

**Desoutter**



## 701VA DUST EXTRACTION UNIT

**Operating Instructions  
Servicing Instructions  
Parts List**

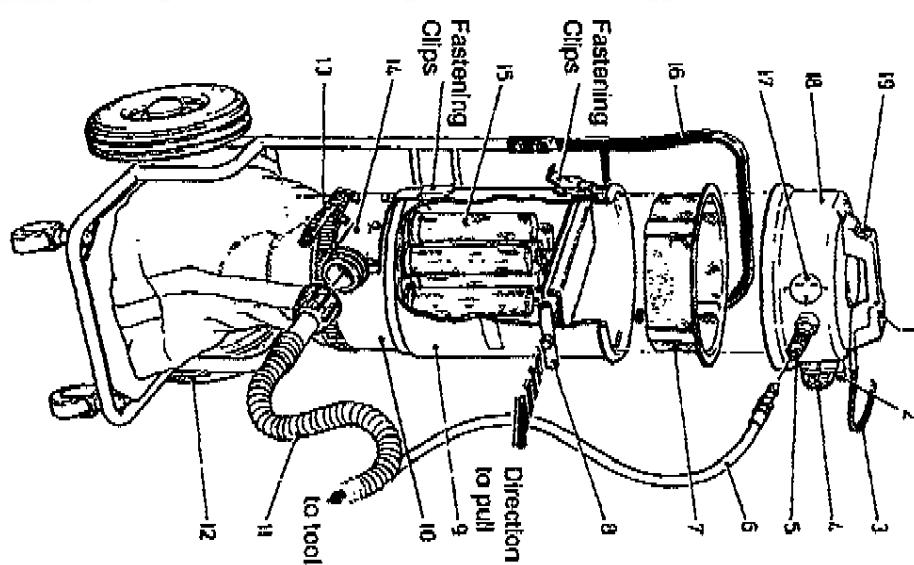


Fig (1)

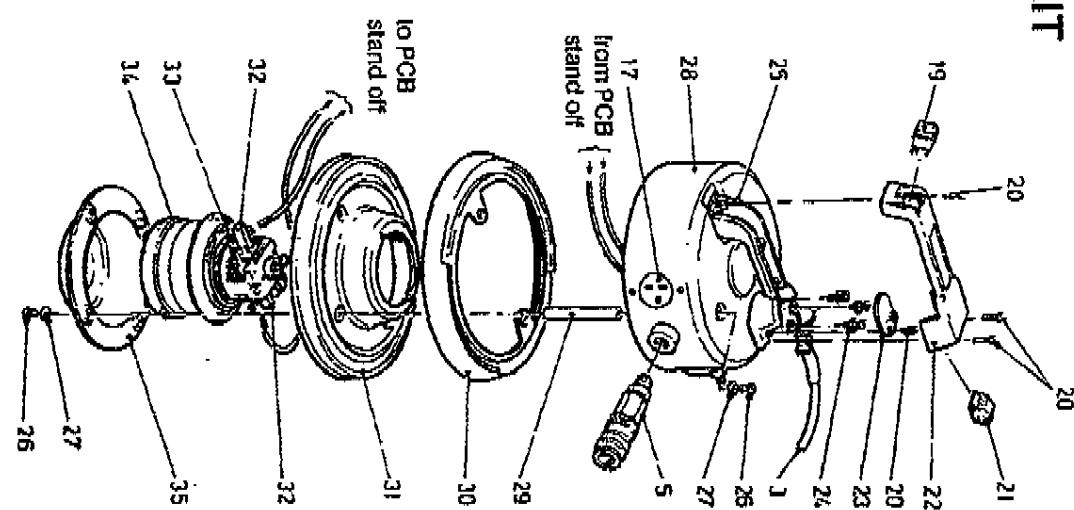


Fig (2)

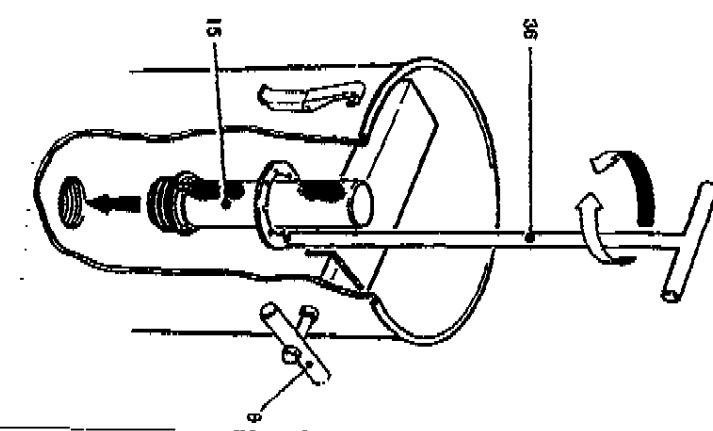


Fig (3)

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1) Motor Complete (34):

Loosen the motor complete (34) in the motor housing (bottom) (35). Remove the motor housing (top) (31) and the buffer ring (30). Align the two pillar washers (29) in the motor housing (top) (31).

RE: 1) Use only the two of the four pillar washers (29) that can be unscrewed and removed from the cover complete (28).

- 2) Screws MUST be tightened in opposite pairs to ensure proper alignment.

Loosen the two pillar washers (29) in position, one at a time, over the bearing housing (top) (30) and secure with two screws (26) and washers (25) into the other two pillar washers (29).

Re-tighten the PCB stand OFF to the motor complete (34).

Place the two screws (26) and washers (27) BUT DO NOT tighten. Re-tighten the cover complete (28) with one hand and with the other turn the head assembly so that it is seated on the handle complete (1).

Re-tighten the two screws (26) and washers (27) into the other two pillar washers (29).

Proper alignment has been achieved, hand tighten all the screws in both pairs.

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
1	-	Handle Complete	1	53722	"V" - Connector	Optional Accessories	1
2	-	Hose Coupling (Milline)	1	53862	Hose Assembly		
3	-	Mains Cable Complete (240V a.c.)	1	120782	Hose without fittings (5m length)		
4	-	UK Plug, Bim (length supplied)	1				
5	-	Main's Cable Complete (220V a.c., Euro 2 pin, straight supplied)	1				
6	-	Mains Cable Complete (110V a.c., UK, No plug)	1				
7	-	Exhaust Diffuser	1				
8	-	Hose Coupling (Mill)	1				
9	-	Tool Hose	1				
10	-	Primary Filter (Filter Ring & Cloth)	1				
11	-	Ratchet Handle Complete	1				
12	-	Filler Drum (Grey)	1				
13	53882	Cone (Grey)	1				
14	-	Dust Bag Securing Strap	1				
15	-	Vacuum Inlet Connector	1				
16	53762	Sinter Filters	1				
17	-	Trolley	1				
18	-	Socket (240V a.c. - UK)	1				
19	-	Head Complete	1				
20	-	Automatic/Manual Start/stop - Switch (Marked A-N)	1				
21	-	Screw (No.6 x 3/8" in)	1				
22	-	Mains Switch (Marked G-I)	1				
23	-	Handle Cover	1				
24	-	Mains Cable Clamp	1				
25	-	Screw (M4 x 8mm long)	1				
26	-	Handle Body	1				
27	-	Screw (M5 x 10mm long)	1				
28	-	Washer	6				
29	-	Cover Complete	1				
30	-	Filter Spacer	1				
31	-	Buffer Ring	1				
32	54272	Motor Housing (top)	1				
33	54282	Carbon Brush (110V a.c.)	2				
34	441883	Screw	2				
35	-	Motor Direct Air Flow Complete	1				
36	54292	(240V a.c.)	1				
37	-	Motor Direct Air Flow Complete (110V a.c.)	1				
38	-	Motor Housing (bottom)	1				
39	-	Sinter Filter Spanner (supplied)	1				

## Service Instructions/Parts List

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- \* Indicates normal replacement items. It is recommended that adequate stocks are held for servicing requirements.
- Always quote stock number, serial number and spare part number when ordering spares.

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# Operating/Servicing Instructions

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## EQUIPMENT'S

### Vacuum Supply

The dust extraction unit consists of a single phase motor, operated on 50/60Hz. The remaining current (a.c.) power supply with a frequency of 50/60Hz.

The dust extraction unit is available in three different voltages as follows:-

No.	Description	Voltage (V.a.c.)	Switchable For
92	Dust Extraction Unit Complete	240	UK
02	Dust Extraction Unit Complete	220	Euro
32	Dust Extraction Unit Complete	110	UK

or Power  
Flow Rate  
Flow Rate to Power Tool  
Ind Level

1 kPa  
250mm Water Gauge  
43.5 l/s  
30.4 l/s  
73dB (A)

**FITTING**  
  
 Ensure that the power supply is OFF and the dust extraction unit is disconnected from the power supply before cleaning or assembling or making any connections or disconnecting any wiring on the unit.  
  
**EBRATION (See Fig (1) & Fig (2))**  
  
 Connect the BLUE wire to the LINE conductor terminal marked with a letter 'L' or a symbol '+'.  
  
 Connect the BROWN wire to the EARTH conductor terminal marked with a letter 'E' or a symbol '-'.

Connect the YELLOW/GREEN wire to the EARTH conductor terminal marked with a letter 'W' or a symbol '£'.

DO NOT pull on the mains supply cable (3) or the extractor hose (1) when wheeling the dust extraction unit.

**SIMC OFF THE DUST EXTRACTION UNIT WHEN NOT IN USE AND DISCONNECT FROM THE MAINS POWER SUPPLY.**

The Syntax Filters (5) MUST be removed and replaced using the Syntax Filter Spanner (34) (See Fig (3)).

Care MUST be taken when fastening the 'Fastening Clips' as they could be very dangerous if fingers or flesh are caught between the clips (see Fig (1)).

## MOTOR SETTING UP

Before using the dust extraction unit carry out the following:-

Screw the extractor hose (1) onto the vacuum inlet connector (4). Attach the plastic dust collecting bag (2) to the cone (10) and secure with the dust bag securing strap (13).

- For the pneumatic tool; fit the two hose couplings (2) and (5) onto the head complete (18).

**NOTE:-** The hose-couplings (2) and (5) are not supplied. Appropriate couplers should be selected from the Desoutter Air Line Service Equipment Catalogue.

- Connect the air line to the hose coupling (2) and the pneumatic tool to hose coupling (5) (see Fig (1)).

**NOTE:-** The Air Line is not supplied. Appropriate Air Line should be selected from the Desoutter Air Line Service Equipment Catalogue.

- For the electrical tool, plug the electrical tool into the socket (17).

**NOTE:-** No plug is fitted on the I.C.O.V.a.c. Dust Extraction Unit Complete. Fit the appropriate plug with a 13 A fuse as follows:-

- Connect the YELLOW/GREEN wire to the EARTH conductor terminal marked with a letter 'L' or a symbol '+'.

Connect the BLUE wire to the NEUTRAL conductor terminal marked with a letter 'W' or a symbol '-'.

Connect the BROWN wire to the LINE conductor terminal marked with a letter 'E' or a symbol '-'.

**NOTE:-** This air hose (3) is not supplied. Appropriate air hoses should be selected from the Desoutter Air Line Service Equipment Catalogue.

- Place the exhaust diffuser (4) onto the air outlet neck (see Fig (1)).

**NOTE:-** The air hose (3) is not supplied. Appropriate air hoses should be selected from the Desoutter Air Line Service Equipment Catalogue.

- Place the other end of the extractor hose (1) onto the tool.

**NOTE:-** The air hose (3) is not supplied. Appropriate air hoses should be selected from the Desoutter Air Line Service Equipment Catalogue.

- Place the head complete on the handle complete (1). Unscrew and remove the four screws (26) and washers (27).

**TO DISMANTLE (see Fig (2))**

**FILTER MAINTENANCE (see Fig (1))**

The dust extraction unit complete is now ready for use.

- At regular intervals, operate the agitator handle (8) at least two full strokes to displace the dust collected in the seven filter filters (15).

Contaminated sintex filters (15) should be rinsed thoroughly in lukewarm water and dried naturally before use or discard and replace with new ones.

The plastic dust collecting bag (12) should be removed, sealed and safely disposed of when full.

**HEAD COMPLETE (4)**

**TO DISMANTLE (see Fig (2))**

**FILTER MAINTENANCE (see Fig (1))**

**NOTE:-** When dealing with electrical cable connections, always mark the cable and corresponding conductor terminals for identification to avoid errors when wiring.

**HEAD COMPLETE (4)**

**TO DISMANTLE (see Fig (2))**

**FILTER MAINTENANCE (see Fig (1))**

**NOTE:-** When dealing with electrical cable connections, always mark the cable and corresponding conductor terminals for identification to avoid errors when wiring.

**HEAD COMPLETE (4)**

**TO DISMANTLE (see Fig (2))**

**FILTER MAINTENANCE (see Fig (1))**

**NOTE:-** When dealing with electrical cable connections, always mark the cable and corresponding conductor terminals for identification to avoid errors when wiring.

**HEAD COMPLETE (4)**

**TO DISMANTLE (see Fig (2))**

**FILTER MAINTENANCE (see Fig (1))**

**NOTE:-** When dealing with electrical cable connections, always mark the cable and corresponding conductor terminals for identification to avoid errors when wiring.

**HEAD COMPLETE (4)**

**TO DISMANTLE (see Fig (2))**

**FILTER MAINTENANCE (see Fig (1))**

**NOTE:-** When the tool is operated and stops within approximately 13 seconds and 15 seconds after the tool has been stopped.

"A" - position for Manual start/stop. The vacuum starts as soon as the switch is in the "A" position and continues running until switched off by selecting the "A" - position.

"M" - position for Manual start/stop. The vacuum starts as soon as the switch is in the "M" position and continues running until switched off by selecting the "A" - position.