

### Series: FL Mobile Specifications

- \* Retracted height: 11 cm / 4 inches (exclude 5' wheels)
- \* Elevated height: 90 cm / 35 inches
- \* Length when fully lowered: 200 cm / 79 inches
- \* Width when Arms retracted: 100 cm / 39 inches
- \* Power Source: Air Compressor
- \* Maximum Lift Load: 2,800 kg / 6,160 lbs
- \* Shipping weight: 330 kg / 727 lbs
- \* Oil Grade: Hydraulic 46 grade
- \* Oil volume in Tank: 5 litres / 1.3 gallons
- \* Wheel turning circle: 360 degrees x 4 wheels
- \* Leaf Chain: BL 534
- \* Required Air Pressure: 50 - 100 psi / 3.44 - 6.90 bar
- \* Country of Manufacture: AUSTRALIA
- \* Power Pack and Oil Tank Built in onboard
- \* Direction of Load: Front or Rear entry
- \* Period of Warranty (conditional) Two Years - 24 Months

You alone know the operational demands and special conditions affecting the equipment in your situation and therefore assume the RESPONSIBILITY for developing, implementing, and enforcing the safety concepts which apply to your own operation, to effect the greatest safety for yourself and the people around you



CERTIFIED

## Operators Manual



# CARTAR FLS - MOBILE

Operation, Safety & Maintenance Instructions

EDITION 12 - JAN 2017





# CARTAR WARRANTY

## **WARRANTY PERIOD: 24 Months.**

- To ensure that the Cartar Warranty protects the purchaser, the Warranty Registration Form must be signed, detached and mailed to Cartar Industries within 14 days of the Original Sale.
- The above Warranty binds the Purchaser and Cartar Industries to the following Terms and Conditions:
- 24-month period will apply from date of Original Retail Purchase.
- If during this period the Cartar Lift fails to operate correctly due to faulty Components or workmanship on the part of the manufacturer, the manufacturer will supply and deliver any components that need to be replaced.
- This Warranty applies only to the Cartar Lift that is identified on this Registration Form.
- It is agreed that Cartar Industries will not be Liable for any injuries, or loses or consequential damage to anything else whatsoever arising from any defect in this Cartar Lift.
- This Warranty will not apply if this Cartar Lift has been repaired, modified or otherwise interfered with by any other person or persons other than the manufacturer or his appointed agent, nor cover failures due to malicious or accidental damage.
- The Purchaser is responsible for the performance of regular maintenance Services and inspections as specified in this manual. Untimely and/or improper care and replacement of normal maintenance items will void this warranty. Use of Non-genuine Cartar Industries parts will void Warranty.
- Cartar Industries reserves the right to modify, alter or otherwise improve any product or part.
- By the signing of this warranty, the purchaser acknowledges that he has fully read and completely understands this manual. The purchaser further agrees that no other person will operate this Cartar Lift before first reading and completely understanding this manual.
- **What the Purchaser MUST do:**
  - 1) Fill in and sign both the Cartar Copy on page 16 and the Purchasers copy on page 18, Warranty Registration Forms.
  - 2) Detach the Cartar Copy on page 16, place in a stamp addressed envelope and mail to your Authorized Cartar Agent.

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WORLD WIDE PATENTS DO APPLY



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## SAFETY PRECAUTIONS FOR THE USER



### **USE COMMON SENSE & PLENTY OF IT**



- 1) Do Not allow any persons to operate this product with out first reading and understanding the safety precautions and operating instructions.
- 2) Never allow children or minors to operate this machine.
- 3) Always operate this machine in well lit areas.
- 4) Never operate this machine when fatigued. Always be alert. If you become tired while operating this machine, then render your machine safe and take a break. If you have a mental or physical condition that may be aggravated by strenuous work, consult your Physician before you operate this machine.
- 5) Never operate this machine under the influence of medication, alcohol or drugs.
- 6) Always keep your hands, feet and body away from any moving parts.
  - 7) Always inspect this machine and make sure it is in top working condition before each use.
  - 8) Always keep this machine in "Brake Locking" position when not being moved.
- 9) Never exceed the maximum Load of 2,800 kg / 6,160 lbs of weight.
- 10) Never enter the inner frame of this machine when elevated.
- 11) Always keep load as low to the ground as possible when moving machine horizontally.
- 12) Always maintain Hydraulic fluid levels to recommended levels.
- 13) Never apply external forces to vehicles on this machine.
- 14) Always make sure that the floor surface is clean and level before moving your machine horizontally.
- 15) Always make sure that your Rubber Pads are correctly positioned before placing a load on them.
- 16) Never lower or Raise your machine without your Hydraulic Ram fitted and operational.
- 17) Always keep power leads well away from your moving machine.
- 18) Always make sure that your load is secure and weight is evenly distributed onboard your machine before elevating.
- 19) Never connect or feed an air source that EXCEEDS 100psi of 7 bar.
- 20) Never Raise or lower your machine unless you have a perimeter ground clearance of at least 3 (Three) metres.
- 21) Never place your hands, feet or person under your machine unless vehicle is secured and supported by axle stands at each corner.
- 22) Always respond immediately and remove load from your machine if there is any sign of worn or faulty parts.
- 23) Always replace worn or faulty parts with Genuine Cartar Parts.



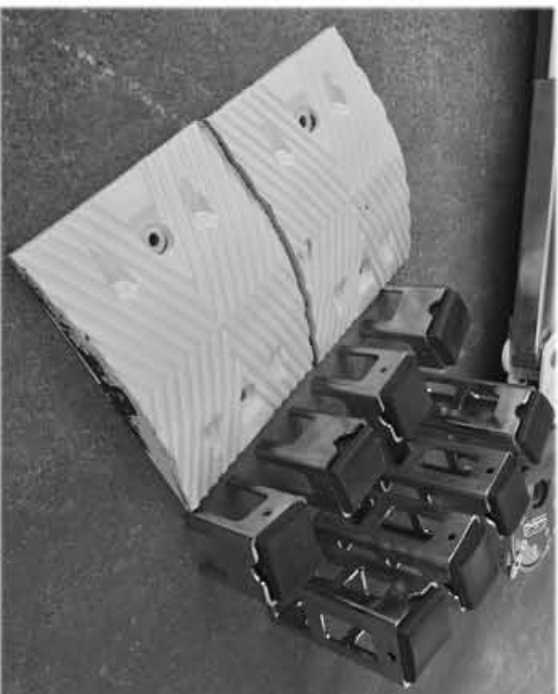
# AUXILIARY CARTAR PRODUCTS

## CARTAR "SUV KIT"



Position A:-  
100 mm/ 5 inches  
lift above arm.

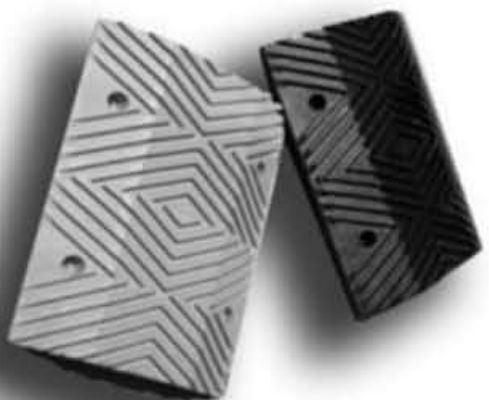
Position B:-  
135mm/ 6 1/2 inches  
lift above arm.



## CARTAR "RAMP KIT"

If your vehicle is too low for the Cartar FL Lift, no problem, simply use the Cartar Ramps.

- 1) Place one of the Cartar Ramps forward of the 2 front wheels.
- 2) Drive your vehicle forward until both front wheels are sitting atop of ramps.
- 3) You have now elevated your vehicle by 50mm / 2 inches. This will easily allow your Cartar Lift to now roll under.



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# UNPACKING & INITIAL ASSEMBLY

- 5/ Now remove the following items from your lift :-

fig AA - 1 x Tow Handle (cut cable Tie to remove)

fig BB - Remove Control Pad and black covered Air Line and lay out straight in front of your Lift.

fig CC - Remove the 4 Rubber Blocks and the 4 Support Brackets. 2 are stored on the L/H side and 2 are stored on the R/H side. When Cartar Lift is not in use, these components can be stored back in the same place.

fig EE - Check that there are no pallette blocks still secured to underside of blue base of your Cartar Lift. Before using your Cartar Lift, you must be certain that blue base of your Lift is sitting squarely on concrete floor.

You now should have your Cartar Lift completely unwrapped and the blue sitting flat on your concrete floor.

6/ Closely inspect your control Pad and Black Air Line cover for any cuts or damage.

7/ Insert a male air line fitting into your Control Pad that is compatible with your air line system. Seal fitting with tape or sealant before inserting to prevent air leaks. (see fig 1)

8/ Insert 2 drops of oil into your air line fitting of your control pad.

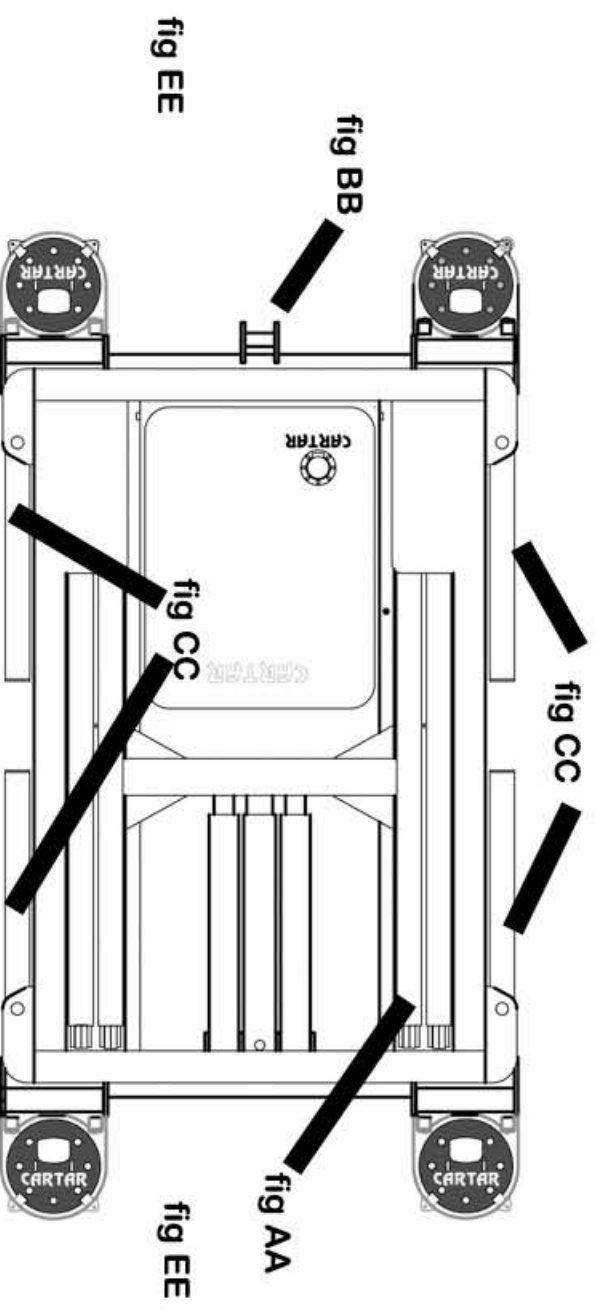
9/ Your Cartar Lift is now ready to operate.

It is recommended that you place a load on your Lift before fully extending lift for the first time.

**PLEASE HAVE COMPLETE KNOWLEDGE OF THIS MANUAL BEFORE USING YOUR CARTAR LIFT**



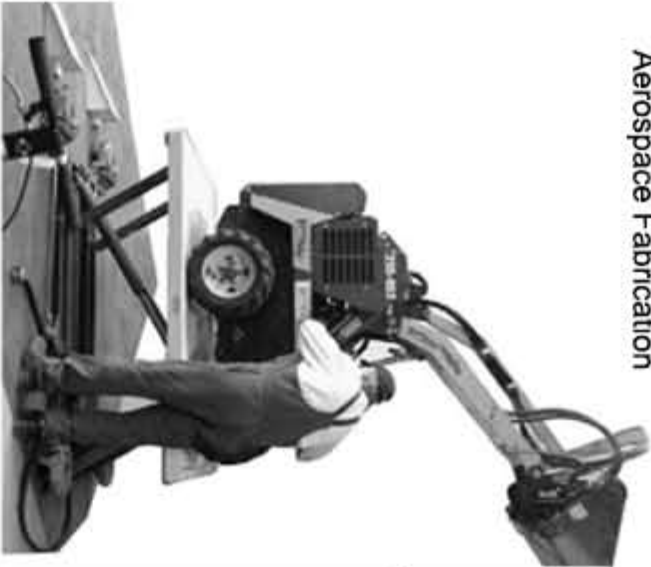
fig 1



# AUXILIARY CARTAR PRODUCTS

## CARTAR “WORK STATION”

Heavy Truck Components  
Agriculture Equipment and machinery  
Heavy Machine Shop Logistics  
Aerospace Fabrication



Engineering Workshop logistics  
Rental Equipment Workshops  
Theater and Stage Logistics  
Marine Industry



## CARTAR “SPRAYBOOTH KIT”



The Spraybooth Kit gives the operator the freedom to move damaged vehicles with ease and safely through the complete repair cycle. From times beginning, getting damaged vehicles in and out of a spraybooth has been a challenge. The “Spraybooth Kit” solves that problem and saves you the operator “Time and Money”.



# CARTAR FLS - Mobile LEGEND

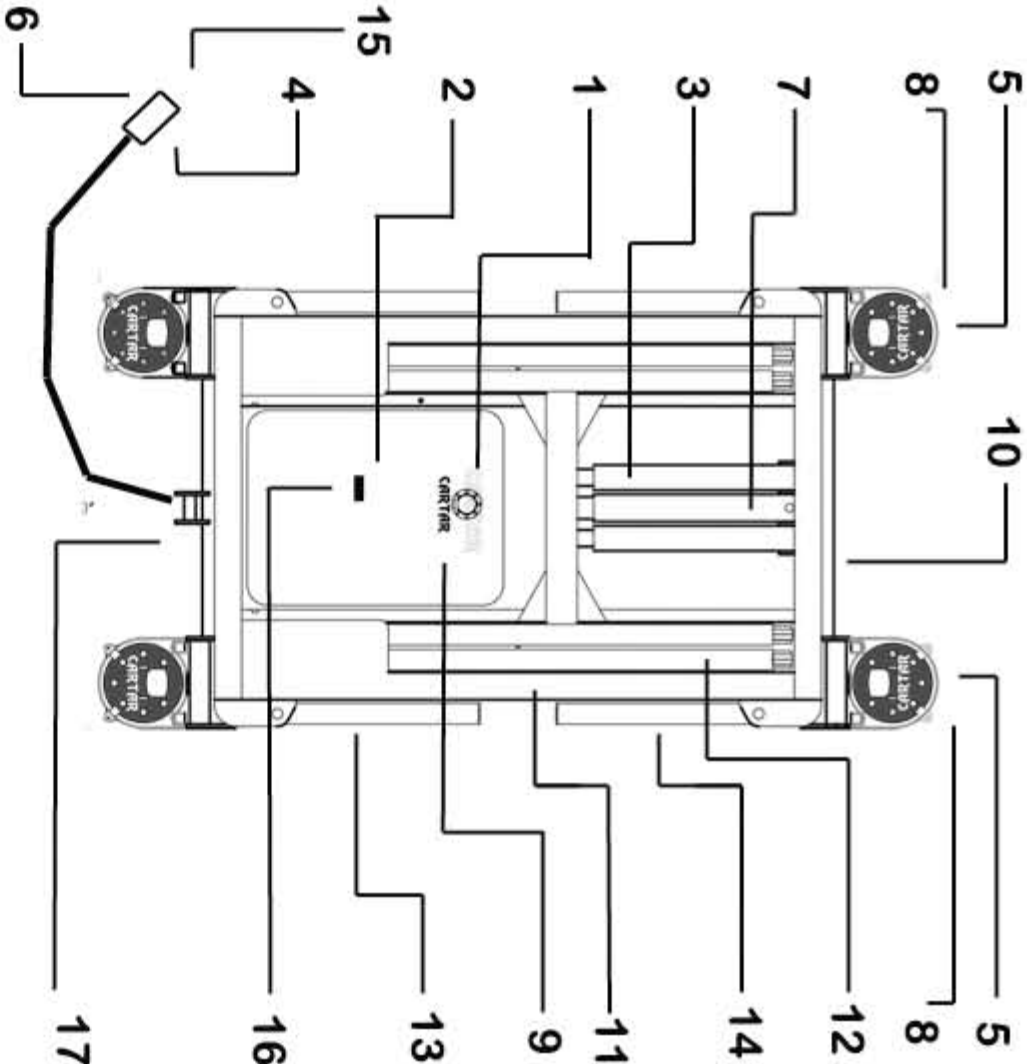


Fig A: Cartar machine “Folded Up” for storage.

## CARTAR LEGEND

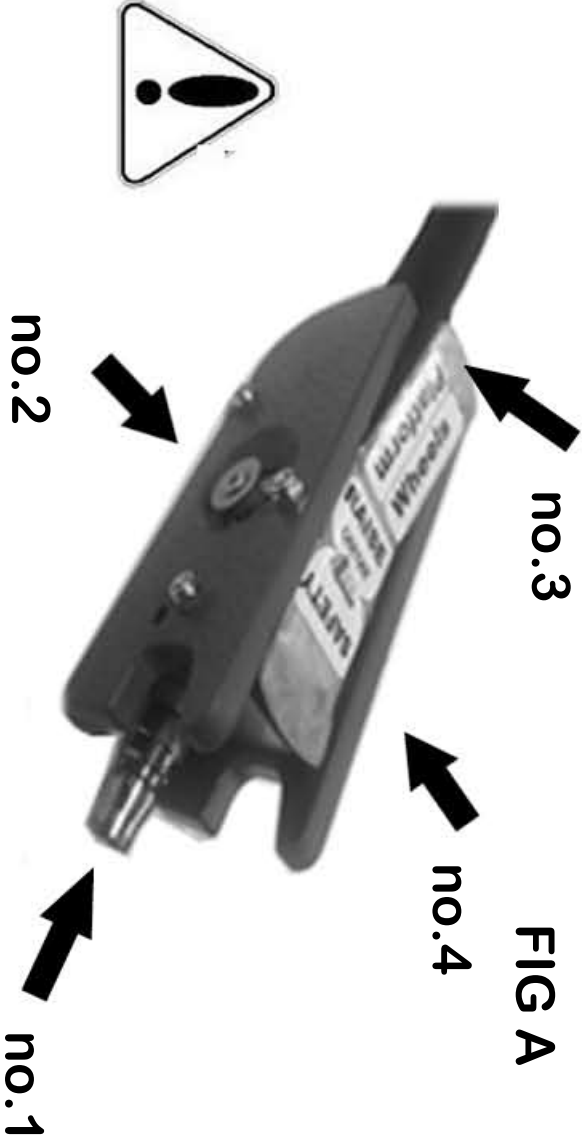
- |                              |                           |
|------------------------------|---------------------------|
| 1) Oil Filler / Breather Cap | 10) Base Frame (Blue)     |
| 2) Main Pump Ass Cover       | 11) Top Platform (Yellow) |
| 3) Hydraulic Cylinder        | 12) Main Lift Arms x4     |
| 4) Brake Locking Release     | 13) Front Swing Arms      |
| 5) Wheel Assembly x4         | 14) Rear Swing Arms       |
| 6) Safety Latch Release      | 15) Control Pad           |
| 7) Safety Lock Arm           | 16) Air Motor “Blow By”   |
| 8) Wheel Directional Locks   | 17) Tow Hook Mount        |
| 9) Oil Tank                  |                           |

# OPERATING INSTRUCTIONS

## TO RAISE VEHICLE:

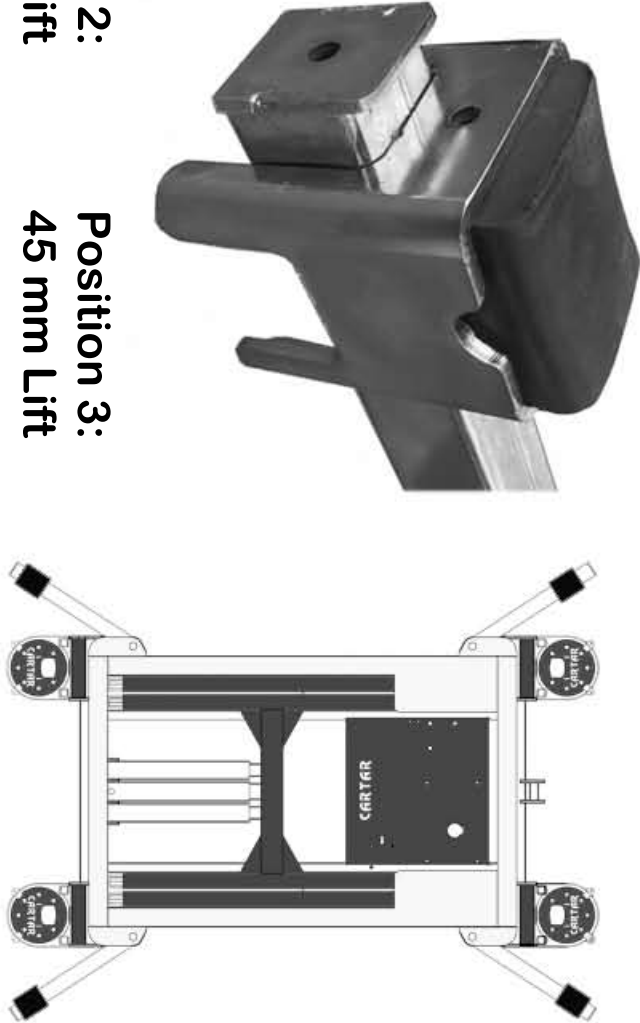
- 1) Connect Air Line to Control Pad. (Fig A, no.1)
- 2) Check the top Platform is fully lowered and the Base has minimal ground clearance but can still be rolled.
- 3) Enter from either the front or rear of your vehicle. (see “Position Under Vehicle” page 11). Roll the Cartar FL under vehicle and position so that the weight of your vehicle will be evenly balanced on the Cartar FL.
- 4) Lower Base to “Brake Locking” position (see page 9) before proceeding to raise vehicle.
- 5) Place rubber Pads under vehicle at suitable points (see page 11, Fig 2)
- 6) Check all persons and objects are clear for a 3 (Three) Metre Radius.
- 7) On the Control Pad, switch to “Platform” (Fig A, no.2)
- 8) On the Control Pad, Push down “RAISE” (Fig A, no.3)
- 9) Closely Observe vehicle as it ASCENDS to required height.
- 10) Once at desired height, switch to “Wheels” so that Top Platform will descend to nearest locking position on the Safety Arm (Fig A, no.4)
- 11) The Cartar FL is now ready to be released from “Brake Locking” and moved. If you do not need to move elevated vehicle and Cartar FL, then return the wheels to “Brake Locking” position (see page 10).
- 12) Once the Cartar FL has engaged its Safety Latch, you can also disconnect the Air Line from the Control Pad.

**NOTE:** When the Cartar FL is not being moved, ALWAYS return to the “Brake Locking” Position.



# POSITION OF RUBBER PADS

Recommended Positions on Lift.



**Position 1:**  
Arm Height

**Position 2:** 25 mm Lift  
**Position 3:** 45 mm Lift

## FIXING AIR MOTOR “BLOW BY”

On occasions, you will press your “Raise” trigger and the Air Motor will not rotate. Instead you will hear your Air Motor “exhausting” air without turning. This is because all air motors will from time to time flat spot under certain circumstances. When this occurs, simply;

- Step 1: Disconnect your air line from Control Pad.
- Step 2: Take a small flat blade screw driver and position it in recess (line AA) and rotate the alloy pulley in a 1/4 turn either way.
- Step 3: Reconnect air and press “Raise” trigger. Air Motor should respond, but if not repeat steps 1 & 2 again.



AA