



# Operator's Manual

Serial Number Range

**ZX<sup>®</sup>-135/70**

*with Jib - Extend<sup>®</sup>*

from ZX135H-4001

AUS  
Australia

with  
Maintenance  
Information

Original Instructions  
Second Edition  
Fourth Printing  
Part No. 1272824GT

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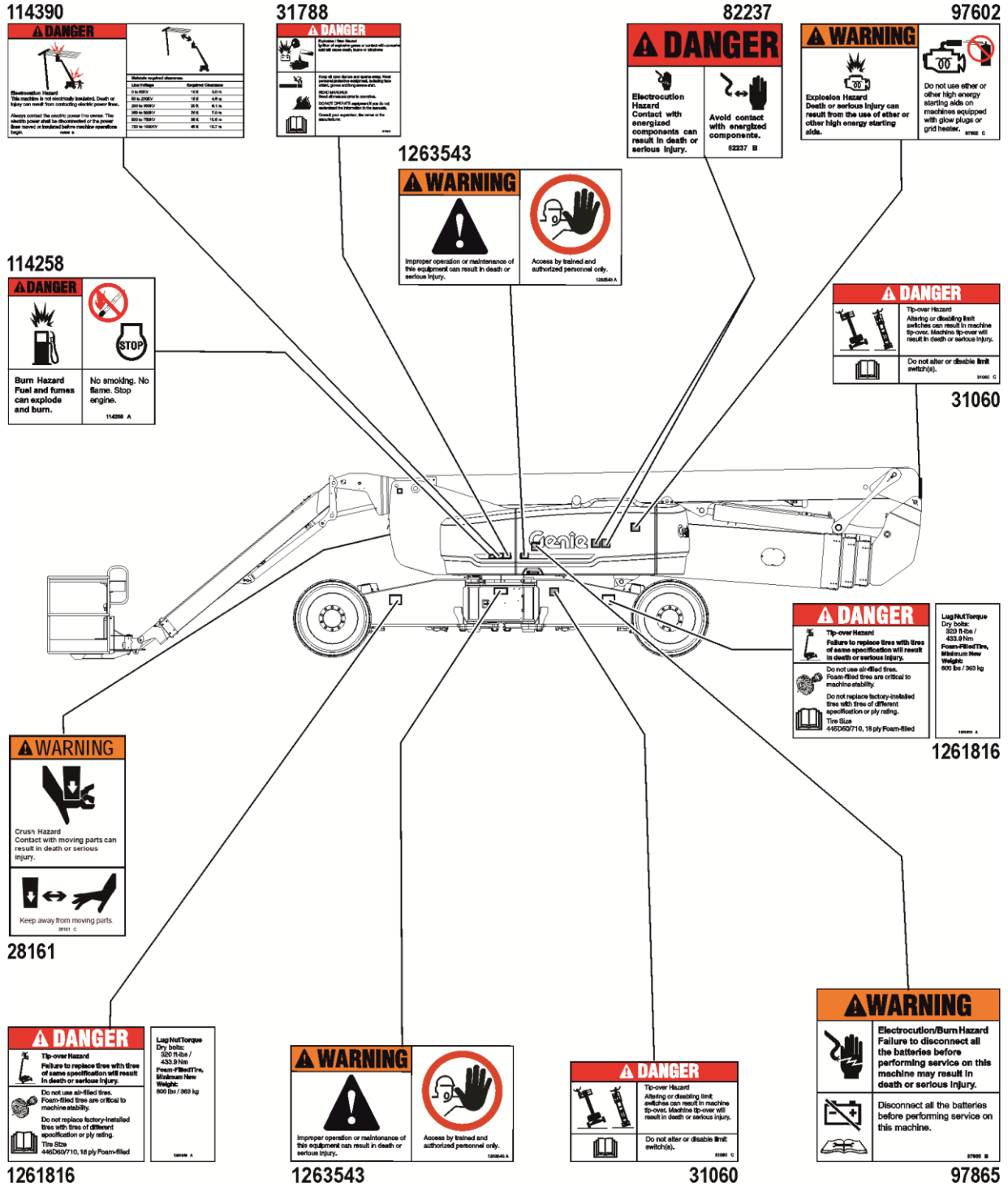
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# General Safety



## 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 not level indicator light  
Light on indicates the tilt sensor activation settings have been exceeded. 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 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.

## 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

# Operating Instructions

## Platform Out of Level (P22 code)

Bypass key position to be used to level the platform if ground control display shows platform out of level (P22) and platform level controls do not work.

To operate:

- 1 Turn the engine off.
- 2 Turn the main key switch to ground control. Remove the key from the main key switch and insert the key into the bypass/recovery key switch.
- 3 Turn the bypass/recovery key switch to the bypass position.
- 4 Using auxiliary power, operate the platform level button to level the platform.
- 5 Turn the bypass/recovery key switch to the run position.
- 6 Remove the key from the bypass/recovery key switch and insert the key into the main key switch.
- 7 Push in and then pull out the red Emergency Stop button.
- 8 If the P22 code is still visible, tag and remove the machine from service until the fault has been corrected by a qualified service technician.



## Platform Out of Level (Platform Level > 15 Degrees Fault)

If ground control display shows PLATFORM LEVEL > 15 DEGREES FAULT and the platform level controls do not work, the machine will need to be recovered by trained and authorized personnel or a qualified service technician.

## Platform Overload Indicator Light



Light flashing indicates the platform is overloaded and no functions will operate.

Remove weight from the platform until the light goes off.

## Overload Recovery

If the ground controls LCD screen displays OVERLOAD RECOVERY, the auxiliary lowering system has been used while the platform was overloaded. For information on how to reset this message, please consult the appropriate Genie Service Manual.

## Generator (if equipped)

To operate the generator, move the generator switch. The indicator light will come on and the engine will continue to run.

Plug a power tool into the power to platform GFCI outlet.

To turn off the generator, move the generator switch. The indicator light will turn off.

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