



# Clemas & Co Ltd

Industrial Cleaning Equipment  
Sales - Hire - Service

## R48 & R76 SCARIFIER OPERATOR MANUAL



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## BRUSH/PAD REPLACEMENT

### BRUSH/PAD FITTING

- Disconnect the mains plug before fitting brushes or pads.
- To fit brushes raise the head of the machine. Turn the head into the vertical position and rest on the floor.
- Brushes and drive backs are simply pushed on and pulled off the pins, being held in place by grommets.
- To remove brushes, use both hands, placing fingers at the rear of the brush and pushing with thumbs on the bottom cover plate.
- Lower the head ensuring that the brushes or pads are level.
- Pads are pushed onto the drive back by hand.
- Wire scarifying brushes are normally attached by separate spring clips which are supplied with each set of brushes.
- Keep brushes or pads in their sets of three.
- Lower the head ensuring the brushes or pads are level.

### BRUSH & TOOL SELECTION

TASK	TYPE	R48HD	R76HD
Chequer plate cleaning	Crimped wire 26G	4841	7641
Concrete finishing	Steel wire 18G	4843	7643
Spark free scarifying	Bronze wire 18G	4845	7645
General scarifying	Steel wire 3 x 16G	4849	7649
Heavy duty scarifying	Steel wire 2 x 14G	4851	7651
Extra H/D scarifying	Steel wire 4 x 14G	4868	7668
Rubber removal	Starwheels	4899	7699
Concrete removal	Widea Wheels	4898	7698
Concrete preparation	Fine carbide block	4885	7685
Paint removal	Medium carbide	4886	7686
Coatings removal	Coarse carbide	4887	7687
Foam removal	Twisted wire	4869	7669
Ice breakdown	Angled tip scraper	4896	7696
Ice breakdown	Flat tip scraper	4897	7697

## OPERATING INSTRUCTIONS

### STARTING OPERATION

- Check the machine for any transit damage. Do not attempt to use the machine with any part missing or damaged.
- To adjust the handle position to suit the operator, lift the locking lever, situated on the right hand of the machine handle, to release the handle.
- **Filling the Tank** (where fitted)  
Important - the water or detergent solution used in the tank must be clean. Only use clean buckets when filling, or a hose direct from a tap. Never use corrosives, caustic fluids or powder in the tank. Powder or dirt will block the water channels. Use Cimex cleaning agents for best results.
- **Switching on machine** - uncoil all machine cable and connect plug to mains supply. Switch on the brush motor by operating the "Dead Man's Handle" and, where appropriate, the green switch on the starter box.

### SCRUBBING/STRIPPING (For Machines with Water Tank)

- Fit brushes or pads.
- Fill tank with water and detergent.
- Adjust handle position to suit.
- Tilt machine slightly backwards so that brushes/pads are clear of the floor. Wheel the machine to the area to be cleaned.
- Switch on machine. Always work away from the mains socket - this will prevent the machine running into cable.

**PLEASE NOTE:** to stop the machine, release the Dead Man's Handle. Each time the DMH is operated, the rotation of the brushes is reversed, to prolong brush life.

- To release cleaning solution onto the floor, grip the water control valve lever with the left hand. After a moment, the solution will be delivered through the centre of each brush.
- Having scrubbed the floor, remove the water and dirt without delay. For best results use a Cimex VC2.

## SCARIFYING

- Fit scarifying brushes.
- Adjust handle to suit the operator.
- Tilt the machine slightly backwards so that the brushes/pads are clear of the floor.
- Wheel the machine to the area to be cleaned.
- Switch on machine. Always work away from the mains socket - this will prevent the machine running into cable.
- This is normally a dry process. Because of the very harsh penetrating action of the wire brushes, only floors such as concrete, metal tile, end grain wood block etc. are scarified.
- After scarifying, collect loosened dirt immediately using sweeping or other suitable method.

## MAINTENANCE

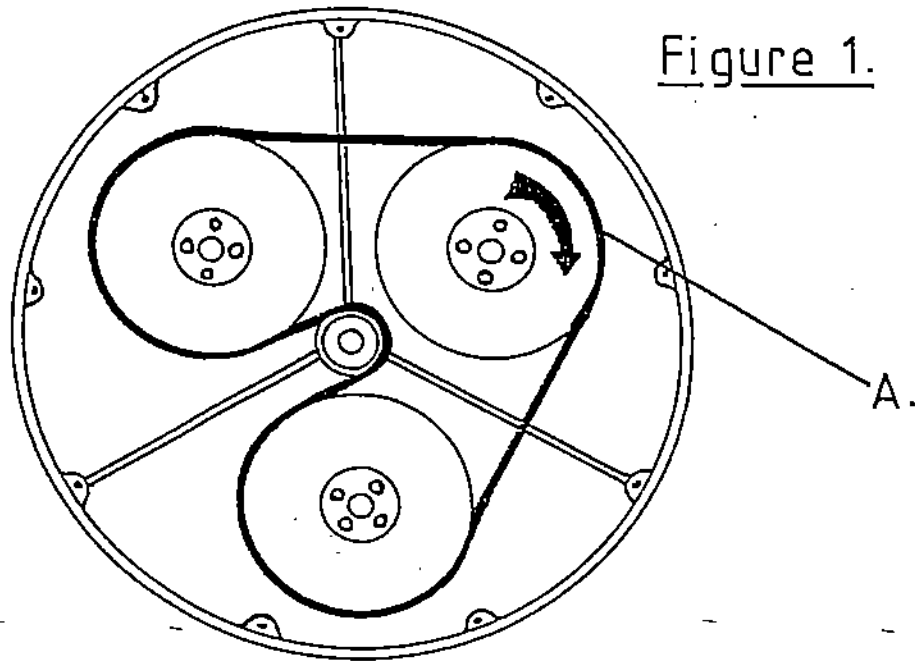
- After use, wipe over the machine with a damp cloth. Cleaning machines should always be kept clean.
- Inspect cable and mains plug, check for any loose parts, screws, nuts, etc., and report any damage.
- Remove brushes or pads and clean under running water.
- Do not store machine on its brushes.
- Empty water tank after use. Flush tank regularly.

## BELT REPLACEMENT (See fig.1)

1. Remove bottom cover screws to release cover.
2. To remove the belt, rotate a pulley whilst pulling the belt off at point 'A'.
3. To re-fit a new belt, loop the belt round the drive pulley and two of the brush pulleys, leaving the last loop of the belt to slide on at point 'A'. Rotate one pulley to slide on the belt until it is correctly positioned on all pulleys. A belt fitting tool is available (Part No. 9730).

4. Replace the bottom cover.

**Note:** There is no tensioning device, therefore it needs reasonable force to fit the belt.



### FAULT FINDING

<b>1. Motor not running.</b>	Check plug is inserted. Check fuse has not blown. Check circuit breaker has not tripped. Check cable is not damaged.
<b>2. Machine stalls during operation.</b>	Check whether pads or brushes are dirty or damaged. Check extension cable current rating. Check electrical plug connections.
<b>3. Machine vibrates.</b>	Check fitting of pads. Check pads or brushes are not worn or dirty. Check thickness of pads/brushes so that all three are even. Check brushes are not distorted (due to machine being stored on brushes).
<b>4. Cleaning solution does not flow.</b>	Check that tank is clean, outlet is not blocked, and all valves are open.

- Cimex machines and materials are backed by a comprehensive service network. If repairs become necessary, or spare parts are required, these can be obtained from your local Cimex Authorised Agent, who will be pleased to draw up a Service Agreement with you in order to provide a regular maintenance schedule and keep your equipment in optimum condition.
- The full range of brushes, detergents and polishes is also available.
- All Cimex machines are guaranteed for a period of One Year from date of delivery.