

Installer's Guide

MANTIS Software Upgrade Tool

BAYSWUPKITXXX
Variable Speed Upgrade Tool
Version: 3.0.3

Note: "Graphics in this document are for representation only. Actual model may differ in appearance."

SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

SAFETY SECTION

Important: This document contains service and/or installation information. This is customer property and is to remain with this unit. Please return to service information pack upon completion of work.

⚠ CAUTION

GROUNDING REQUIRED!

Failure to inspect or use proper service tools may result in equipment damage or personal injury. Reconnect all grounding devices. All parts of this product that are capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

⚠ WARNING

HAZARDOUS VOLTAGE!

Failure to follow this Warning could result in property damage, severe personal injury, or death. Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be inadvertently energized.

⚠ WARNING

SAFETY AND ELECTRICAL HAZARD!

Failure to follow this Warning could result in property damage, severe personal injury, or death.

These servicing instructions are for use by qualified personnel only. To reduce the risk of electrical shock, do not perform any servicing other than that contained in these operating instructions unless you are qualified to do so.

⚠ WARNING

SAFETY HAZARD!

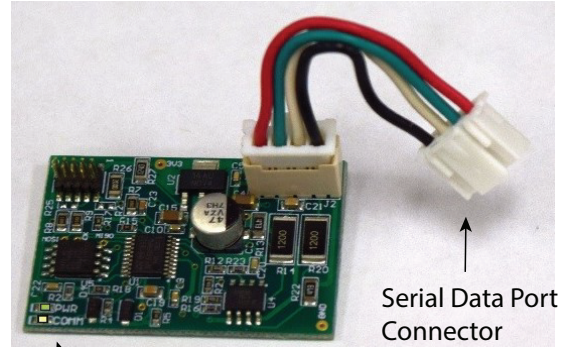
Operating the unit without the access panels properly installed may result in severe personal injury or death.

Do not operate the unit without the evaporator fan access panel or evaporator coil access panel in place.

Variable Speed Upgrade Tool (BAYSWUPKIT)

For use on:

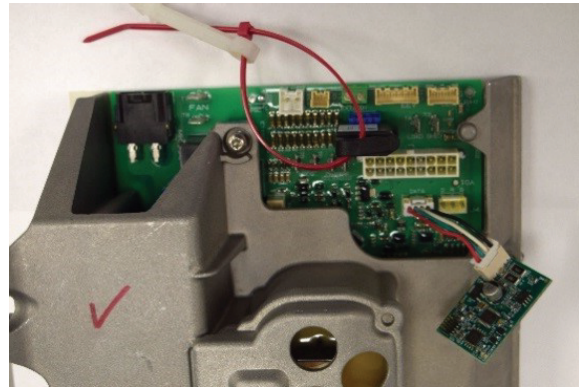
- Vertical Discharge: 4TTV, 4TWV, 4A7V and 4A6V
- Side Discharge: 4TWL9 and 4A6L9



PWR LED (Green)
COMM LED (Yellow)

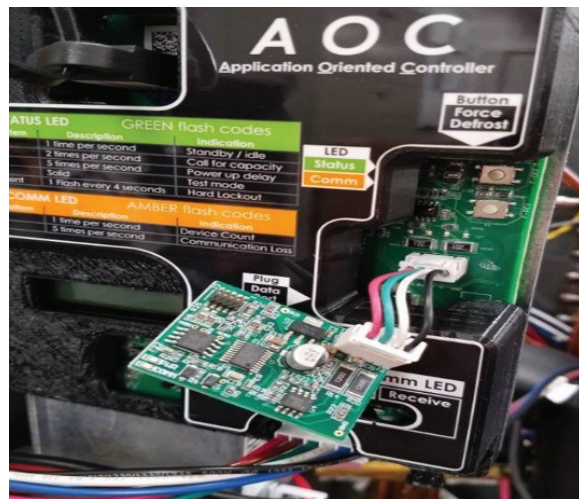
Installation

1. Remove power from OD unit for **AT LEAST 2 MINUTES**.
2. For 4TTV, 4TWV, 4A7V, 4A6V models: Connect the upgrade tool to the "J" Connector (also labeled "DATA"). See opposite image.



3. For 4TWL9, and 4A6L9 (Side Discharge) models: Connect the upgrade tool to the "J19" Connector (also labeled "DATA") on the AOC. See opposite image.
4. Reapply HV power to the OD unit.
5. The software will load automatically and reboot the Drive when the software update is complete.

This process takes approximately 12-13 minutes to complete.



Variable Speed Upgrade Tool(BAYSWUPKIT)

Diagnostics

The tool has onboard diagnostics and troubleshooting codes.

Yellow Communication LED will correspond as follows:

- Yellow light blinking — Successful communication and update in progress.
- Yellow light on solid — upgrade complete, unit will restart normally.

In case of faults, the Yellow LED pauses 3 seconds, then flashes the number of times shown in table below and then pauses again.

Yellow LED Flash Code	Unit Fault	Troubleshooting action
2	No Response from Drive	Check 4 wire harness, confirm board is plugged into correct port.
3	No Unit ID	Check to ensure PM is plugged in.
4	No Valid Upgrade Data	Mantis software incomplete. Contact your technical support team.
5	Transmission Failure	Check 4 wire harness, confirm board is plugged into correct port.
6	Unsupported Equipment	Contact your technical support team.
7	Failed to upgrade bootloader	Remove Mantis tool and power cycle the unit. Leave unit off for AT LEAST 2 MINUTES . Retry upgrade. If upgrade is not successful, remove Mantis tool and power cycle. Leave unit off for AT LEAST 2 MINUTES . Contact your technical support team.

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