

alleuroparts

PRODUCT MANUAL

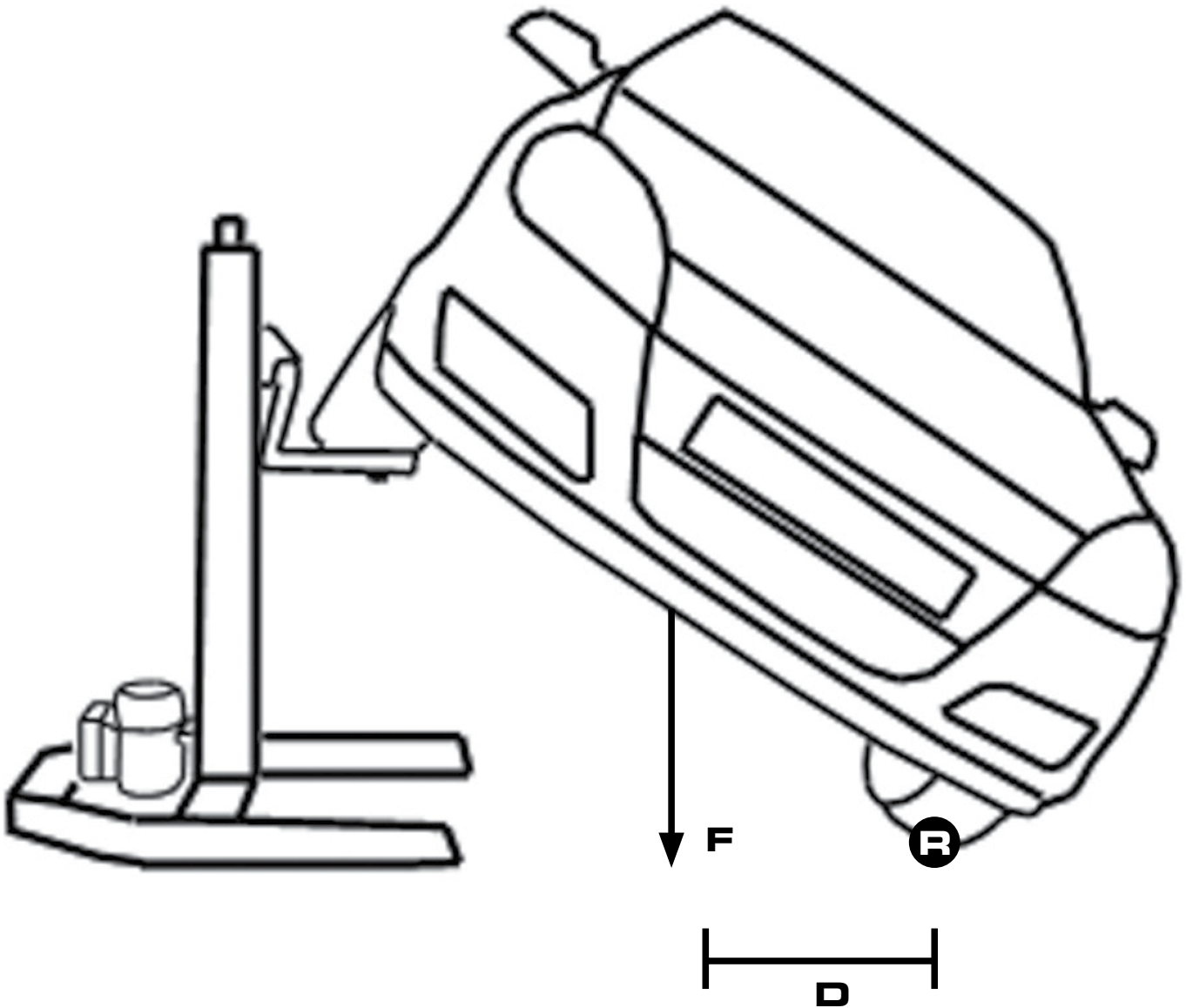


Ikotec



64 Hamatana Road • PO Box 11 • Snells Beach
auric@alleuroparts.co.nz • www.alleuroparts.co.nz
P 09 425 5025 • M 021 881 543

Why does the vehicle not turn over when lifting it with the IKOTEC3000?



The vehicle is shown by the force F representing its weight. The force F will remain vertical as the vehicle gradually inclines. On the other side is the point of rotation R . While the vehicle is inclining, the distance D between F and R decreases. Until this distance D doesn't reach zero or turn negative, ***the vehicle won't turn over. This will never happen with the Ikotec3000.***

The Ikotec3000 with a single column is designed for lifting a vehicle sideways to allow for mechanical repair, bodywork or repainting. It consists of a compact system with a single movable column with different fittings for various types of work, with a lifting capacity of vehicles up to 1500 kg.

Basic environmental conditions are temperatures from -10°C to +35°C, max. humidity of 80% and keeping away from water.

TECHNICAL DESCRIPTION

A. The system consists of a single column, its electrical components to be connected only to the user's power outlet.

B. Electrical components

1. The column

The basic part of the system consists of a specially shaped column of folded metal sheet into which the lifting carriage is placed. It contains two grooves for the control system, a horizontal bar as a grip for moving the machine, a cable holding hook, motor mounting, belt tightening screw and the top cover with a housing for the conical load bearing.

2. The base

The base is A-shaped with fixed wheels at two of its ends and a mobile one at the third opposite end. This ensures stability and mobility.

The base is made of two parallel bars bent at the right angle, a beam soldered to the parallel bars and two centred holes. The bottom of the bars has a housing for the ball bearing.

3. Lifting carriage

The carriage consists of a U-shaped structure, with two axles containing one ball bearing each, which carry the weight to lift, a cover with a hole for the spindle, and a vertical hook at the front for holding the different fittings.

Inside is a force nut of an appropriate material for this function.

4. Control mechanism

The control mechanism consists of parallel bars in a special design, on the top of which there is a control lever for the lifting and lowering of the vehicle. A reversing switch is attached to the bottom part of the bars, for the forward and backward run of the motor. This switch has its own box, with power cables going to the electrical motor on one side and to the electrical outlet on the other.

The electrical motor's power is of 1,5HP at 1500 rpm, single-phase with high starting torque or three-phase.

The bars have two limit stops which mark the travel end for a total of approx. 1 m between the two ends.

5. Power mechanism

Parallel to the column is a spindle which, through rotation, lifts or lowers the weight. It is supported between the upper and the lower conical bearing. Underneath, a channel A 200 pulley is linked through a belt with an A 50 motor pulley, located above the axle of the electrical motor.

SPECIFICATIONS

Sizes:

Total height: 1340 mm

Footprint: 900 x 600 mm

Weight: 72 kg

Lifting capacity: cars up to 2500 kg

Max. lifting height: approx 1 m

Max. lifting time: 35 s

Max. wheel size: 18"

Electrical protection: IP 40

Contact protection: grounded

Electrical motor: guaranteed against voltage fluctuation up to $\pm 5\%$ and frequency fluctuation up to $\pm 1\%$

MINILIFT IKOTEC3000 USE

1. Move the Ikotec3000 with the handlebar.
(see figure 1)

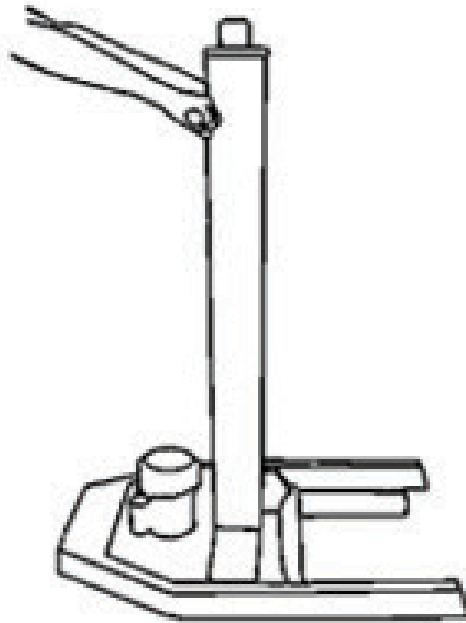


Figure 1

2. Put in the desired position, i.e. at the front or rear wheel of the vehicle which you want to lift, with the holding device for wheels (Push until it touches the tyre) or the holding device for the sill.

3. Plug the mini-lift into the the mains
(see figure 3)

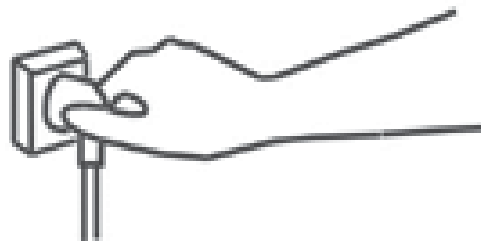


Figure 3

4. Before lifting the vehicle, make sure the engine is turned off. ***Loosen the handbrake and put the gear in neutral***
(see figure 4)

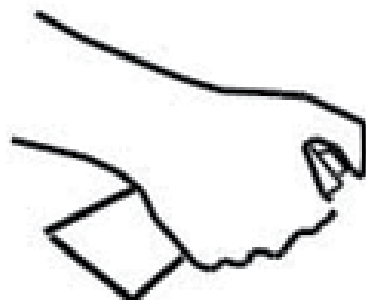


Figure 4

5. Once these steps are completed, the vehicle can be lifted, as shown in the following image, moving up the lever until the desired height of the vehicle is reached (see figure 5.1) and moving down for lowering the vehicle.

Don't forget to loosen the handbrake and to put the gear in neutral when you are using the mini-lift 2K. In case you have no power available and the vehicle is still lifted, you can lower the vehicle by taking off the top lid and turning the spindle anticlockwise with a 30 mm wrench.

You can also lift the vehicle at the rear wheel by proceeding as explained above. See figure 5.3.



Figure 5.1

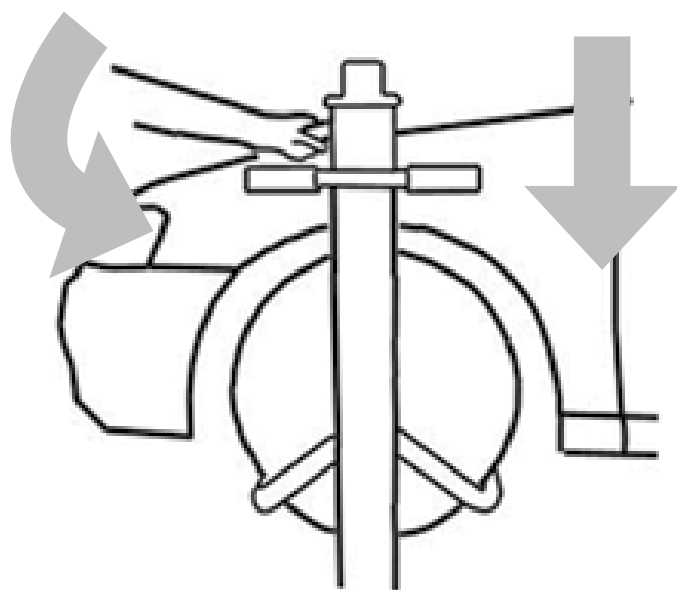


Figure 5.2

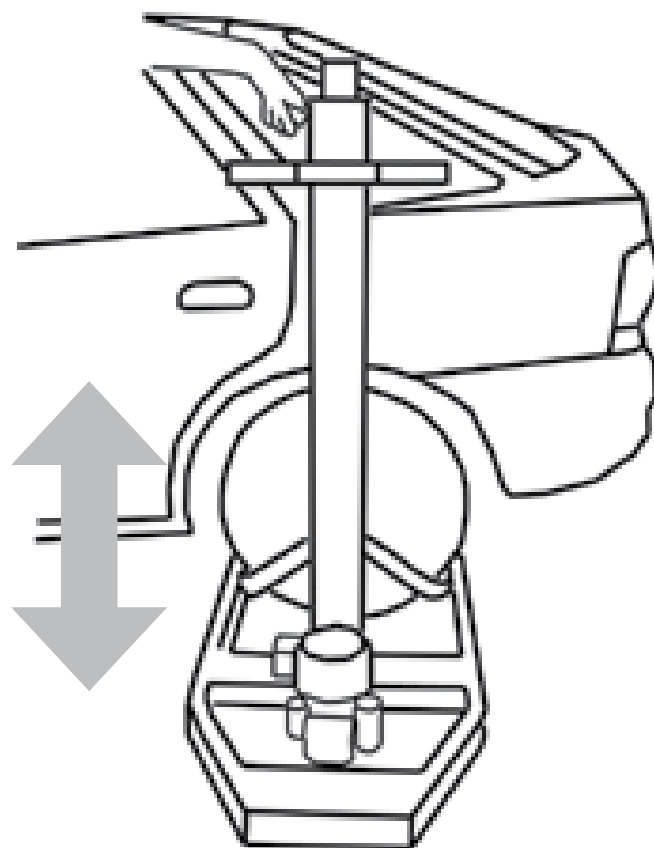


Figure 5.3

6. In case you want to lift the vehicle by the sill instead of by a wheel, you will have to replace the holding device for the wheel by the holding device for the sill. To do this, follow the next steps: ***Don't forget to loosen the handbrake of the vehicle and to put the gear in neutral and use stand !***

Lift the holding device for the wheel, then take it from the groove and place the holding device for the sill in it as shown in figure 6.2

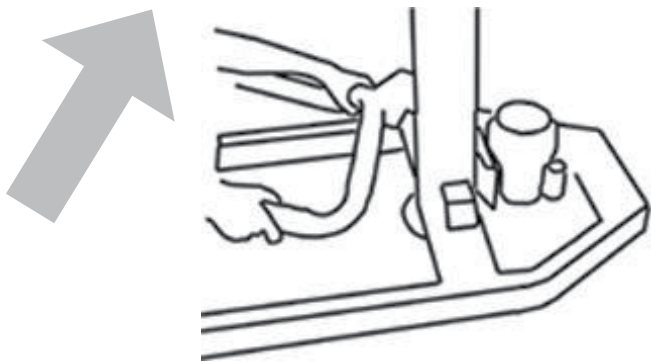


Figure 6.1

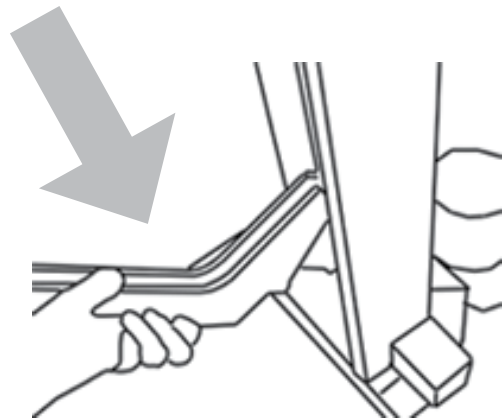


Figure 6.2

7. Once the holding device for the sill is placed in the mini-lift, the vehicle can be lifted sideways, following the next steps: ***(USE STAND !)***

Place the minilift 3K perpendicular to the vehicle's external rear-view mirror as shown in figures 7.1, 7.2, 7.3

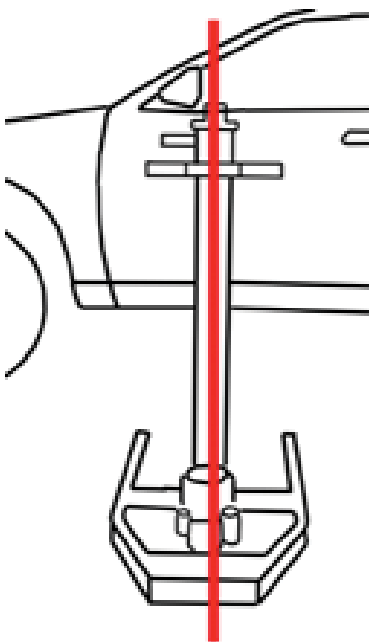


Figure 7.1

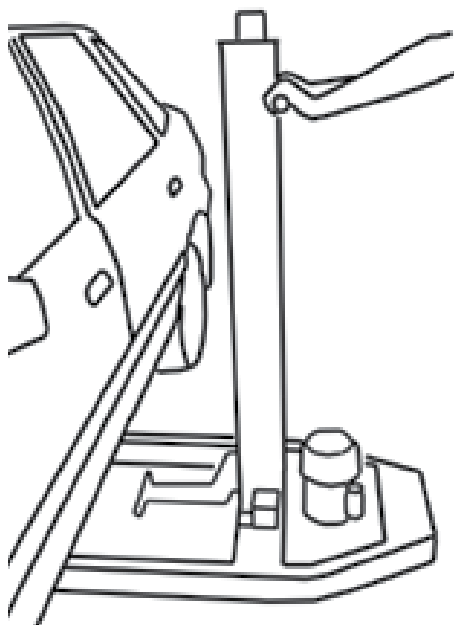


Figure 7.2

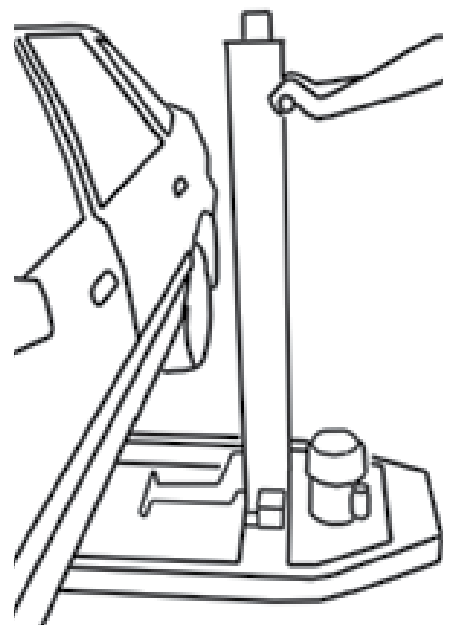


Figure 7.3

7. Continued

Remember that the mini-lift with the holding device for the sill always has to be aligned with the vehicle's external rear-view mirror

Never in the centre (see figure 7.4) or at the back (see figure 7.5).

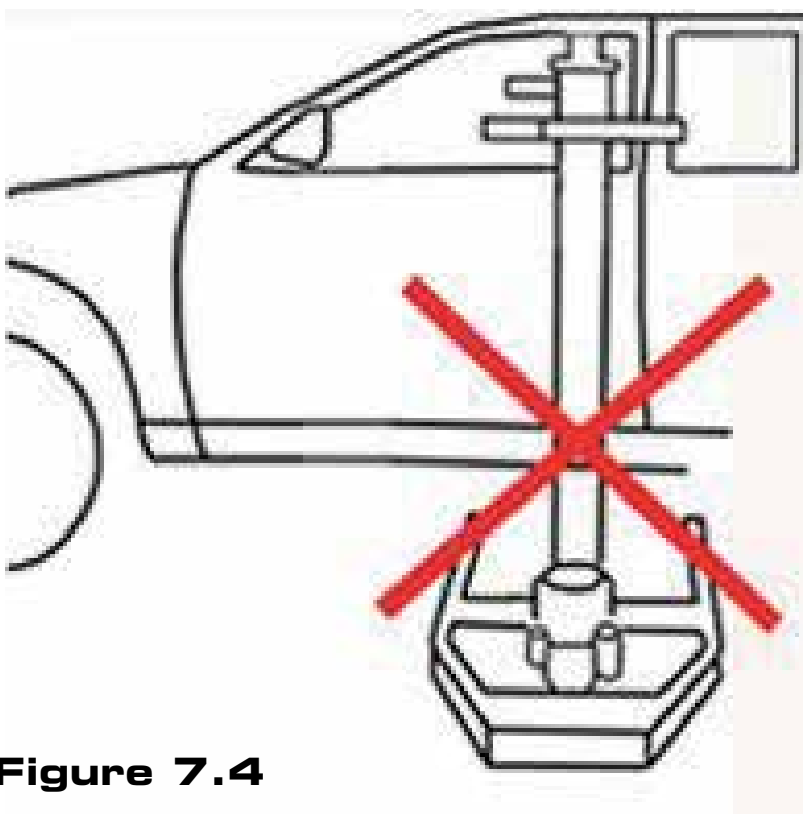


Figure 7.4



Figure 7.5

POSSIBLE PROBLEMS AND THEIR SOLUTIONS

Problem	Cause	Solution
Motor does not turn but sounds	Excessive weight Starting capacitor burnt Wrong electrical wiring Working nut worn out	Reduce weight, do not exceed car up to 2500 kg Replace capacitor Check electrical wiring Check working and safety nut
Motor does not turn or sound	Cable not plugged into mains Disconnected cable	Reconnect Reconnect
Motor turns too slowly	Disconnected cable	Reconnect
Motor turns but carriage does not go up	Pulley is loose	Tighten pulley
High pitch sound	Lack of grease Lifting nut defective	Grease the spindle with a grease pistol Replace nut
Spindle wears out or produces burr	Wrong usage without loosening the handbrake gear in neutral Broken bearing	Check usage of the mini-lift Replace bearing
Pulley touches frame of the system	Strike from beneath	Remove top cover and move the spindle down
High pitch sound on forward wheels while lifting	Lack of oil on wheel socket	Lubricate
Motor turns wrong way (single phase motor)	Inverted cables	Exchange grey/blue with yellow/green cables in switch box or motor
Motor turns wrong way (three-phase motor)	Inverted cables	Swap two phases

CERTIFICATE OF GUARANTEE AND EU COMPLIANCE

Praxtec Internacional s.l. guarantees the IKOTEC 3000 for a two-year period with regard to all parts and labour, any construction defects, hidden defects or any other damage that occurs when the product is operated under normal conditions. The two-year period starts from the date of purchase stamped on this document.

CONDITIONS

1. Praxtec Internacional s.l. undertakes to repair or change the IKOTEC3000 and any parts or components that may be defective without charge to the buyer during the term of this guarantee at their discretion with no claims admitted. The decision to repair or change rests entirely with Praxtec Internacional s.l..
2. The repair period shall be five days, except when force majeure intervenes or in exceptional circumstances that shall be explained to the buyer of the equipment.
3. The costs of sending and returning the equipment to the maker shall be paid by the buyer.
4. The guarantee shall be terminated in the following circumstances:
 - a) When the equipment is damaged due to misuse, negligence, accident or operating contrary to all instructions in the handbook provided.
 - b) When the equipment is used with accessories that are not produced by the maker.
 - c) The guarantee does not cover scratches to exposed surfaces.
 - d) The guarantee is personal and cannot be transferred.
5. The motor is only guaranteed for construction defects and is covered for 1 year. The guarantee expires under the same terms as explained previously and especially if the electric assembly of the machine has been found to have been corrupted. Burned Motors has no guarantee. Electrical switch and wear out parts has 1 year warranty.
6. If any extension of the guarantee is required please contact Praxtec Internacional s.l.. to be given the conditions of these extensions.
7. It is MANDATORY to use supports once the vehicle has been lifted.
8. Maximum weight permitted: Cars up to 2,500 kg.

IMPORTANT

If the machine breaks down in any way contact Praxtec Internacional s.l. immediately.

DO NOT TRY TO REPAIR THE MACHINE AS THIS WILL RENDER THE WARRANTY NULL AND VOID.

DECLARATION OF CONFORMITY

Maker: Praxtec Internacional SL

Address: P.I La Rosa, s/n. 29120 Alhaurin el Grande. Malaga. Espana.

Telephone: 0034 – 952 59 69 61.

Declares that under own responsibility that the machine

Type: IKOTEC3000

Series Number:

Date of construction:

Described in documentation subject to UE 98/37 CEE/EG, 2006/95/EG, 2004/108/EG. And Norms DIN EN ISO 12100-1, DIN EN ISO 12100-2, DIN EN 60204-32, DIN EN 1494, DIN EN 1050, DIN EN 953, DIN EN 614-1 and for all upgrades.

Date, stamp and signature of distributor

ALSO AVAILABLE FROM

alleuroparts

MINI-DUCTOR II™



Bearings Pulleys & Gears



Fuel Tank Straps



Hail Dent Removal



Inline Application



Kit includes:
Mini-Ductor II Inverter
3 Basic Attachments
Operators Manual
Carry Case



Steering & Suspension



**All Types of Seized Hardware
(Overheated to illustrate power)**



O₂ Sensors



Prevent Expensive Wheel Damage



Ikotec



Optional Attachments



Lifting Fork



St. Sill Support



Plane Plate Sill Ad.



Tuning Sill Sup.



Transmission Adaptor Head + Push



Universal Sill Sup.



Total Sill Sup.



Spring Compressor



Press



Shop Crane Adapter Head



Filter Press



Quick Fleet Plate



Door Support



Wheel Sled



Ikotec is 100% European made
Spanish design & manufacture with an Italian motor