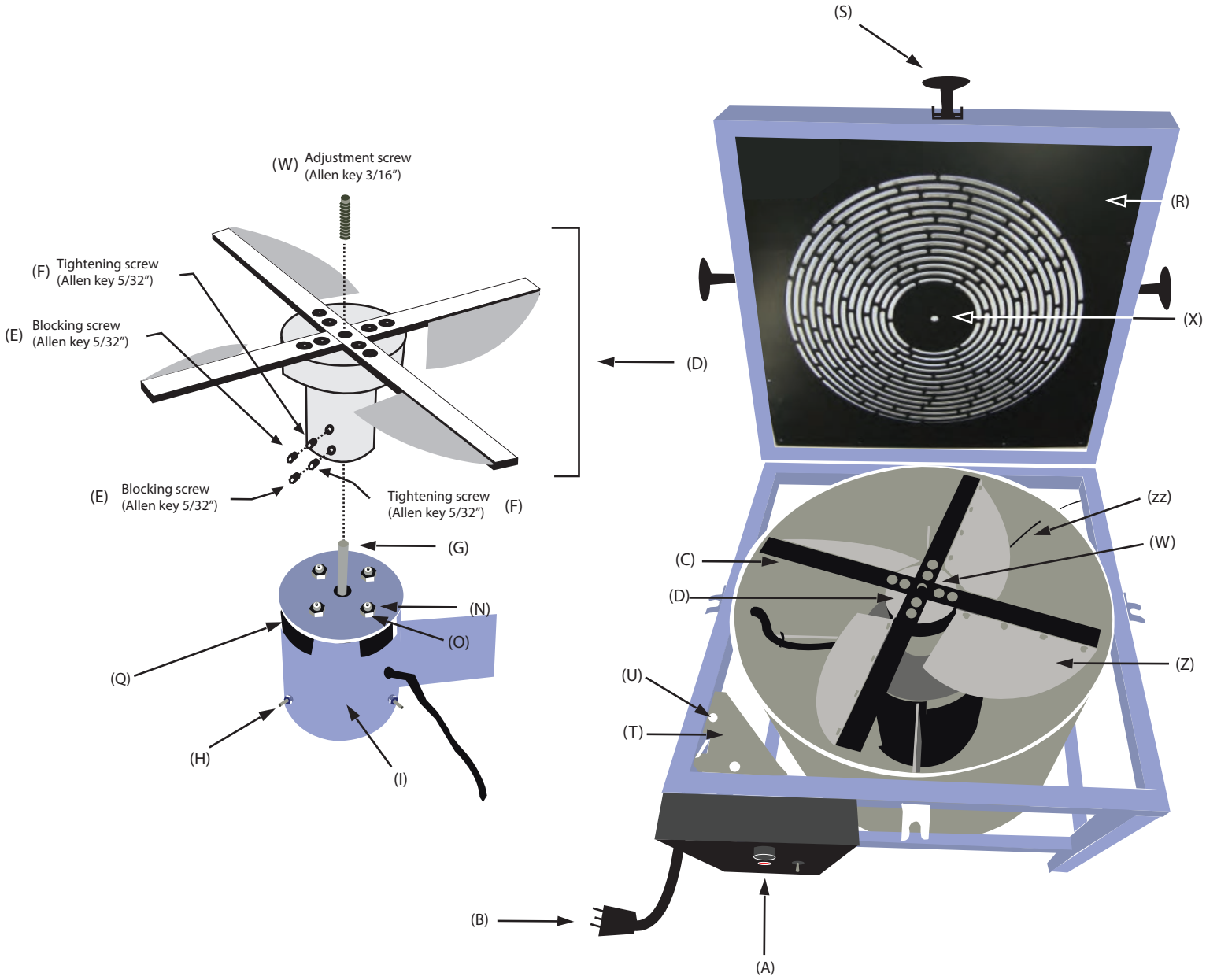
TRIMPRO® AUTOMATIK

MOTOR REPLACEMENT : STEP BY STEP



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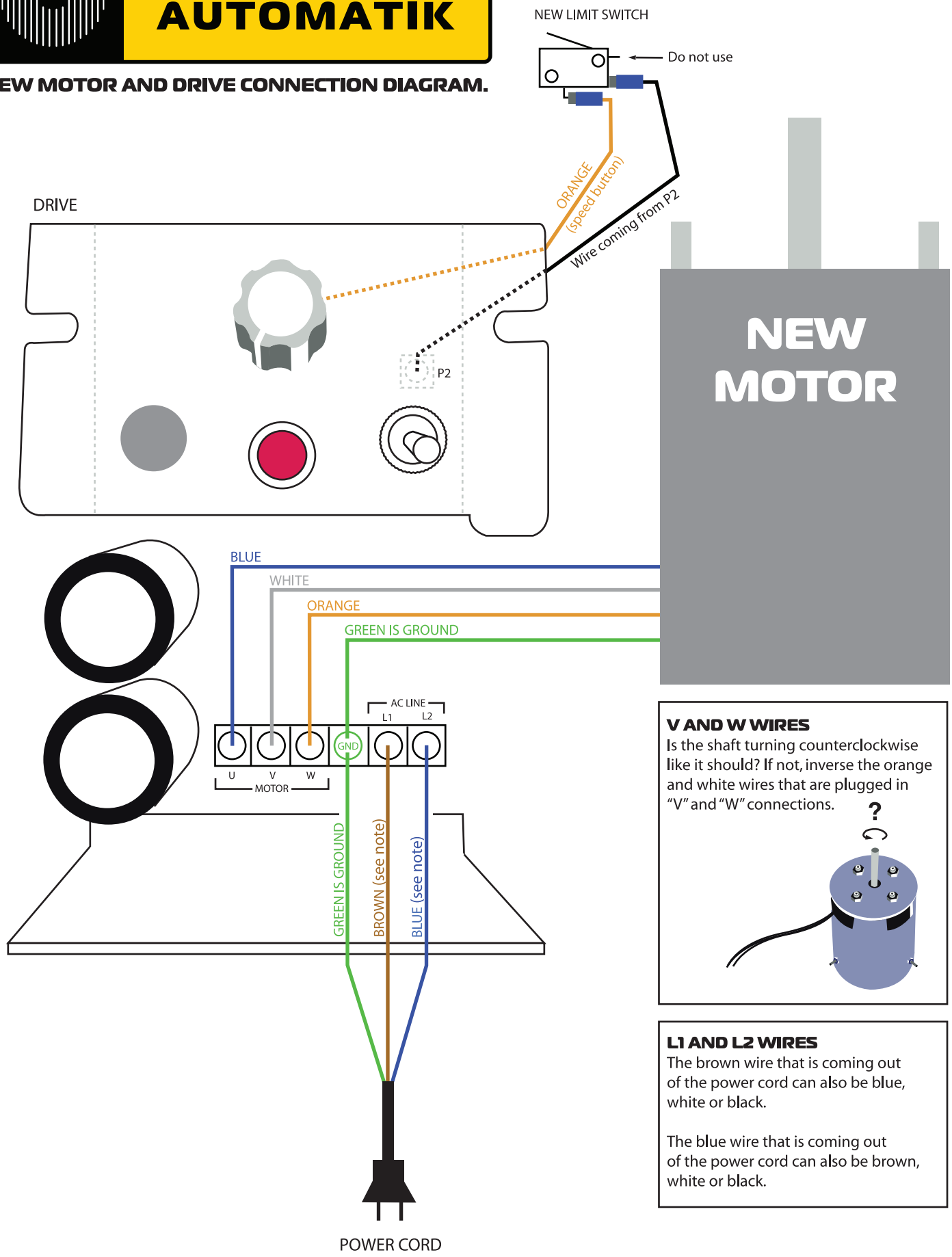
NEW MOTOR AND DRIVE CONNECTION DIAGRAM.



V AND W WIRES

Is the shaft turning counterclockwise like it should? If not, inverse the orange and white wires that are plugged in "V" and "W" connections.

L1 AND L2 WIRES

The brown wire that is coming out of the power cord can also be blue, white or black.

The blue wire that is coming out of the power cord can also be brown, white or black.

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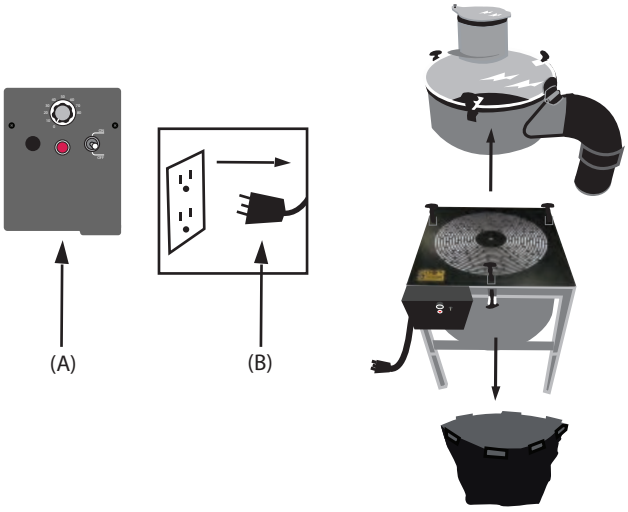
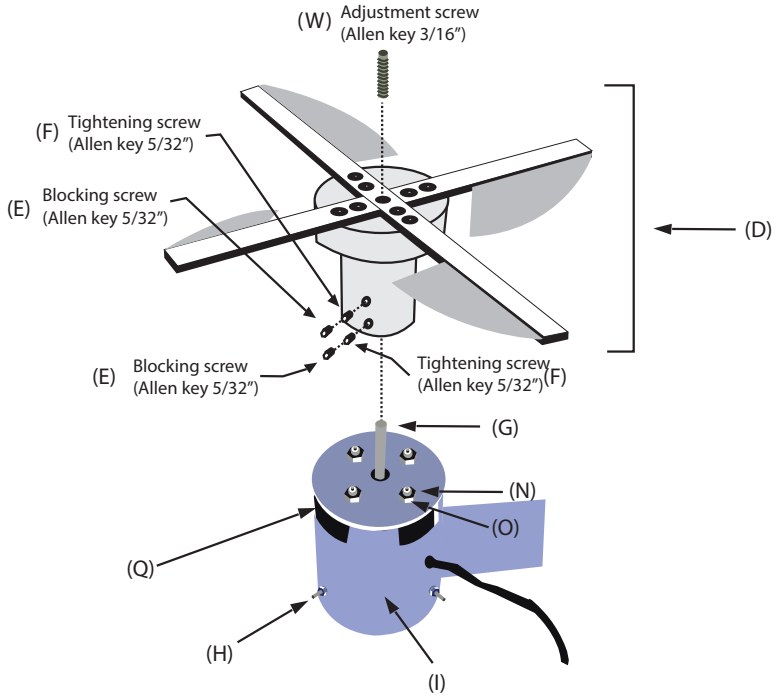
MOTOR REPLACEMENT : STEP BY STEP

1



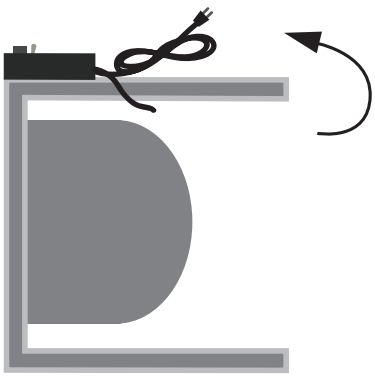
Turn off the machine with the ON-OFF switch (A) on the control panel and unplug the power cord (B) from the electrical outlet. Remove the bag using the Velcro strips on top of it and remove the circular aluminium & plastic structure using the rubber fasteners.

2

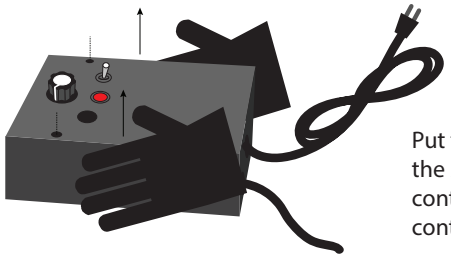


Remove the blade assembly (blade + tubular structure under it) (D). To achieve it, remove the 2 blocking screws (E) from the blade-hub and unscrew the 2 tightening screws (F). To remove the whole blade and blade-hub, raise it from the motor shaft.

3.1



3.2



Put the machine on it's back (fig.3.1), remove the 2 screws from the front panel of the control box and remove the front plate of the control box like on fig. 3.2.

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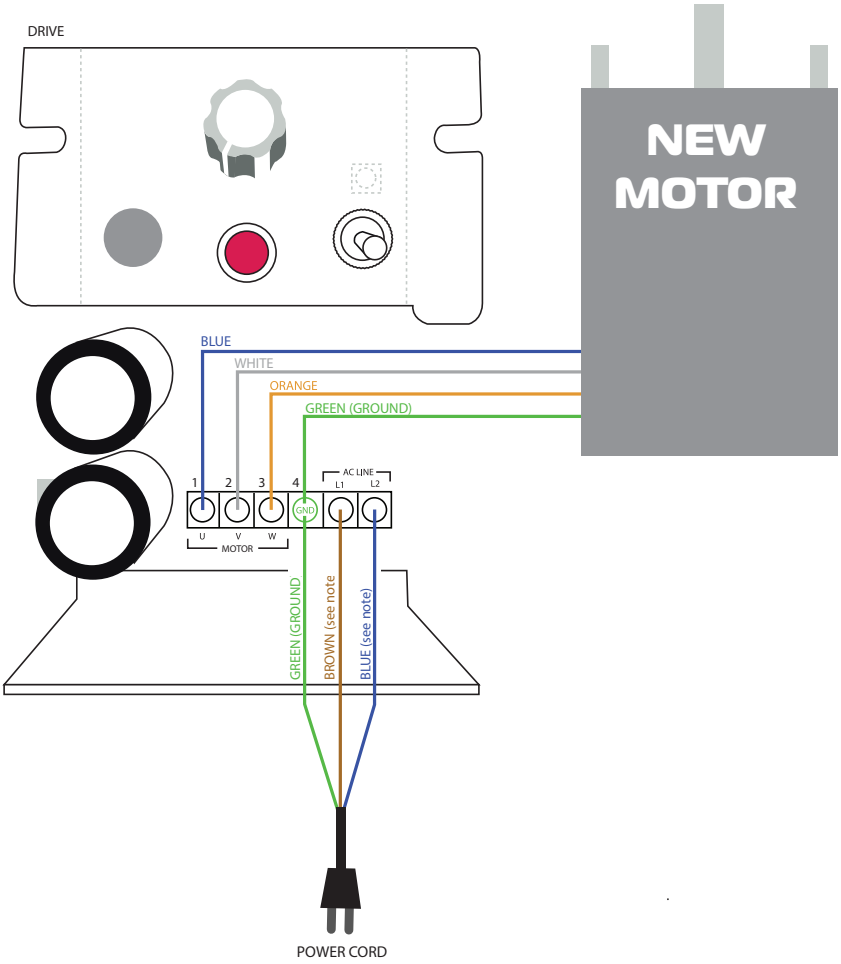
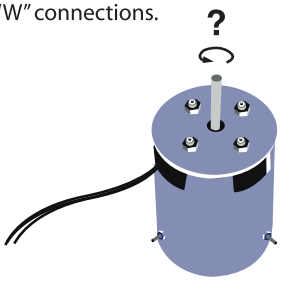
MOTOR REPLACEMENT : STEP BY STEP

4.1



V AND W WIRES

Is the shaft turning counterclockwise like it should? If not, inverse the orange and white wires that are plugged in "V" and "W" connections.

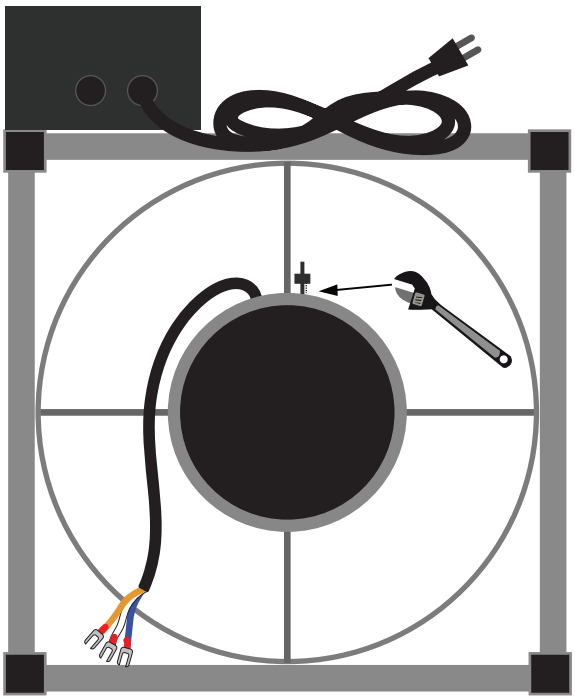


L1 AND L2 WIRES

The brown wire that is coming out of the power cord can also be blue, white or black.

The blue wire that is coming out of the power cord can also be brown, white or black.

4.2



If you refer to the drive connection diagram on fig. 4.1, you have 6 six wires at the bottom. The 4 wires starting from the left (1,2,3,4) needs to be unscrewed (you don't need to remove the screw completely, just enough to be able to remove the wire) and pulled out from the control box. You then have to pull those same wires into the inside frame like on figure 4.2.

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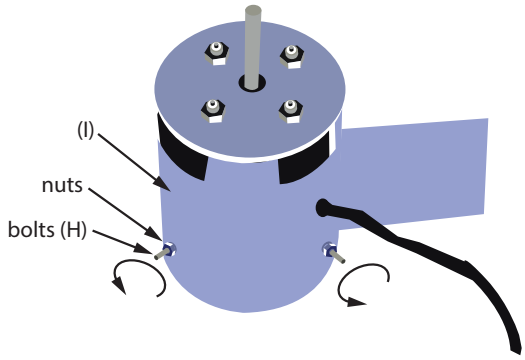
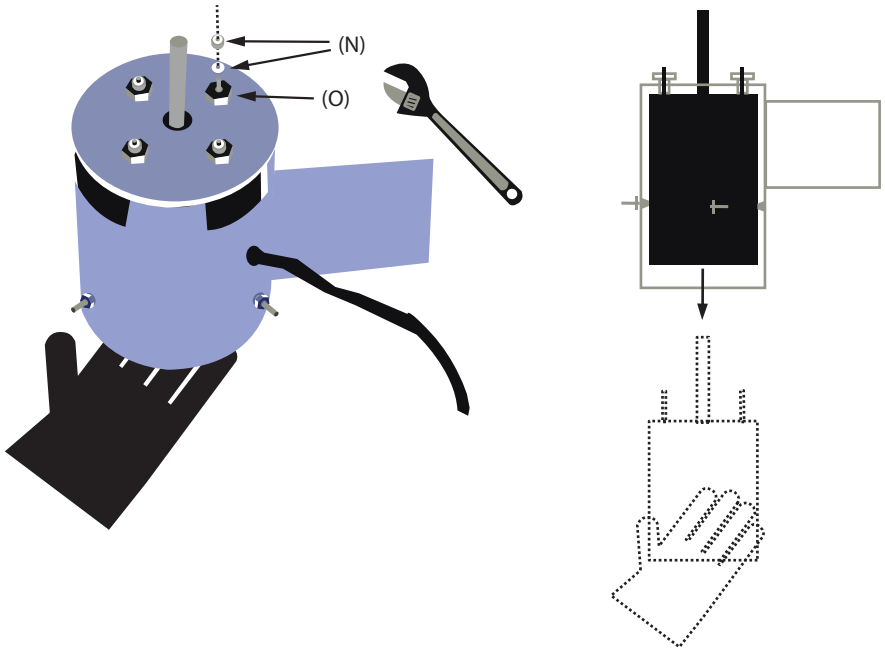
MOTOR REPLACEMENT : STEP BY STEP

5



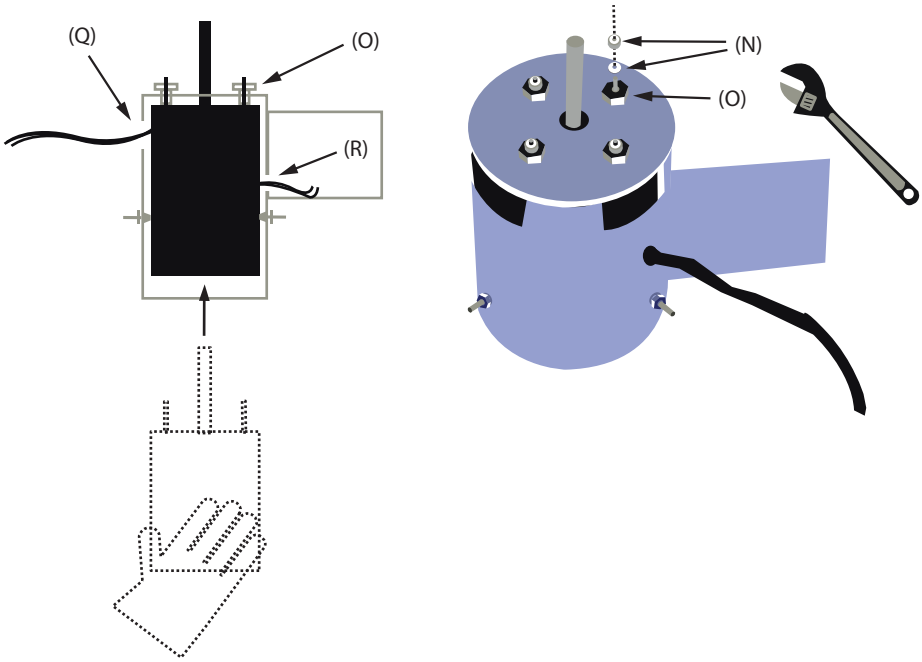
Unscrew the 3 nuts and then the 3 bolts (H) on the side of the structure which hold the motor (later referred as the motor-hub) (I).

6



Hold the motor base (under the motor-hub) and remove the 4 nuts and 4 lock washers (N) that are fixed to the motor rods. Try not to move the bigger drilled hexagonal bolt (O), that way, you might be avoid the recalibration of the blade later on. Remove the motor.

7



Install the new motor placing the wires on the opening situated on the side of the motor-hub (Q).
Place the motor rods inside the drilled bolts (O) (like the old motor).
To fix the motor, push it up to the maximum in the motor-hub structure and then reinstall by tightening the 4 nuts and 4 lock washers (N) on top of the motor-hub.
Once again, do your best to make sure the bigger hexagonal bolts (O) do not move to avoid the blade recalibration.

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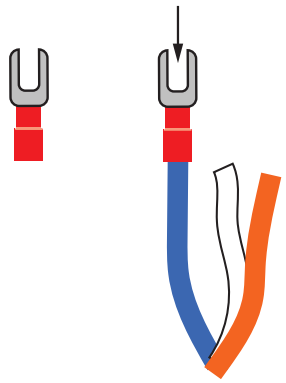
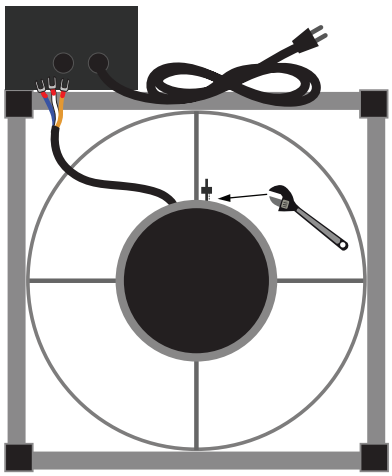
MOTOR REPLACEMENT : STEP BY STEP

8



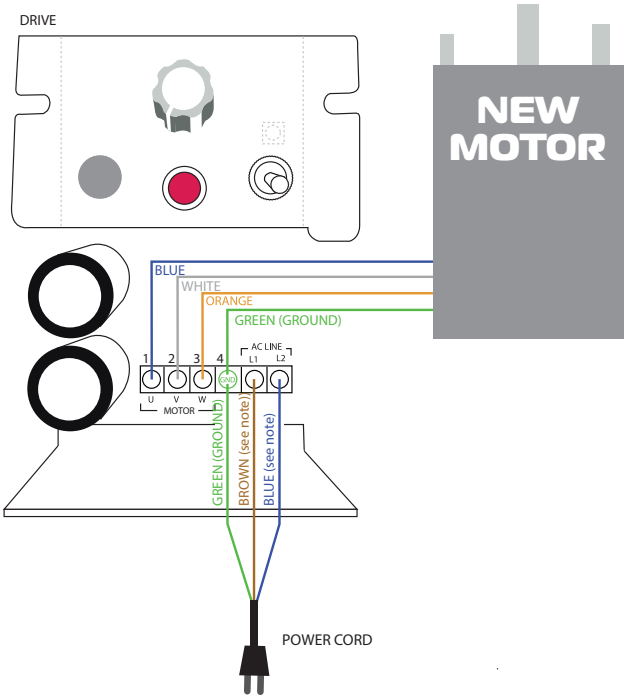
Install the connectors provided with the motor at the end of each wires coming out of the replacement motor. Take some plyers to make sure the connectors are fixed at the end of each wire.

9.1

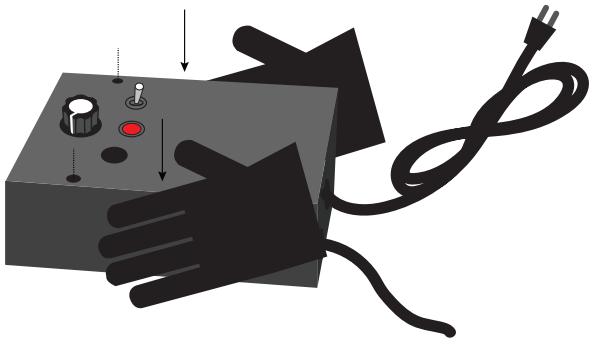


Pass the wires back inside the control panel (fig. 9.1) and install them according to the drive connection diagram (fig 9.2).

9.2

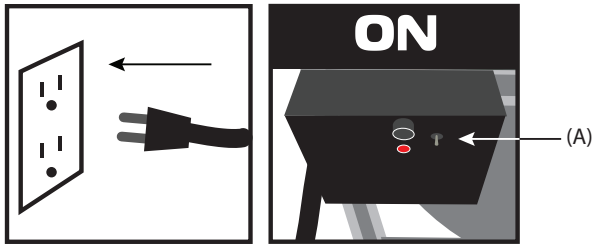


10



Reinstall the front panel on the drive control panel and put the 2 screws back in.

11



Plug the machine on the electrical on the electrical outlet and switch ON the machine with the ON-OFF switch (A).

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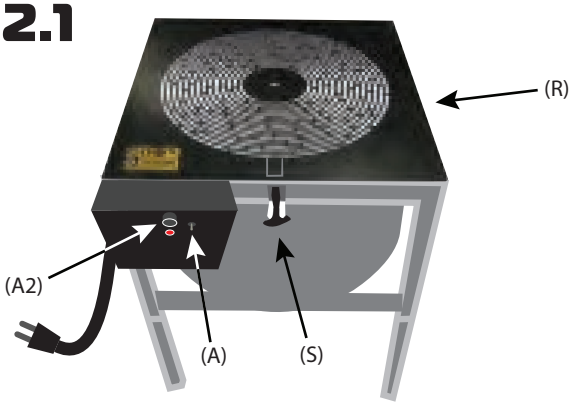
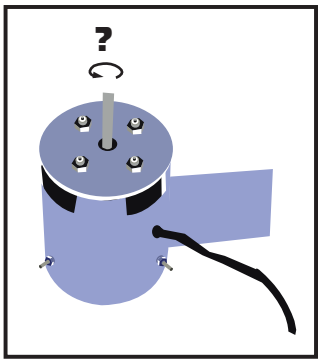
MOTOR REPLACEMENT : STEP BY STEP

12.1

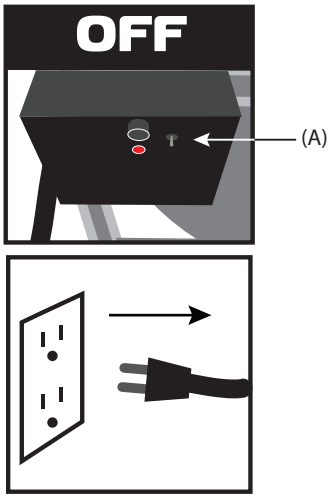


Close the lid of the machine (R) using the rubber fasteners (S), raise the speed a bit using the speed adjustment knob on the control panel (A2) and check if the electricity arrives to the motor (if the motor shaft is turning). If everything works correctly, turn OFF the machine with the On-Off switch (A) and unplug the machine from the electrical outlet.
If the motor is not turning, contact us.

12.2 Is the motor turning?



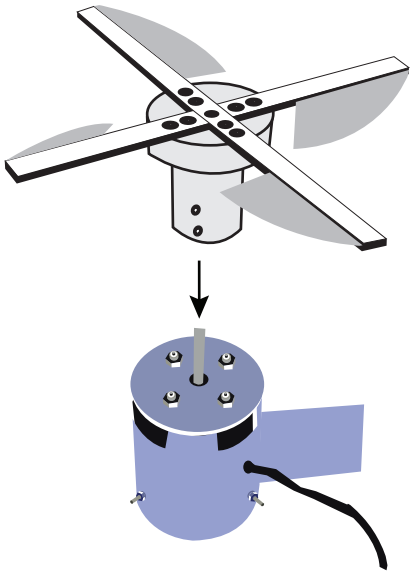
YES



NO

info@trimpro.com
1 (844) TRI-MPRO

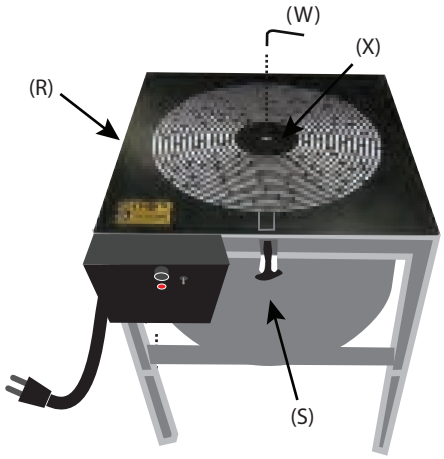
13



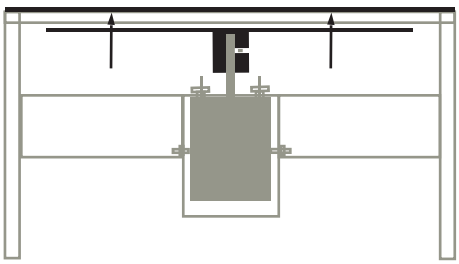
Reinstall the blade assembly on the machine in one piece without tightening the tightening screw.

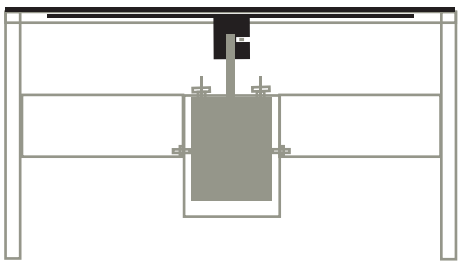
Close the machine's lid (R) using the rubber fasteners (S) (check if the frame that holds the grate is closed evenly over all its surface) and place the blade to its higher position close to the grate (making sure it is not touching the grate) using the height adjustment screw on the center of the blade (W). A hole on the center of the grate (X) gives access to this adjustment screw even when the grate is closed. To raise the blade, use the 3/16" Allen key supplied with the machine and turn clockwise.

14.1 Close the lid and access to the height adjustment screw



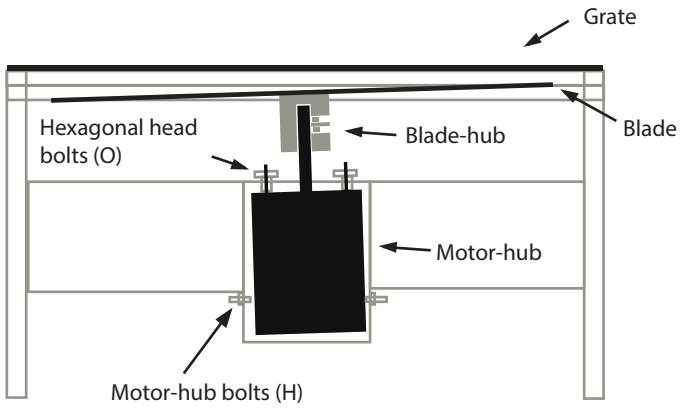
14.2 Place the blade at its highest position (without touching the grate)





MOTOR REPLACEMENT : STEP BY STEP

15



Check if the blade is at equal distance to the grate from each of its extremities (Y1 & Y2).

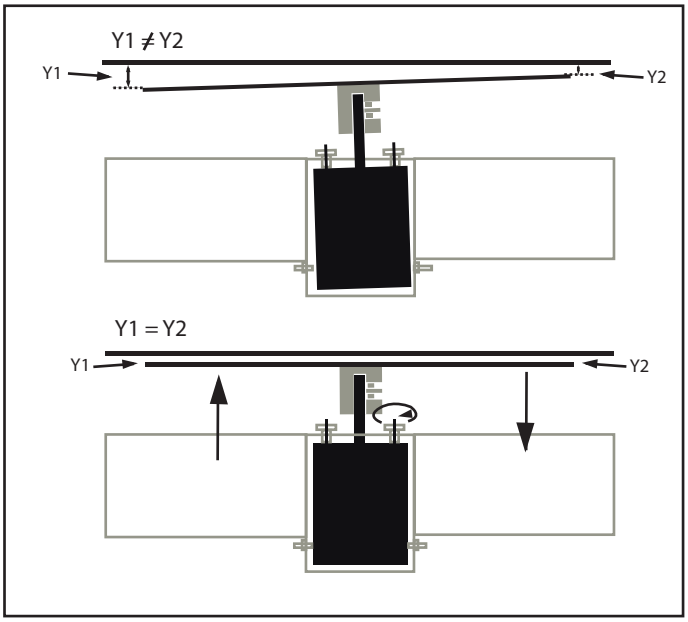
If YES, tighten the 3 bolts (H) on the side of the motor-hub until they touch the motor. These bolts should not, however, exert a big pressure on the motor. Tighten the nuts that are on the bolts.

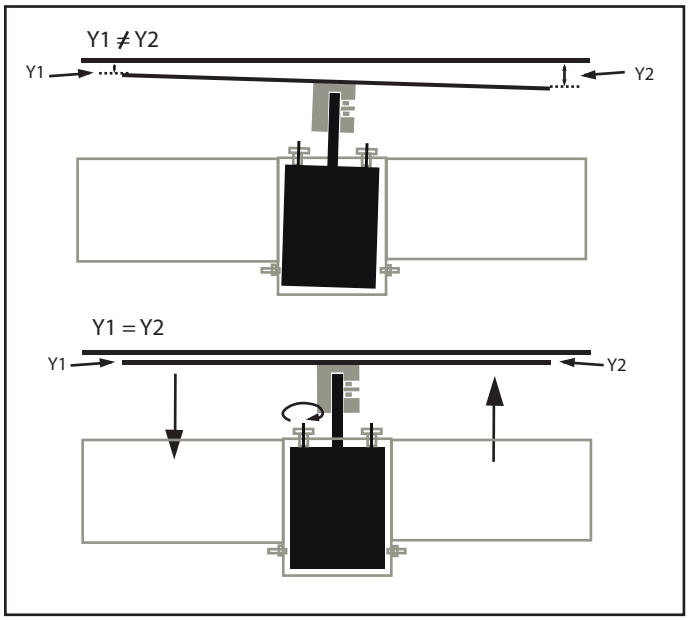
If NOT, use the four hexagonal head bolts (O) on the top of the motor-hub to level out the distance between the blade and the grate (Y1 & Y2). To raise one side of the blade, turn clockwise the bolt opposite to the side of the blade to be raised (see diagram opposite).

This leveling has to be done with the blade in two positions: X and Y (see diagram "Levelling in two positions" below) until obtaining a uniform distance between blade and grate.

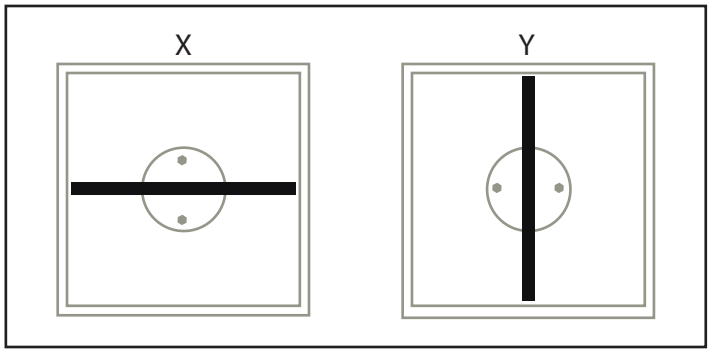
TO RAISE ONE SIDE OF THE BLADE,

TURN CLOCKWISE THE BOLT ON THE OPPOSITE SIDE OF THE SIDE TO BE RAISED.





Levelling in two postions.



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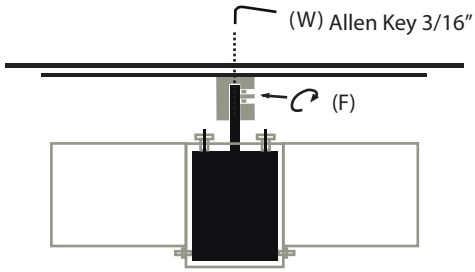
MOTOR REPLACEMENT : STEP BY STEP

16



Once the blade is levelled out in relation to the grate, adjust the definitive height of the blade with the height adjustment screw (W). For security reason, a distance of at least 1/8 of an inch (3mm) between the grate and the blade is recommended. Tighten the tightening screw (F).

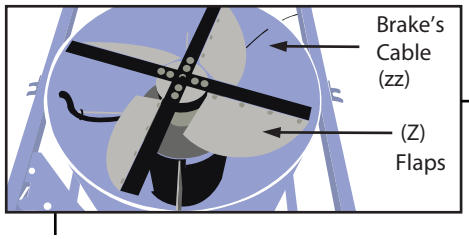
17.1 Plug + ON

Plug the machine to the power outlet, switch ON the machine and make sure the blade never touch the grate or the flaps (Z) never touch the brake's cable (zz) when the machine is running. If everything is OK, reinstall the blocking screw (E).
If the blade rubs against the grate of if it is too far from the grate, loosen the tightening screw (F), adjust the height and tighten the screw. Test the machine again.
If the flaps rub to the brake's cable, change slightly the angle of the flaps, bending them upward manually (see diagram "Side view" below).

* Caution, the flaps are the ones creating the suction of the machine.
  If they are too raised, there will be no more suction.

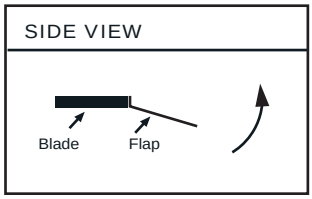
17.2 Close de lid

17.3 Are the flaps rubbing against the brakes's cable?

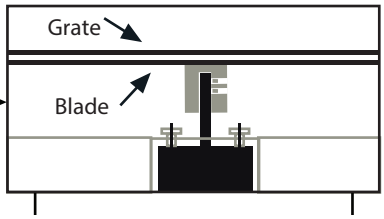


NO

YES Change manually the angle of the flaps if necessary

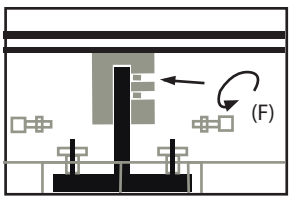


17.4 Is the blade rubbing against the grate?

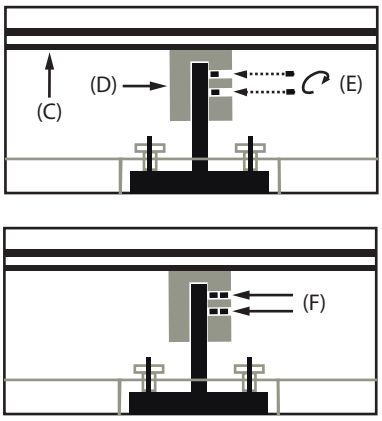


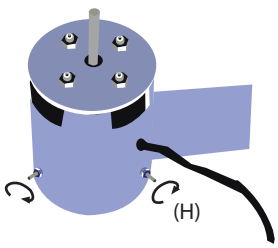
YES Loosen, adjust and tighten

NO Step 18



18





Once the optimal height is achieved, reinstall the blocking screw (E) to fix the blade (C) and the blade-hub (D) (in one piece) over the motor shaft. Tighten smoothly the motor-hub bolts (H) until they touch the surface. **(Beware! Too much pressure on the motor can damage it)**. Tighten the motor-hub nuts. Test again. If everything is OK, you can use the machine.
If not, unscrew the motor-hub nuts and bolts (H) remove the blocking screws (E) and untighten the tightening screws (F) and go back to step 14.