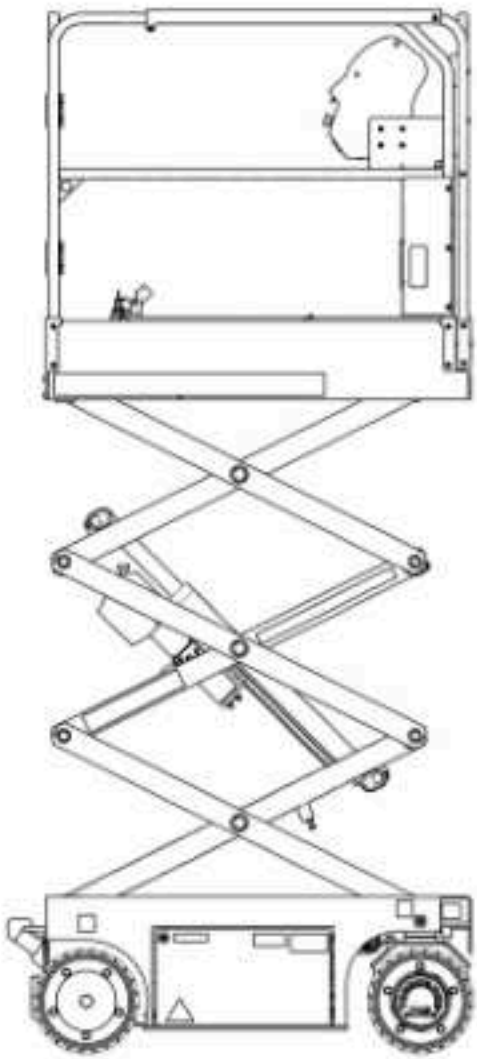
snorkel

S3013 MINI



CE

OPERATOR'S MANUAL

ANSI/CSA/CE/AS/NZS
Replaces July 2025

Part Number 1510589-000
February 2026
Original Instructions – English

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Table of Contents

Electrical Danger ..... Inside Front Cover
Proposition 65 Warning ..... Inside Front Cover
Danger Symbols ..... Inside Front Cover
Lanyard Anchor Points ..... Inside Front Cover
Safety Rules ..... Inside Front Cover

Chapter 1 – Introduction

Aerial Platform Features 1
Options 1
Operator's Manual 1
Safety Alerts 1
Operation 1
Maintenance 2
  Used Material Disposal 2
Manual of Responsibilities – ANSI 2
MEWP Safe Use – AS/NZS 2
AS/NZS 1418.10 Commissioning 2
CE Compliance 2
Additional Information 2

Chapter 2 – Specifications

Component Identification 3
General Specifications – S3013 MINI 4

Chapter 3 – Safety

Electrocution Hazards 5
Minimum Safe Approach Distance – ANSI 5
Minimum Safe Approach Distance – AS/NZS 6
Platform Capacity 6
Manual Force 6
Wind Speeds 6
Prestart Inspection 6
Work Place Inspection and Practices 6
Operation 7
Tip-Over and Falling Hazards 7
Electrical System 8
Hydraulic System 8
Placards and Decals 8
General Safety Rules 8

Chapter 4 – Safety Devices

Emergency Stop Controls 11
Control Select/Ground Operation Switch 11
Upper Control Interlock Switch 11
Drive Motion Alarm 12
Pothole Protector Skids 12
Drive/Lift Pothole Protector Interlock 12
Drive/Lift Level Sensor Interlock 12
Lowering Alarm 12
Emergency Lowering Handle 12
Safety Prop 13
Guardrails 13
Ground Fault Circuit Interrupter 13
Tilt Alarm 13
Overload Protection 14
Lowering Interrupt – CE/AS/NZS 14
Horn 14
Flashing Light 14
Snorkel Guard 14
Perimeter Lights 15

Chapter 5 – Gauges and Displays

Battery Charge Indicator 17
Battery Condition Indicator 17
Diagnostic Center Display 17

Chapter 6 – Batteries

General Maintenance 19
Charging 19

Chapter 7 – Controls

Battery Disconnect 21
Lower Controls 21
  Emergency Stop Button 21
  Control Selector/Ground Operation Switch 21
  Platform Raise/Lower Switch 21
Upper Controls 22
  Emergency Stop Button 22
  Drive/Lift Selector Switch 22
  Joystick 22
  Interlock Switch 23
  Steer Switch 23
  Drive Range Switch 23
  Horn Button 23
  Battery Condition Indicator 23
Loading Controls 23
  Emergency Stop Button 23
  Interlock Button 23
  Drive Switch 23
  Steer Switch 24
  Override Switch 24

Chapter 8 – Prestart Inspection

Operator's Manual 25
Electrical System 25
  Battery Charger 25
Safety Prop 26
Cables and Wiring Harness 26
Hydraulic System 26
  Fluid Level 26
Diagnostic Center Display 27
Tires and Wheels 27
Lower Control Station 27
  Operating Controls 28
  Emergency Stop 28
  Lowering Alarm 28
  Pothole Protector Interlock 28
Emergency Lowering System 29
Structures 29
  Weldments 29
  Slide Blocks 29
  Fasteners 30
Upper Control Station 30
  Guardrail System 30
  Lanyard Anchors 30

MidWestTech | Snorkel S3013 Mini Scissor Lift Operator's Manual | Publication 1510589-000 Order the manual at mid-west-tech.com >

Platform Extension 30
Platform Extension Step-up 31
Operating Controls 31
Emergency Stop 32
Horn Button 32
Lowering Alarm 32
Drive Alarm 32
Electrical Power Outlet 32
Flashing Light 32
Perimeter Lights 33
Placards and Decals 33
Prestart Inspection Checklist 36

Chapter 9 – Operation

Preparing for Operation 37
Lower Controls 37
Upper Controls 37
Loading Control 38
Platform 38
Raising and Lowering 39
Lowering Interrupt – CE/AS/NZS 39
Overload Protection 39
Extending 39
Driving and Steering 40
Drive Range Switch 40
Drive Speeds 40
Drive/Lift Pothole Protector Interlock 41
Drive/Lift Level Sensor Interlock 41
Electrical Power Outlet 41
Snorkel Guard 41
Override Button 42
Snorkel OnSite 42
Perimeter Lights 42
Oil Containment Pad 42
Platform Extension Step-up 43
After Use Each Day 43

Chapter 10 – Stowing and Transporting

Stowing 45
Transporting 45
Lifting With a Forklift 45
Winching 45
Driving 46
Hoisting 47
Securing for Transport 48
Storage 48

Chapter 11 – Emergency Operation

Emergency Lowering 49
Towing 49

Chapter 12 – Troubleshooting

Troubleshooting Chart 51

Appendix A – Glossary

Appendix B – Inspection Checklists

Limited Warranty

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General Specifications – S3013 MINI

Aerial Platform

Working height	19′ (5.8 m)
Maximum platform height	13′ (4 m)
Turning radius	
Inside	5″ (12.7 cm)
Outside	58″ (1.47 m)
Wheelbase	41″ (1.04 m)
Ground clearance	
Pothole protector raised	2.63″ (6.68 cm)
Pothole protector lowered	0.75″ (1.9 cm)
Maximum wheel load	800 lbs (363 kg)
Maximum ground bearing pressure	130 psi (9.14 kg/cm²)
Floor load pressure	205 psf (1000.9 kg/m²)
Tread contact patch	5.9 in² (38.06 cm²)
Floor area	8.5 ft² (0.79 m²)
Weight, EVW	
Approximate	1,750 lbs (794 kg)
Maximum allowable manual force (side pull)	
Indoors	90 lbs (400 N)
Outdoors	45 lbs (200 N)
Stowed width	30″ (76.2 cm)
Stowed length	56.75″ (1.44 m)
With step removed	54.75″ (1.39 m)
Stowed height	73″ (1.85 m)

Platform

Dimensions	29.5″ x 52″ (74.9 cm x 132.08 cm)
Extension	29.5″ x 24″ (74.9 cm x 60.9 cm)
Total length with extension	76″ (193 cm)
Guardrail height	43.5″ (1.1 m)
Toeboard height	6″ (15.2 cm)
Rated work load	
Total	600 lb (273 kg)
Extension	250 lb (90.7 kg)
Rated work load with extension Step-up	
Total	550 lb (250 kg)
Extension	200 lb (113 kg)
Maximum number of occupants	1 outdoors 2 indoors

Function Speed

Platform raise	28 to 32 seconds
Platform lower	18 to 22 seconds
High Drive	
Platform lower than 6′ (1.8 m)	0 to 2 mph (0 to 3.2 km/h)
Low Drive	
Platform higher than 6′ (1.8 m)	0 to 0.4 mph (0 to 0.6 km/h)

Drive System

Standard	Two-wheel drive
Gradeability	25%
Maximum drive height	13′ (4 m)

Drive/Lift Level Sensor Interlock

Side-to-side – ANSI	1.5 degrees
Front-to-rear	2 degrees

Tires

Nonmarking solid rubber
12.72″ x 3.94″ (32.3 cm x 10 cm)

Electrical System

Voltage	24 V DC
Source	One - 24 V 60 amp hour lithium battery Four - 6 V 213 amp hour AGM batteries
Motor	24 V
Charger	25 amp
Input	120/240 V

Hydraulic System

Maximum pressure	3,200 psi (22,063 kPa)
Reservoir capacity	0.82 US gal (3.1 l)
System capacity	1.2 US gal (4.6 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

Standard machine	
Gust or steady	28 mph (12.5 m/s)
With Step-up option	
Indoor use only	Zero

Vibration

Hand/arm	less than 2.5 m/sec²
Body	less than 0.5 m/sec²

Sound Pressure Level

At work station	below 70 dB(A)

Group Classification

Heavy Duty – intended life	100,000 load cycles

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- Hold the switch upward to raise the platform.
- Hold the switch downward to lower the platform.
- An alarm will sound as the platform lowers.

Upper Controls

The upper controls (refer to Figure 7.3) are located on the control panel in the platform. The upper control pendant is located at the right front of the platform. Platform and drive functions can be operated from the upper controls.

⚠Warning

The potential for an accident increases from improperly driving or steering the aerial platform. Death or serious injury could result from such accidents. Make sure the upper control panel is securely fastened inside the platform and facing the front of the machine.

Avoid driving the platform with the upper controls facing the rear or side of the machine. In this position the machine is difficult to control because the drive and steer control movements and their resulting machine movements will not correspond.

Only operate the upper controls when the upper control panel is securely fastened inside the platform and facing the front of the machine. Some machines may have an optional removable upper control panel. Remove the pin to remove the panel from the guardrails.

The following are located on the upper control panel:

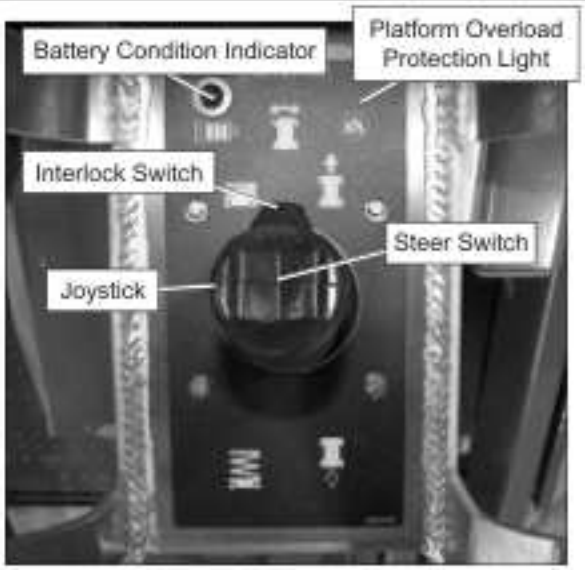
- Emergency stop button
- Drive/lift selector switch
- Drive range switch
- Joystick to control platform lift, drive, and steer
- Horn button
- Battery condition indicator
- Platform overload protection light

Emergency Stop Button

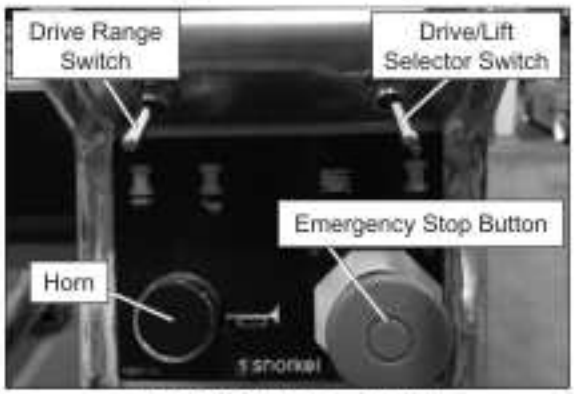
The emergency stop (refer to Figure 7.3) is a two-position, red push button on the front of the upper control panel.

- Push the button inward to disconnect power from all control circuits at the upper controls.
- Pull the button outward to restore power. Some early buttons require twisting to restore power.
- **Push the emergency stop button inward when the upper controls are not in use to protect against unintentional operation.**

Note
On ANSI machines, the lower controls override the upper controls. If the upper control emergency stop button is engaged, the lower controls can still be used to operate the aerial platform. On CE/AS/NZS machines, if one emergency stop is engaged the machine will not operate.



Upper Controls – Top



Upper Controls – Front

Figure 7.3 – Upper Controls

Drive/Lift Selector Switch

The drive/lift selector switch (refer to Figure 7.3) is used to select either machine drive or lift functions. Both functions can not be operated at the same time.

- Place the drive/lift selector switch in the drive position to drive the aerial platform using the joystick. The platform will not raise or lower while driving.
- Place the drive/lift selector switch in the lift position to raise and lower the platform using the joystick.

Joystick

Use the joystick (refer to Figure 7.3) to operate the following functions:

- Aerial platform steering
- Aerial platform drive and speed
- Platform raise/lower and speed

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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	
Pick-up screen	Clean	If system is contaminated.	
System pressures	Check system relief pressure	System Relief Pressure 3,200 psi (22,063 kPa)	

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

Performed by:_____ Date:_____

Model:_____ Serial Number:_____

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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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Minimum Safe Approach Distance – AS/NZS

Minimum safe approach distances to energized power lines and their associated parts must be observed while operating the aerial platform.

⚠Danger

The aerial platform is not electrically insulated. Death or serious injury will result from contact with, or inadequate clearance from, an energized conductor. Do not go closer than the minimum safe approach distance as defined by national safety regulations.

AS/NZS 2550.10:2006 define minimum distances that must be observed when working near overhead power lines on poles and overhead power lines on towers. Refer to the clearance requirements decals on the machine to determine safe approach distances (refer to Figure 1).

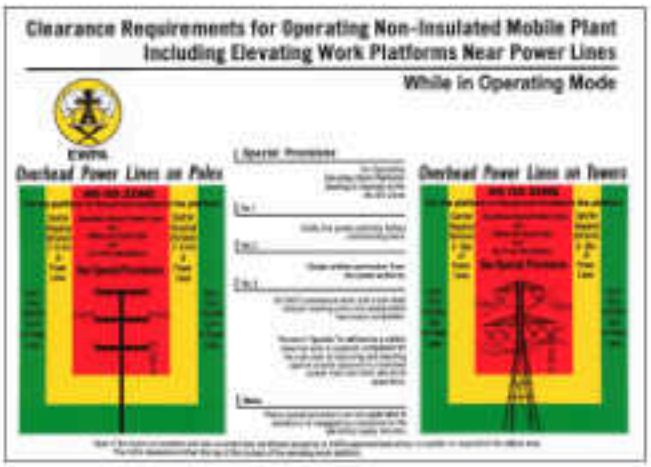


Figure 1 – Minimum Safe Approach Distance

Platform Capacity

The maximum unrestricted rated load capacity and the maximum number of occupants for the aerial platform are stated on machine decals, placards, and in the machine specifications in this manual.

⚠Danger

The aerial platform can tip over if it becomes unstable. Death or serious injury will result from a tip-over accident. Do not exceed the capacity values indicated on the machine decals, placards, and in the machine specifications in this manual.

Manual Force

Manual force is the force applied by the occupants to objects such as walls or other structures outside the work platform.

⚠Danger

The aerial platform can tip over if it becomes unstable. Death or serious injury will result from a tip-over accident. Do not exceed the maximum allowable manual force indicated on the machine decals, placards, and in the machine specifications in this manual.

The maximum allowable manual force is limited to 45 lbs (200 N) of force per occupant, with a maximum of 90 lbs (400 N) for all occupants.

Wind Speeds

Do not add anything to the aerial platform that will increase the wind loading such as billboards, banners, flags, etc.

⚠Danger

The aerial platform can tip over if it becomes unstable. Death or serious injury will result from a tip-over accident. Do not operate the machine in wind speeds of 28 mph (12.5 m/s) or greater.

Do not operate the aerial platform in windy conditions with wind gusts or steady wind speeds of 28 mph (12.5 m/s) or greater. Refer to Figure 2.

Prestart Inspection

Perform a prestart inspection before each shift as described in Chapter 8. Do not use the aerial platform on the job unless you are trained and authorized to do so.

Work Place Inspection and Practices

Do not use the aerial platform as a ground connection when welding.

- The welding ground clamp must be attached to the same structure that is being welded.
- Electrical current flow can be very intense, causing serious internal damage to some components.

BEAUFORT RATING	WIND SPEED				GROUND CONDITIONS
	m/s	km/h	ft/s	mph	
3	3,4~5,4	12,25~19,4	11.5~17.75	7.5~12.0	Papers and thin branches move, flags wave.
4	5,4~8,0	19,4~28,8	17.75~26.25	12.0~18	Dust is raised, paper whirls up, and small branches sway.
5	8,0~10,8	28,8~38,9	26.25~35.5	18~24.25	Shrubs with leaves start swaying. Wave crests are apparent in ponds or swamps.
6	10,8~13,9	38,9~50,0	35,5~45.5	24.5~31	Tree branches move. Power lines whistle. It is difficult to open an umbrella.
7	13,9~17,2	50,0~61,9	45.5~56.5	31.~38.5	Whole trees sway. It is difficult to walk against the wind.

Figure 2 – Beaufort Scale

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