

dino 180t

shortform operating instructions



road towable access

This book is designed as a guide to enable you to start work quickly and safely. It is not intended to replace the full manufacturer's operating instructions (a copy of which should be with your machine) which should be read and understood by anyone operating the machine.

SAFETY TIPS

ALWAYS

- Inspect your machine before use.
- Check all operations including ground controls.
- Check ground conditions.
- Check clearance from overhead obstructions (power cables, building projections etc).
- Plan your task/job.
- Use sole boards under your outriggers at all times regardless of ground conditions.
- Stabilise and level machine before use.
- Wear a safety harness connected to a suitable anchorage point inside the platform.
- Operate all controls smoothly.
- Warn other people that you are there by means of flashing lights, sign and cones.
- MAKE SAFETY YOUR No.1 PRIORITY.

NEVER

- Use an unsafe machine.
- Use an access platform to hoist loads like a crane.
- Overload cage/platform.
- Operate in strong winds (Check manufacturer's recommendation).
- Rest the cage on a structure or object to gain extra support.
- Attach your safety harness to a structure outside of the platform.
- Throw or drop anything from the platform.
- Use boxes, ladders or stand on handrails to gain additional height, if you can't reach, you need a bigger machine.
- Let an untrained person operate the access platform.
- Take unnecessary risks (hospitals and graveyards are full of dead heroes!)

**In the unlikely event that your machine develops a fault
please contact the Facelift Tech Team on 01444 881100**

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GENERAL SAFETY DIRECTIVES

- 1) Make yourself familiar with the operators manual before using the lift!
- 2) The operator's manual should be stored in the space reserved for it. Make sure that all persons working with the lift are familiar with the operator's manual.
Inform new users about the operation of the lift and manual. All the manufacturers directions and recommendations should be followed strictly.
- 3) Make sure you know well all directions that deal with the operating safety of the lift.
- 4) Only personnel who have received training in the use of the device and are at least 18 years of age is allowed to use the lift.
- 5) When the chassis is supported by the outriggers, the carrying capacity of the ground and any possible inclination of the support area must always be considered.
- 6) On soft ground the outriggers should be additionally supported by adequately sized support plates.
- 7) When choosing additional support plates or other aids, always make sure that the outrigger feet cannot slip when resting on them.
- 8) The machine may only be moved when it is the transport position. When moving the lift no persons or workloads are permitted on the platform.
- 9) Weather factors, i.e. wind, visibility, outdoor temperature, rain etc. must always be taken into consideration when using the lift, these dangers must be taken into account and the needed measures taken. The lift must not be used in temperatures below -20°C (-4°F).
- 10) No ladders, steps or other similar equipment may be used on the platform.
- 11) Objects may, under no circumstances, be thrown out of the platform.
- 12) The lift must not be used to move persons or objects between floors or different work levels.
- 13) Before lowering the platform, always make sure that there are no obstacles on the chassis. The platform must not be lowered onto the ground, or brought in contact with other objects, as this will constitute a risk for damages.
- 14) If the lift is used in areas where there is traffic, the working area must be equipped with warning lights and if necessary, fenced in. All regulations concerning road traffic and working safety must always be respected.
- 15) Always be careful when working in the vicinity of open-wire lines. Always respect the minimum safety distance (3m / 10ft).
- 16) Do not use the lift if it is damaged or malfunctioning in any way. Call the Facelift Tech Team.
- 17) No technical, constructional or other changes may be made to the unit without written permission from the manufacturer.

OPERATING CONTROLS

- A) Controls Mounted on the Chassis (Fig. 1).
1. Operating switch
 - Positions
 - 0 = Off

- 1 = Operation of support outriggers and moving the lift by hydraulic power.
- 2 = Controlling the boom from the platform
- 3 = Controlling the boom from the chassis
2. Start Pushbutton.
3. Emergency Stop Pushbutton.
4. Signal light, axle limit switch.
5. Start, emergency descent.
7. Turning lever.
8. Boom movement lever.
9. Telescopic movement lever.
10. Voltage meter.
11. Fuse.
29. STOP – pushbutton.
31. Operating control, platform inclination (pushbutton).
32. Platform inclination operating lever.

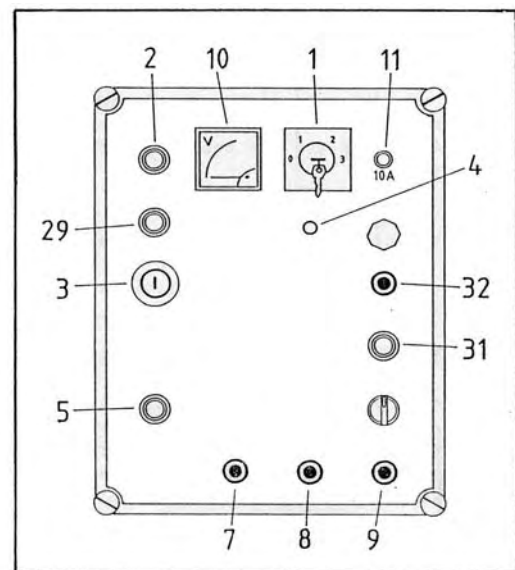


Fig. 1

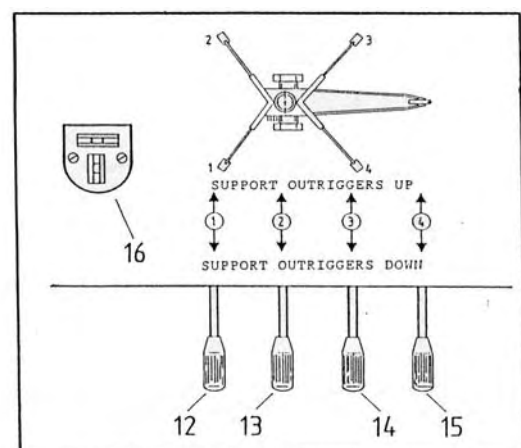


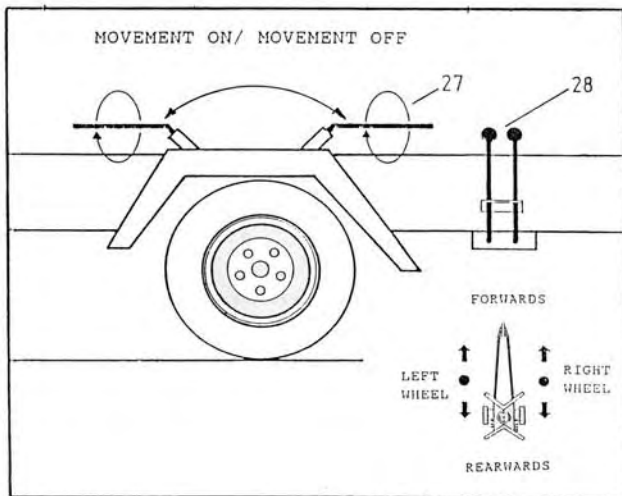
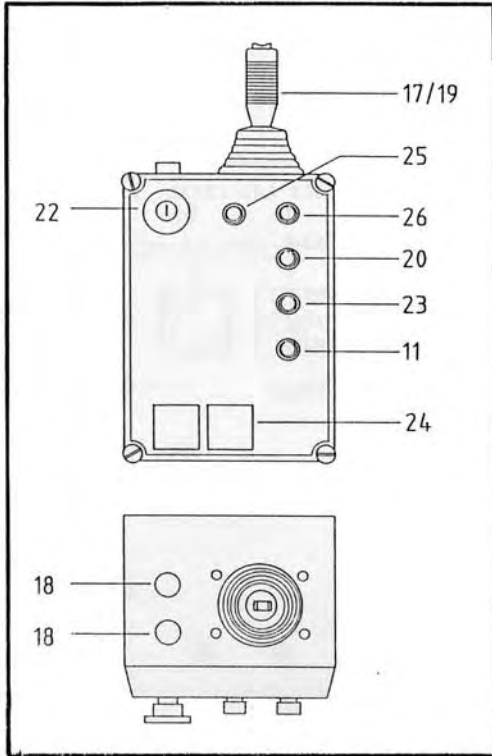
Fig. 2

Operating the support outriggers and level (Fig. 2).

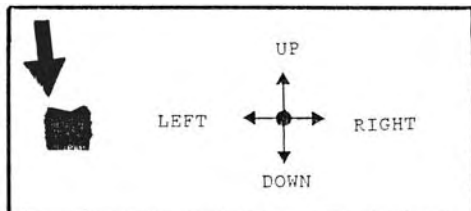
12. Right rear support outrigger.
13. Left rear support outrigger.
14. Left front support outrigger.
15. Right front support outrigger.
16. Levelling gauge.

B) Platform Panel Controls.

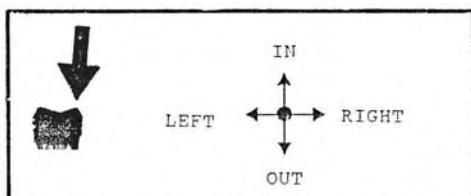
Close the chassis control panel cover before using the platform controls (the cover must not be locked when using the lift).



17. Operating lever



19.



- 18. Warning lights
 - Green = inside the reach limits.
 - Red = at the reach limit.
- 20. Start, emergency descent.
- 22. Emergency stop
 - Stop by pushing.
 - Release by lifting.
- 23. Signal horn
- 24. Socket 220V (2 pcs.)
- 25. Motor OFF
- 26. Motor START
- 27. Hydraulic movement, On - Off.
- 28. Operating lever, hydr. movement.

STARTING UP THE LIFT

- 1) Ground stability
 - Make sure that the ground is even and level and hard enough to support the lift in a steady, level position (fig 1).
 - On soft ground, support plates that are large and stable enough should be placed under the support outriggers (fig. 2).
 - Always make sure that the support feet cannot slip because of ice, rain or ground inclination.
 - It is prohibited to use the lift if it is not properly supported and completely level.
- 2) The lift should be driven or pushed onto the area where it is to be used.
 - Pull the parking brake.
 - Disconnect the towing vehicle
- 3) Power connection.
 - Connect the mains cable.
 - Voltage 230v +/- 15v
 - Frequency 50hz
 - Mains fuse 16A
- 4) Open chassis control panel cover.
- 5) Turn the operating switch (1) into position 1 (fig 3).
- 6) Start the motor with pushbutton 2 (green).
- 7) Lower the front (by the tow bar) supporting outriggers.
- 8) Wind up the tow bar jockey wheel.
- 9) Press down the rear support outriggers.
- 10) Adjust the chassis with the outriggers so that it stands level.



MAKE SURE THAT THE WHEELS ARE CLEARLY OFF THE GROUND (FIG 5).

- When the wheels are off the ground, the signal light (4) on the main panel is lit.

OPERATING THE UNIT FROM THE CHASSIS CONTROL PANEL

- 11) Turn the operating switch (1) to position 3.
 - The boom can be operated using the levers 7 – 9.
 - Test the emergency descent function as follows:
 - i) Lift the boom about 1-2 metres (4-7 feet) (lever 8) and extend the telescope about 1-2 metres (4-7 feet). Push the emergency stop button. The movement must now come to a halt.
 - ii) Start the emergency descent power unit (pushbutton 5), retract the telescope (lever 9) and lower it (lever 8).
 - iii) Lift up the emergency stop button.



DO NOT DAMAGE THE TOW BAR JOCKEY WHEEL

The movements are noticeably slower using the emergency descent function.

When using the lower control panel the speed of the boom movements cannot be adjusted continually with the control lever.

Ground Material	Density	Maximum Ground Pressure (p kg/cm sq).
Gravel	High Density	6
	Medium Density	4
	Loose	2
Sand	High Density	5
	Medium Density	3
	Loose	1.5
Fine Sand	High Density	4
	Medium Density	2
	Loose	1
Sand/Mud	High Density (very hard to work)	1
	Medium Density (hard to work)	0.5
	LOOSE (easily worked)	0.25

Fig. 1

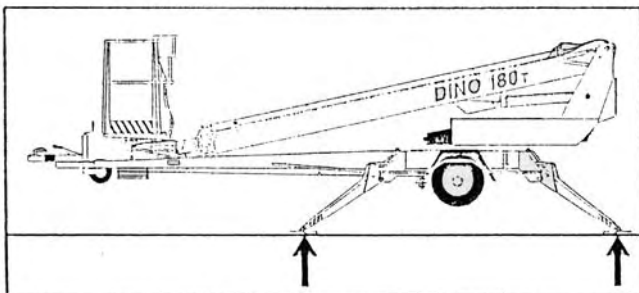


Fig. 2

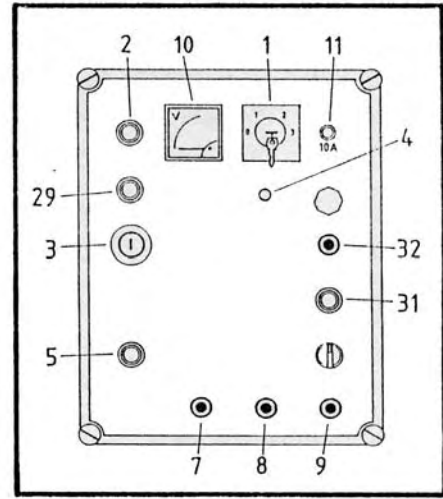


Fig. 3

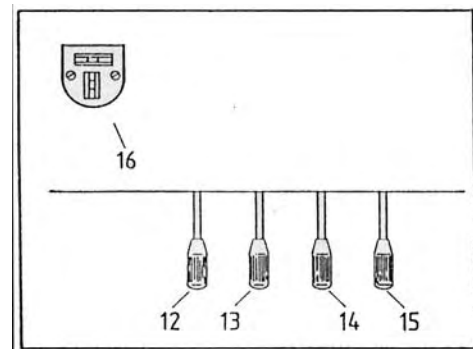


Fig. 4

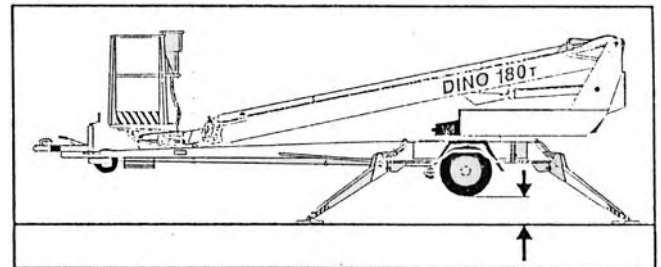


Fig. 5

OPERATING THE UNIT FROM THE WORK PLATFORM

- 1) Turn the operating switch (1) into position 2 and lock it.

Now you can operate the lift from the work platform lever 17. First push the rocking switch on the control lever end and move the lever in the desired direction of movement.

 - Test the emergency descent function as follows:
 - i) Lift the boom about 1-2 metres (4-7 feet) (lever 8) and extend the telescope about 1-2 metres (4-7 feet). Push the emergency stop button. The movement must now come to a halt.
 - ii) Start the emergency descent power unit (pushbutton 5), retract the telescope (lever 9) and lower it (lever 8).
 - iii) Lift up the emergency stop button.



DO NOT DAMAGE THE TOW BAR JOCKEY WHEEL

The platform movement speed is continually adjusted with the lever (17).

- 13) Test functioning of the overload limit switch RK4.
 - Platform load of about 90kg (180lbs).
 - Move the boom into the horizontal position.
 - Extend the telescope. When the movement stops the red overload warning light (18) should light up.
 - Compare the actual reach to the figures in the reach diagram (page ?) (reach = front edge of the platform – 0.5 metres (1 ft. 7.7 in.).



WHEN THE RED OVERLOAD WARNING LIGHT (18) IS LIT, NO ADDITIONAL WEIGHT MAY BE PLACED ON THE PLATFORM (E.G. A SECOND PERSON, TOOLS OR THE LIKE).

Example: A single person on the platform extends the telescope, or alternatively somebody operating the lower control panel extends it as far as it will go low above the ground. When the overload warning light illuminates no load may be added to the platform. The telescope should be retracted.



IF THE EMERGENCY DESCENT SYSTEM OR OTHER SAFETY DEVICES ARE NOT FUNCTIONING PROPERLY, THEY MUST BE REPAIRED BEFORE USING THE UNIT.

- 14) Check the daily inspections list in the operators manual and make all the inspections mentioned therein.
- 15) With the boom slightly raised and the telescope slightly extended, check that the platform does not lower itself when no operating controls are used.
- 16) In cold environments, the engine should be run for a short time to raise the oil temperature. Start operating the unit carefully making the movements slowly back and forth without platform load from the lower control panel.
- 17) Move the work platform to the working area.

The platform can be driven with continually adjustable speed from the platform controls (not from the lower control panel). It is not possible to make more than one movement at a time. If more than one of the operating levers is used simultaneously, the movement demanding the least effort (power) will be executed.

NOTE:

When lowering the platform into transport position always retract the telescope fully first and place the platform at right angle to the boom, before lowering onto the transport supports.



TAKE CARE NOT TO DAMAGE THE JOCKEY WHEEL!

- 18) Important when raising the platform.
 - The possible platform movements (reach) depend on the platform load (refer to technical data). The movements are controlled by two safety limit switches, RK4 and RK5 mounted beneath a cover. The switches must not be adjusted or tampered with in any way. Inspections and adjustments may only be made by an authorised service mechanic.
- 19) Working at the same site for longer durations.
 - There are Stop and Start pushbuttons both in the upper and lower control panel. In warm ambient temperatures it is not necessary to run the engine for longer durations if no platform movements are being made.
 - In cold weather it is recommended that the engine be kept running to keep the hydraulic oil warm.
 - The standing stability should be checked regularly (support area condition etc.) when working, taking notice of effects of weather or other ambient conditions.
- 20) When moving the platform remember the following:
 - Special care should be taken in the vicinity of high voltage cables.
 - Make sure that no part of the platform or the operator can come into contact with open-wire cables.
- 21) Adjusting the position of the work platform.

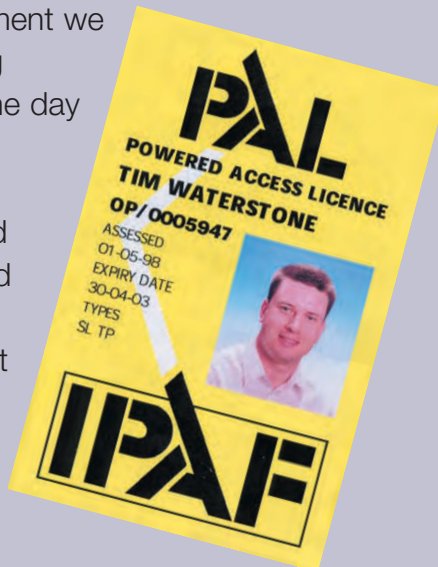
The platform angle (horizontal) can be adjusted from the lower control panel as follows:

 - Put the operating switch (1) into position 1.
 - Push the platform operating switch (31) and choose the direction with the operating lever (32).
 - Activate the controls simultaneously.
 - Use the platform positioning control when the boom is horizontal.
 - No persons are allowed on the platform when adjusting cage levelling.
 - Only use the positioning adjustment when the lift is supported on it's outriggers.

operator training centre

When hiring access equipment we strongly recommend taking advantage of one of our one day operator training courses

As Facelift is an accredited IPAF (Independent Powered Access Federation) training centre you can be sure that your staff will be trained to a high standard and receive an internationally recognised qualification.



Courses can take place on your own premises or at one of our training centres, situated in Hickstead, Iver, Southampton and Liverpool.

We can train your personnel on any of the following equipment:

- (SL) Scissor Lift
- (SPB) Self Propelled Boom
- (VMP26) Truck/Van mounted to 26m
- (VMP200) Truck mounted over 26m
- (VPP) Vertical Personnel Platform
- (TP) Trailer/Push around

The one day course* covers site safety, practical demonstration, sole usage and site risks and includes a theory test.

*(two day course for VMP200)

Successful candidates are issued with the IPAF PAL card, widely accepted by both the CITB and Health And Safety Executive.

For further information or to arrange a training course call us today on: 0800 0 72 55 72

