


## BLOWER MOTOR MODULE REPLACEMENT INSTRUCTIONS FOR QV/WQ SERIES

### Introduction

This document shows step-by-step instructions that will assist in the removal and replacement of the Blower Motor Module for QV and WQ Series.


### Warnings

	Warnings in this document are identified by a warning triangle printed against a gray background. Keywords at the start of the warning indicate the type and seriousness of the ensuing risk if measures to prevent the risk are not taken.
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The following keywords are defined and can be used in this document:


- **DANGER** indicates a situation that, if not avoided, will result in death or serious injury.
- **WARNING** indicates a situation that, if not avoided, could result in death or serious injury.
- **CAUTION** indicates a situation that, if not avoided, could result in minor to moderate injury.
- **NOTICE** is used to address practices not related to personal injury.


### Important Information

	This symbol indicates important information where there is no risk to property or people.
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## SAFETY WARNINGS

	<b>DANGER: PERSONAL INJURY HAZARD</b> Before performing service turn off electrical power to unit and observe the proper process of locking-out power at the main/disconnect box and follow all safety precautions outlined in unit's IOM before performing any repairs to unit.
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	<b>WARNING: PERSONAL INJURY HAZARD</b> Installation and servicing of this equipment can be hazardous due to system pressure and electrical components. Only trained and qualified personnel should install, repair, or service the equipment.
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	<b>WARNING: PERSONAL INJURY HAZARD</b> When working on equipment, always observe precautions described in the literature, tags, and labels attached to the unit. Follow all safety codes. Wear safety glasses and work gloves.
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### Tools required

- 1/4" & 5/8" drivers
- 9mm Socket

**Instructions**

**Step 1.** Turn off power to the unit and apply "Lock Out Tag Out" procedure.

- a. Remove main unit access panel to remove line voltage connections and ensure there is no power supply to the lines.

**Step 2.** Remove blower access panel to locate the Blower Motor Module to be replaced. (See Fig. 1a & 1b)

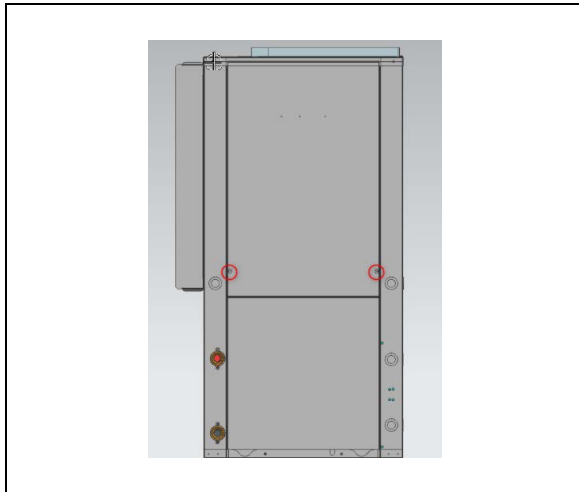


Fig. 1a Blower Access Panel for Vertical unit configuration

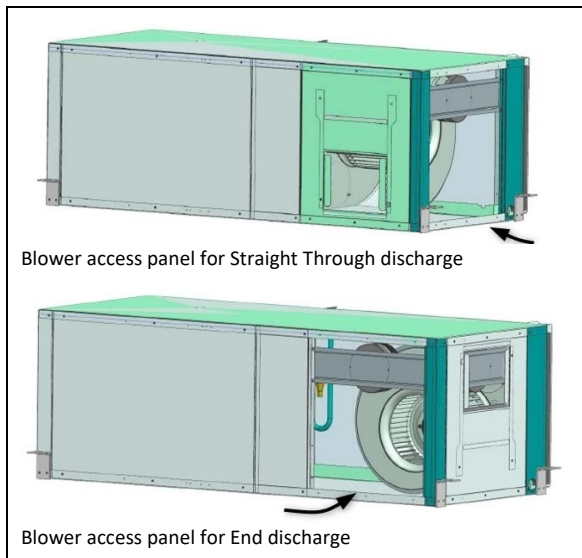


Fig. 1b Blower access Panel for Horizontal unit configuration

**Step 3.** Remove the Motor Module mounting bracket with module and place on the divider (vertical configuration) or unit base (horizontal configuration). (See Fig. 2)

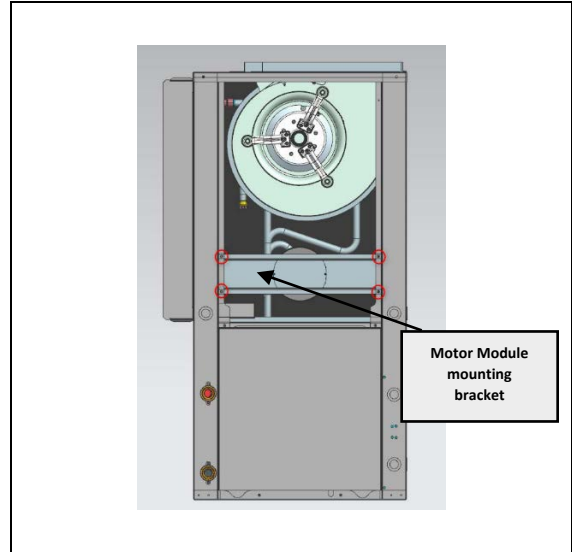


Fig. 2 Mounting Bracket Screw Locations (vertical unit configuration shown)

**Step 4.** Release the Motor Module from the mounting bracket by removing the 9mm nuts (qty 2) on the back of the bracket. (See Fig. 3.)

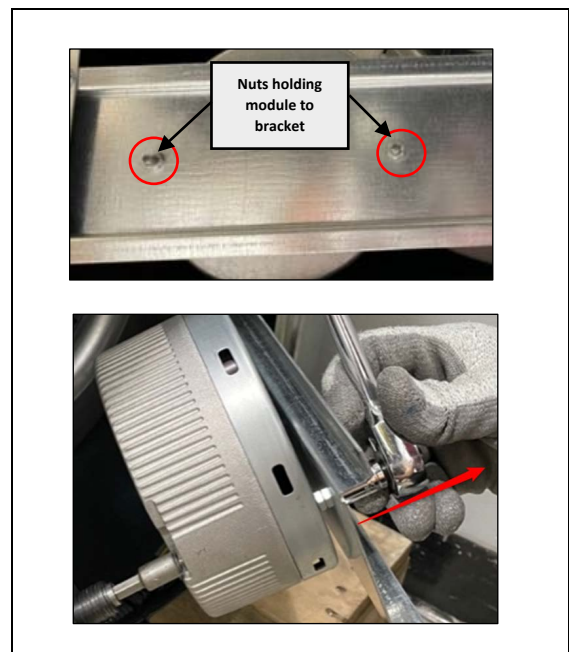


Fig.3 Removing Motor Module from mounting bracket

**Step 5.** Remove module cover to access the control module by removing the front bolts held on by the remaining 9mm nuts (qty 2) on the back of the module. See Fig. 5.

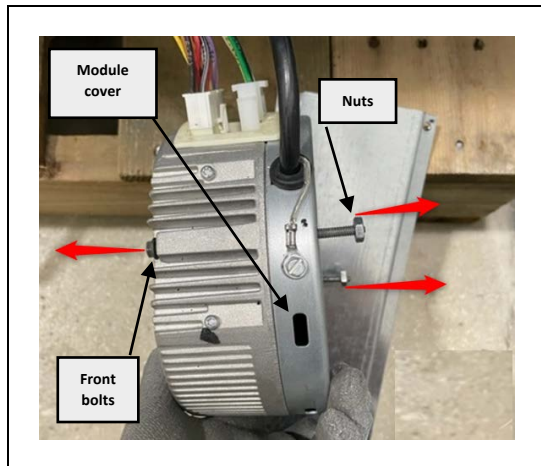


Fig.5 Removing Motor Module cover

**Step 6.** Unplug the three electrical harness connectors attached to the control module. (See Fig. 6).

**Note:** The ground screw on the module cover does not need to be removed.

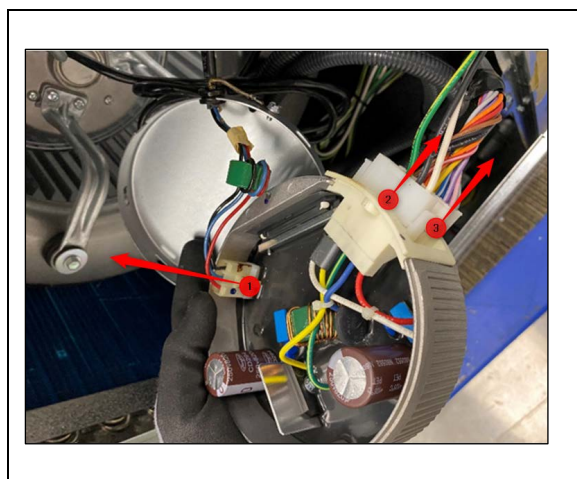


Fig.6 Unplugging electrical connections

**Step 7.** The module cover and the three electrical harnesses remain in the unit in preparation to connect the new control module. The old control module can be discarded. (See Fig. 7).

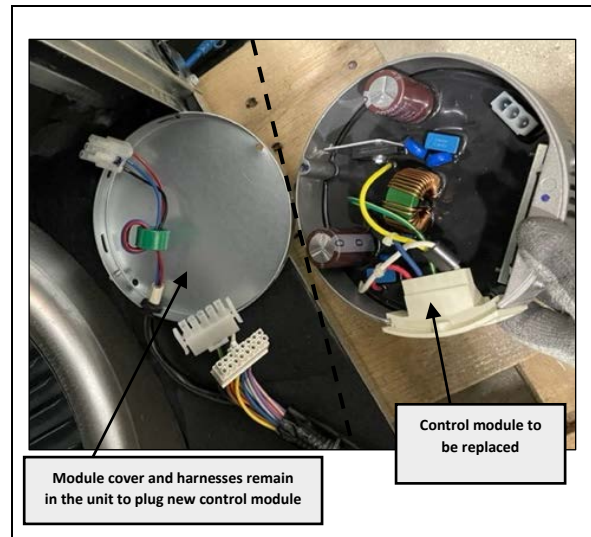


Fig.7 After the harness is unplugged, module cover and harness are separated from the control module



**WARNING: PERSONAL INJURY HAZARD**  
Ensure wiring is clear from all hazards inside the unit. Route wiring avoiding sharp edges.

If you have any questions regarding the information provided in this document, please contact the Bosch Technical Support Department by phone at 1-800-283-3787, or via email at [ac.techsupport@us.bosch.com](mailto:ac.techsupport@us.bosch.com)

### New Blower Motor Module Installation

**Step 8.** On the new/replacement Motor Module, separate module cover from the control module following step 5.

**Step 9.** Remake the electrical connections removed on step 6 onto the replacement control module (Refer to Fig. 7).

**Step 10.** Secure module cover and reinstall the module onto the mounting bracket using the bolts and corresponding nuts previously removed (refer to steps 4 & 5). Make sure the new Blower Motor Module is mounted with the electrical harness plug connector facing down. See Fig. 8.



DO NOT overtighten nuts on bolts.

**Step 11.** Reinstall the mounting bracket into the unit.

**Step 12.** Reinstall unit panels.



*Fig.8 Final Installation, electrical harness connections facing down.*