



## **BOTTLE CRUSHER**



**Model : Oppressor GLS & GLC**

## **INSTRUCTION MANUAL**

**IMPORTANT!**

**PRIOR TO OPERATION ALL USERS MUST READ THE  
ENTIRE INSTRUCTION MANUAL**

Expleco Ltd has an ongoing development programme and the product  
pictured may differ slightly in appearance.

Specifications are subject to change without notice.



## **WARNING**

BEFORE USING THIS PRODUCT PLEASE READ THE FOLLOWING SAFETY PRECAUTIONS, TO AVOID PERSONAL INJURY. IT IS IMPORTANT TO UNDERSTAND THE APPLICATIONS, LIMITATIONS AND POTENTIAL HAZARDS ASSOCIATED WITH THIS PRODUCT.

1. This machine is designed to crush glass bottles **ONLY**
2. Do not use the Oppressor GLS or GLC for any other use.
3. The machine is not intended for use by young or infirm persons.
4. Children or visitors should be kept well away from the machine and should not be permitted to handle the machine or power cord.
5. The machine is designed for interior use. Do not use the machine in wet conditions.
6. Do not use the machine near flammable liquids or gases.
7. The power supply cable should be checked and certified at 6 monthly intervals by a registered electrician.
8. The power supply must be capable of delivering 240v @ 10 amps. Extension cords must not be more than 10m long unless they are heavy duty cords. Low amperage or excessive extension cord length will cause the overload reset button on the machines switch housing to trip out. After rectifying the power supply or extension cord the overload will need to be pressed in to reset , prior to starting the machine.
9. If handling broken bottles protective gloves must be worn.
10. Before starting the machine check the bucket or bin level.
11. Never place bottles in the machine unless the machine is running and the red LED light is on.
12. Bottles must be inserted into the machine neck down.
13. Caps and all liquid must be removed from bottles prior to inserting into machine.
14. Do not use the machine if dust is emitting from the filter or inlet. This is an indication that the filter needs cleaning or bucket needs emptying.
15. In the rare occurrence of a bottle jamming protective gloves must be worn prior to opening the chute and removing the jammed glass.
16. Never service the machine, change components, or open the chute unless the power supply **HAS BEEN REMOVED FROM THE WALL SOCKET.**



## OPERATING INSTRUCTIONS

1. Ensure that machine is plugged into a 240v 10 amp supply and that any extension cord is not over 10m long.
2. Check level in bucket.
3. Turn machine on, ensuring that LED light is on. (LED light shows that machine is running where background noise/music in bar makes it difficult to hear that machine is running.
4. Ensure that all bottle caps are removed. Feed bottles into machine neck first. Bottles can be fed immediately one after the other.
5. Once bucket or bin is full turn machine off. Wind jack handle clockwise to lift housing/lid 50mm above bucket or use lever on newer models. Remove bucket to empty. Replace bucket by locating bucket firmly against green foam bucket locator pad. Wind jack handle anti-clockwise, ensuring that lid flange does not catch on top of bucket. Bucket must seal against foam seal on lid. Jack must be wound anti-clockwise until the sliding section of the jack hits the 10mm Zinc Cap Screw located on the lower jack section. This will ensure that the bucket is properly sealed. To ensure seal only use the Expleco Bucket !!

### **Bottle Jam**

1. On the rare occasion that a bottle jams in the feed in chute or stalls the motor , carry out the following procedure.
2. Turn machine off and pull power supply plug from wall socket.
3. Using 8mm Allen wrench supplied, undo the chute retaining bolt and open chute. Using protective gloves remove the jammed bottle or clogged glass from the chute and/or main housing. Check that the main rotor and flail assembly turns freely.

4. Clean glass grit from the rubber chute/housing gasket. Relocate the chute and tighten the chute retaining bolt firmly – being sure that a proper seal is attained. Do not overtighten.
5. If overload protector tripped during the jam you will need to reset the overload on the switch housing by pushing it in.
6. Restart the machine.

### **Filter Clean/Replacement**

1. If visible dust is seen coming from the filter or main inlet, it is an indication that the filter needs cleaning or the bucket is overfull.
2. Primary filter clean can be achieved by tapping on top of filter with knuckles so that the accumulated dust is dislodged from the primary filter and falls down into bucket.
3. If visible dust is still coming from the main inlet or filter the primary filter will need replacing. Please contact Expleco or the machine supplier for supply of replacement primary filter.

### **Bearing and Jack stand grease.**

1. Your Oppressor GL is supplied with a small grease gun.
2. The grease that must be used is Shell Albida EP2 High Temp Grease.
3. The machine is pre-greased in the factory. The grease gun is supplied full.
4. If the machine makes an intermittent or consistent squeak the main bearing will need greasing.
5. With the machine running pump grease into the grease nipple on the top of the main bearing. Wait between each pump and when squeak stops give one more pump. Do not over grease.
6. As a rough rule of thumb you may find that you need to grease once every 2-3000 bottles.
7. Once or twice a year you can grease the nipple on the top of the jack stand. Only a couple of pumps will be required.

### **Consumable Items**

1. The Oppressor GL has specialised internal components which are made from high tech abrasion resistant materials which eventually need replacing. These parts are readily available for purchase from Expleco or your machine supplier. The parts must be installed by a factory approved service technician.
2. The consumable items and indicative life are as follows.
  - 12 x Oppressor Oscillating Flails - 50,000 bottles
  - Main Screen GLS only - 25,000 bottles
  - Top screen shroud GLS only - 50,000 bottles
  - Main Bearing -50,000 bottles
  - Motor Bearings -25,000 bottles
  - Buckets – available as required. Only use the Expleco Bucket

These are average component lives. You may get a longer life from some components. If in doubt contact your supplier or Expleco.

## **Trouble Shooting**

<b>Trouble</b>	<b>Probable cause</b>	<b>Remedy</b>
Squeak or Whistling Noise	<ol style="list-style-type: none"> <li>1. Dry Bearing</li> <li>2. Main Shaft Misalignment</li> </ol>	<ol style="list-style-type: none"> <li>1. Grease Bearing</li> <li>2. Contact supplier and have shaft re-aligned.</li> </ol>
Unusual Vibration or knocking sound	<ol style="list-style-type: none"> <li>1. Main Shaft Misalignment</li> <li>2. Damaged Oppressor Flail</li> </ol>	<ol style="list-style-type: none"> <li>1. Contact supplier and have shaft re-aligned.</li> <li>2. Replace damaged Oppressor Set.</li> </ol>
Overload Switch Trips regularly	<ol style="list-style-type: none"> <li>1. Bearing Failure</li> <li>2. Power Supply Inadequate</li> <li>3. Extension cord too long.</li> </ol>	<ol style="list-style-type: none"> <li>1. replace main Bearing</li> <li>2. Ensure 240v 10amp supply.</li> <li>3. Use shorter or Heavy Duty Extension.</li> </ol>
Dust Leaks from Bucket Lid	<ol style="list-style-type: none"> <li>1. Jack not lowered correctly</li> <li>2. Bucket seal leaking</li> <li>3. Incorrect diameter bucket</li> </ol>	<ol style="list-style-type: none"> <li>1. Ensure Lid is central on bucket and jack is lowered to stop bolt on lower jack leg.</li> <li>2. replace bucket seal.</li> <li>3. replace with Expleco bucket.</li> </ol>
Dust is visible from inlet and/or filter	<ol style="list-style-type: none"> <li>1. Full Bucket</li> <li>2. Primary Filter clogged</li> <li>3. Main Filter clogged</li> </ol>	<ol style="list-style-type: none"> <li>1. empty bucket</li> <li>2. Clean Primary Filter.</li> <li>3. Clean or replace main filter.</li> </ol>

## **GUARANTEE**

Expleco Limited guarantees this product from defects of materials and workmanship for a period of twelve months from date of purchase provided that the product is used in accordance with the recommendations set out in this instruction manual and with voltage and current limits set out on the motor plate. Expleco Limited will at its own option make good, replace the complete machine (or defective component) with the same or similar product, or provide credit for any product manufactured or supplied by it, which proves to be defective within the limits set out above provided that always no repairs, modifications or alterations to the product have been undertaken or attempted, other than by the company or its authorised agents. Should the purchaser wish to make a claim under the guarantee, the product should be returned pre-paid to the place of purchase.

To obtain the warranty the purchase receipt must be returned with the machine. This guarantee is in addition to and does not take away from any rights available to the consumer under the Consumer Guarantees Act.

**A TWELVE MONTH GUARANTEE APPLIES TO THIS PRODUCT FOR DOMESTIC AND LIGHT INDUSTRIAL USE ONLY. (Bars, restaurants, cafes, hotels, motels, lodges, charter vessels and other intermittent light industrial sites)**

**THE GUARANTEE IS APPLICABLE FROM THE ORIGINAL DATE OF PURCHASE**

**TO OBTAIN THE WARRANTY THE PURCHASE RECEIPT MUST BE RETURNED WITH THE MACHINE.**

**THE GUARANTEE EXCLUDES:**

- **DAMAGE, MALFUNCTION OR FAILURE DUE TO NEGLIGENCE, MISUSE OR ABUSE**
- **DAMAGE MALFUNCTION OR FAILURE DUE TO USE IN CONTINUOUS AND/OR HEAVY INDUSTRIAL APPLICATIONS.**
- **DAMAGE, MALFUNCTION OR FAILURE DUE TO USE IN APPLICATIONS THAT THE MACHINE IS NOT DESIGNED TO PERFORM.**
- **CONSUMABLE COMPONENTS AND ACCESSORIES.**
- **REPAIRS, MODIFICATIONS, OR ALTERATIONS ATTEMPTED OR MADE TO THE MACHINE BY OTHER THAN AN AUTHORISED AGENT.**

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# **BOTTLE CRUSHER**

## **Model : Oppressor GLS**

### **Standard Operating Procedure**

**IMPORTANT!**  
**PRIOR TO OPERATION ALL USERS MUST READ THE ENTIRE INSTRUCTION MANUAL**

1. This machine is designed to crush glass bottles ONLY. Do not use the Oppressor GLS for any other use.
2. The machine is designed for interior use. Do not use the machine in wet conditions.
3. Do not use the machine near flammable liquids or gases.
4. The power supply cable should be checked and certified at 6 monthly intervals by a registered electrician.
5. The power supply must be capable of delivering 230-240v @ 10 amps.
6. Extension cords must not be used, other than those supplied with the machine. If motor won't start overload protector may need resetting. (refer to instruction manual)
7. Protective Goggles and earmuffs are recommended to be worn.
8. If handling broken bottles protective gloves must be worn.
9. Before starting the machine check the bucket level.
10. Never place bottles in the machine unless the machine is running and the red LED light is on.
11. Bottles must be inserted into the machine neck down.
12. Caps and all liquid must be removed from bottles prior to inserting into machine. Bottles can be fed immediately one after the other.
13. In the rare occurrence of a bottle jamming refer to the Instruction Manual. If machine still runs but bottles jammed in chute , then use T handle to clear by ramming on bottle jam. If machine is stalled then you will need to remove 8mm cap screw on rear of chute and unplug the power supply on machine housing. – remove blocked glass carefully with protective gloves. The overload may need re-setting. Only trained and authorised persons should open and service the machine. If in doubt immediately contact the machine supplier.
14. Once bin is full turn machine off. Pull jack handle towards you to lift housing/lid 25mm above bucket. Remove bucket to empty. Replace bin by locating bin firmly green tray pad. Push jack handle back, ensuring that lid flange does not catch on top of bin. Jack handle must be pushed back until nearly vertical and then released. This will ensure that the bin is properly sealed. To ensure seal only use the Expleco 20 Litre Bucket !!

**IF IN DOUBT REFER TO INSTRUCTION MANUAL  
OR CONTACT EQUIPMENT SUPPLIER**



IMPORTANT PLEASE READ BEFORE ASSEMBLY

### Chute Refit

- Refit main chute using bolts found in hinges. Make sure 10mm washers are reinstalled each side of hinge and 8mm washer is installed between nut and 10mm washer.

### Filter Refit

- Push filter down firmly so that tube presses on white pre filter disc and tighten with a screwdriver.

The user manual has all the information about operating the machine and trouble shooting. Below are the key points to stay safe and avoid jams or creating a mess.

If GLS Machine has lever jack please read instruction on **reverse** of this sheet.

### Key Points

- Never open the machine when it is turned on or plugged in at the wall.
- Never over fill the GLS bucket or GLC Wheel Bin or use a foreign bucket or bin.
- Never put a bottle in before the machine is turned on.
- After the last bottle has gone through let it run for a few seconds to clear all particles.
- Never attempt to put in broken glass or clear a jam without using gloves.
- If you run the machine on an extension cord keep it as short as possible to ensure the machine operates at its most efficient. 10-15m max.
- Keep the machine indoors.
- **IMPORTANT** always feed bottles into chute with pressure that **fires** bottles into chute rather than easing them into chute

Please contact us once you have your machine set up and someone will talk you through all the features and finer points of operation to ensure you get the best out of your GLS or GLC glass crusher.



# FOR MACHINES WITH LEVER JACK

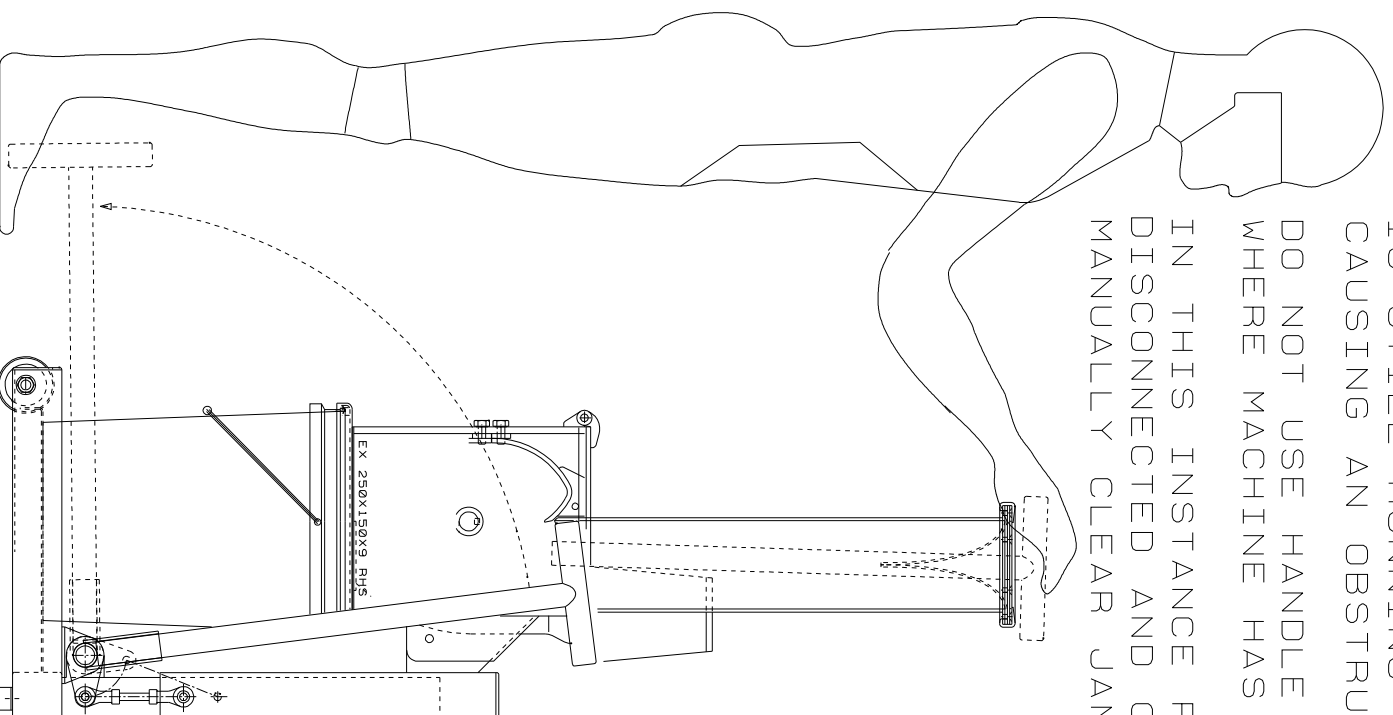
JACK HANDLE CAN BE USED TO CLEAR JAMBED BOTTLES

**IMPORTANT !!**


ONLY USE JACK HANDLE IF MACHINE IS STILL RUNNING BUT BOTTLE IS CAUSING AN OBSTRUCTION.

DO NOT USE HANDLE TO CLEAR JAMBS WHERE MACHINE HAS STALLED

IN THIS INSTANCE POWER MUST BE DISCONNECTED AND CHUTE OPENED TO MANUALLY CLEAR JAMB.



LEVER JACK OPERATION  
OPPRESSOR GL™  
for EXPLECO LIMITED

 Borrett Offshore Design Ltd  
Marine Designers - Builders - Consultants  
Omaka Valley Rd2, Blenheim, New Zealand

SCALE 1:5 DIN A2 DATE 07-09-09

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SHEET NUMBER 001 DESIGN NUMBER 00000000

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