



Operator's Manual

Serial Number Range

S[®]-80 XC[™]

from S80XCH-3101
from S85XCH-3091

S[®]-85 XC[™]

AUS
Australia

with
Maintenance
Information

Original Instructions
Second Edition
Second Printing
Part No. 1311086GT

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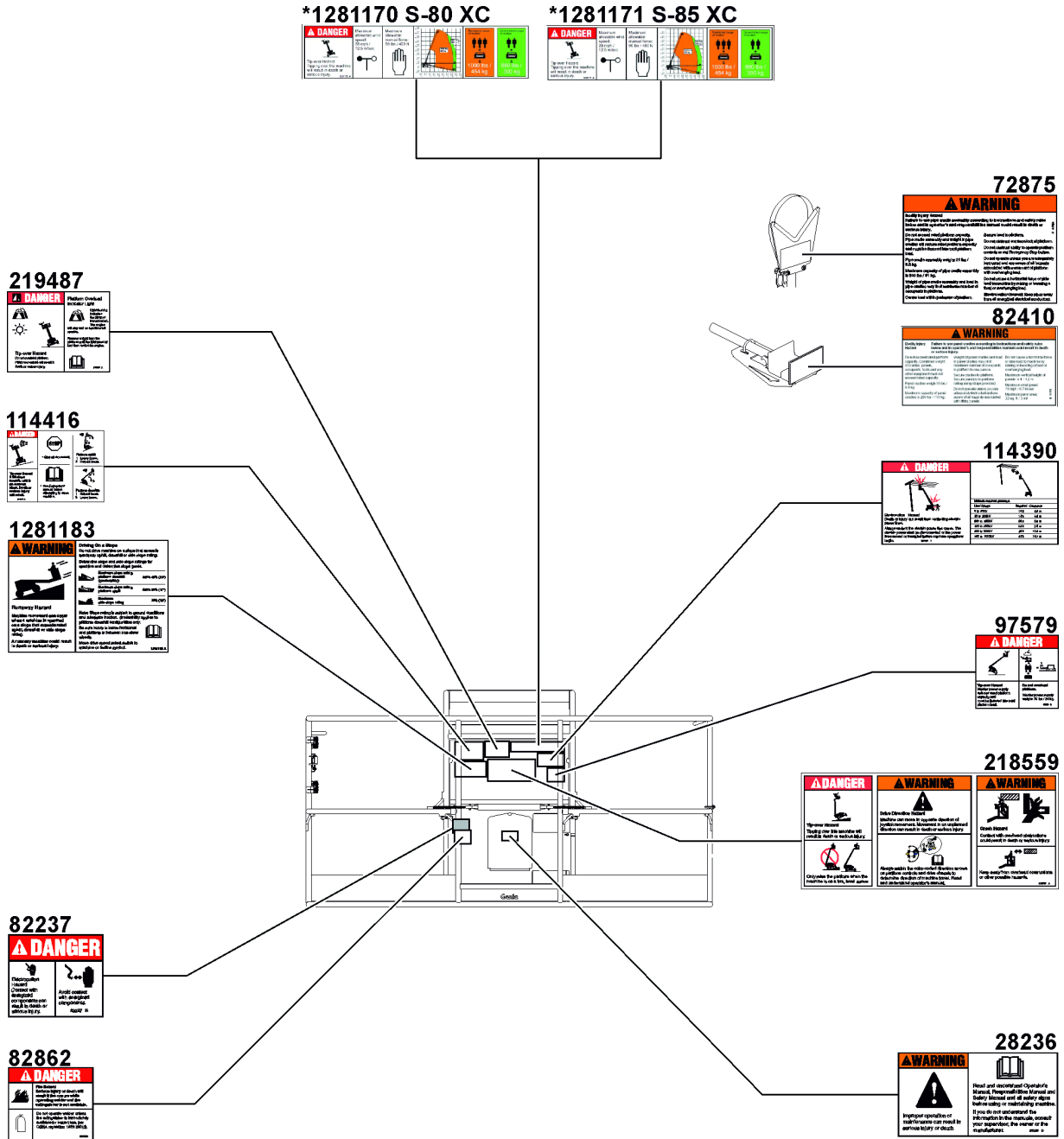


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General Safety

* These decals are model, option or configuration specific.



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.

Do not use the machine as a ground for welding.

Do not operate the machine in locations where extremely high magnetic fields may be present.

⚠ Battery Safety

Burn Hazards



Batteries contain acid. Always wear protective clothing and eye wear when working with batteries.

Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.

Explosion Hazards



Keep sparks, flames, and lighted tobacco away from batteries. Batteries emit explosive gas.



⚠ Electrocuting Hazard

Avoid contact with electrical terminals.

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 level switch

Move the platform level switch up and the level of the platform will raise. Move the platform level switch down and the level of the platform will lower.



3 Platform rotate switch

Move the platform rotate switch to the left and the platform will rotate left. Move the platform rotate switch to the right and the platform will rotate right.



4 Jib boom up/down switch

Move the jib boom switch up and the jib boom will raise. Move the jib boom switch down and the jib boom will lower.



5 Glow plug indicator light

Light on indicates the glow plugs are on.

6 Fault indicator light

Light on indicates a system fault.

7 Restricted range of motion indicator light, weight.

Light on indicates restricted range of motion due to platform weight.



8 Platform overload indicator light

Light flashing indicates the platform is overloaded. The engine will stop and no functions will operate. Remove weight until the light goes off and then restart the engine.

9 Restricted range of motion indicator light, slope.

Light on indicates restricted range of motion due to slope angle.



10 Machine on incline indicator light

Light on indicates the tilt sensor activation settings have been exceeded. See the instructions in the Operating Instructions section.

Inspections

Test Drive Tilt Cutout

- 46 Press down the foot switch.
- 47 With the boom fully stowed, drive the machine onto a slope where the machine pitch angle is greater than 7° (front to back).
 - ⦿ Result: The machine should continue to drive.
- 48 Return the machine to level ground and extend the boom approximately 18 inches/46 cm.
- 49 Drive the machine onto a slope where the pitch angle is greater than 7° (front to back).
 - ⦿ Result: The machine should stop once the machine reaches 7° of chassis tilt and the alarm should sound at the platform controls.
- 50 Retract the boom to the stowed position.
 - ⦿ Result: The machine should drive.
- 51 Return to level ground and raise the boom to approximately 15° above horizontal.
- 52 Drive the machine onto a slope where the pitch angle is greater than 7° (front to back).
 - ⦿ Result: The machine should stop once the machine reaches 7° of chassis tilt and the alarm should sound at the platform controls.
- 53 While on the slope, attempt to raise and extend the boom.
 - ⦿ Result: The boom raise and extend functions should not operate.
- 54 Lower the boom to the stowed position.
 - ⦿ Result: The machine should drive.
- 55 Return to level ground and stow the boom.
- 56 Press down the foot switch.
- 57 With the boom fully stowed, drive the machine onto a slope where the roll angle is greater than 5° (side to side).
 - ⦿ Result: The machine should continue to drive.
- 58 Return the machine to level ground and extend the boom approximately 18 inches/46 cm.
- 59 Drive the machine onto a slope where the roll angle is greater than 5° (side to side).
 - ⦿ Result: The machine should stop once the machine reaches 5° of chassis tilt and the alarm should sound at the platform controls.
- 60 Retract the boom to the stowed position.
 - ⦿ Result: The machine should drive.
- 61 Return to level ground and raise the boom to approximately 15° above horizontal.
- 62 Drive the machine onto a slope where the roll angle is greater than 5° (side to side).
 - ⦿ Result: The machine should stop once the machine reaches 5° of chassis tilt and the alarm should sound at the platform controls.
- 63 While on the slope, attempt to raise and extend the boom.
 - ⦿ Result: The boom raise and extend functions should not operate.
- 64 Lower the boom to the stowed position.
 - ⦿ Result: The machine should drive.
- 65 Return to level ground and stow the boom.

Operating Instructions

Emergency Stop

Push in the red Emergency Stop button to the off position at the ground controls or the platform controls to stop all machine functions and turn the engine off.

Repair any function that operates when either red Emergency Stop button is pushed in.

Selecting and operating the ground controls will override the platform red Emergency Stop button.

Auxiliary Power

Use auxiliary power if the primary power source (engine) fails.

- 1 Turn the key switch to ground or platform control.
- 2 Pull out the red Emergency Stop button to the on position.
- 3 Press down the foot switch when using the controls from the platform.
- 4 Simultaneously hold the auxiliary power switch on and activate the desired function.



The drive function will not operate with auxiliary power.

Operation from Ground

- 1 Turn the key switch to ground control.
- 2 Pull out the red Emergency Stop button to the on position.

Diesel models: The engine glow plugs will automatically start, either when the machine is turned on or when engine start is selected.

Gasoline/LPG models: Press the fuel select button to select the desired fuel type.

Note: Each time the home button is pressed, the LCD screen will show the gasoline icon or LPG icon.

- 3 Press the engine start button.

Diesel models: The LCD screen will display the glow plug symbol. When the glow plug symbol turns off, start the engine.

To Position Platform

- 1 Push and hold the function enable button.



- 2 Push the appropriate function button according to the markings on the control panel.

Drive and steer functions are not available from the ground controls.

Platform Overload Indicator Light

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

Remove weight from the platform until the light goes off and then restart the engine.

Note: An alarm will sound at the platform when an overload condition occurs and will stop sounding when weight is removed from the platform.

Operating Instructions

Panel Cradle Assembly

- 1 Apply the warning decal to the front of each panel cradle (if needed).
- 2 Install rubber bumper 1 in the panel cradle base. See the illustration.
- 3 Secure the bumper with 2 high profile lock nuts and 2 washers.

Panel Cradle Installation

- 1 Insert the hook piece through the slots in the panel cradle base.
- 2 Hook the panel cradle to the bottom platform tube in the desired location.
- 3 Install rubber bumper 2 through the panel cradle base and the hook piece. See the illustration.
- 4 Secure with 2 low profile lock nuts.
- 5 If the panel cradle is installed at a platform floor support tube, insert the U-bolt through the floor, around the tube and into the panel cradle base.
- 6 Secure the U-bolt with 2 nuts and 2 washers. Proceed to step 9.
- 7 If the panel cradle is not installed at a platform floor support tube, use the aluminum tube provided.
- 8 Place the tube between the panel cradle and the platform floor. Insert the U-bolt through the floor, around the tube and into the panel cradle base.
- 9 Repeat above for the second set of parts.

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