

## Introduction

This Installation guide provides instruction on how to install the VC80 replacement touchscreen for the following configurations:

- KT-VC80-SCRN1-01 (non heated touchscreen)
- KT-VC80-SCRH1-01 (heated touchscreen)

## Contents

The touchscreen replacement kit includes:

- Stainless display screws (quantity: 14)
- Black cover screws (quantity: 17)
- EMI tape (quantity: 2)
- Touchscreen assembly (quantity: 1)
- Installation guide (quantity: 1)

## Required Tools

- T10 Torx driver
- T8 Torx driver
- ESD protection

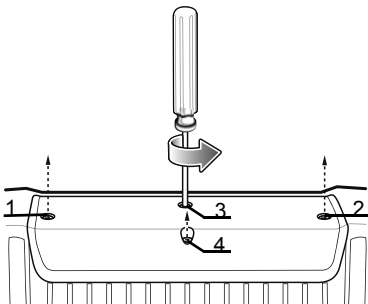
## Installation



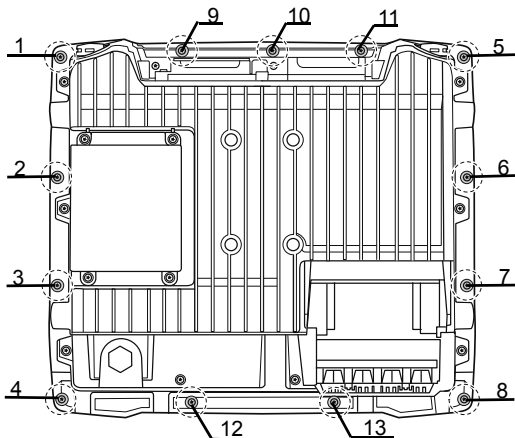
**WARNING!** Always disconnect the VC80 from all battery and A/C power before servicing components. Use only anti-static devices for installation.

To install a replacement touch screen:

1. Remove the four dome screws using a T10 Torx driver.



2. Remove the thirteen perimeter screws that secure the upper display to the lower display housing using a T10 Torx driver.

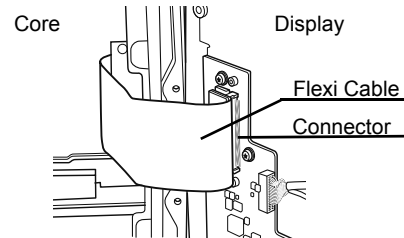


3. With the touchscreen facing down, lift the right side of the core to separate the core and display.



**CAUTION** Ensure ESD protection is used.

4. Gently remove the large Flexi cable from the display by lifting it straight up and out of the connector.

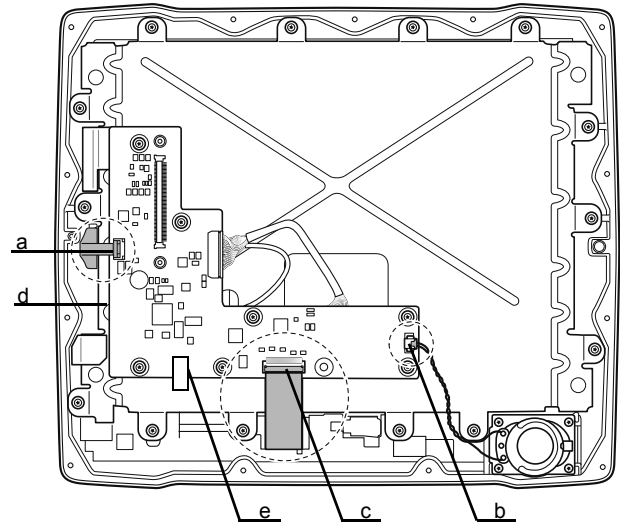


5. Disconnect the following cables from the DTB:

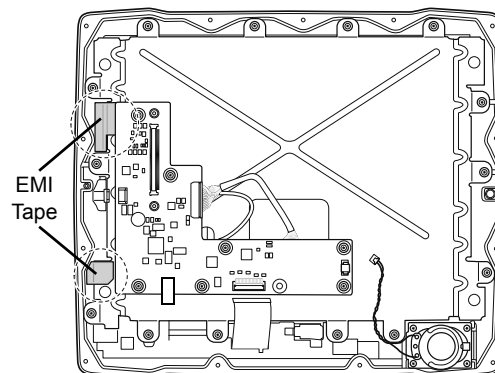
- a. FPC connected from TP to DTB.
- b. FPC connected from speaker to DTB.
- c. FPC connected from keyboard to DTB.

Optional extra heater cables:

- d. FPC connected from heater to DTB.
- e. Power connected from heater to DTB.

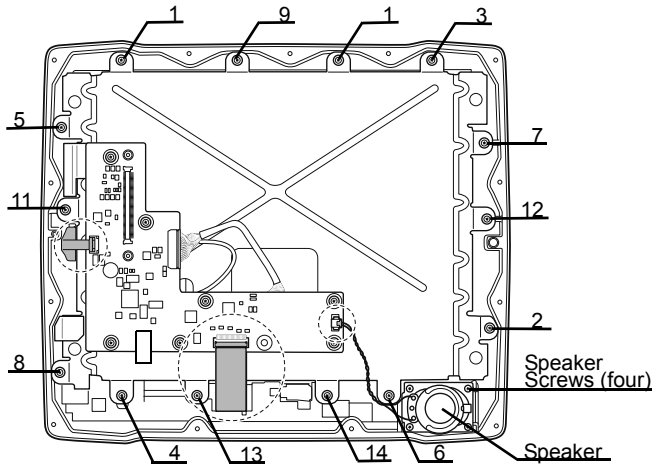


6. Remove the two pieces of EMI tape.



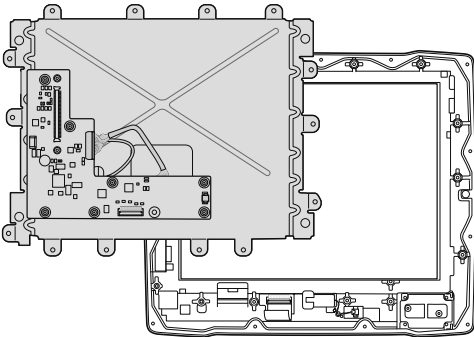
7. Remove the following internal screws:

- Remove the fourteen perimeter screws that secure the display frame to the upper display housing assembly using a T10 Torx driver.
- Remove the four speaker screws and speaker using a T8 Torx driver.

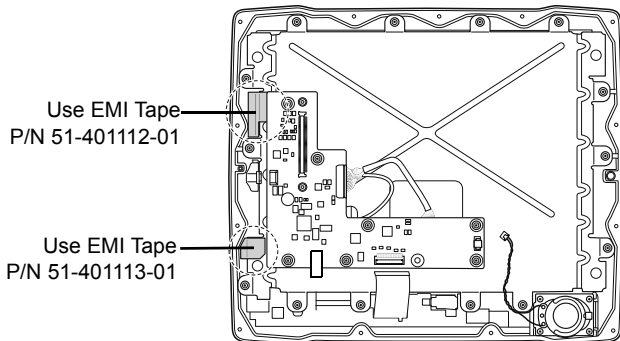


8. Remove the old touchscreen and add the new replacement touchscreen.

- Reinstall the display and fasten the fourteen screws. Torque:  $6.0 \pm 0.3\text{kgf-cm}$  (5 lbs-in)
- Reinstall the speaker, fasten the four screws. Torque:  $4.0 \pm 0.2\text{kgf-cm}$  (3.5 lbs-in)



9. Install two pieces of EMI tape closely against the edge of the electrical board and the internal frame.

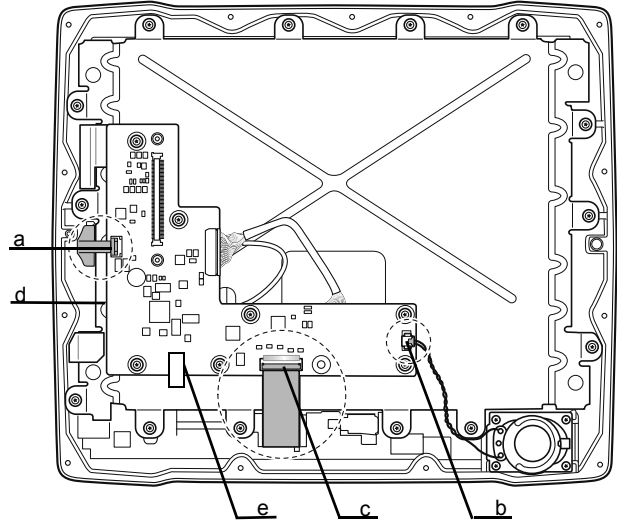


10. Reconnect the following cables to the DTB:

- FPC connected from TP to DTB.
- FPC connected from speaker to DTB.
- FPC connected from keyboard to DTB.

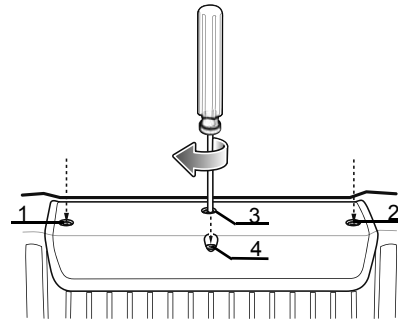
Optional extra heater cables:

- FPC connected from heater to DTB.
- Power connected from heater to DTB.



11. Reattach the large FPC between the display and the core. Using a T10 Torx driver, Torque:  $6.0 \pm 0.3\text{kgf-cm}$  (5 lbs-in).

- Refasten the thirteen perimeter screws that secure the display to the core (as shown in Step 2).
- Reassemble the Dome onto the VC80 and refasten the four dome screws.



Refer to the VC80 User Guide for information on calibrating the touchscreen.

