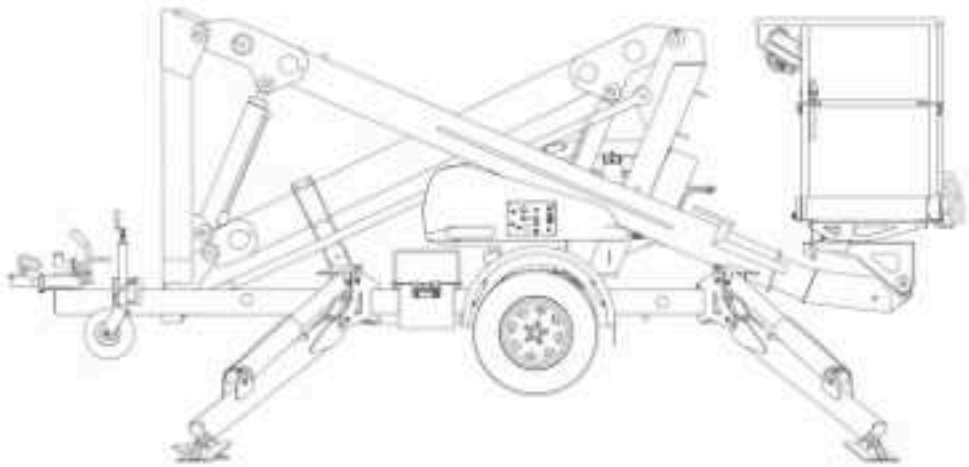
snorkel

TL39T



Diesel
Gasoline
Battery Electric
Bi-Energy Options

OPERATION MANUAL

Serial Number 000001 and after

Part Number: 15189-1
August 2018 (Rev B)

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Appendix A. Glossary

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☐ Enable switch (foot) - Optional



Figure 2.8 - Enable Switch (Foot)

The foot switch performs the same function as the standard enable switch described above. Stepping on the foot switch is an action that must be performed, at the same time as another action, to make the booms/platform move.

Note
If you have the optional foot switch fitted the enable switches on the upper control box and ground control box will still function.

■ Platform Overload Protection

As soon as either boom is raised out of the travel cradle (a boom stowed switch changes state) the overload protection system becomes active.

- If 90% of rated capacity is reached in the platform the overload light will illuminate.

This is a warning to the operator that the platform is reaching rated capacity.
Normal function will remain and the machine can continue to be used.

- If 100% of rated capacity is reached in the platform, the overload light will continue to illuminate and an alarm will sound.

This is a warning to the operator that rated capacity has been reached and the platform load must be reduced.
Normal function will remain to allow the platform to be positioned to remove some load from the platform.

- If 110% of rated capacity is reached in the platform the overload light will continue to illuminate and an alarm will continue to sound and all functions will be disabled.

The operator must remove load from the platform.
Normal function will resume once the platform load has been reduced below 110% for at least two (2) seconds.

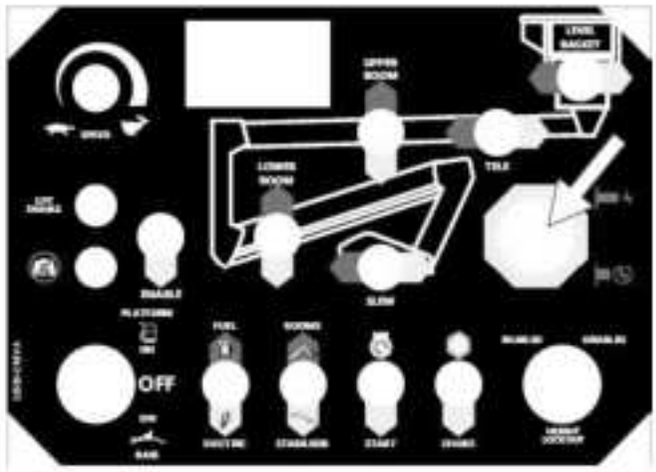


Figure 2.9 - Overload Indicator, Lower Control Box

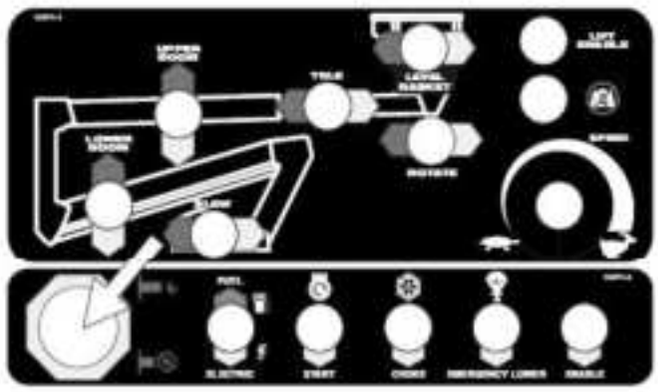


Figure 2.10 - Overload Indicator, Upper Control Box

☐ Bubble level



Figure 2.11 - Bubble Level

A bubble level is located on the trailer side rail, beside the outrigger controls. Watch the bubble level while you set the stabilisers. Lower the stabilisers one at a time, just enough to center the bubble in the middle piece of the gauge. When the bubble is centered the platform is level and can be safely raised.

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At the start of each work day (or 8 hour shift) a TL qualified operator must perform the Pre-Operational Inspection as listed in the table below.

The purpose of the Pre-Operational Inspection is to keep the TL in proper working condition and to detect signs of malfunction at the earliest possible time.

This chapter shows how to perform the inspection and maintenance required for each item in the Pre-Operational Inspection table.

The TL 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 machines.

⚠ WARNING

Do not operate a TL that is known to be damaged or malfunctioning. Repair all equipment damage or malfunctions, before placing the TL into service.

■ Pre-Operational Inspection Table

Item	Service Required
Stabiliser/Boom interlock test	Perform the test to ensure the system is functioning
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)
Engine cooling	Check that grills are not blocked
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 decal)
Hydraulic oil leaks	Visually inspect (hoses, tubes)
Tires and wheels	Visually inspect (condition)
Tire pressure	Check pressure (measure)
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
Ground control valve levers	Check operation (causes correct motion)
Ground emergency lower	Check operation (causes correct motion)
Emergency lower	Check operation (causes correct motion)
Platform control box switches	Actuate and inspect for proper operation
Platform emergency lower	Check operation (causes correct motion)
RCD/ELCB AC outlet (option)	Check operation
Platform work lights (option)	Check operation
Placards and decals	Visually inspect (installation, condition)
Platform entry ladder	Visually inspect (condition)

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■ Operating Procedures

This chapter explains how to properly start and operate TL39T. Read and understand all the previous chapters in this manual before you begin to operate a TL.

⚠ CAUTION

Do not leave the TL engine running if you are sandblasting. Sand drawn into the air intake can erode engine parts.

■ Control Stations

A TL can be operated from the ground control box or from the platform control box. There are basically two differences between ground control and platform control operations, both are safely related:

1. The ground control station can override the platform control station at any time. If a person operating the machine from a platform becomes incapacitated, a person on the ground can always take over machine control.

2. The stabilisers can only be selected from the ground control station and only when the booms are in the stowed position.

⚠ DANGER

The TL39T is not electrically insulated in its standard form.
Death or serious injury to operating personnel, can occur if the machine should come into contact with energised electrical wires during operation.
Do not attempt to operate the TL ground controls if the platform, booms or any other conducting part of a TL is in contact with energised electrical wires or if there is an immediate danger of such contact.

Note
See the 'Electrical Hazard' section in this manual for complete explanation of the hazards concerning electricity.

■ Emergency Stopping

To stop a TL, press the red emergency stop button in, on either the ground control box or the platform control box.

■ Emergency Stopping

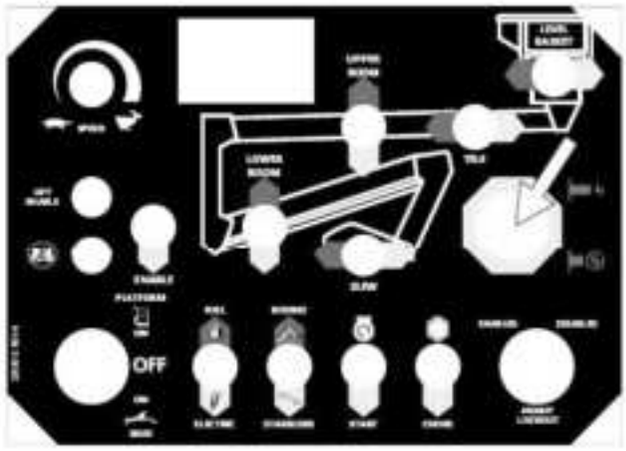


Figure 8.1 - Ground Control Box Emergency Stop Switch Location

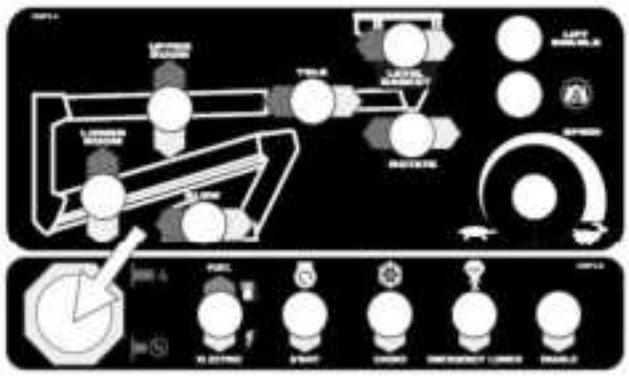


Figure 8.2 - Platform Control Box Emergency Stop Switch Location

Note
For a complete discussion of the emergency stop switches, see 'Controls' chapter 6, and 'Emergency Operation' chapter 9 in this manual.

■ Operation Considerations

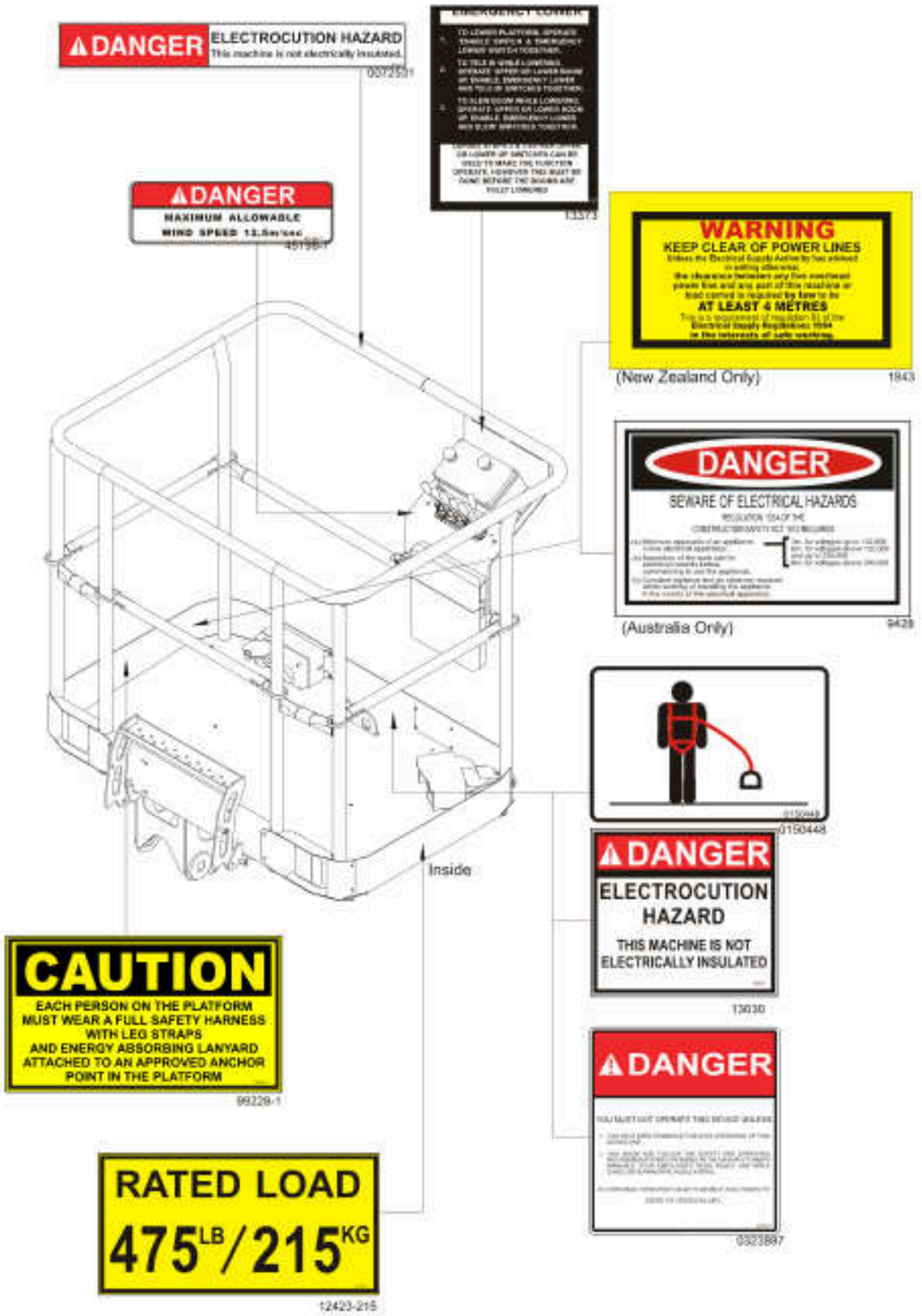
To use this chapter, first decide whether you will be starting and operating the TL from the ground control box or the platform control box.

■ Stabiliser Operation

Note: All Stabiliser Operations
The stabilisers will only function when the platform is fully lowered and the booms are stowed. Once the booms are raised the stabilisers will not operate.

Once the platform is raised the stabilisers cannot be set or adjusted.

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■ Controls Description

This chapter explains what each control does.

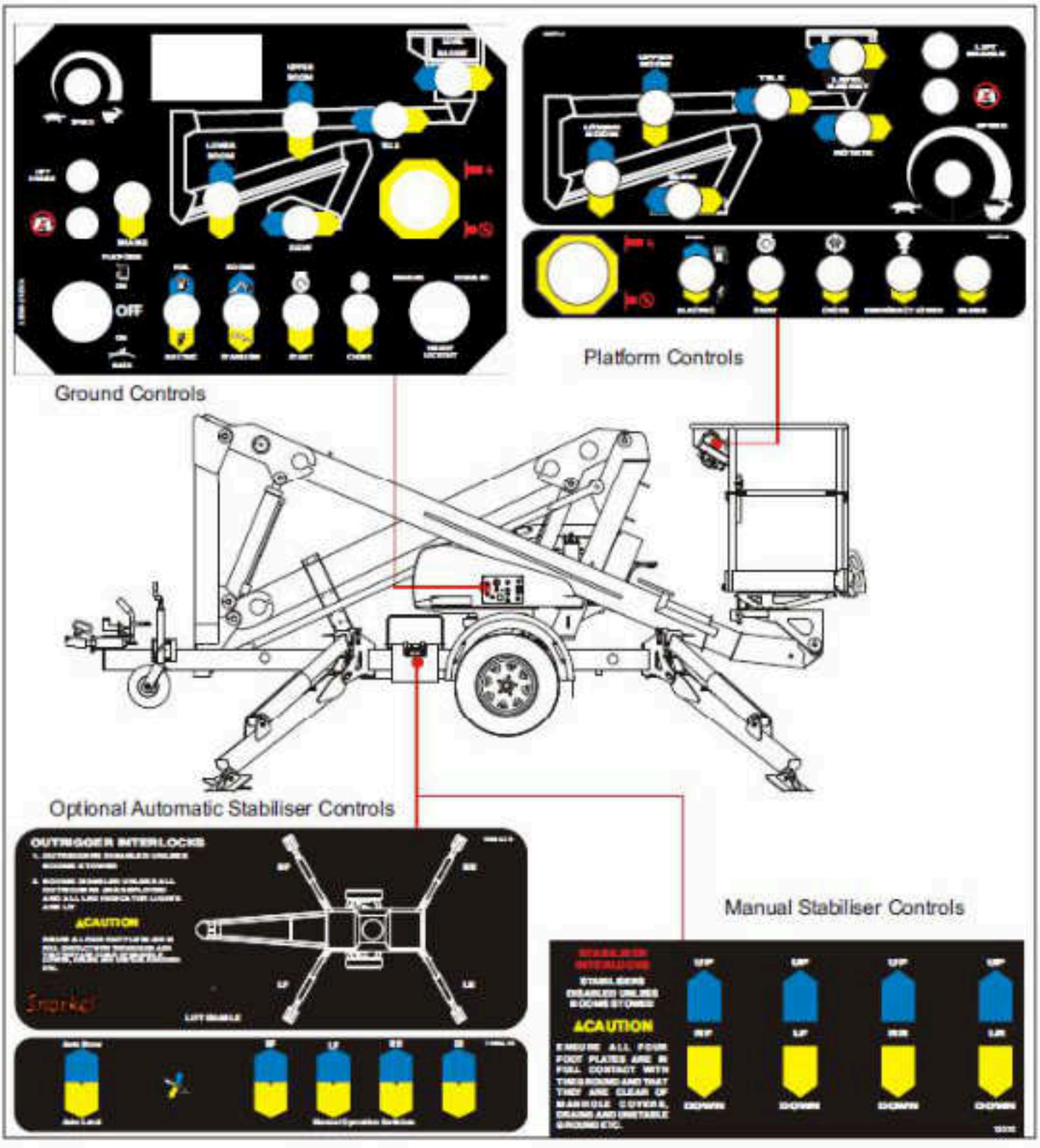
This chapter does not explain how to use the controls to produce useful work, refer to the "Operation" chapter 8 for that after you have read this chapter.

☐ Controls and control decal locations

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

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 a TL can be controlled from the ground control box or from the platform control box.



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