

## Repair Instructions

To replace the motor in TPS 16 - Thermoline Platelet Shaker



To suit: TPS-16 Platelet Shaker

Approvals		
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## Safety Reminder

Replacing this sensor requires the technician to hold a suitable electrical licence.

These instructions do not purport to address all potential safety issues, if any, associated with the product's use. It is the responsibility of the user of these instructions to establish appropriate safety and health practices and determine the applicability of regulatory limitations before use.

Before attempting any of the following, perform the actions listed below:

- Turn OFF power to the machine.
- Unplug the machine.

## Summary

These instructions are for replacing the motor in a TPS-16.

Tools Required	
Screw Driver	Flat head
Allen Key	4mm
Spanner	5/16 <sup>th</sup> ring spanner

Kit Contents		
Item	Description	Quantity
PR1102	Motor to suit TPS-16	1
	Crimp Terminals	2
	BP Connectors	2

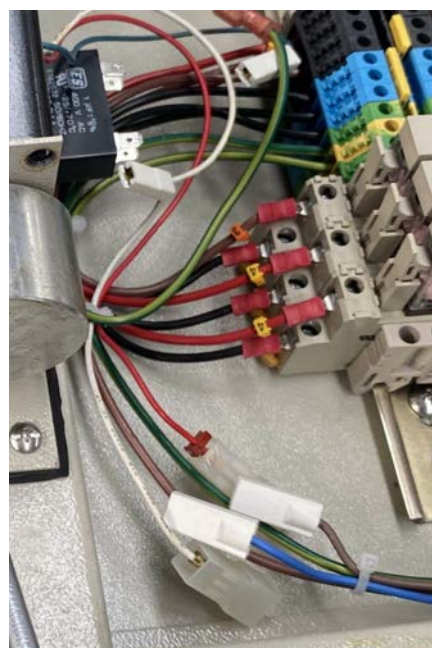
## Section 1: Preparation

To ensure safety, please turn off the power and remove the plug from the outlet.



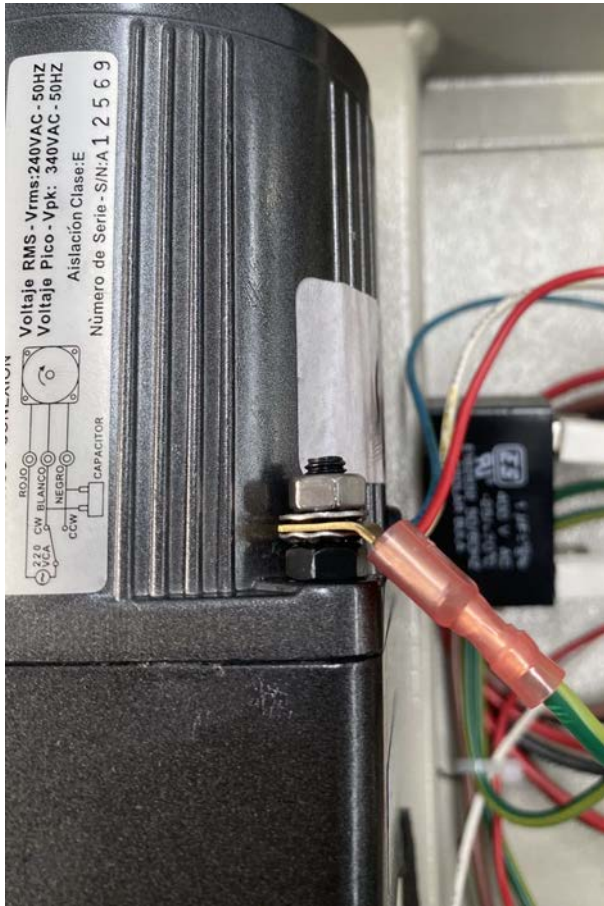
To access the motor, you need to remove the top section of shelves. This section sits on the base plate, which is mounted on rollers. To remove the shelving unit, lift it off the plate and place it aside. After that, you will be able to access the motor.

## Section 2: Remove



Disconnect the wires connecting the motor to the terminal block (at the motor).





Disconnect the earth wire from the motor using an earth wire of similar

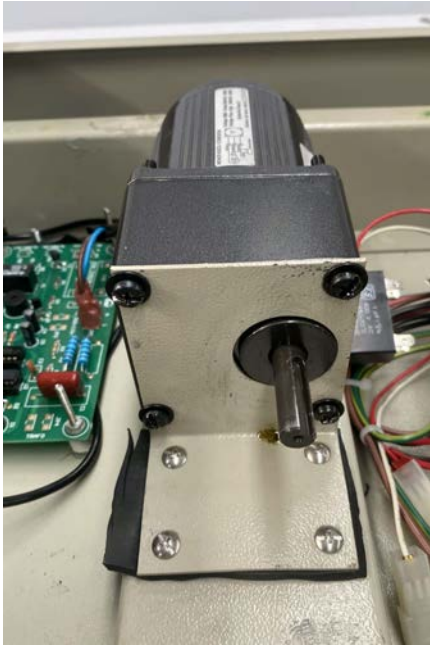




Using a 4mm Allen key remove the screws holding the head of the motor in place.

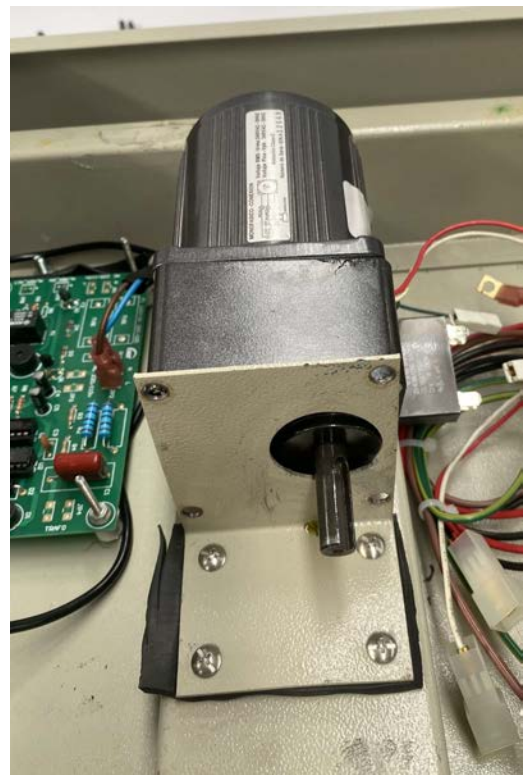


After removing the Allen keys, you can slide the front of the motor off the spindle. If the front of the motor is too tight, you can carefully loosen it by inserting a screwdriver between the front of the motor and the right angle bracket, and then lever it off.



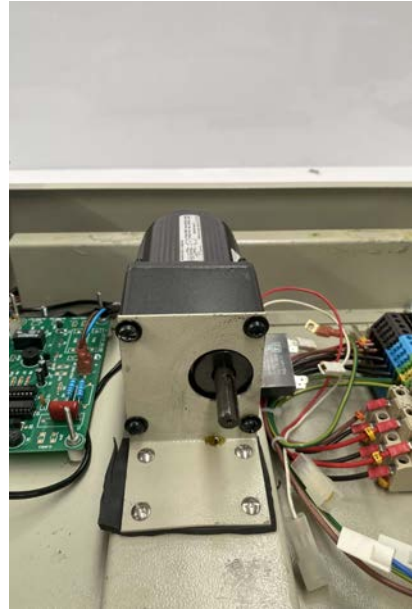
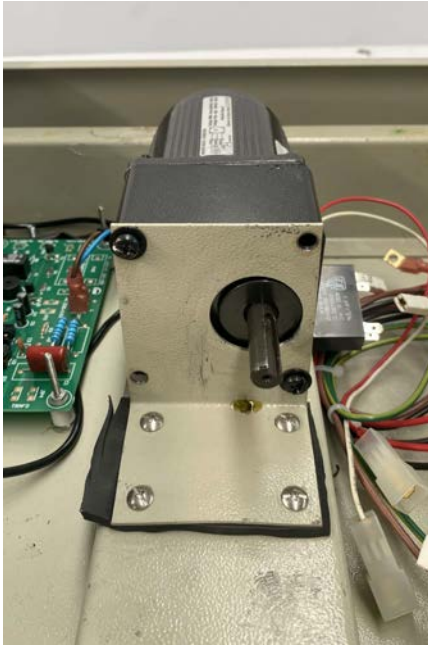
After removing the head of the motor, you can take out the rest of the motor by unscrewing the 4 black screws. Once you remove the screws, the motor will come apart, allowing you to take it out. Then, you can replace it with a new motor.

### Section 3: Installation



Remove the orange cap and the four black screws in the new motor. This will allow you to install the motor against the metal right angled bracket.

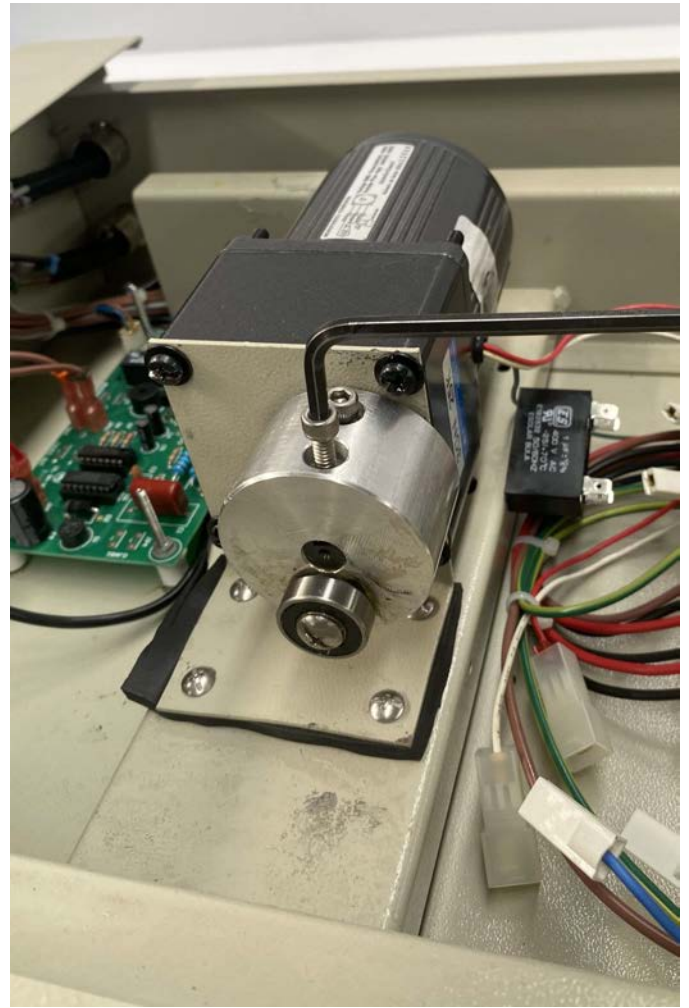




Fix the motor back in place with the four black screws.

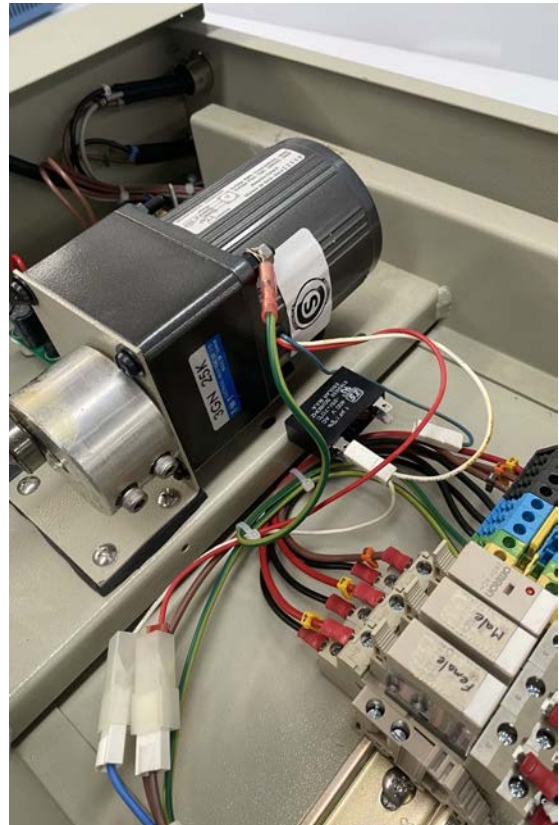


Make sure to slide the front part of the motor over the spindle, ensuring that the keyway of the spindle is facing upwards since this is where the screws will go into.

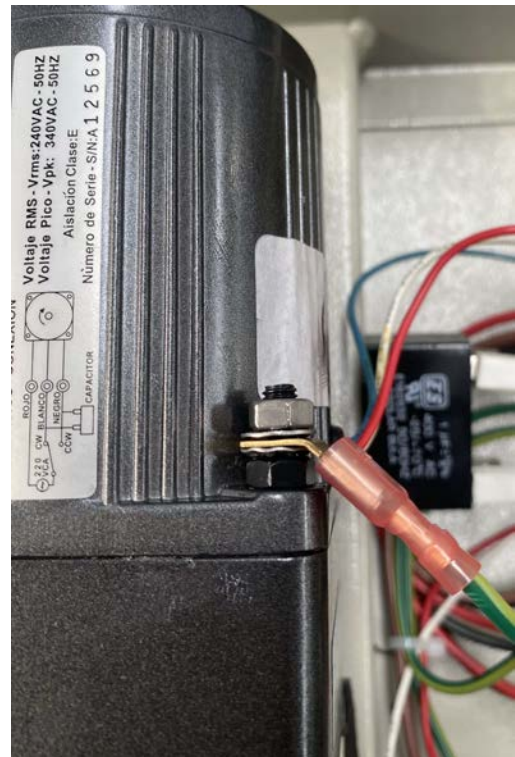


Secure the front of the motor by tightening its screws using a 4mm Allen key.



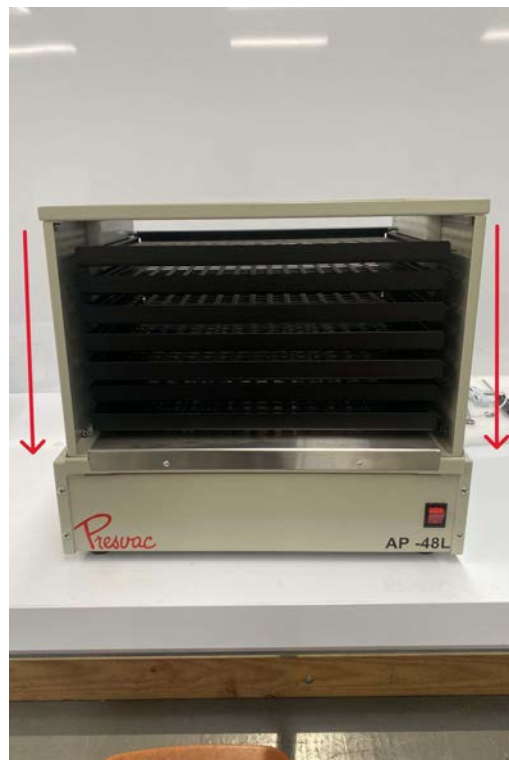
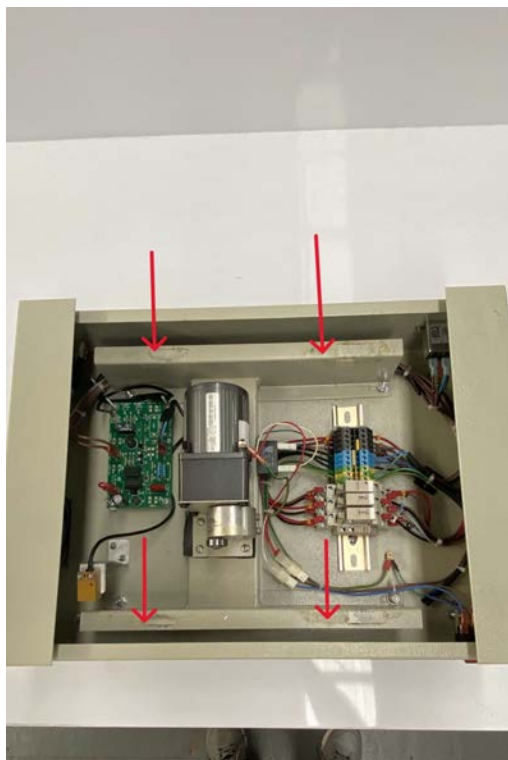


The motor provided to you has wires that are not yet connected. To get it working, you will need to attach crimp connectors to one end of the red and white wires. These wires will then fit into the black electrical block that is located next to the motor. As for the other wires, you will need to add BP connectors so that they can be connected to the black and blue wires.



Reattach the earth wire to the motor and tighten.

## Section 4: Power ON



Lift the top shelving unit and put it back onto the base of the platelet shaker. Be sure to ensure that the white wheels of the shelving unit sit on rails in the base.

Plug the platelet shaker back into the power outlet and turn it on to ensure it operates correctly.

## Section 5: Support and Contact

Repair and Support is available over the telephone Monday through Thursday from 8:30am to 4pm and Friday 8:30am to 2pm. Please contact [service@thermoline.com.au](mailto:service@thermoline.com.au) for email technical support.

You can also visit our website at [www.thermoline.com.au](http://www.thermoline.com.au) for access to additional useful troubleshooting guides, operating manuals, and technical information.

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