

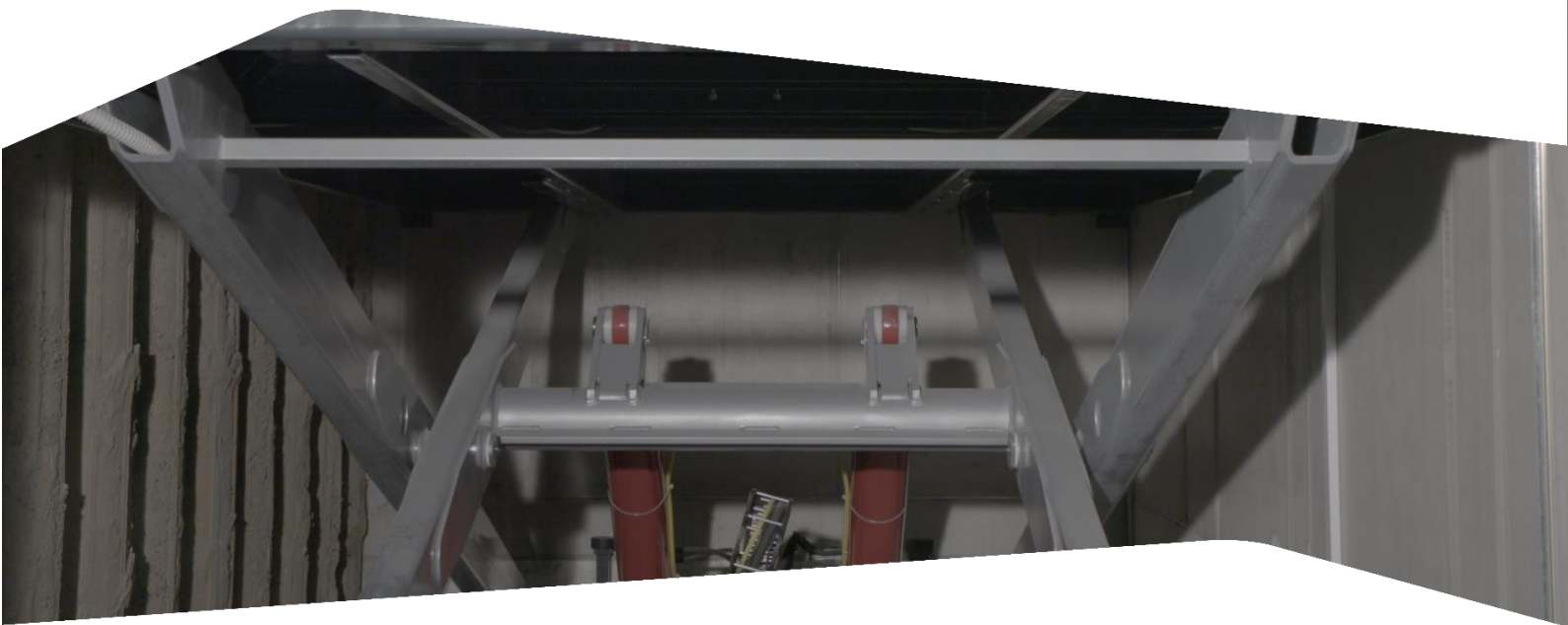


HERCULES
CARPARKING SYSTEMS

1800 649 603
www.herculescarparking.com.au

Hercules Car Lifts

Operation Manual



Last revised: May 2020



This machine has been designed considering the applicable articles of Machine Directive 2006/42/CE. According to the place and the kind of installation, other safety devices may be required (fixed barriers and inter-locked gates) in compliance with the standards.

DANGER

The fixed protections must be only removed by the authorized maintenance personnel and must be always reassembled before starting the lift again.

All the barriers and the protections are fixed so that an intentional action to remove them is requested. At the end of any maintenance work, it is necessary to place them again into the proper position.

All parts of the machine must be ground connected through a ground wire. Moreover, all the machine control devices and their circuits, which are interconnected with the operator, are low voltage powered.

SAFETY DEVICES

Machine devices (provided with the lift)

- Anti-drop valves and pressure switches control the load;
- Couple of photocells self-centering on the platform (light barrier height 800 mm);
- Photocells presence of cars on the platform;
- Protection on the long sides of the loading platform;
- Emergency stop buttons and with mechanical detent (one for each pushbutton panel);
- Emergency stop buttons in the pit;
- Emergency button in the bottom of the pit for maintenance;
- Lighting in the pit for maintenance;
- Handling lift with command "man present and responsible."

Installation devices (to be installed by the buyer)

- Perimeter protections at the access/exit floors;
- Electric locks and / or sensors for locking the platform to access gates;

Landing door/gate electric locks are aimed to prevent any door/gate opening should the platform not be at the requested level. They also prevent the platform from rising/lowering when the gates are not firmly closed.

DANGER

It's forbidden to remove or render the barriers not enough to guarantee a reasonable degree of safety for the people. It is also forbidden to tamper with or modify (even partially) the safety devices on the machine. In case of anomalies or malfunctions please contact HERCULES CARPARKING SYSTEMS.



GETTING STARTED

Scheduled terms of use

The lift has been designed and built for parking up to one vehicle, 3.000 kg capacity (car dimensions must fit the platform).

Not allowed terms of use

Any other use of the lift represents a not allowed term of use and voids the guarantee.

The builder is not responsible for any damages or malfunctions due to the inobservance of rules stated on this handbook.

It is forbidden the use of the lift:

1. by not trained personnel;
2. against the regulations in force;
3. in case of faulty power supply;
4. in case of inobservance of the instructions for use and maintenance;
5. in case of lack of maintenance.

It is also forbidden:

- to exceed the platform capacity (stated onto the metal label);
- to remove the safety devices;
- to tamper with the rise and lowering speed (which is pre-set by **HERCULES CARPARKING SYSTEMS** in compliance with the regulations in force);
- the use of the lift by people under 18-year-old;
- to place goods or other materials onto the platform;
- to start the lift if the vehicle protrudes from the platform out of shape;
- to use the lift if there are any troubles or in case of danger.

UNSUITABLE WORKING AREA

The entrance and exit areas must be kept free from obstacles to prevent dangers when the vehicle enters or exits the platform. Entrance and exit levels must be properly illuminated.

TECHNICAL ASSISTANCE

In case of need (anomalies or breakages), please contact HERCULES CARPARKING SYSTEMS at your earliest convenience.

Please always quote the following data when contacting HERCULES CARPARKING SYSTEMS:

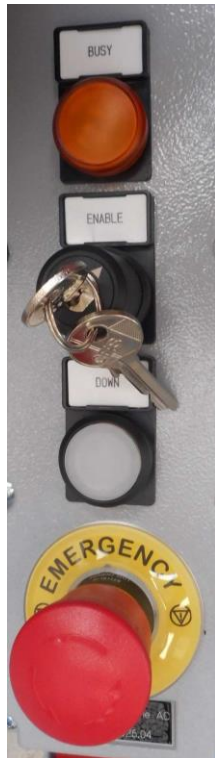
- WHICH AUSTRALIAN STATE and
- ADDRESS WHERE LIFT IS INSTALLED



USING THE CAR LIFT

Control devices

The machine is equipped with two push-button boards, each one placed near to the entry of its own level.



The following picture shows the push-button board.

The control panel contains the following commands:

- Flashing light;
- Enable key;
- Call;
- Emergency button.

The lift is operated in two steps. You first decide the moving direction (rise or descent) by turning the control key; your either choice is confirmed by a light, which implies that all the safety devices are energised.

During the second step you must activate the push-button and to keep on pressing it until the platform has arrived at the desired position. The actuators are energised and lock the platform at the floor, in order to prevent any accidental move. Should you wish to move the platform again, you first must operate the key.

All the models supplied by Hercules Carparking Systems have undergone severe tests with overload capacities.

WORKING PRINCIPLE

The platform can be moved by pressing the button of one of the boards, that are placed near their own entries. It's necessary to insert the unlock key into its switch and turn the key to ON position in order to activate a pushbutton board.

The rise and descent buttons are made of luminous led's which indicate the platform position.

The machine can be turned on only when:

- the level entry gates are closed (the related electric locks prevent the platform from working);
- one of the two push-button panels are set in action.

FROM THE UPPER LEVEL:

The engine starts and the platform starts descending.

If the button is released before the platform has completed the stroke, the machine stops. It's possible to turn it on again (up or down) by acting on one of the two push-button panels.

It's possible to open the platform entry gates only when the platform has arrived at one of the two levels.

USING THE MACHINE

- If the machine is not powered, put the general switch (that is located on the electric box) to position 1-ON;
- Manually and continuously push the up-down button until the luminous led lit up (it indicates the platform presence at the working level);
- Open the level barriers;
- Let the car go onto the platform;



- Check that the car doesn't stick out the shape of the platform;
- When parking or stopping the car, close the level barriers again, in order to allow the platform starting (the electric locks guarantee that the platform can be accessed only when it has come to the level, and that the platform can be moved only when the door is closed);
- Manually and continuously push the up-down button until the luminous led lit up;
- Remove the car from the platform;
- Close the level barriers to leave the platform ready to being used again.

EMERGENCY STOP

To cause an emergency stop is enough to press one of the stop devices located on each push-button board. Restoring the usual working conditions after an emergency (or after a stop) can be done by following this procedure:

1. identify and eliminate the cause of the emergency;
2. put in function the emergency push-button again by turning it in the direction indicated by the arrow.

SETTING OUT OF COMMISSION

If the machine is not going to be used for a long period, take the key off the push-button boards and set the electric box main switch to 0-OFF.

CONTROL PANEL ON PLATFORM FOR HANDLING "MAN ON BOARD"

Is it possible to move with "man on board" only in accompaniment with the car? In this case the person must be inside the car. A pair of photocells placed diagonally on the loading platform, allows the movement of the scissor lift only in the presence of the vehicle on the platform. Vertical movement of platform, takes place by holding down the button on the panel control.



On the system with "man on board", is present, the load on the platform, a main underlying type control panel with the following characteristics:

- **VOLTAGE INDICATOR**
The light must always be on.
- **CALL THE UPPER FLOOR**
Illuminates when the platform reaches the 1° floor.
- **CALL DOWN FLOOR**
Illuminates when the platform is on the ground floor.
- **THE TELEPHONE SYSTEM**
For external emergency phone calls.
- **PHOTOCELLS PLATFORM** Illuminates only if:
The car or people activate the photocell sensor on board the platform. Or the photocells power cord is unplugged.
- **TURN ON**
Press turn on to operate the lift (the light comes on); then you press one of the buttons up / down.