Warning: The installation of any components must be performed using the appropriate anti-static devices. If unavailable, discharge static from your body by touching a grounded metallic object before opening any covers on the unit.

This installation sheet describes how to install the VH10 Front with touchscreen and function keys. The following kits are available: AL2001 and AL2002.

1. Getting Ready for Front Touchscreen and Function Keys Installation

   Warning: Always disconnect the VH10 from all battery and A/C power before servicing components.

1. Unplug the power, and turn off the main power switch.
2. Remove the dome (4 screws) using a Torx T10 screwdriver.
3. Remove the front touchscreen (13 screws) using a Torx T10 screwdriver.
4. Remove the keypad bezel (10 screws) using a Torx T6 screwdriver for later reuse.
5. Remove the keypad for possible reuse.

![Figure 1]

2. Inspecting the Keypad Module

1. Hold the keypad up to a light and inspect the keypad for signs of wear or torn keys.
2. If signs of wear or torn keys are found, replace the keypad.

3. Installing the Front Touchscreen and Function Keys Module

   Warning: It is highly recommended that the screws on the keyboard be loosened before the front touchscreen is installed.

1. Using a Torx T6 screwdriver, loosen the four screws on the keyboard of the new front touchscreen.
2. Carefully align the keyboard connector with the display connector and press down to attach it.
3. Using a Torx T6 screwdriver, retighten the four screws on the keyboard. Torque: 2.5 in-lb (0.28 N-m).
4. Using a Torx T10 screwdriver, fasten thirteen screws around the front touchscreen in the sequence shown in Figure 2 below. Torque: 5 in-lb (0.56 N-m).

![Figure 2]
5. Assemble the Dome onto the VH10. Using a Torx T10 screwdriver, fasten four screws in the sequence shown in Figure 3 below. Torque: 5 in-lb (0.56 N-m).

6. Carefully lay the keypad onto the keyboard of the front touchscreen.
7. Push the edges of the keypad into the metal casing to ensure the keypad is properly seated.
8. Lay the keypad bezel over top of the keypad and fasten (ten screws) using a Torx T10 screwdriver. Torque: 5 in-lb (0.56 N-m) in the sequence shown in Figure 4 below.

Components Required for Installation Kit Contents
- Front Touchscreen (Model Number AL2001 or AL2002)
- Tools (all items are included in Modular Kit ST2000):
  - Torx T10 screwdriver
  - Torx T6 screwdriver
  - ESD mat
- Optional:
  - Keypad (Model Number AL1001 or AL1002)