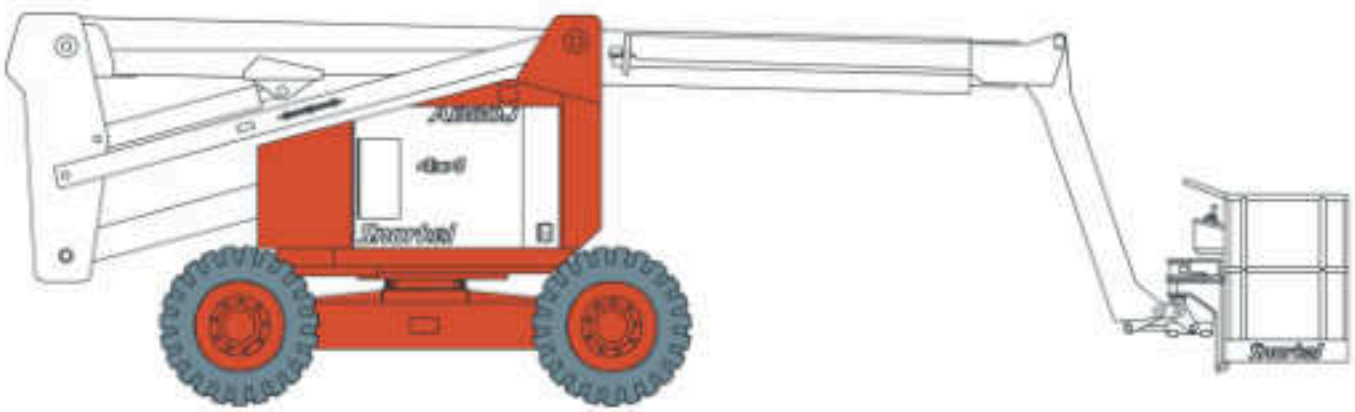
# Operator's Manual



# AB60J

Part Number 0182099EE
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CE

Snorkel
INTERNATIONAL

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**Appendix A – Glossary**

**Limited Warranty**



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## General Specifications

| | |
|---|---|
| **Aerial Platform** | |
| Working height | 20.11 m (66′) |
| Maximum platform height | 18.29 m (60′) |
| Horizontal reach | 13.1 m (43′ 1″) |
| Main boom elevation | -1° to +75° |
| Turntable rotation | 360° continuous |
| Turning radius, inside | |
| Two wheel drive | 2.45 m (8′) |
| Four wheel drive | 5.24 m (17′ 2½″) |
| Wheelbase | 2.4 m (8′) |
| Ground clearance | 30 cm (1′) |
| Tailswing | |
| Stowed | 1.54 m (5′) |
| Working | 0 m (0′) |
| Maximum wheel load | 5,670 kg (12,500 lbs) |
| Maximum ground pressure | 5.76 kg/cm² (82 psi) |
| Weight, EVW approximate | 11,249 kg (24,800 lbs) |
| Stowed width | 2.4 m (7′ 11½″) |
| Stowed length | 8.9 m (29′ 2″) |
| Stowed height | 2.5 m (8′ 3″) |

| | | |
|---|---|---|
| **Platform** | | |
| Dimensions | | |
| Standard steel | 76 cm x 152 cm (30″ x 60″) | |
| Rated work load | 227 kg (500 lb) | |
| Optional aluminum | 76 cm x 152 cm (30″ x 60″) | |
| Rated work load | 227 kg (500 lb) | |
| Optional aluminum | 76 cm x 243 cm (30″ x 96″) | |
| Rated work load | 227 kg (500 lb) | |
| Rotation | | 90° CW to 90° CCW |
| Maximum number of occupants | | 2 people |
| Optional AC generator | | 220 VAC |

| | |
|---|---|
| **Function Speed** | |
| Turntable rotation, 360 degrees | 123 to 125 seconds |
| Main boom | |
| Up | 47 to 52 seconds |
| Down | 47 to 52 seconds |
| Extend | 30 to 38 seconds |
| Retract | 30 to 38 seconds |
| Riser boom | |
| Up | 24 to 30 seconds |
| Down | 16 to 20 seconds |
| Jib boom | |
| Up | 9 to 12 seconds |
| Down | 7 to 11 seconds |
| Platform rotation, 180 degrees | 16 to 20 seconds |

| | |
|---|---|
| Drive | |
| 4x4 and 4x2 | |
| High, booms stowed | 5.1 km/h (3.2 mph) |
| Mid, booms stowed | 2.9 km/h (1.8 mph) |
| 4x4 | |
| Low, booms down/retracted | 1.6 km/h (1 mph) |
| Low, booms up/retracted | 1 km/h (0.6 mph) |
| 4x2 | |
| Low, booms down/retracted | 1.1 km/h (0.7 mph) |
| Low, booms up/retracted | 1.1 km/h (0.7 mph) |

| | |
|---|---|
| **Drive System** | |
| Standard | Four wheel drive |
| Optional | Two wheel drive |
| Gradeability | 20% |

| | |
|---|---|
| **Tires** | |
| Foam filled | 15-19.5, 12 ply |

| | |
|---|---|
| **Electrical System** | |
| Voltage | 12 V DC negative chassis ground |
| Source | One - 12 V 550 CCA battery |
| Fluid recommended | distilled water |

| | |
|---|---|
| **Hydraulic System** | |
| Maximum pressure | 20,700 kPa (3,000 psi) |
| Reservoir capacity | 94.6 l (25 US gal) |
| System capacity | 132.5 l (35 US gal) |
| Maximum operating temperature | 93°C (200°F) |
| Hydraulic fluid recommended | |
| Above -13°C (10°F) | Mobil DTE-13M (ISO VG32) |
| Below -13°C (10°F) | Mobil DTE-11M (ISO VG15) |

| | |
|---|---|
| **Engine** | |
| Diesel | Cummins B3.3 |

| | |
|---|---|
| **Fuel Tank Capacity** | |
| Diesel | 151.4 l (40 US gal) |

| | |
|---|---|
| **Ambient Air Temperature Operating Range** | |
| Celsius | -18°C to 43°C |
| Fahrenheit | 0°F to 110°F |

| | |
|---|---|
| **Maximum Wind Speed** | |
| Gust or steady | 45 km/h (28 mph) |

| | |
|---|---|
| **Vibration** | less than 2.5 m/sec² |

| | |
|---|---|
| **Sound Threshold** | below 97 dB(A) |



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# Chapter 5 – Gauges and Displays

The aerial platform is equipped with several gauges to monitor the condition of the machine before and during operation.

## Hour Meter

The hour meter is located on the front of the lower controls (refer to Figure 5.1). It measures the accumulated engine operating time.




**Figure 5.1 – Lower Controls**

## Engine Temperature Gauge

The temperature gauge is located on the gauge panel above the lower controls (refer to Figure 5.2).

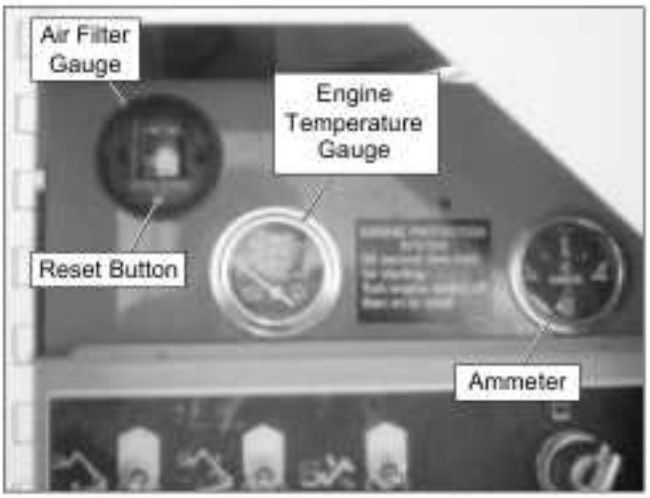



**Figure 5.2 – Engine Gauge Panel**

On liquid cooled engines it shows the temperature of the water and antifreeze mixture in the engine block. The gauge on air cooled engines shows the temperature of the engine oil as the oil leaves the filter.

## Ammeter

The ammeter is located on the engine gauge panel (refer to Figure 5.2). The ammeter displays the level of current flow from the alternator to the batteries.

After the engine has been running for a few minutes under normal operating conditions, the ammeter gauge indicator should read "0."

## Engine Air Filter Gauge

The air filter gauge (refer to Figure 5.2) is located above the lower control panel. The gauge measures the air pressure between the intake manifold and the air filter.

The yellow indicator disk inside the sight glass stays at its highest level when the engine is turned off.

When the yellow indicator disk reaches the red area, it's time to change the filter element. After changing the filter, press the reset button to reset the indicator disk to the bottom of the sight glass.

## Fuel

The fuel gauge is on top of the fuel tank (refer to Figure 5.3). Read the gauge at the line in the clear plastic window. The fuel tank is behind the doors on the right side of the machine.

*Note*
*Do not run a diesel fuel tank empty. Air in the fuel line makes the engine hard to start.*




**Figure 5.3 – Fuel Tank**



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## Machine/Generator Switch

The switch for the optional AC generator is located on the front of the upper control panel.

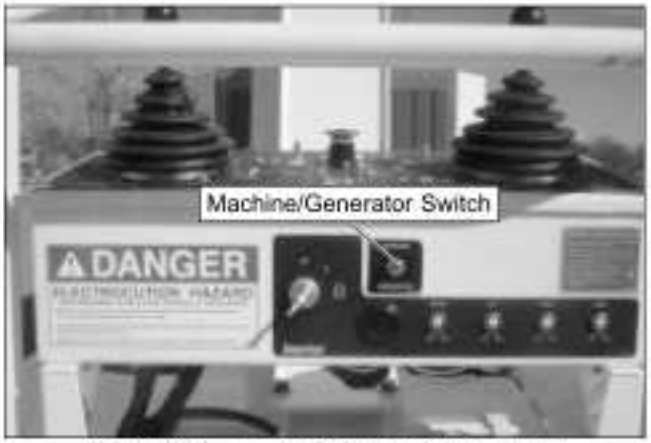



**Figure 6.8 – Upper Control Panel Front**

With the engine running, place the switch in the generator position to provide electrical power to the electrical outlet at the platform. Place the switch in the machine position to turn off the generator and resume machine operation.

Machine functions will not operate while the switch is in the generator position.

## Driving and Platform Work Lights

The control for the optional driving lights is on the back of each light. Place the switch in the on position to operate the driving lights.

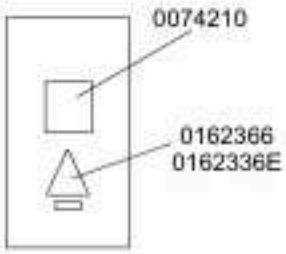
The control for the optional platform work lights is on the back of each light.



**Figure 6.9 – Platform Work Lights**



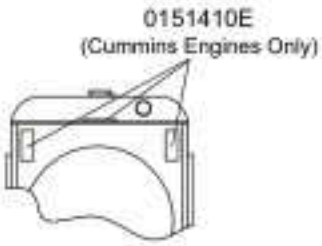
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**Inside Lower Control Door**




0074210




**Radiator**



0162366




0162336E



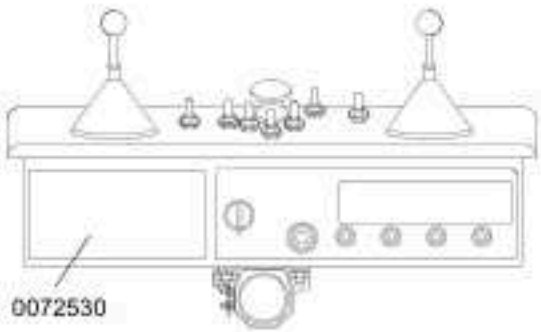

**Platform**




0151410E




0072531




**Upper Control Panel Front**




0072530



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