snorkel

EPV16



Gasoline
Diesel

OPERATION MANUAL

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Serial Number NZ110412 and after

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Appendix A. Glossary

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The Snorkel EPV16 is a boom supported elevating work platform built to conform to all applicable OSHA, ANSI or CSA standards as previously outlined.

OSHA Paragraph 1910.67 Title 29, C.F.R., Vehicle-Mounted Elevating and Rotating Work Platforms - Labour.

OSHA Paragraph 1926.556 Title 29, C.F.R., Aerial Lifts - Construction.

Australian Standard AS1418-10 Elevating Work Platforms.

NOTE:

For further details regarding lubricants, maintenance schedules and service please refer to the Maintenance and Repair Parts Manual for this machine.

■ General Specifications- Typical

SPECIFICATIONS	EPV16	
Nominal working height	15.8m	51' 10"
Maximum height to basket floor	13.8m	45' 3"
Maximum outreach	7.0m	23'
Maximum outreach height	7.9m	22' 6"
Nominal Maximum width of base	2m	6' 5"
Safe working load (unrestricted)	200kg	440lbs
Standard colour	Black base / white booms	
Platform size	1200 x 760 x 1100mm Steel	4' x 2' 6" x 3' 7" Steel
Nominal Travelling height	2.8m	9' 2"
Nominal Overall length	6.75m	22' 6"
Turntable rotation	360° continuous	
Insulation rating (Optional)	Low Voltage	
Nominal weight	1700kg	3746lb
Maximum chassis inclination	1.5/1.5 degrees	
Maximum allowable force	400N	
Maximum outrigger load	2390kg	5269lbs

* This value will change depending on options fitted and the truck model. The value given is an average. Calculate the value or call Snorkel Service if more accurate values are required by ground conditions

■ Recommended Hydraulic Oil

Shell Tellus 32 or Castrol AWS 32 or similar

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■ Hourmeter



Figure 4.1 - Hourmeter

The hour meter is basically an electric clock. It accumulates time when the master key switch is turned on. The hour meter cannot be reset. An EPV qualified service technician can use it to tell when it is time for the periodic maintenance listed in the maintenance manual.

■ Level Bubble

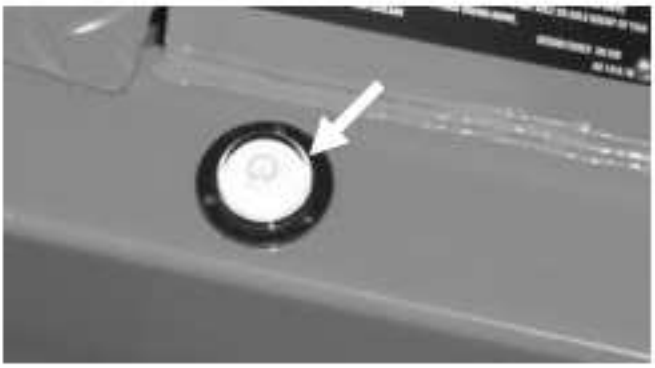


Figure 4.2 - Level Bubble

A level bubble is mounted on the base. Watch the bubble while you set the stabilisers. Lower the stabilisers, front ones first, one (1) at a time just enough to center the bubble in the circle on top of the gauge. When the bubble is central the platform is level and the platform can be safely raised.

■ Hydraulic Oil Level

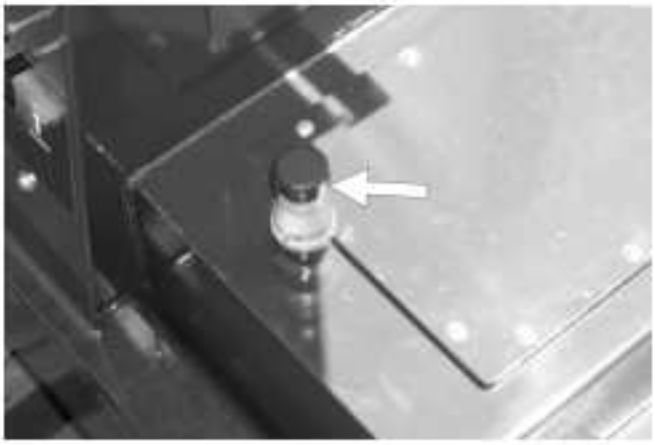


Figure 4.3 - Hydraulic Oil Level

The hydraulic oil level gauge is on the side of the hydraulic oil tank. It shows the actual level of oil inside the tank. Read it only when the booms are fully lowered and stabilisers are raised in the travel position. The oil level should be within + or - 6mm (¼") of the line.

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NOTE: - Control Options

If your machine has hydraulic controls go to page 7

■ Ground Control Switches Machines with Electric Controls

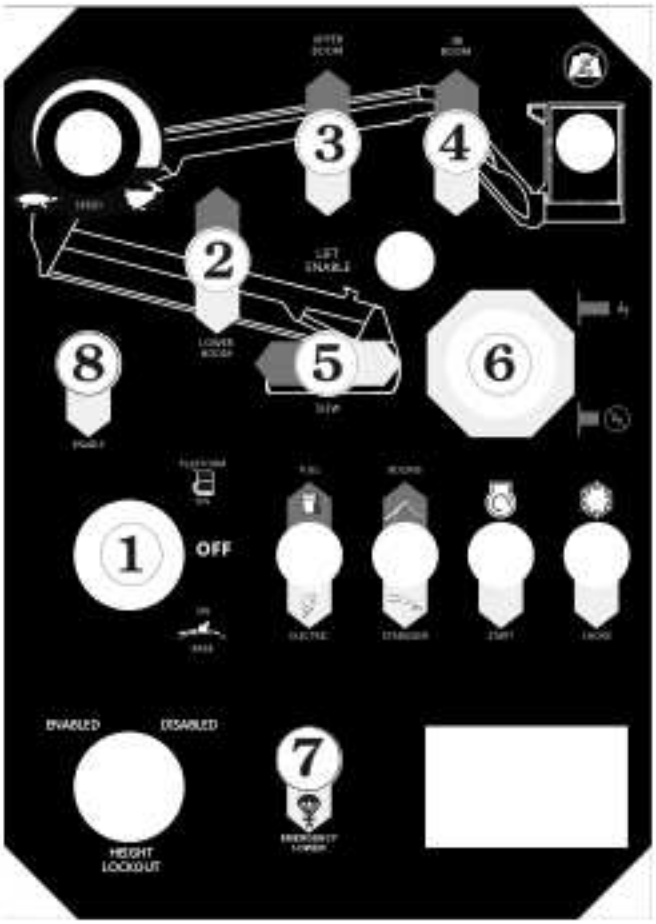


Figure 9.13 - Ground Control Switches

With the Ground/Platform Selector ❶ set to ground/base:
Check that each of the platform moving switches (❷ through to ❺) cause the EPV16 to move the way it should.

Check both positions of each switch.

For correct operating procedures see the "Operation" chapter 10.

NOTE

*Pay particular attention to the **Emergency Stop** switch ❻ to see that it turns the EPV16 engine off when the red button is struck.*

With the booms raised operate the **Emergency Lower Switch** ❼ in conjunction with the **Enable Switch** ❽. The booms should begin to lower.

For details on correct emergency lowering operating procedures see "Emergency Operation" chapter 11.

■ Platform Control Switches Machines with Electric Controls

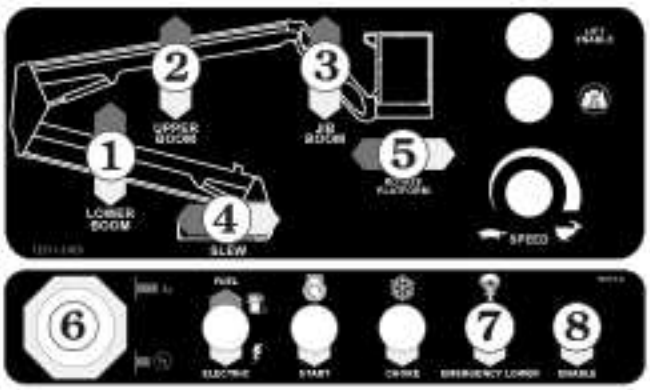


Figure 9.14 - Platform Control Switches

On the ground control box set the **Ground/Platform Selector** to platform.

Check that each of the platform moving switches (❶ through to ❺) cause the platform to move the way it should.

Check both positions of each switch.

For correct operating procedures see the "Operation" chapter 10.

NOTE

*Pay particular attention to the **Emergency Stop** switch ❻ to see that it turns the EPV16 engine off when struck.*

Pay particular attention to the platform foot switch to see that it deactivates the platform moving switches when the foot switch is not stepped on.

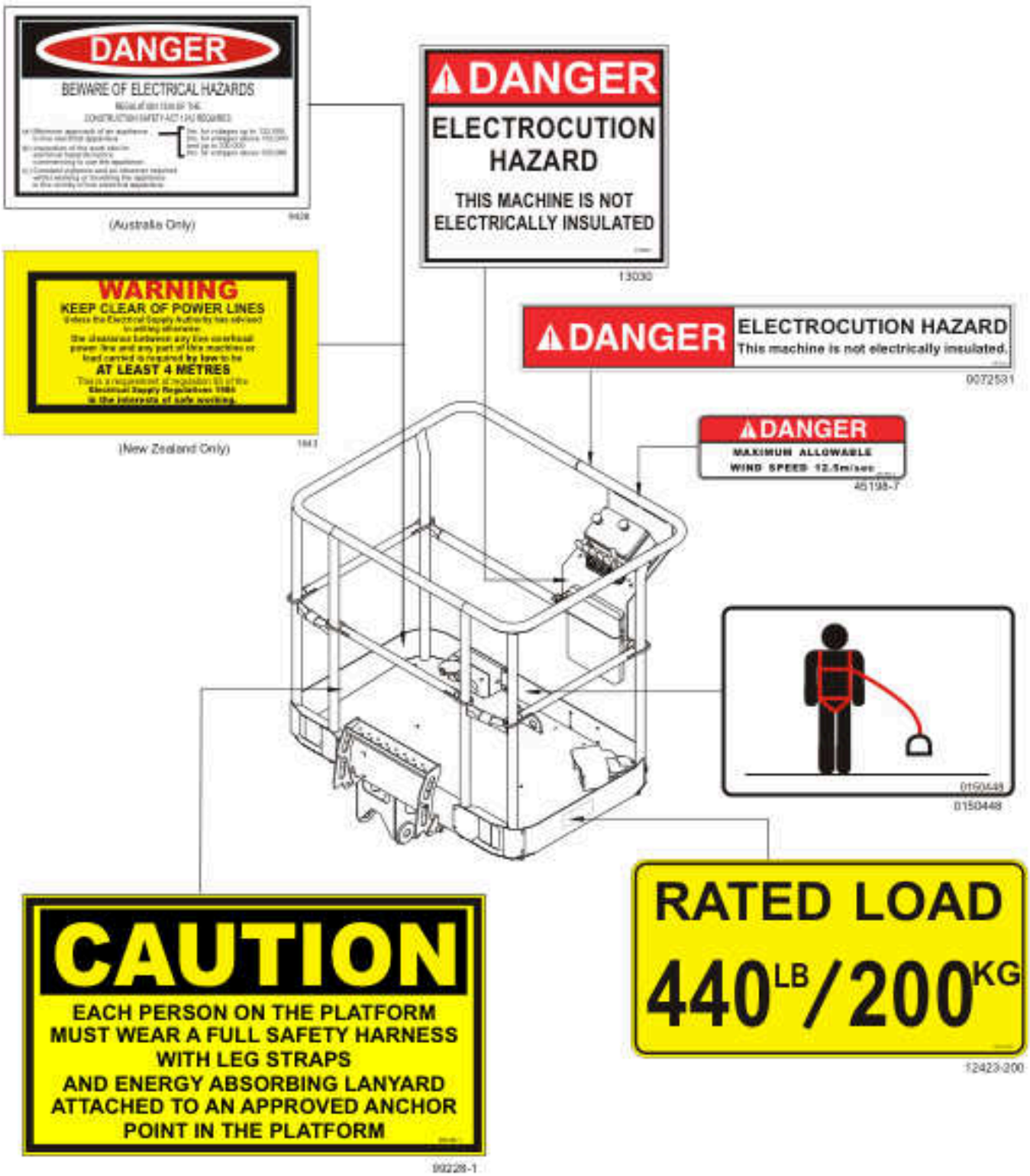
Emergency lower from the upper control box is achieved by operating the **Enable Switch** ❽ or depressing the **Foot Switch** whilst operating the **Emergency Lower Switch** ❼

For details on correct emergency lowering operating procedures see "Emergency Operation" chapter 11.

At the completion of the above section the unit can be returned to the stowed position.

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MACHINES WITH ELECTRIC CONTROLS



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■ Emergency Operation Procedures

The following procedures are emergency procedures only. **DO NOT** use them for normal operation. Their purpose is to get the platform and operator safely to ground when the EPV16 will not start or some other problem keeps the platform from lowering in the normal way.

Note:

If your machine has "Hydraulic Controls" read this section immediately below, if however, your machine has "Electric Controls" go to page 3 of this chapter.

■ Emergency Operation Procedures Machines with Hydraulic Controls

❑ Operation from platform control station hydraulic control machines

Switch settings listed in the two (2) steps below must exist at the ground before emergency operation procedures will work at the platform control box:

➧ Ground control station settings

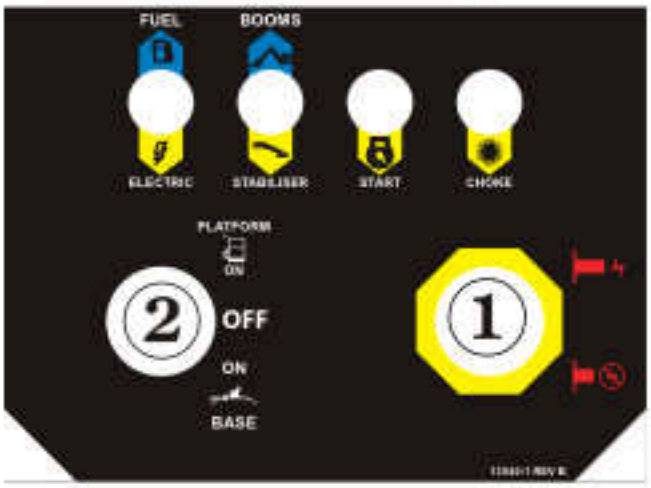


Figure 11.1 - Ground Control Box, Hydraulic Controls

1. The **Emergency Stop** switch ❶ must be (ON) (see Figure 11.1).
2. The **Platform/Ground Selector** switch ❷ (see Figure 11.1) must be set to PLATFORM.

➧ Platform Control Station settings

3. Set the **Emergency Stop** switch ❸ to ON (see Figure 11.2). There will be a slight variance in layout of controls depending on the configuration of your machine.

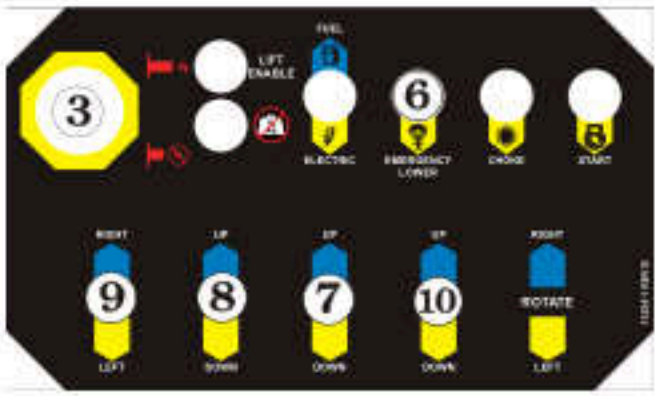


Figure 11.2 - Platform Control Box, Steel Basket, Hydraulic Controls

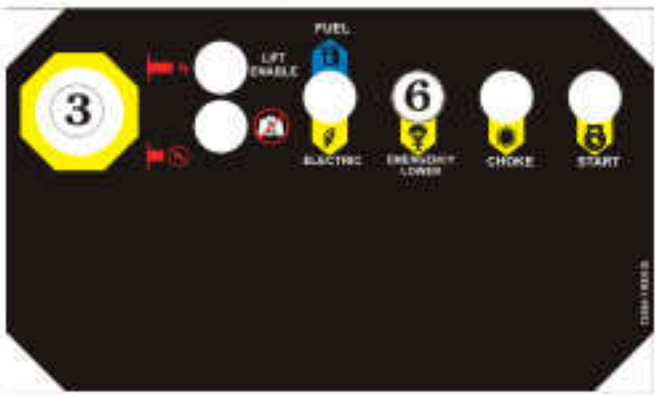


Figure 11.2 - Platform Control Box, Fibreglass Non-Insulated Basket, Hydraulic Controls

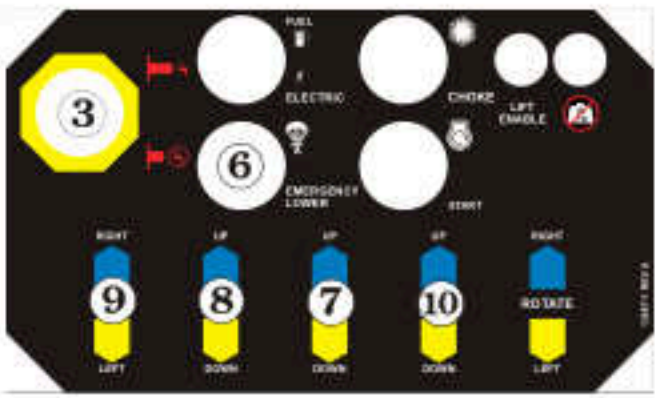


Figure 11.2 - Platform Control Box, Low Voltage Machines, Hydraulic Controls

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