

# ClanPro®

## STRONG-ARM



Hydraulic Motorcycle Lift.

Model CML3 & CML3 AIR

Part No: 7610143

ASSEMBLY & OPERATING  
INSTRUCTIONS

CE

1205



**DO NOT ENTER UNDER THE PLATFORM  
UNLESS IT IS MECHANICALLY LOCKED**

**(see instructions)**

**DO NOT EXCEED MAXIMUM LOAD  
450KG (1000LBS)**

## SPECIFICATIONS

Maximum Load .....	450kg (1000lbs)
Table Length (mm) .....	2200
Table Length - with Ramp (mm) .....	2790
Max. Table Height (mm) .....	750
Net weight incl. wheel clamp .....	145kg
Operating Temp. range .....	4°C - 40°C
Operating Air Pressure (Air version only) .....	120-200psi (8-13bar)

## PARTS & SERVICE CONTACTS

For Spare Parts and Service, please contact your nearest dealer,  
or CLARKE International, on one of the following numbers.

**PARTS & SERVICE TEL: 020 8988 7400**

**PARTS & SERVICE FAX: 020 8558 3622**

or e-mail as follows:

**PARTS: [Parts@clarkeinternational.com](mailto:Parts@clarkeinternational.com)**

**SERVICE: [Service@clarkeinternational.com](mailto:Service@clarkeinternational.com)**



Thank you for purchasing this CLARKE Motorcycle Lift.

Before using this equipment, please read this instruction manual thoroughly, and follow all directions carefully. By doing so, you will ensure your own safety, and that of others around you. Used carefully and considerately, this Motorcycle lift will give you long and trouble free service.

## GUARANTEE

This product is guaranteed against faults in manufacture for 12 months from purchase date. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product has been abused or tampered with in any way, or not used for the purpose for which it is intended.

The reason for return must be clearly stated.

This guarantee does not affect your statutory rights.

## SAFETY PRECAUTIONS

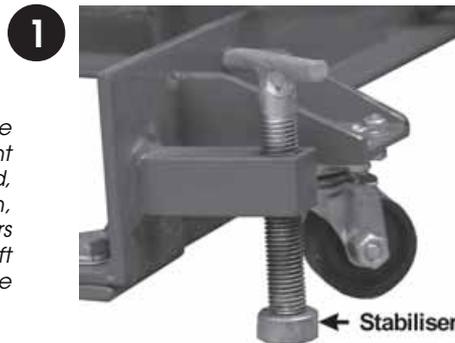
1. Only use the Lift for the purpose for which it was intended. Do not exceed its capacity of 450kg.
2. Do not rely upon the Hydraulic Ram to support the Table. Always use the Locking Bar (see Assembly instructions) to secure the table, in one of the two positions provided.

### IMPORTANT!

**NEVER enter under the platform unless it is mechanically locked using the safety bar provided.**

3. To provide stability when working, and before putting the table under load, always screw down the Stabilisers, (See illustration).

*NOTE: The castors are not designed to take the weight of a fully loaded table. On no account must you raise the table with a load on board, unless the stabilisers are screwed down, relieving the strain on the castors. The castors are only designed to allow the Motorcycle Lift to be moved easily and quickly around the workshop.*



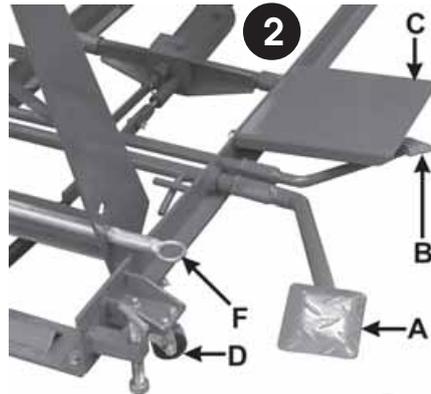
4. Always use the Wheel Clamp to firmly secure the motorcycle front wheel.
5. On NO ACCOUNT must anyone ride a motorcycle on to the Table, as the Lift will not withstand the additional weight, and will cause the Ramp and Table to buckle.

## ASSEMBLY INSTRUCTIONS.

Using a clean, level area, unpack the equipment, laying out the loose items.

The Motorcycle lift is packed flat, that is to say, in its lowest position. It is fully assembled, except for a few ancillary items, which are fitted as follows:

1. Attach the largest Foot Lever, (A), to its square spigot on the base of the unit, with the foot pedal facing upwards, and set at approximately 10 o'clock - looking side on.
2. Attach the Lowering Pedal (B) in the manner shown in Fig.2.
3. Attach the Safety Plate (C), using the nuts, bolts and washers provided. This plate is essential to prevent accidental contact with the lowering pedal which could result in the lowering of the table.
4. Attach the two Casters (D), securing with the nuts bolts and washers provided.



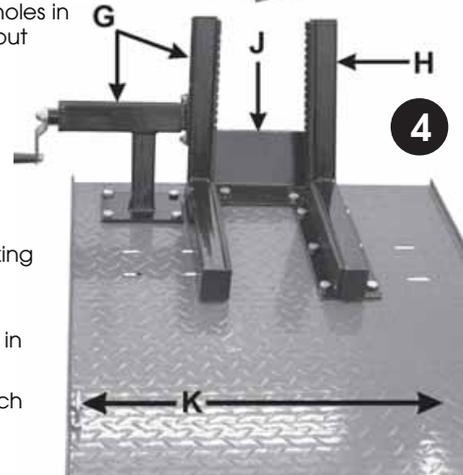
5. Attach the Ramp (E) by dropping the lugs into the holes in the table and securing with the 'R' clips provided.
6. **CML3** - Pump the foot pedal very gently to begin with, to ensure that all parts are free. Continue to pump the pedal, and observe the table rising. If any resistance is felt, investigate to ensure that no part is jammed by a loose or stray ancillary component.
7. When the Table is at its full height, it should be possible to insert the Locking Bar (F), through the hole in the Frame, (adjacent to the castor assembly bracket), the corresponding holes in each side of the Front Lifting Arm, and out through the opposite side of the Frame.



The Locking Bar secures the table to prevent any possibility of it lowering for any reason, and to provide a stable working platform.

8. Press the Lowering Lever (B) so that the weight of the table is taken by the Locking Bar.
9. Attach the Front Wheel clamps (G & H) and stop Plate (J) in the manner shown in Fig.4.
10. Attach the Lashing Eyes (K) - one to each side as shown in Fig. 4

The lift is now fully assembled.



#### 6A. **CML3 AIR**

Using all precautions with regard to using Air equipment - REFER TO THE AIR COMPRESSOR MANUAL, connect a suitable air hose equipped with a snap on type connector to the Hand Controller, shown in Fig. 5.

The hand controller is located on the end of the hose leading to the hydraulic ram.



Start the compressor with the outlet pressure set to zero, then open the outlet tap.

Set the output pressure to between 8 - 13 bar, depending upon compressor size.

Taking all precautions, as previously described, press down the operating lever of the hand controller. The ram will begin to operate and the platform will rise. Be prepared to release the lever immediately should any part of the lift become snagged.

Raise the platform to its maximum height, then proceed as described in para. 7 on page 4.

**NOTE: A 1HP (MIN) Air compressor is recommended for operation, although a 2HP machine will increase the speed of operation.**

#### To Lower the Lift

As the weight of the table is taken by the Locking Bar, it is necessary to pump the Foot Lever slightly in order to take the strain, and then remove the Locking Bar,

Visually check under and around the Lift to ensure that no obstacle will interfere when lowering the table.

Depress the Lowering Lever until the table is at its lowest position.

To manoeuvre the Lift around the workshop, screw up the stabilisers to allow the castors to function. For storage purposes, always screw the stabilisers down, to take the weight off the castors.

## OPERATION

For safety purposes, loading the lift is essentially a two man operation.

**DO NOT exceed the maximum lifting capacity of 450kg (1000lbs)**

**UNDER NO CIRCUMSTANCES** must you ride a motorcycle on to the lift, and on no account allow anyone to mount the motorcycle whilst it is on the table.

With the lift manoeuvred to a suitable position which allows adequate working space, screw down the stabilisers in order to take the weight off the casters and to prevent any possible movement of the table whilst working.

With the wheel clamp wide open, lower the table to its lowest position and with one person either side of the motorcycle, position it on the table so that the front wheel rests up against the Stop Plate.

Wind in the moveable wheel clamp to secure the front wheel, and tighten.

Secure the machine with straps using the lashing eyes, one each side of the table.

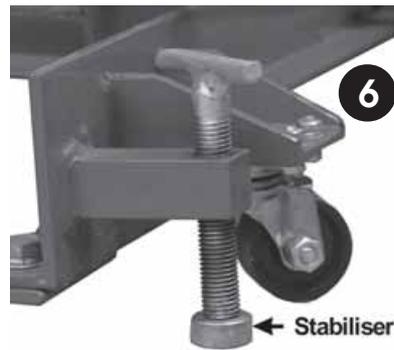
Before raising the table, check to ensure the motorcycle is perfectly stable.

Ensuring there is nothing to obstruct the table, press the raising lever repeatedly, or use the air controller if fitted, and raise to an appropriate height to insert the safety bar.

**NOTE: Two positions are provided into which the safety bar may be inserted, giving two working heights.**

With the safety bar correctly inserted, lower the table using the lowering foot lever to ensure the full weight of the table is taken by the safety bar.

If the rear wheel is to be removed, ensure the motorcycle rests on its centre stand, and well lashed down. Alternatively, a 'Paddock Stand' may be used to raise and secure the trailing axle. The cover of the opening, at the rear of the table, may be removed to facilitate the removal of the rear wheel.



### IMPORTANT!

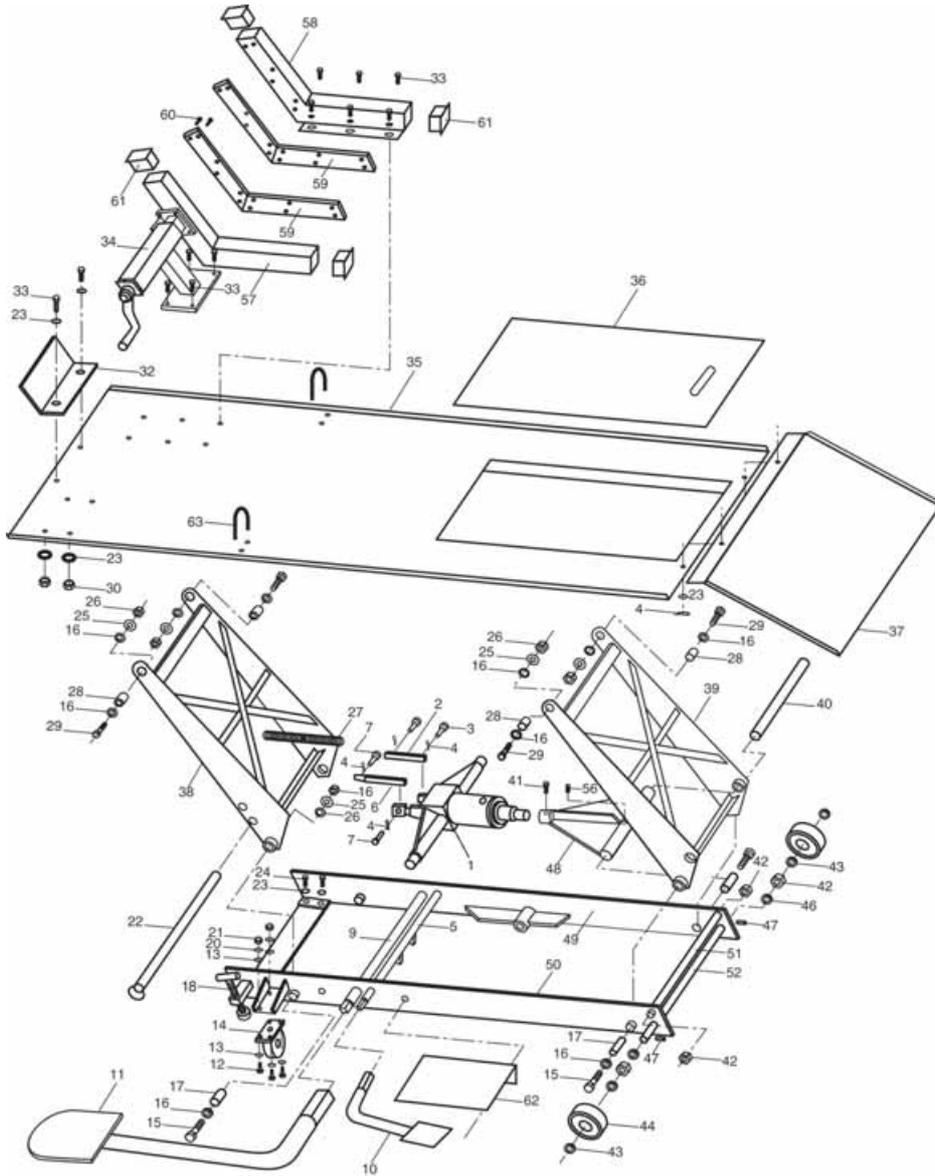
#### ENSURE THE FOLLOWING BEFORE COMMENCING WORK:

- **The safety bar is inserted and the table lowered so that the safety bar is taking the FULL weight of the table**
- **The motorcycle securely lashed.**
- **The stabilisers are screwed down to prevent the lift from moving.**

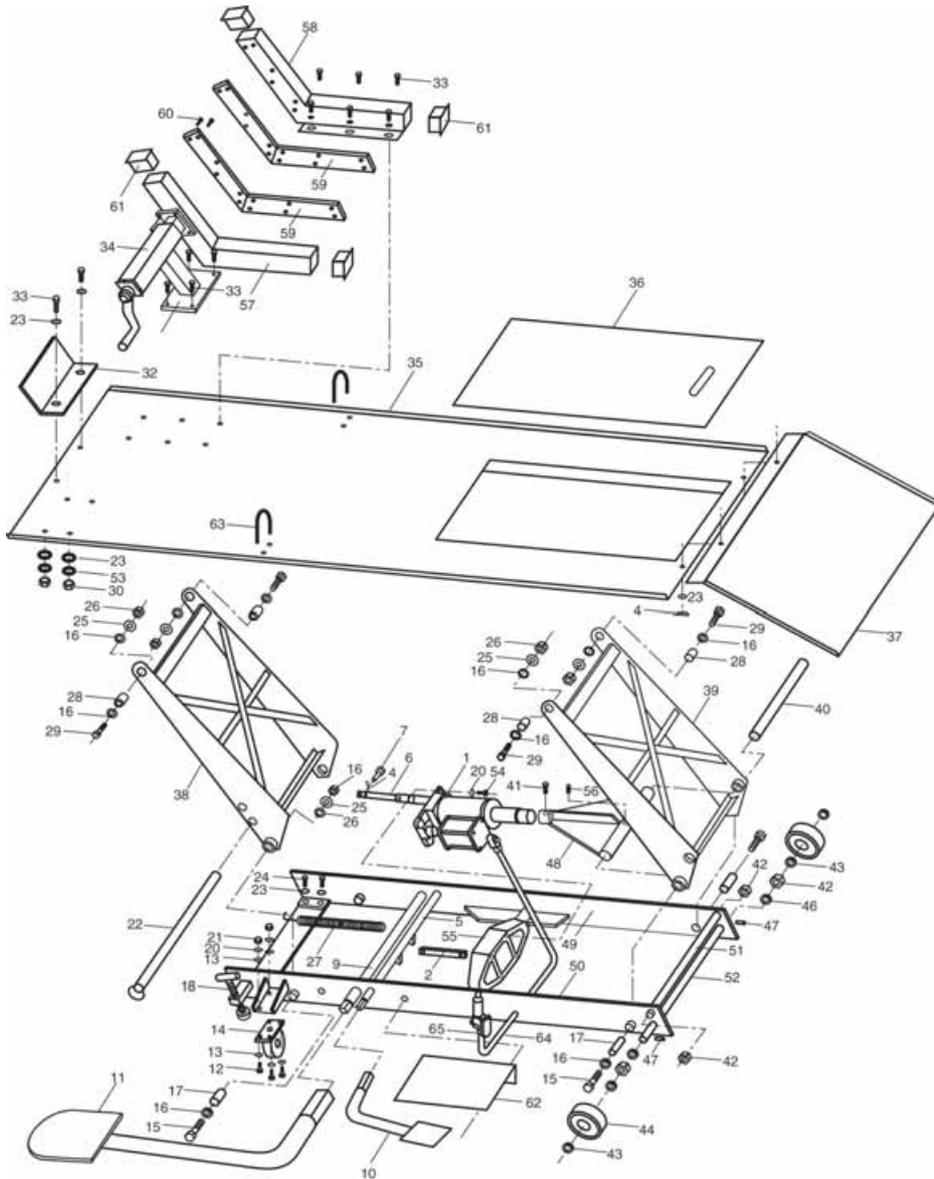
## MAINTENANCE.

1. Periodically, check that all joints and pivots are clean and moving freely. Lubricate all pivots and spindles, with light oil, using the oil holes provided.
2. Check the action of the hydraulic ram and inspect for leaks. If leaks are apparent, do not use the Lift, but carry out or submit for repair before use.
3. Always carry out a visual check before use to ensure the lift is serviceable, never take things for granted.

# PARTS DIAGRAM - CML3



# PARTS DIAGRAM - CLM3 AIR



## PARTS LIST

**WHEN ORDERING SPARE PARTS, PLEASE SPECIFY  
WHETHER FOR THE CML3 OR CML3AIR**

No.	Description	Qty	Part No:	No.	Description	Qty	Part No:
1	Hydraulic pump	1	HJCML30101	34	Clamp Adjuster	1	HJCML30134
1	Hydraulic pump (AIR)	1	HJCML30101A	35	Platform	1	HJCML30135
2	Link	1	HJCML30102	36	Sliding plate	1	HJCML30136
3	Pin	1	HJCML30103	37	Leading plate	1	HJCML30137
4	R-pin	6	HJCML30104	38	Front lifting arm	1	HJCML30138
5	Release valve spindle	1	HJCML30105	39	Rear lifting arm	1	HJCML30139
6	Link	1	HJCML30106	40	Lifting arm spindle	1	HJCML30140
7	Pin	2	HJCML30107	41	Bolt M8x12	5	HJCML30141
9	Pump piston spindle	1	HJCML30109	42	Nut M16	4	HJCML30142
10	Release foot pedal	1	HJCML30110	43	Washer 14mm	2	HJCML30143
11	Lift foot pedal	1	HJCML30111	44	Front wheel	2	HJCML30144
12	Bolt M6x16	8	HJCML30112	46	Washer 16mm	2	HJCML30146
13	Washer 6mm	17	HJCML30113	47	Cotter pin	2	HJCML30147
14	Castor fork assembly	2	HJCML30114	48	Connection	1	HJCML30148
15	Bolt M12x70	4	HJCML30115	49	Frame assembly(RH)	1	HJCML30149
16	Washer 12mm	8	HJCML30116	50	Frame assembly(LH)	1	HJCML30150
17	Bush	4	HJCML30117	51	Lifting arm top rod	1	HJCML30151
18	Adjusting screw assy	2	HJCML30118	52	Front spindle	1	HJCML30152
20	Lock washer 6mm	9	HJCML30120	53	Bolt M6x30	1	HJCML30153
21	Nut M6	9	HJCML30121	54	Bolt M6x20	4	HJCML30154
22	Locking bar	1	HJCML30122	55	Pump base	1	HJCML30155
23	Washer 10mm	22	HJCML30123	56	Bolt M8x10	1	HJCML30156
24	Bolt M10x20	4	HJCML30124	57	Movable vise assy	1	HJCML30157
25	Lock washer 12mm	8	HJCML30125	58	Stationary vise assy	1	HJCML30158
26	Nut M12	8	HJCML30126	59	Rubber protector	2	HJCML30159
27	Spring	1	HJCML30127	60	Bolt M6x8	24	HJCML30160
28	Bush	4	HJCML30128	61	Plastic cover	4	HJCML30161
29	Bolt M12x40	4	HJCML30129	62	Protection Plate	1	HJCML30162
30	Nut M10	4	HJCML30130	63	Lashing Eye	2	HJCML30163
32	Baffle plate	1	HJCML30132	64	Air Hose	1	HJCML30164
33	Bolt M10x25	12	HJCML30133	65	Air Controller	1	HJCML30165