

QT6100/QT6101/QT6104/QT6110

# QwikSwap<sup>®</sup>

## The ECM Motor Change-Out Solution... That's On Your Truck!

- ▶ Direct replacement for any Constant Torque or Variable Air Flow ECM motor up to 1 HP
- ▶ *The solution is on your truck* – No need to wait and pay for that expensive OEM motor replacement
- ▶ Provides Variable Blower Air Flow (except the X1, QT6101)
- ▶ Fast Replacement, without programming; simply transfer the connection from the ECM motor to the QwikSwap<sup>®</sup> Board and wire the QwikSwap<sup>®</sup> board to any PSC motor
- ▶ Both the QwikSwap<sup>®</sup> **X3** and **V3** automatically select the optimum PSC motor blower speed (Low, Medium or High) every time the unit cycles on
- ▶ Both the QwikSwap<sup>®</sup> **X3** and **V3** provide improved humidity removal compared to fixed-speed operation (56% improvement at 82°F, 157% at 97°F outdoor air temperature)

### A QwikSwap<sup>®</sup> for all ECM Motors!

#### ECM Constant Torque Motors

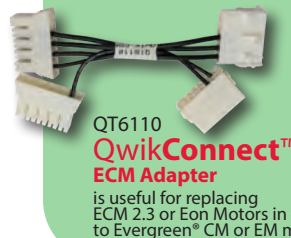
Use...  
QT6100  
QwikSwap<sup>®</sup> **X3**

Or...  
QT6101  
QwikSwap<sup>®</sup> **X1**



#### ECM Variable Air Flow Motors

Use...  
QT6104  
QwikSwap<sup>®</sup> **V3**



- ▶ Patent-pending high efficiency designs
- ▶ Equipped with 6,000 Amp, 100 Joules surge protection on all high voltage circuits
- ▶ Both the QwikSwap<sup>®</sup> **X3** and **V3** work with *optional Humidity Sensor* (QT6001) for enhanced humidity removal

## QwikSwap®

### The Low-Cost, Robust Alternative to Expensive Unreliable ECM Motors

It is impractical to have all the different variations of ECM motors on the truck, so a failed ECM blower motor typically means a trip to the parts house and a few hours wasted.

### Now you can have the solution on the truck and save money too.

QwikSwap® is a money saving solution that allows the replacement of a failed OEM ECM, X13® or SelecTech® Motor with a lower cost, more reliable, Permanent Split Capacitor (PSC) motor, along with a capacitor.

### There is a QwikSwap® board for every type of ECM motor...

and it is a solution you can have on the truck, and no custom programming is required. QwikSwap® boards operate with any PSC motor up to 1 horsepower, either 120 or 240 VAC single phase.



#### ▶ QwikSwap® X1 (QT6101)

The basic QwikSwap® X1 (QT6101) provides a **single technician-selected motor speed** when replacing a failed OEM **Constant Torque ECM**, X13® or SelecTech® motor. Installation is as easy as moving wires from the failed ECM motor to the QwikSwap® X1 board, then connecting the replacement PSC motor's common and power lead to the QwikSwap® X1 board (along with a capacitor). *Protected by U.S. Patents #9,417,005 & #9,207,001.*



#### ▶ QwikSwap® X3 (QT6100)

QwikSwap® X3 (QT6100) provides replacement of a failed OEM **Constant Torque ECM**, X13® or SelecTech® motor with Permanent Split Capacitor (PSC) motor while also **ADDING performance improving variable blower air flow capability** - like high end systems have. Installation is as simple as moving the wires from the failed ECM motor to the QwikSwap® X3 board, then connecting the replacement PSC motor's common and three power leads (one for each speed) to the QwikSwap® X3 board (along with a capacitor). *Protected by U.S. Patents #9,417,005 & #9,207,001.*



#### ▶ QwikSwap® V3 (QT6104)

QwikSwap® V3 (QT6104) provides replacement of a failed OEM **Variable Air Flow Rate ECM 2.0, 2.3, 2.5 or 3.0 motor** with a Permanent Split Capacitor (PSC) motor while **maintaining variable blower air flow capability**. As with any QwikSwap, installation simply requires moving wires from the failed ECM motor to the QwikSwap® V3 board, then connecting the new PSC motor's common and the three power leads (one for each speed) to the QwikSwap® V3 board (along with a capacitor). *Protected by U.S. Patents #9,417,005 & #9,207,001.*



#### ▶ QwikConnect™ (QT6110)

QwikConnect™ (QT6110), ECM Adapter is useful for replacing ECM 2.3 or Eon Motors in fan coil units to Evergreen® CM or EM motors. This adapter has two plugs on the one end to receive the plugs that were intended for an ECM 2.3 / Eon motor (J1 for Power, J2 for Communications). The signals from J1 and J2 are wired to the appropriate plugs for the Evergreen® Motor (P1 for Power, P2 for Communications). This adaptor cable can only be used to replace a defective ECM 2.3 or Eon motor which uses a 16-pin connector and PWM speed control with the same voltage Evergreen EM (115, 208 or 230 VAC) or CM (208, 230, 277 VAC) motor. Use a QwikSwap® for other motor types and applications



#### ▶ Optional Humidity Sensor (QT6001)

While QwikSwap® X3, QwikSwap® V3 and our QwikSEER+® WattSaver all provide variable blower air flow leading to improved humidity removal, if humidity remains an issue these control boards have a simple plug-in connection for this optional humidity sensor. When installed on the control board and the relative humidity in the return air is measured to be greater than 50%, the control board control logic changes from maximizing performance to maximizing moisture removal. Once the humidity drops to below 50%, the control board returns to optimizing performance.

For more details or information about QwikSwap® visit [www.qwik.com](http://www.qwik.com)

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