

HAND DRYER

SERVICE MANUAL

MACHFLOW-UL



COVER SPECIFICATION

M09A
M09AC
M09ACS

STEEL WHITE EPOXY
STAINLESS STEEL BRIGHT FINISH
STAINLESS STEEL SATIN FINISH

MACHFLOW -UL: High speed airflow with minimum energy consumption

- *High speed motor, adjustable from 450 to 1300 W.*
- *Maximum air velocity: 203 mph.*
- *250 W heating element.*
- *Electronic infrared detection sensor; adjustable from 2" to 8".*

MAINTENANCE

- *This file contains the instructions and images that describe the replacement of the components of this hand dryer.*
- *Consult security instructions before using the equipment.*

SECURITY INSTRUCTIONS

- *All installations, maintenance, and repairs must be carried out by qualified technician.*

Saniflow advises:

- 1. Become familiar with the appliance and read the instructions carefully before use.*
- 2. Disconnect the appliance before carrying out maintenance or repair.*
- 3. To ensure safe operation, follow the indications given in this manual.*

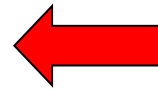
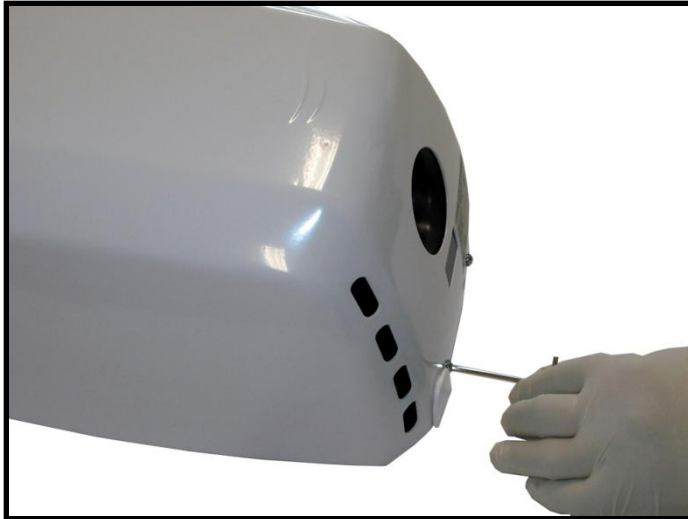
*Welcome to the inside world of MACHFLOW-UL, we will show you **how to change** the main components of the hand dryer:*

- | | |
|---|-------------------|
| <i>1.- The cover</i> | <i>Page 6</i> |
| <i>2.- The motor</i> | <i>Page 7-10</i> |
| <i>3.- How to adjust the airflow & distance detection</i> | <i>Page 11</i> |
| <i>4.- The electronic board</i> | <i>Page 12-15</i> |
| <i>5.- The heating element</i> | <i>Page 16</i> |
| <i>4.- General maintenance</i> | <i>Page 17</i> |

! *Please first at all do not forget*

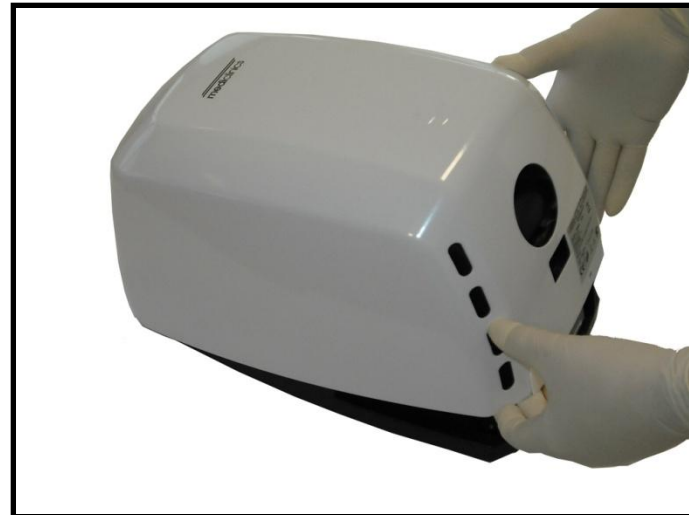
***TO DISCONNECT THE HAND DRYER FROM THE
CURRENT SUPPLY !***

To remove the cover:



Step 1: Unscrew the screws from the cover (2 units) with The Machflow security key supplied.

Step 2: Carefully, remove the cover from the base. Pay attention not to damage the led sensors.



Universal brush motor (18.000-26.000 r.p.m)

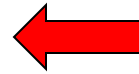
- *Minimum energy consumption.*

- *Ultra-fast drying time.*

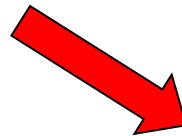
- *Minimum CO₂ emissions.*

- *Minimum noise pollution.*

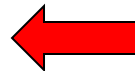
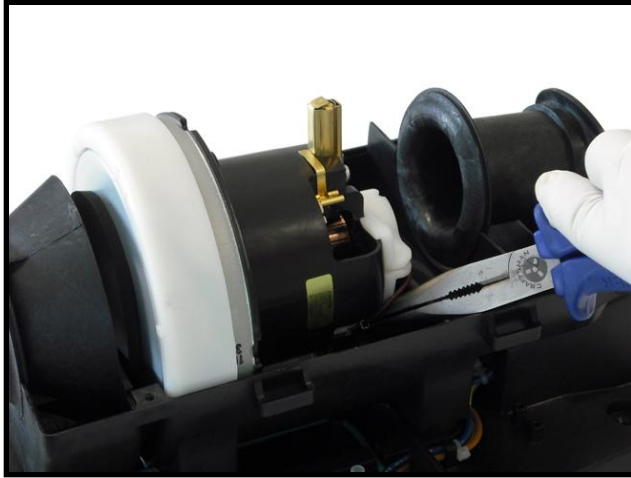
To remove the motor:



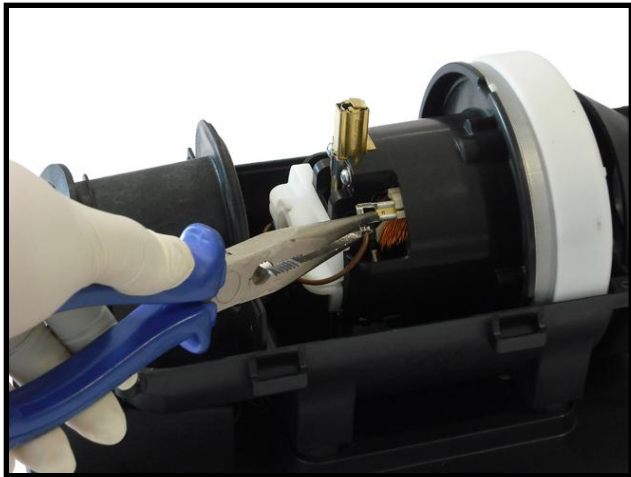
Step 1: With the support of a screwdriver, remove 4 screws from the upper nozzle.

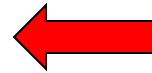


Step 2: Take out the upper nozzle (if the nozzle is extremely fixed, it's suitable to use a plain screwdriver to make this step easier, but taking care not to damage the plastic pieces).



Step 3: Once we clearly see the motor, disconnect 2 motor cables (it's recommended to use pliers).





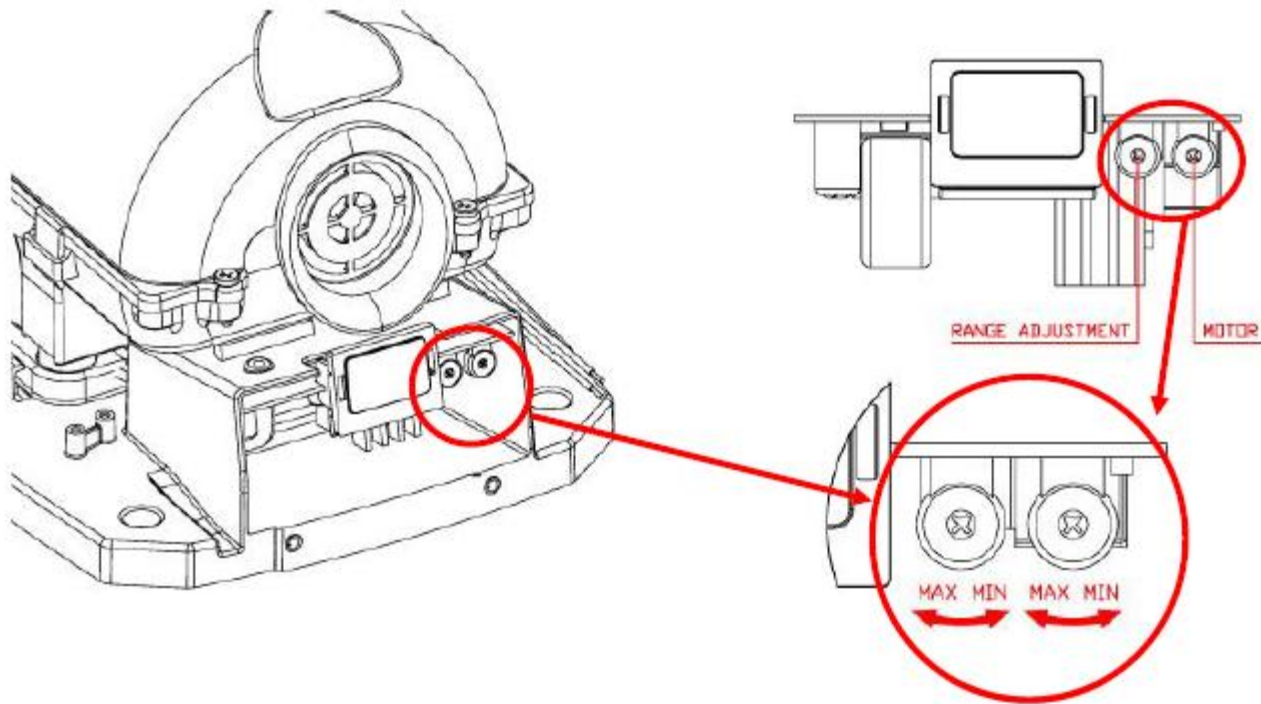
Step 4: Take out the motor for its replacement.

Step 5: To install a new motor, follow the above steps in the other way around.



How to adjust the airflow & distance detection “on-site”

The adjustment can be made by moving the respective cursors of the two linear potentiometers as shown in this figure



Electronic board (P.C.B Board)

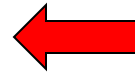
- *Allow adjustment distance detection.*

- *Allow adjustment motor power (rpm)*

mediclinics

The Machflow is assembled with the motor potentiometer set at maximum in both “distance detection” and “motor rpm”.

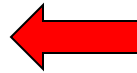
To remove the electronic board:



Step 1: Unscrew the supply cables of the electronic plate.

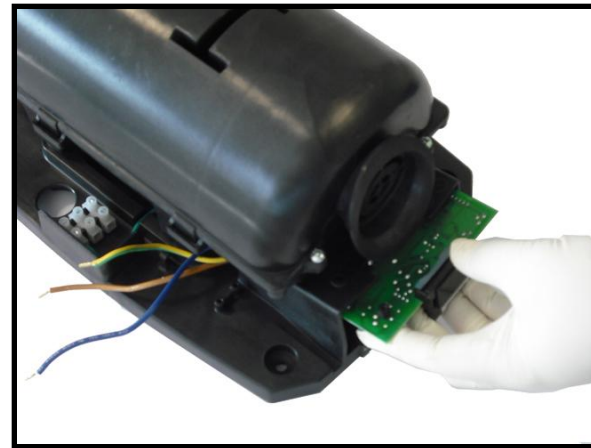
Step 2: With the support of pliers, take out the bridles that hold the cables to the base.

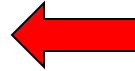




Step 3: With a plane screwdriver, take out the Nylon screw that fixes the electronic plate to the base.

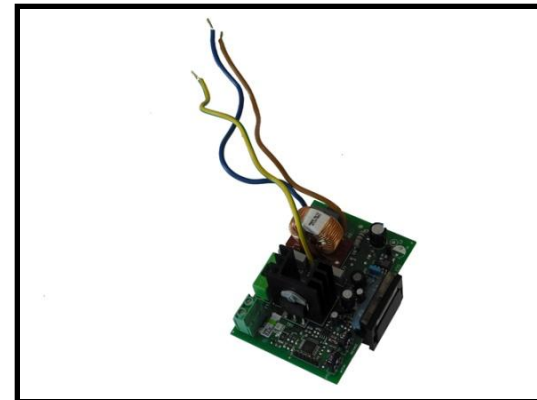
Step 4: Carefully remove the electronic plate, paying attention not to damage the cables.





Step 5: Once the electronic place is out of its housing, unscrew the motor cables (2) connected to the equipment wiring.

Step 6: To install a new electronic plate, follow the above steps in the other way around.



Heating element



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GENERAL MAINTENANCE

Preventative Maintenance - Cleaning

Inspect units annually or bi-annually, depending on the working load of the dryer.

Clean the active parts of the unit, like the motor, the heating element, the fan wheel and the electronic board, with a small soft brush. The infrared sensor should be cleaned with a cloth dampened in alcohol.

Keep all air passages unblocked, free of dust and build-up by cleaning with a small soft brush.

Corrective Maintenance - Spare Parts

All the spare parts mentioned are available on request.