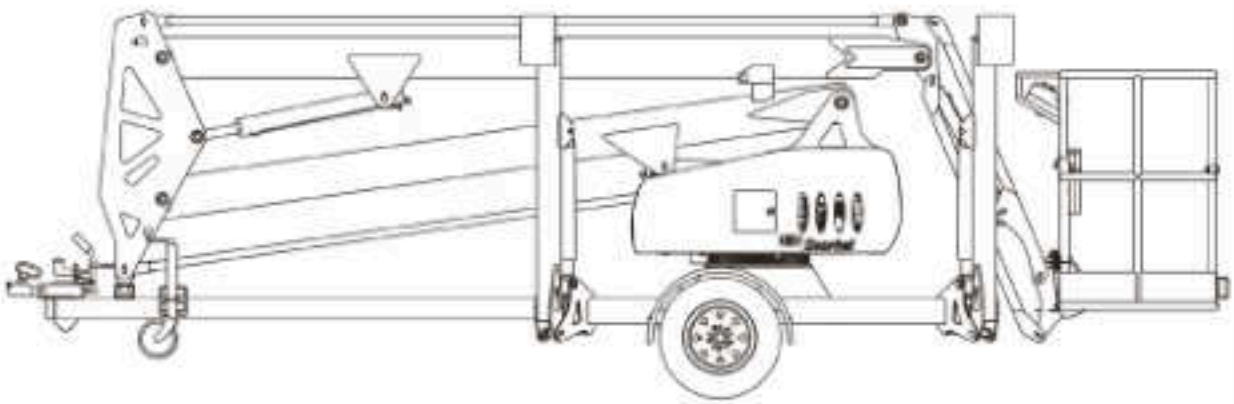
Snorkel

Operator's Manual

MHP 13/35

Engine Powered
Gasoline/Diesel
Battery Electric



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3. Specifications

The Snorkel MHP13/35 is a boom supported elevating work platform built to conform to these standards, American Standard ANSI A92.2-2001, Australian Standard AS1418-10(Int) 2004 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

SPECIFICATIONS	MHP13/35	
Working height	12.6m	41'
Platform height	10.6m	35'
Rated load	250kg (227kg ANSI)	550lb (500lb ANSI)
Rated load (with rotator)	227kg (200kg ANSI)	500lb (440lb ANSI)
Platform size	1.7 x 0.7 x 1.14m	3' 10"x 2' 4" x 3' 7"
Platform construction	Steel	
Platform levelling	Mechanical	
Boom type	Articulating	
Horizontal reach	5.6m at 6m	19' 8" at 19' 8"
Maximum wind speed 12.5m/s	45kph	28mph
Turntable rotation	540° non-continuous or 360° continuous	
Power source (std.)	Gasoline engine 5.5hp	
Hydraulic system	Proportional electro/hydraulic	
Stabilisation	4 independently operated hydraulic outriggers with safety interlocks	
Stabiliser footprint (max.)	3.7 x 3.6m	12' 1" x 13' 9"
Standard colour	Snorkel orange base and covers, white turret and booms	
Transport height	2.05m	6' 8"
Overall length	5.99m	20' 4"
Overall width - outriggers extended	3.95m	13'
Overall width - outriggers stowed	1.58m	5' 2"
Tyre size	165 x 13LT	
Brakes	Hydraulic disc	
Maximum towing speed	80kph	50mph
Maximum rated axle capacity	1500kg	3306.9lb
Weight (standard model)	1200kg	2645lb
Insulation rating	Nil	
Trailer tongue weight	65kg	143lb

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7. Daily Inspection and Maintenance

At the start of each work day (or 8 hour shift), an MHP13/35 qualified operator must perform the Daily Inspection and Maintenance as listed in the table below.

The purpose of the Daily Inspection and Maintenance is to keep the MHP13/35 in proper working condition and to detect signs of malfunction at the earliest possible time.

The MHP13/35 should be in the STOWED POSITION and the **Master Key Switch** set to OFF before you begin this inspection.

Defective parts and/or equipment malfunctions jeopardize the safety of the operator and other personnel, and can cause damage to the machine.

⚠ WARNING

The potential for an accident increases when operating an MHP that is damaged or malfunctioning. Death or serious injury can result from such accidents. Do not operate an MHP that is damaged or malfunctioning.

■ Daily Inspection and Maintenance Table

Item	Service Required
Engine fuel level	Look to see that the fuel tank is full
Fuel tank cap	Check to see that the cap is tight
Engine oil level	Check oil level (between dipstick lines)
Fuel leaks	Visually inspect (hoses and connections)
Operator's manual	Check that it is in the holder on the machine
Wiring harnesses	Visually inspect (installation, condition)
Battery terminals	Visually inspect (no corrosion)
Battery fluid level	Check fluid level (1/4" or 6 mm below filler neck)
Hydraulic oil level	Visually inspect level (between lines on gauge)
Hydraulic oil leaks	Visually inspect (hoses, tubes)
Tyres and wheels	Visually inspect (condition)
Bolts and fasteners	Visually inspect (condition)
Structural damage and welds	Visually inspect (weld cracks, dents)
Lanyard anchor points	Visually inspect (condition)
Platform gravity gate	Check condition and operation
Platform guardrails	Visually inspect (condition)
Flashing light (option)	Visually inspect (operation)
Ground control switches	Actuate and inspect for proper operation
Level sensor (option)	Check operation
Emergency lower	Check operation (causes correct motion)
Platform control box switches	Actuate and inspect for proper operation
RCD/ELCB AC outlet (option)	Check operation
Platform work lights (option)	Check operation
Placards and decals	Visually inspect (installation, condition)

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Figure 8.7

4. Set the **Emergency Stop** switch ❺ to (ON) (see Figure 8.7).
5. Turn the **Start** switch ❻ to ON (see Figure 8.7).
6. If the engine is at ambient temperature (cold), hold the **Choke Switch** ❼ (see Figure 8.7) up throughout the next step.
7. Turn the **Start** switch ❻ to START and hold it there until the engine starts or for a maximum time of 6 seconds. When the engine starts, release the key (6) and the choke switch ❼, if you used it (see Figure 8.7).

⚠CAUTION

If the engine does not start in 6 seconds, turn the Start switch OFF.and release the choke. Wait 60 seconds before trying to restart the engine again. Continual cranking of the starter motor will only result in its damage.

The engine should now be running, and the MHP13/35 is ready to begin work.

■ Moving The Platform

The engine should already be running (as described earlier in this chapter), before you start this section.

⚠DANGER

DO NOT operate near energized electrical conductors. Maintain the (M.S.A.D.), Minimum Safe Approach Distance to energized power lines. See the "Electrical Hazard" section, in this manual for a complete explanation of the hazards concerning electricity. Maintain the clearances shown on the decal attached to the platform.

⚠WARNING

Be certain that the space into which you are about to move the platform, boom, turntable, and/or chassis is free of obstructions. ALWAYS look in the direction of movement.

When you operate from the platform control box, be sure that the lanyard of your fall restraint is attached to an anchor point on the platform mount. Also, be sure that platform gate is closed behind you.

❑ From Ground Control Box

Each of the ways the platform can move is shown in the following photograph and switch illustration:

The photograph shows the platform switches that cause the platform or booms to move.

These platform moving switches, (❶ through ❹), will produce the movement as indicated by the illustration's to the right.

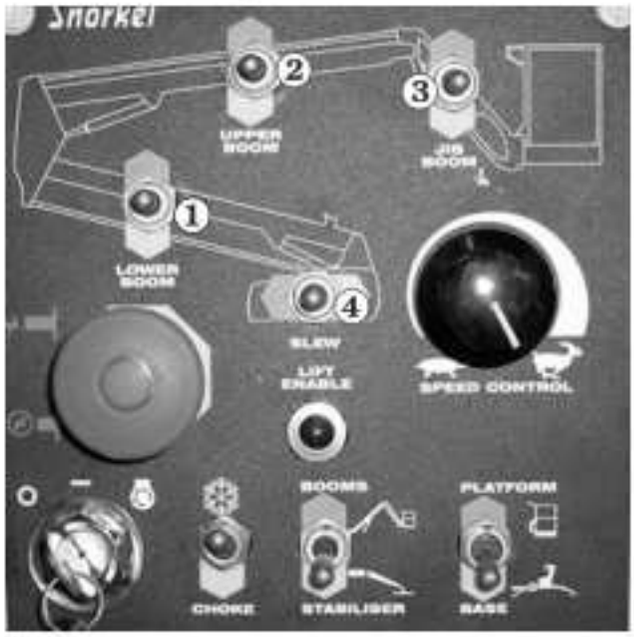
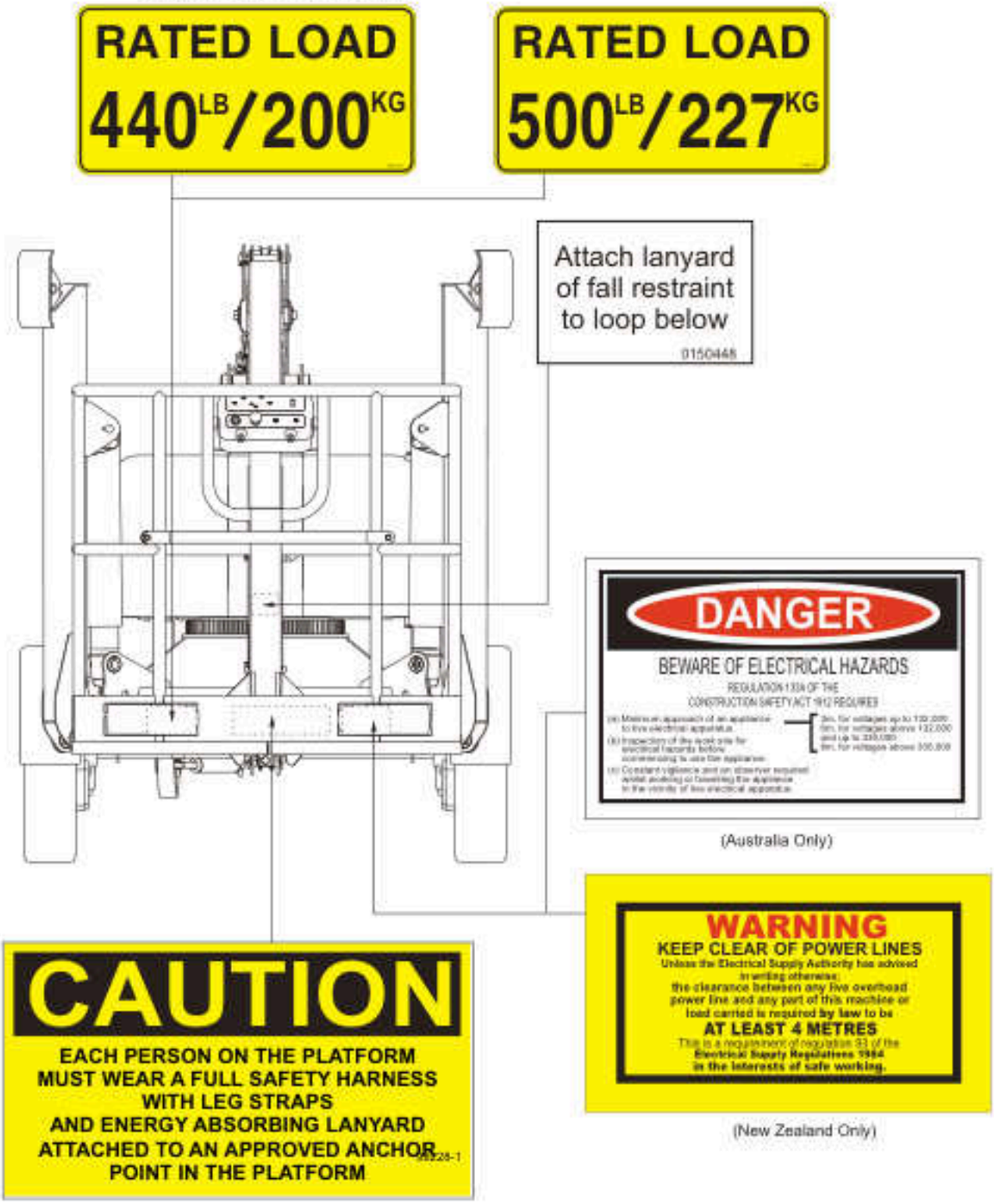


Figure 8.8 - Movement Control, Ground Control Box

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Note: Rated capacity depends on the configuration of the machine
see Chapter 3 - Specifications



NOTE:

Refer to Placards and Decals Inspection Chart and Drawing in the "Daily Inspection and Maintenance" chapter 7, for part numbers, location, and required quantities of all placards and decals.

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■ Controls Description

This chapter explains what each control does.

This chapter **DOES NOT** explain how to use the controls to produce useful work, refer to the "Operation" chapter 8-1 for that after you have read this chapter.

For optional equipment controls, see the "Options" chapter.11-1

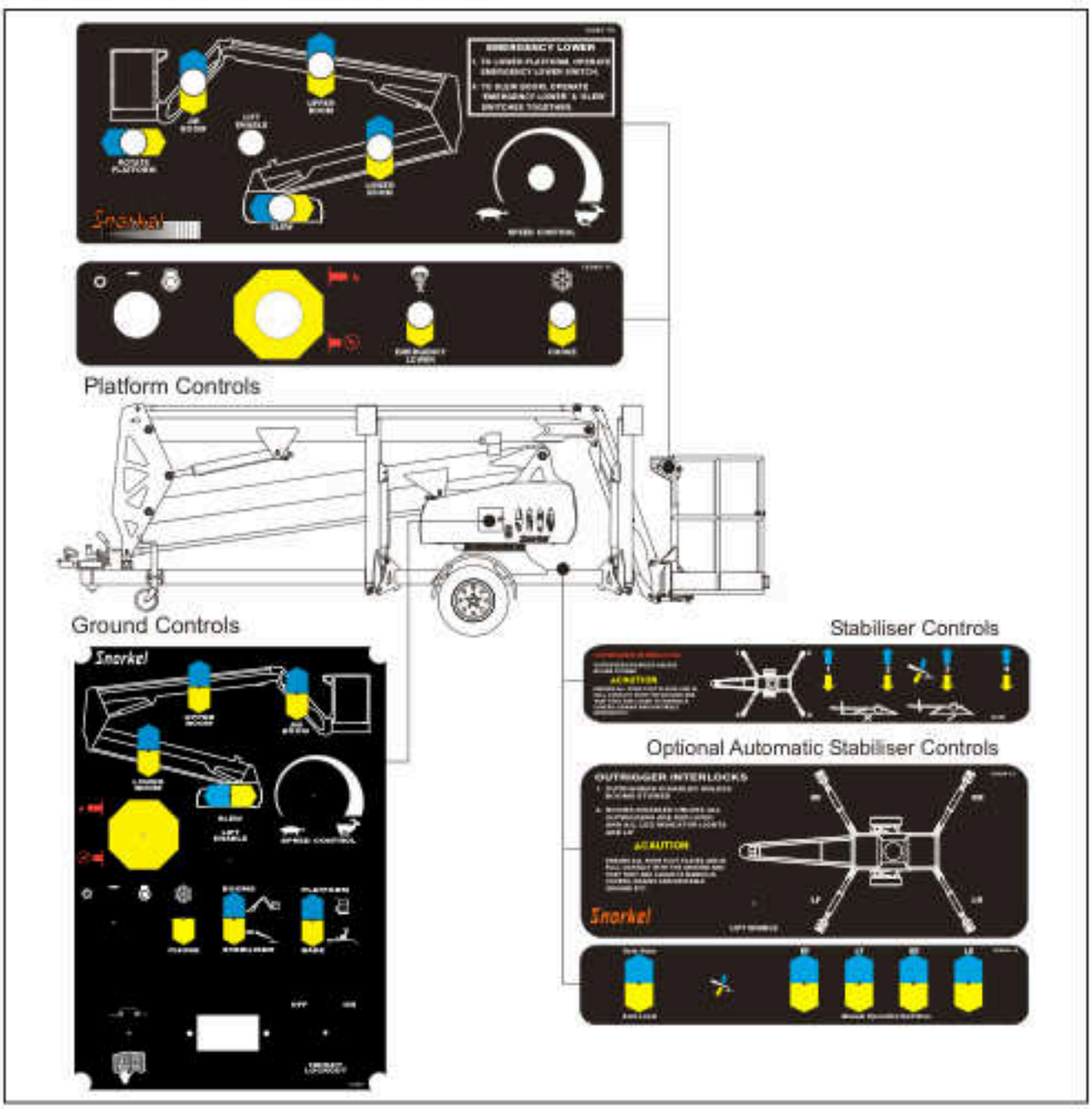
See the "Emergency Operation" chapter 9-1 for the location of the emergency bleed down control and for correct emergency bleed down procedures.

The main operating functions of an MHP13/35 can be controlled from the ground control box or from the platform control box.

⚠DANGER

Pinch points may exist between moving components. Death or serious injury can result from becoming trapped between components, buildings, structures, or other obstacles. Make sure all personnel stand clear while operating the MHP.

❑ Controls and Control Decals Locations



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