snorkel

S6926RTE
S6933RTE
S6940RTE
S6947RTE



CE

ANSI/CSA/CE/AS/NZS

OPERATOR'S MANUAL

Part Number 1850480-000
April 2026
Original Instructions – English

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Limited Warranty

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General Specifications – S6947RTE

Aerial Platform

Working height	53' (16.2 m)
Maximum platform height	47' (14.3 m)
Turning radius	
Inside	109" (2.8 m)
Outside	170" (4.32 m)
Wheelbase	79.3" (2.0 m)
Ground clearance	10.1" (25.7 cm)
Maximum wheel load	TBD lbs (kg)
Maximum ground bearing pressure	TBD psi (kg/cm²)
Floor load pressure	TBD psf (kg/m²)
Tread contact patch	TBD in² (cm²)
Floor area	TBD ft² (m²)
Maximum stabilizer load	TBD lbs (kg)
Weight, EVW	
Approximate	TBD lbs (kg)
Maximum allowable manual force (side pull)	
Outdoors	45 lb (200 N)
Maximum allowable manual force (side pull)	
Indoors	90 lb (400 N)
Stowed width	69" (1.75 m)
Stowed length	
Without stabilizers	149" (3.78 m)
With stabilizers	156" (3.96 m)
Stowed height	
To top of guardrails	110.8" (2.81 m)
Guardrails folded	79.8" (2.03 m)

Platform

Dimensions	
Stowed	153" x 69" (3.89 m x 1.75 m)
Deck extension length	34" (0.86 m)
Guardrail height	43.79" (1.1 m)
Toeboard height	6" (15.3 cm)
Rated work load	
Total	800 lb (363 kg)
Extension deck	300 lb (136 kg)
Maximum number of occupants	2 outdoors 3 indoors

Function Speed

Platform raise	seconds
Platform lower	seconds
High drive platform stowed	3.5 mph (5.6 km/h)
Low drive platform elevated	0.38 mph (0.61 km/h)

Drive System

Standard	Two-wheel drive
Gradeability	35%
Maximum drive height	47' (14.3 m)

Drive/Lift Level Sensor Interlock

Side-to-side	2.5 degrees
Front-to-rear	3 degrees

Maximum Stabilizer Leveling

Side-to-side	11 degrees
Front-to-rear	6 degrees

Tires

Foam filled	26" x 12"

Electrical System

Voltage	48 V DC negative chassis ground
Source	Six - 48 V 30 Ah Lithium batteries

Hydraulic System

Maximum pressure	
System	3,000 psi (20,684 kPa)
Drive	psi (kPa)
Reservoir capacity	12.25 US gal (46.4 l)
System capacity	US gal (l)
Maximum operating temperature	160°F (71°C)
Hydraulic fluid recommended	
Above 10°F (-12°C)	ISO VG32
Below 10°F (-12°C)	ISO VG15

Ambient Air Temperature Operating Range

Fahrenheit	0°F to 110°F
Celsius	-18°C to 43°C

Maximum Wind Speed

Gust or steady	28 mph (12.5 m/s)

Sound Pressure Level

At work station	below 105 dB(A)

Group Classification

Light Duty – intended life	20,000 load cycles

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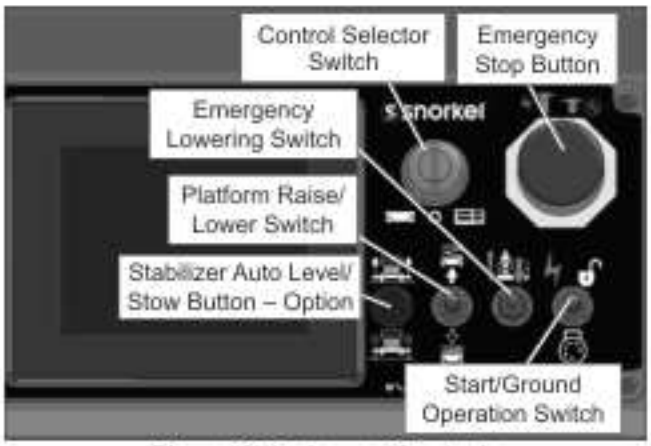


Figure 8.7 – Lower Controls

Operating Controls
Use the following procedure to operate and test the machine from the lower controls:

1. Turn the battery disconnect switch on.
2. Pull the emergency stop switch outward to the on position.
3. Hold the ground operation switch upward.

⚠Danger

Pinch points may exist between moving components. Death or serious injury will result from becoming trapped between components, buildings, structures, or other obstacles. Make sure all personnel stand clear of the aerial platform while performing the prestart inspection.

⚠Warning

The potential for an accident increases when operating an aerial platform that is damaged or malfunctioning. Death or serious injury could result from such accidents. Do not operate the aerial platform if it is damaged or malfunctioning.

4. Test the operation of each machine function in both directions.
5. Place the battery disconnect switch in the off position. The platform should not raise or lower with the disconnect in this position.

Emergency Stop
To test the emergency stop button from the lower controls:

1. Push the emergency stop button inward to turn off electrical power.
2. Test the lower control functions to make sure they do not operate with the emergency stop in this position.

Lowering Alarm
To test the lowering alarm from the lower controls:

1. Raise the platform approximately 10′ (3 m).
2. Lower the platform and make sure the alarm sounds.

Stabilizer Interlock Test

The stabilizer interlock system prevents:

- the stabilizers from being moved while the platform is elevated
- the platform from being raised if the front axle is not locked in position and the stabilizers are not set, or the machine is tilted.

⚠Danger

The aerial platform can tip over if it becomes unstable. Death or serious injury will result from a tip-over accident. Make certain the stabilizer interlock system is functioning correctly before operating the aerial platform.

Stabilizer Locked Out When Platform is Elevated

1. Position the machine on a firm level surface.
2. Start the engine from the upper controls.
3. Raise the platform as follows:
   - S6926RTE 4 feet.
   - S6933RTE 4 feet.
   - S6940RTE 4 feet.
   - S6947RTE 4 feet.
4. Operate the right front stabilizer extend switch while watching the leg for movement.
5. If the stabilizer leg moves, release the switch immediately. Lower the platform, remove the machine from service, and do not operate it until repairs are made.

Platform Raise Locked Out When Axle is Not Locked

1. With the platform empty, drive the machine to position one front wheel on a 2 x 4.
2. Check to ensure the axle unlocks with both front tires making contact with the surface beneath them.
3. Drive off the 2 x 4 and check to ensure that the axle levels and locks into position.

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Annual Maintenance – Every 500 Hours

Item	Procedure	Information	P/F/R
Frequent Maintenance Checklist	Complete Frequent Maintenance		
Hydraulic System			
Hydraulic fluid condition	Drain, flush, and clean hydraulic system. Refill with new fluid.	Above 10°F (-12°C) ISO VG32 Below 10°F (-12°C) ISO VG15	
Return filter	Replace	Refer to Parts Manual for filter part number	
Pressures	Check system relief pressure	System Relief Pressure 3,000 psi (20,684 kPa)	
	Check drive relief pressure	Drive Relief Pressure 5,000 psi (34,473 kPa)	

Maintenance Table Key: P = Pass, F = Fail, R = Repaired

Performed by:_____ Date:_____

Model:_____ Serial Number:_____

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Potential service and safety problems may be detected by inspecting the aerial platform. This chapter includes information on properly inspecting the aerial platform and includes a prestart inspection check list at the end of the chapter to ensure that no areas are overlooked.

⚠Warning

The potential for an accident increases when operating an aerial platform that is damaged or malfunctioning. Death or serious injury could result from such accidents. Do not operate the aerial platform if it is damaged or malfunctioning.

Carefully read, understand and follow all safety rules, operating instructions, decals/placards and any applicable national safety instructions/requirements while performing the prestart inspection.

Perform a prestart inspection at the beginning of each shift, before using the aerial platform on the job. The inspection site must have a smooth and level surface that is unobstructed to allow for full elevation, and be capable of supporting the machine maximum wheel load.

Operator's Manual

The manual holder is located in the platform to the left of the upper control box (refer to Figure 8.1).

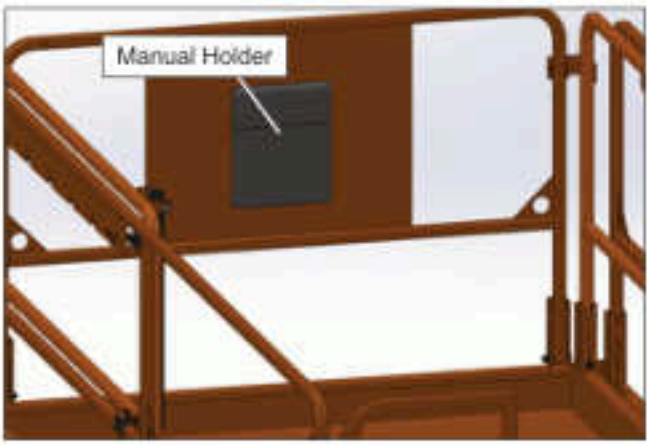


Figure 8.1 – Operator's Manual Holder

To inspect the operator's manual and manual holder:

1. Make certain the Operator's Manual holder is securely fastened in place.
2. Check to see that the proper Operator's Manual is in the holder.
3. Check to see that the manual is complete with all pages intact and in readable condition.
4. Make certain ANSI publication Manual of Responsibilities is in the manual holder.

Electrical System

Electrical power is supplied from six 48 volt batteries. The batteries are in the battery cabinet on the right side of the machine (refer to Figure 8.2). The batteries supply 48 volt DC electrical power to operate the aerial platform electrical and electrohydraulic components.

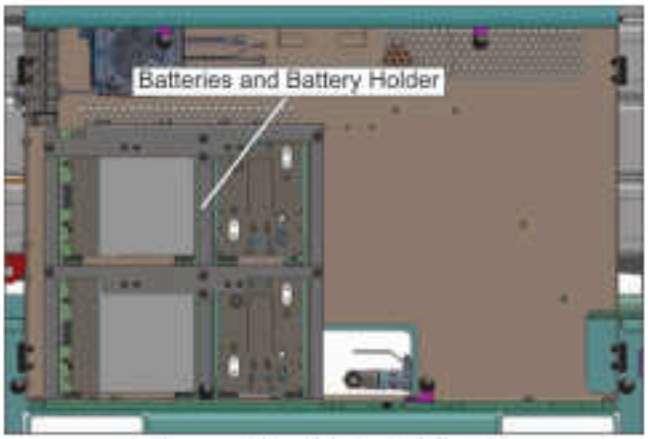


Figure 8.2 – Battery Cabinet

⚠Warning

The batteries contain lithium. Death or serious injury could result from a chemical explosion. Do not smoke or permit open flames or sparks when checking the batteries.

⚠Caution

Even with low voltage electrical systems, severe arcing can occur. Electrical shock or component damage may result from contact with energized conductors. Use caution when working with any electrical device.

Batteries

Open the doors on the right side of the machine. The batteries inside of the cabinet (refer to Figure 8.2).

Turn the battery disconnect off and visually inspect the batteries.

Battery Terminals

To inspect the battery terminals:

1. Check the top of the battery, the terminals, and cable ends. They should be clean and free of corrosion.
2. If necessary, clean the top of the battery. Clean the terminals and cable ends with a wire brush or terminal cleaning tool.
3. Make sure all cable ends are securely fastened to the terminals.

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SAFETY RULES

⚠Warning

All personnel shall carefully read, understand and follow all safety rules and operating instructions before operating or performing maintenance on any Snorkel aerial work platform.

Electrocution Hazard	Tip Over Hazard	Collision Hazard	Fall Hazard
			
THIS MACHINE IS NOT INSULATED!	**NEVER** elevate the platform or drive the machine while elevated unless the machine is on a firm, level surface.	**NEVER** position the platform without first checking for overhead obstructions or other hazards.	**NEVER** climb, stand, or sit on platform guardrails or midrail.

USE OF THE AERIAL WORK PLATFORM: This aerial work platform is intended to lift persons, their tools and materials used for the job. It is designed for repair, assembly, stockpicking jobs, etc., and assignments at workplaces above head height (ceilings, cranes, roof structures, buildings, shelving, etc.). All other uses of the aerial work platform are prohibited and the rules below must be adhered to!

THIS AERIAL WORK PLATFORM IS NOT INSULATED! Refer to applicable national standards for safe approach distances.

Exceeding the specified permissible maximum load **is prohibited!** See "Platform Capacity" for details.

The use and operation of the aerial work platform as a lifting tool or a crane **is prohibited!**

NEVER exceed the manual force allowed for this machine. See "Manual Force" for details.

DISTRIBUTE all platform loads evenly on the platform.

NEVER operate the machine without first surveying the work area for stationary or moving obstacles and surface hazards such as holes, drop-offs, bumps, curbs, or debris; and avoiding them. **NEVER** strike or bump into stationary or moving obstacles while driving or raising, lowering, or extending the platform.

USE THREE POINTS OF SUPPORT when entering or exiting the platform. Grasp the handrails, not the doors, with one hand on each side. Use two hands and one foot on the step when climbing into and out of the platform.

PLATFORM passengers should watch their hands and fingers for pinch points while holding on the guardrails while the platform is moving.

OPERATE machine only on surfaces capable of supporting wheel loads.

NEVER operate the machine when wind speeds exceed this machine's wind rating. See "Beaufort Scale" for details.

Do not operate the aerial platform in windy or gusty conditions. Do not add anything to or take anything into the aerial platform that will increase the wind loading such as billboards, banners, flags, etc.

IN CASE OF EMERGENCY push EMERGENCY STOP switch to deactivate all powered functions.

IF ALARM SOUNDS while platform is elevated, STOP, carefully lower platform. Move machine to a firm, level surface.

Climbing up the railing of the platform, standing on or stepping from the platform onto buildings, steel or prefab concrete structures, etc., **is prohibited! NEVER** exit or enter the platform when it is elevated.

Dismantling the entry gate or other railing components **is prohibited!** Always make certain that the entry gate is closed!

It is prohibited to keep the entry gate in an open position when the platform is raised!

To extend the height or the range by placing of ladders, scaffolds or similar devices on the platform **is prohibited!**

NEVER perform service on machine while platform is elevated without blocking elevating assembly.

INSPECT the machine thoroughly for cracked welds, loose or missing hardware, hydraulic leaks, loose wire connections, and damaged cables or hoses before using.

VERIFY that all labels are in place and legible before using.

NEVER use a machine that is damaged, not functioning properly, or has damaged or missing labels.

To bypass any safety equipment **is prohibited** and presents a danger for the persons on the aerial work platform and in its working range.

NEVER charge batteries near sparks or open flame. Charging batteries emit explosive hydrogen gas.

Modifications to the aerial work platform **are prohibited** or permissible only at the approval by **Snorkel**.

AFTER USE, secure the work platform from unauthorized use by turning the keyswitch off and removing key.

The driving of MEWP's on the public highway is subject to national traffic regulations.

Certain inherent risks remain in the operation of this machine despite utilizing proper design practices and safeguarding.

Care must be taken to ensure that the machines meets the requirements of stability during use, transportation, assembly, dismantling when out of service, testing, or foreseeable breakdowns.

In the event of an accident or breakdown see "Emergency Lowering." Do not operate the aerial platform if it is damaged or not functioning properly. Qualified maintenance personnel must correct the problem before putting the aerial platform back into service.

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