snorkel

A46JE



OPERATOR'S MANUAL

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Appendix A – Glossary

Limited Warranty

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General Specifications

Aerial Platform

Working height	52' 4" (15.9 m)
Maximum platform height	46' 4" (14.1 m)
Up and over height	25' 2" (7.6 m)
Maximum horizontal reach	24' 6" (7.47 m)
Main boom	
Articulation	0° to +72°
Extension	80" (2 m)
Jib	
Articulation	-70° to +70°
Extension	5' (1.5 m)
Tail swing	0
Turntable rotation	360° non-continuous
Turning radius	
Inside	24" (0.6 m)
Outside	9' 10" (3 m)
Wheelbase	73" (1.8 m)
Ground clearance	6" (15.2 cm)
Maximum wheel load	7,150 lbs (3,243 kg)
Maximum ground pressure	151 psi (10.6 kg/cm^2)
Weight, EVW	
Approximate	14,300 lbs (6486 kg)
Width	5' 9" (1.7 m)
Stowed length	18' 4" (5.6 m)
Stowed height	6' 7" (2.1 m)

Platform

Dimensions	39" x 72" (99 cm x 178 cm)
Toeboard height	6" (15.2 cm)
Rated work load	500 lb (227 kg)
Rotation	80° CW to 80° CCW
Maximum number of occupants	2 people

Function Speed

Turntable rotation	65 to 85 seconds
Riser	
Up	25 to 30 seconds
Down	15 to 20 seconds
Main boom	
Up	25 to 30 seconds
Down	18 to 23 seconds
Extend	12 to 16 seconds
Retract	26 to 30 seconds
Platform rotation	16 to 20 seconds
Jib	
Up	20 to 25 seconds
Down	30 to 35 seconds
Drive	
High, booms stowed	3.2 mph (5.1 km/h)
Low, booms raised/extended	0.8 mph (1.3 km/h)

Drive System

Standard	Two wheel drive
Gradeability – theoretical	30%

Tires

Non-marking	IN240/55D 17.5

Electrical System

Voltage	48 V DC
Source	Eight - 6 V 360 amp batteries
Fluid recommended	distilled water
Charger	40 amp

Hydraulic System

Maximum pressure	2,800 psi (19,305 kPa)
Reservoir capacity	5 US gal (18.9 l)
System capacity	9 US gal (34 l)
Maximum operating temperature	200°F (93°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 (45 km/h)

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⚠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 while operating the aerial platform.

- Controls to position the platform are located on the lower control panel on the turntable and on the upper control panel in the platform.
- Controls to drive the aerial platform are located on the upper control panel only.

Battery Disconnect Switch

The battery disconnect switch is located at the rear of the chassis (refer to Figure 7.1).

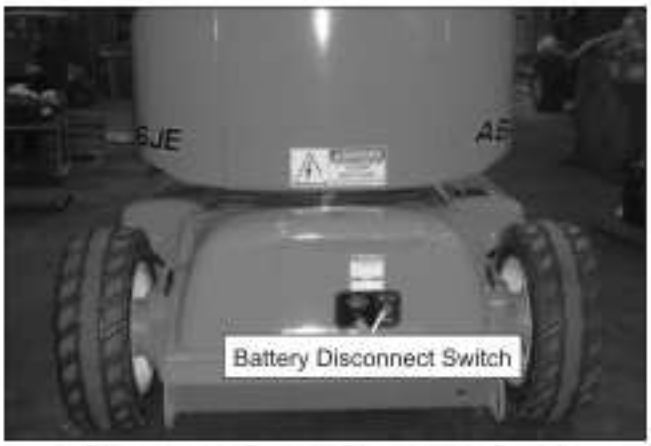


Figure 7.1 – Battery Disconnect Panel

The battery disconnect removes electrical power from all electrically controlled functions when in the off position.

- Place the switch in the on position to electrically connect the battery to the electrical system.

⚠Caution

Only authorized personnel should operate the aerial platform. Unqualified personnel may cause injury to coworkers or property damage. Lock the battery disconnect switch in the off position before leaving the aerial platform unattended.

- Lock the battery disconnect switch in the off position to prevent unauthorized use of the aerial platform.

Lower Controls

The lower controls (refer to Figure 7.2) are located on the left side of the turntable. Boom and platform functions can be operated from the lower controls. The following are located on the lower control panel:

- Start switch
- Emergency stop button
- Controls selector switch
- Ground operation switch
- Rotation switch
- Riser switch
- Boom elevation switch
- Boom extension switch
- Jib articulation switch
- Platform level switch
- Platform rotation switch
- Emergency power switch

Start Switch

The start switch (refer to Figure 7.2) connects power to all control circuits with a key switch.

- Turn the switch to the on position to connect the electrical power to the lower and upper controls.
- When the machine is not in use, turn the switch to the off position to preserve the battery charge.

Emergency Stop Button

The emergency stop (refer to Figure 7.2) is a two-position, red push button.

- Push the button inward to disconnect power to all control circuits.
- Pull the button outward to restore power.

Controls Selector Switch

Use the controls switch (refer to Figure 7.2) to select between lower control and upper control operation.

- Place the switch in the upward position to operate the aerial platform from the upper controls.
- Place the switch in the downward position for lower control operation.

Ground Operation Switch

Hold the ground operation switch (refer to Figure 7.2) upward continually to operate the machine from the lower controls. This switch is spring returned to the off position.

Rotation Switch

The rotation switch (refer to Figure 7.2) is used to rotate the turntable in a clockwise or counterclockwise direction. The switch is spring returned to the center off position.

- Hold the switch to the right to rotate the turntable counterclockwise.
- Hold the switch to the left to rotate the turntable clockwise.

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Product Warranty

3. Any Snorkel product which has been subject to misuse and abuse, improper maintenance or accident. "Misuse" includes but is not limited to operation beyond the factory-rated load capacity and speeds. "Improper maintenance" includes but is not limited to failure to follow the recommendations contained in the Snorkel Operator's and Repair Parts Manuals.

4. Normal wear of any Snorkel component part(s). Normal wear of component parts may vary with the type, application or type of environment in which the machine may be used; such as, but not limited to sandblasting applications.

5. Routine maintenance, routine maintenance items and minor adjustments are not covered by this warranty, including but not limited to hydraulic fluid, filters and lubrication, paint and decals.

6. Any Snorkel product that has come into direct contact with any chemical or abrasive material.

7. Incidental or consequential expenses, losses, or damages related to any part or equipment failure, including but not limited to freight cost to transport the machine to a repair facility, downtime of the machine, lost time for workers, lost orders, lost rental revenue, lost profits, expenses or increased cost. This warranty is expressly in lieu of all other warranties, representations or liabilities of Snorkel, either expressed or implied, unless otherwise amended in writing by Snorkel.

8. Snorkel Warranty policy does not cover any duties, taxes, environmental fees including without limitation, disposal or handling of tires, batteries and petrochemical items.

9. Item specifically excluded are, fuel injectors, motor brushes, glow plugs, contactor tips and springs, oil filters, lamp bulbs, lamp lenses, O-rings, coolants, lubricants and cleaning material.

10. Failure of replacement parts due to fault misdiagnosis or incorrect fitting by the Distributor/Customer.

SNORKEL MAKES NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THIS LIMITED WARRANTY

SNORKEL MAKES NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND DISCLAIMS ALL LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO INJURY TO PERSONS OR PROPERTY.

The Customer shall make all warranty claims through Snorkel directly or an Authorised Distributor. If unable to contact the Distributor, contact the Snorkel Service Department for further assistance.

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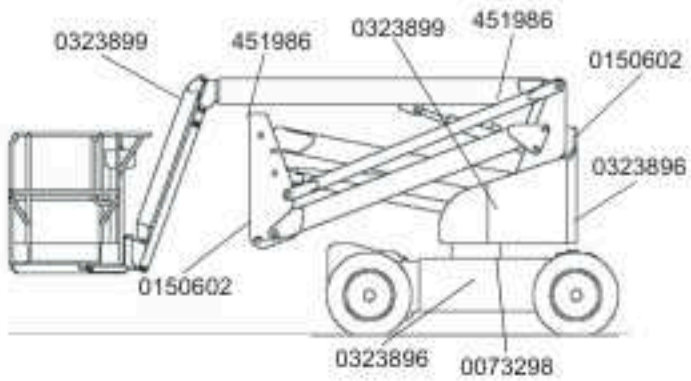
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