

ClanPro®

STRONG-ARM



Hydraulic Motorcycle Lift.

Model CML3 & CML3 AIR

Part No: 7610143

ASSEMBLY & OPERATING INSTRUCTIONS

CE

0212



**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)

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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

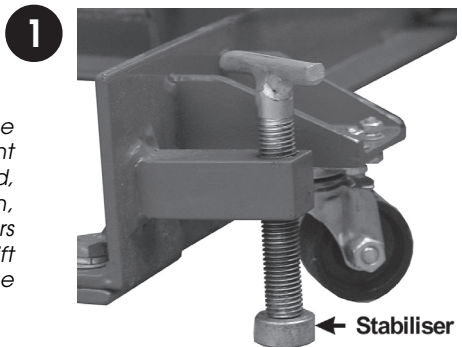
1. Only use the Lift for the purpose for which it was intended. Do not exceed its capacity of 450kg.
2. Do not rely upon the Hydraulic Ram to support the Table. Always use the Locking Bar (see Assembly instructions) to secure the table, in one of the two positions provided.

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.



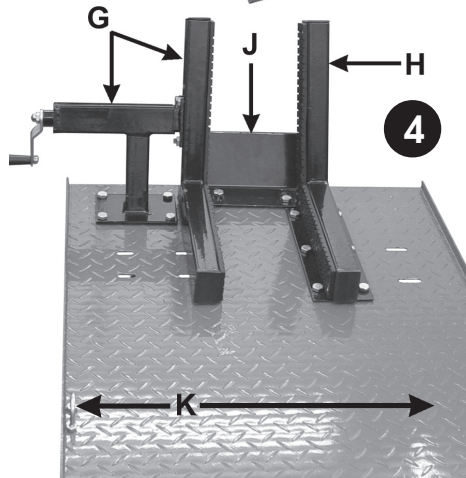
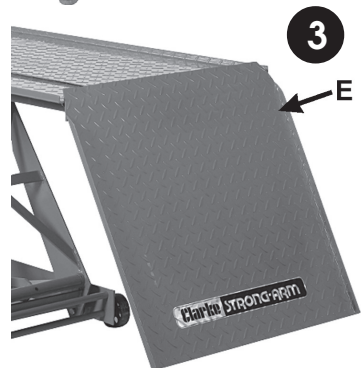
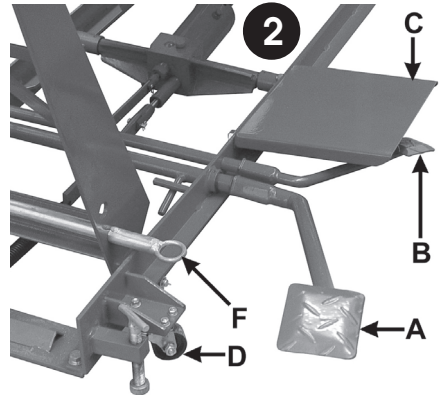
4. Always use the Wheel Clamp to firmly secure the motorcycle front wheel.
5. On NO ACCOUNT must anyone ride a motorcycle on to the Table, as the Lift will not withstand the additional weight, and will cause the Ramp and Table to buckle.

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:

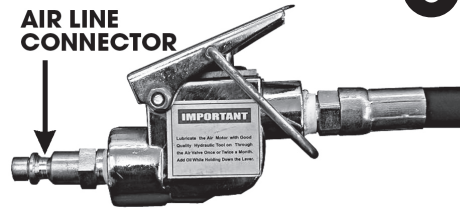
1. Attach the largest Foot Lever, (A), to its square spigot on the base of the unit, with the foot pedal facing upwards, and set at approximately 10 o'clock - looking side on.
2. Attach the Lowering Pedal (B) in the manner shown in Fig.2.
3. Attach the Safety Plate (C), using the nuts, bolts and washers 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 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.

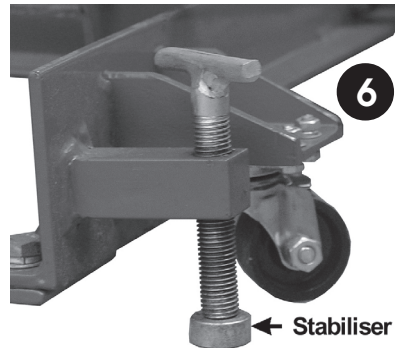
Before raising the table, check to ensure the motorcycle is perfectly stable.

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!

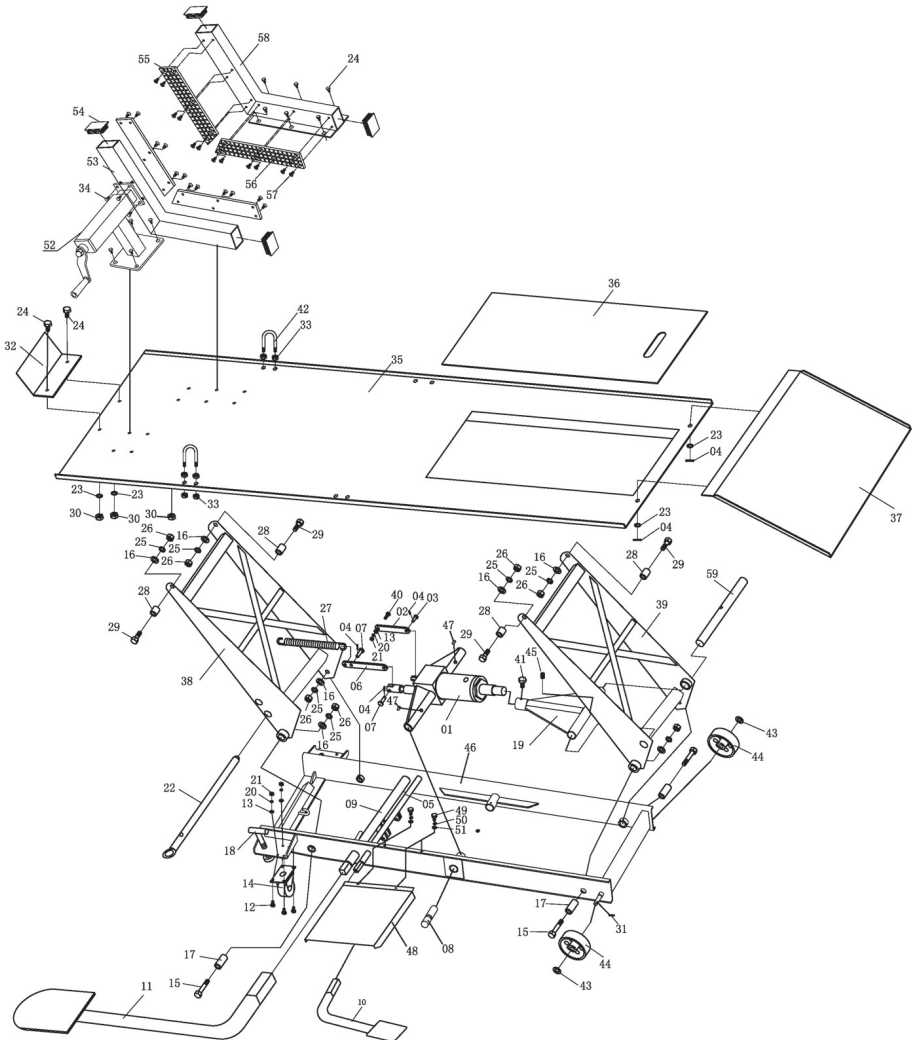
ENSURE THE FOLLOWING BEFORE COMMENCING WORK:

- **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.

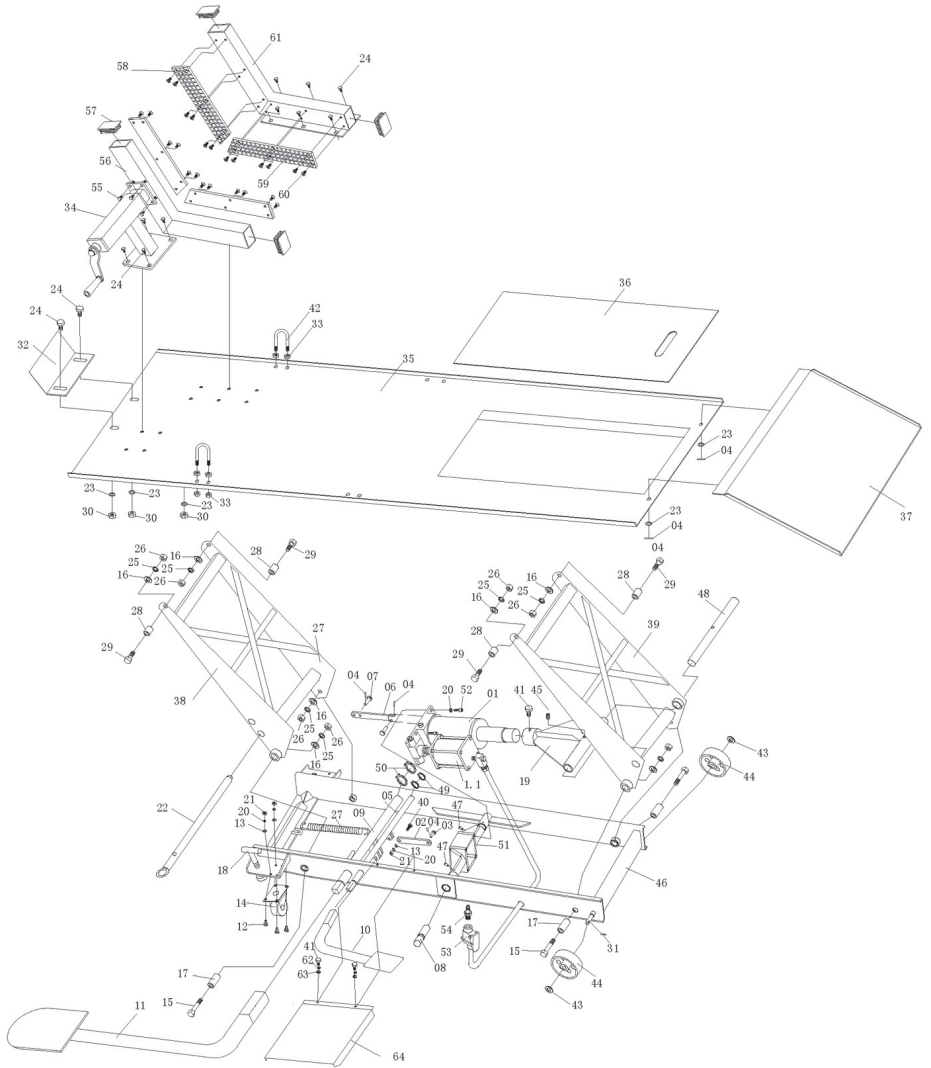
PARTS DIAGRAM - CML3



PARTS LIST - CML3

No.	Description	Qty	Part No:	No.	Description	Qty	Part No:
1	Hydraulic pump	1	HJCML301	32	Baffle plate	1	HJCML332
2	Link	1	HJCML302	33	Nut M8	8	HJCML333
3	Pin	1	HJCML303	34	Bolt M8x12	1	HJCML334
4	R-pin	6	HJCML304	35	Platform	1	HJCML335
5	Release valve spindle	1	HJCML305	36	Sliding plate	1	HJCML336
6	Link	1	HJCML306	37	Leading plate	1	HJCML337
7	Pin	2	HJCML307	38	Front lifting arm	1	HJCML338
8	Pump Shaft Location	1	HJCML308	39	Rear lifting arm	1	HJCML339
9	Pump piston spindle	1	HJCML309	40	Bolt M6x30	1	HJCML340
10	Release foot pedal	1	HJCML310	41	Bolt M8x12	1	HJCML341
11	Lift foot pedal	1	HJCML311	42	U Clamp	2	HJCML342
12	Bolt M6x16	8	HJCML312	43	Washer	2	HJCML343
13	Washer 6mm	17	HJCML313	44	Front wheel	2	HJCML344
14	Castor fork assembly	2	HJCML314	45	Set Screw M8x12	1	HJCML345
15	Bolt M12x70	4	HJCML315	46	Base Plate	1	HJCML346
16	Washer 12mm	8	HJCML316	47	Set Screw M6x10	2	HJCML347
17	Bush	4	HJCML317	48	Foot Pedel Guard	1	HJCML348
18	Adjusting screw assy	2	HJCML318	49	Bolt M8x12	2	HJCML349
19	Connection	1	HJCML319	50	Washer 12	2	HJCML350
20	Lock washer 6mm	9	HJCML320	51	Lock Washer 12	2	HJCML351
21	Nut M6	9	HJCML321	52	Clamp Adjuster	1	HJCML352
22	Locking bar	1	HJCML322	53	Movable vise assy	1	HJCML353
23	Washer 10mm	22	HJCML323	54	Plastic Cover	4	HJCML354
24	Bolt M10x20	4	HJCML324	55	Rubber protector	2	HJCML355
25	Lock washer 12mm	8	HJCML325	56	Rubber protector 2	2	HJCML356
26	Nut M12	8	HJCML326	57	Screw	24	HJCML357
27	Spring	1	HJCML327	58	Stationary vise assy	1	HJCML358
28	Bush	4	HJCML328	59	Lifting Arm Spindle	1	HJCML359
29	Bolt M12x40	4	HJCML329				
30	Nut M10	4	HJCML330				
31	Cotter Pin	1	HJCML331				

PARTS DIAGRAM - CLM3 AIR



PARTS LIST - CML3AIR

No.	Description	Qty	Part No:	No.	Description	Qty	Part No:
1	Hydraulic pump	1	HJCML301	33	Nut M8	8	HJCML333
2	Link	1	HJCML302	34	Vise Assy	1	HJCML334
3	Pin	1	HJCML303	35	Platform	1	HJCML335
4	R-pin	5	HJCML304	36	Sliding plate	1	HJCML336
5	Release valve spindle	1	HJCML305	37	Leading plate	1	HJCML337
6	Link	1	HJCML306	38	Front lifting arm	1	HJCML338
7	Pin	2	HJCML307	39	Rear lifting arm	1	HJCML339
8	Pump Shaft Location	2	HJCML308	40	Bolt M6x30	1	HJCML340
9	Pump piston spindle	1	HJCML309	41	Bolt M8x12	3	HJCML341
10	Release foot pedal	1	HJCML310	42	U Clamp	2	HJCML342
11	Lift foot pedal	1	HJCML311	43	Washer	2	HJCML343
12	Bolt M6x16	8	HJCML312	44	Front wheel	2	HJCML344
13	Washer 6mm	9	HJCML313	45	Set Screw M8x12	1	HJCML345
14	Castor fork assembly	2	HJCML314	46	Base Plate	1	HJCML346
15	Bolt M12x70	4	HJCML315	47	Set Screw M6x10	2	HJCML347
16	Washer 12mm	8	HJCML316	48	Lifting Arm Spindle	1	HJCML348
17	Bush	4	HJCML317	49	Retaining ring	2	HJCML349
18	Adjusting screw assy	2	HJCML318	50	Retaining ring	2	HJCML350
19	Connection	1	HJCML319	51	Pump Base	1	HJCML351
20	Lock washer 6mm	13	HJCML320	52	Bolt M6x20	4	HJCML352
21	Nut M6	9	HJCML321	53	Air Hose	1	HJCML353
22	Locking bar	1	HJCML322	54	Air Controller	1	HJCML354
23	Washer 10mm	12	HJCML323	55	Bolt M8x16	4	HJCML355
24	Bolt M10x25	12	HJCML324	56	Movable vise assy	1	HJCML356
25	Lock washer 12mm	8	HJCML325	57	Plastic Cover	4	HJCML357
26	Nut M12	8	HJCML326	58	Rubber protector	2	HJCML358
27	Spring	1	HJCML327	59	Rubber protector 2	2	HJCML359
28	Bush	4	HJCML328	60	Screw	24	HJCML360
29	Bolt M12x65	4	HJCML329	61	Stationary vise assy	1	HJCML361
30	Nut M10	12	HJCML330	62	Lock Washer 8	2	HJCML362
31	Cotter Pin	2	HJCML331	63	Washer 8	2	HJCML363
32	Baffle plate	1	HJCML332	64	Foot Pedel Guard	1	HJCML364



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Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2006/42/EC Machinery Directive.

The following standards have been applied to the product(s):

*EN ISO 13857:2008, EN 349:1998+A1:2008, EN 894-1:1997+A1:2008, EN 1037:1995+A1:2008,
EN 1494:2000+A1:2008.*

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2010

Product Description: Motorcycle Lifts
Model number(s): CML3 / CML3AIR
Serial / batch Number: N/A
Date of Issue: 12/08/2011

Signed:



J.A. Clarke
Director

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

SERVICE: Service@clarkeinternational.com

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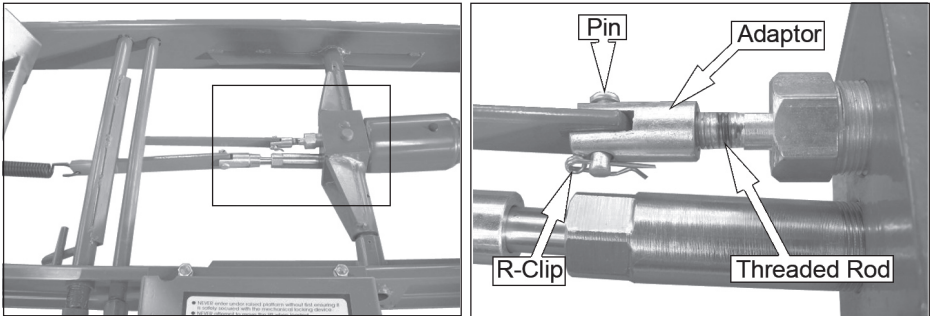
STRONG-ARM

Model CML3

Additional information

When the pedal is assembled, you may find that the foot plate is too near the bottom of the safety plate. If so make these adjustments.:

1. Raise the table and engage the safety locking bar as described on page 4 point 7 of the manual.

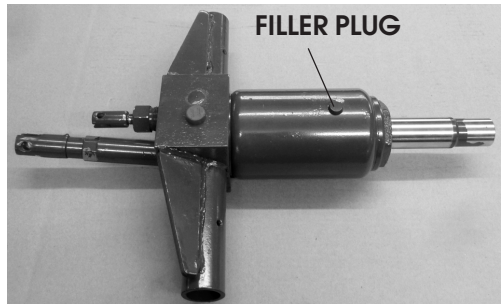


2. When the table is secure, identify the adaptor, pin and 'R' clip as shown above.
3. Remove the 'R' clip and pin and let the link bar drop down from between the flanges of the adaptor.
4. Loosen the adaptor from the threaded pin by 2 - 3 threads.
5. Refit the link bar using the pin and 'R' clip'.
6. The foot plate should have lowered in relation to the pedal guard.
7. If the necessary foot plate position has not been reached, Repeat the operation (Do not loosen the adaptor too much, make sure that sufficient thread engages with the pin).

SYSTEM AIR PURGE

In the event of the platform not pumping up to full height it may be necessary to purge air from the hydraulic system.

1. Pump up the platform as far as possible then fully lower using the LOWERING PEDAL
2. Remove the filler plug to release any trapped air, top up the reservoir with clean hydraulic fluid and re-insert the plug
3. Repeat operations 1 and 2 (above) until all air is purged from the system



If the above procedure does not cure the fault contact your local Clarke dealer.