



Operator's Manual

Serial Number Range

SXTM-135 XCTM

from SX135H-515

from SX135D-101

CE
UK
CA

with
Maintenance
Information

Original Instructions
Second Edition
Third Printing
Part No. 1301106GT

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General Safety

114251



133067



82481



1263542



133205



114249



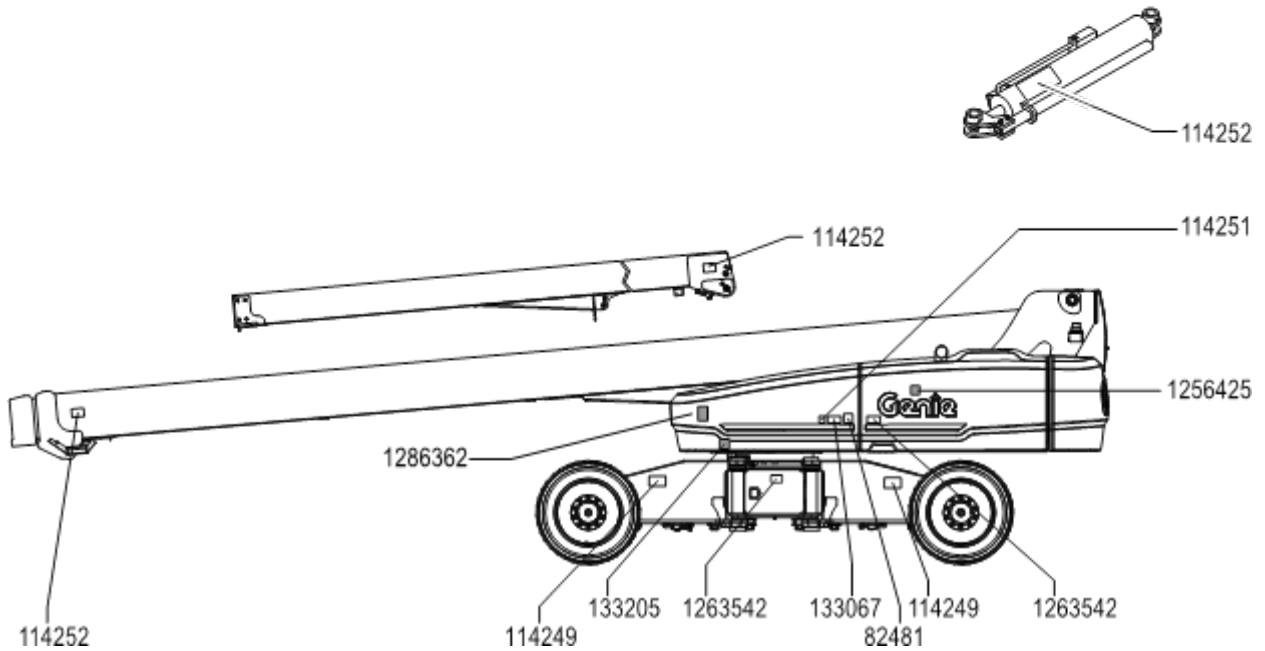
114252



1256425



1286362



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



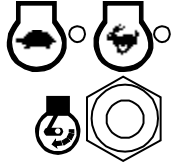
Keep sparks, flames, and lighted tobacco away from batteries. Batteries emit explosive gas.

⚠ Electrocutation Hazard

Avoid contact with electrical terminals.

Controls

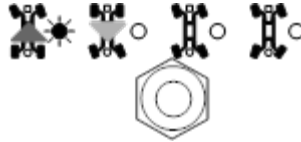
Platform Control Panel

- 1 **Horn button**
Press this button and the horn will sound. Release the button and the horn will stop.
- 2 **Platform 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 boom indicator light**
Lower the boom until the light is off.
- 5 **Raise/retract boom indicator light**
Raise/retract the boom until the light is off.
- 6 **Used for optional equipment**
- 7 **Generator switch with indicator light**
Move the generator switch to turn the generator on. Move the switch again to turn the generator off.
- 8 **Auxiliary power switch**
Use auxiliary power if the primary power source (engine) fails. Push down the foot switch and simultaneously move the auxiliary power switch and activate the desired function. The indicator light will be on when auxiliary power is being used.
- 9 **Diesel models: Glow plug indicator light**
Light on indicates the glow plugs are active.
- 10 **Engine start switch with indicator light**
Move the engine start switch and the engine will start. The engine start indicator light will flash during engine start up and will turn solid once the engine is running.
- 11 **Engine idle select switch with indicator light:**
Move this switch to select engine idle setting. Rabbit symbol light on indicates high idle is selected. Turtle symbol light on indicates low idle is selected.
 
- 12 **Restricted range of motion indicator light**
Light on indicates that the range of motion is restricted.
- 13 **Unrestricted range of motion indicator light**
Light on indicates that the range of motion is unrestricted.
- 14 **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.
- 15 **Power indicator light**
Light on indicates the machine is on.
- 16 **Check engine indicator light**
Light on indicates an engine fault.
- 17 **Low fuel indicator light**
Light on indicates the machine is low on fuel.
- 18 **Fault indicator light**
Light on indicates a system fault.

Inspections

Test the Steering

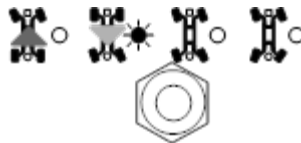
- 45 Move the steer mode select switch and choose square-end (blue arrow) steer.



- 46 Press down the foot switch.
- 47 Slowly move the drive control handle in the direction indicated by the blue triangle on the control panel OR press the thumb rocker switch in the direction indicated by the blue triangle.
- ⦿ Result: The square-end wheels should turn in the direction that the blue triangles point on the drive chassis.
- 48 Slowly move the control handle in the direction indicated by the yellow triangle on the control panel OR press the thumb rocker switch in the direction indicated by the yellow triangle.

- ⦿ Result: The square-end wheels should turn in the direction that the yellow triangles point on the drive chassis.

- 49 Move the steer mode select switch and choose circle-end (yellow arrow) steer.



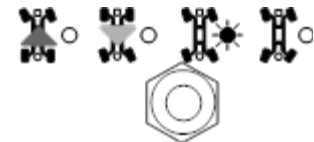
- 50 Press down the foot switch.
- 51 Slowly move the control handle in the direction indicated by the yellow triangle on the control panel OR press the thumb rocker switch in the direction indicated by the yellow triangle.

- ⦿ Result: The circle-end wheels should turn in the direction that the blue triangles point on the drive chassis.

- 52 Slowly move the drive control handle in the direction indicated by the blue triangle on the control panel OR press the thumb rocker switch in the direction indicated by the blue triangle.

- ⦿ Result: The circle-end wheels should turn in the direction that the yellow triangles point on the drive chassis.

- 53 Move the steer mode select switch and choose crab steer.

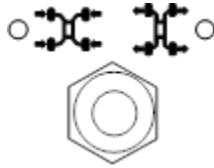


- 54 Press down the foot switch.
- 55 Slowly move the drive control handle in the direction indicated by the blue triangle on the control panel OR press the thumb rocker switch in the direction indicated by the blue triangle.
- ⦿ Result: All wheels should turn in the direction that the blue triangles point on the drive chassis.

Operating Instructions

To Extend and Retract Axles

- 1 Turn the key switch to platform control.
- 2 At the platform controls, press down the foot switch and move the drive control handle in either direction and move the axle switch in the appropriate direction.



The axle extend and retract indicator lights will flash while the axles are moving. The axle extend indicator light will stay on when the axles are fully extended. The axle retract indicator light will stay on when the axles are fully retracted.

The axles can only be retracted if the boom is fully lowered and retracted and the platform is between the circle-end wheels.

Operation from Ground

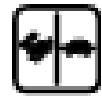
- 1 Turn the key switch to ground control.
- 2 Pull out the red Emergency Stop button to the on position.
- 3 Start the engine.

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.



Use the function speed select buttons to select function speed.



When the arrow above the turtle is lit, machines functions will operate at slow speed. When the arrow above the rabbit is lit, machines functions will operate at fast speed.

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

Operating Instructions

Tilt Sensor Activation Settings

Platform Load: 660 lbs/300 kg			
Chassis Angle (front to back)	Chassis Angle (side to side)	Max Height	Max Reach
0°	4.5°	135 ft 41.15 m	90 ft 27.43 m
2.5°	4.5°	135 ft 41.15 m	87 ft 26.52 m
4.5°	4.5°	129 ft 39.32 m	87 ft 26.52
-2.5°	4.5°	136 ft 41.45m	86 ft 26.21 m
-4.5°	4.5°	133 ft 40.54	86 ft 26.21 m
Platform Load: 1000 lbs/454 kg			
Chassis Angle (front to back)	Chassis Angle (side to side)	Max Height	Max Reach
0°	4.5°	123 ft 37.49 m	78 ft 23.77 m
2.5°	4.5°	124 ft 37.8 m	75 ft 22.86 m
4.5°	4.5°	118 ft 35.97 m	75 ft 22.86 m
-2.5°	4.5°	125 ft 38.1 m	74 ft 22.56 m
-4.5°	4.5°	121 ft 36.38	74 ft 22.56

When the Machine On Incline indicator light is on and the tilt alarm sounds, the following functions are affected; drive functions are disabled.



Follow the Boom lowering procedure (see Operating Instructions) to restore drive function.

When the machine is stowed, on a slope, and the tilt alarm sounds, the following functions are affected; lift functions are disabled.



Return the machine to level ground to restore lift functions.

Maintenance



Observe and Obey:

- ☑ Only routine maintenance items specified in this manual shall be performed by the operator.
- ☑ Scheduled maintenance inspections shall be performed by qualified service technicians, according to the manufacturer's specifications.
- ☑ Dispose of material in accordance with governmental regulations.
- ☑ Use only Genie approved replacement parts.

Maintenance Symbols Legend

The following symbols have been used in this manual to help communicate the intent of the instructions. When one or more of the symbols appear at the beginning of a maintenance procedure, it conveys the meaning below.



Indicates that tools will be required to perform this procedure.



Indicates that new parts will be required to perform this procedure.



Indicates that a cold engine is required before performing this procedure.

Check the Engine Oil Level



Maintaining the proper engine oil level is essential to good engine performance and service life. Operating the machine with an improper oil level can damage engine components.

Note: Check the oil level with the engine off.

- 1 Check the oil level dipstick. Add oil as needed.

Perkins 1104D-44T Engine

Oil type	15W-40
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Oil type - cold conditions	10W-30
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Deutz TD2011 L04i Engine

Oil type	15W-40
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Oil type - cold conditions	5W-30
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Perkins 854F-34T Engine

Oil type	15W-40
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Oil type - cold conditions	5W-30
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Deutz TD2.9L Engine

Oil type	15W-40
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Oil type - cold conditions	5W-30
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Deutz TCD 2.2L Stage V Engine

Oil type	15W-40
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Oil type - cold conditions	5W-40
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