom functions are disabled.
- ▲ Keep clear of the engine exhaust and muffler.
- ▲ Don't leave the machine unattended.
- ▲ The DPF standstill regeneration cannot be activated if not requested by the engine, or in the presence of some engine faults.
- ▲ If the standstill regeneration request is ignored, the soot in the DPF can reach extreme levels. The filter will be permanently damaged and will have to be replaced by a qualified service technician.
- ▲ Under emergencies, the DPF standstill regeneration can be interrupted in two ways:
  - The engine is turned off by the key switch.
  - The ESTOP stop button is pushed.

If this occurs, the standstill regeneration may need to be restarted.

- ▲ The DPF standstill regeneration cannot begin until the engine has been run for at least two minutes and the coolant temperature has reached 35°C.

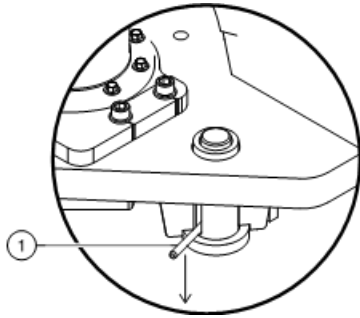
To start the regeneration, proceed as follows.

- 1 Close the engine side cover.
- 2 Select a safe parking location—firm and level, clear of obstructions and traffic, clear of flammable material and clear of explosive gasses.
- 3 Simultaneously press the 2 LCD screen control buttons shown.  
- 4 Press the LCD screen control button until DEUTZ 2.2 STANDSTILL REGEN is displayed. 
- 5 Press the LCD screen control button shown to select YES. 
- 6 The LCD screen displays the message WARNING HIGH EXHAUST TEMP, PRESS ENTER.
- 7 Press the LCD screen control button shown. 

# Transport and Lifting Instructions

## Securing to Truck or Trailer for Transit

Always use the turntable rotation lock pin each time the machine is transported.



1 Turntable rotation lock pin

Turn the key switch to the off position and remove the key before transporting.

Inspect the entire machine for loose or unsecured items.

## Securing the Chassis

Use chains of ample load capacity.

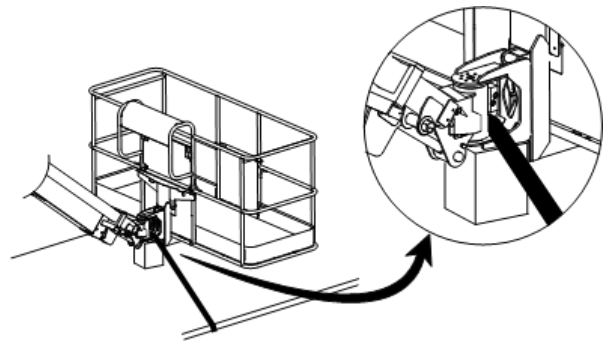
Use a minimum of 6 chains.

Adjust the rigging to prevent damage to the chains.

## Securing the Platform

Place a block under the platform rotator. Do not allow the block to contact the platform cylinder.

Secure the platform with a nylon strap placed through the lower platform support. Do not use excessive downward force when securing the boom section.



CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: [www.heydownloads.com](http://www.heydownloads.com) by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL