

OMNII™ END-CAP WITH GPS & EDGE RADIO KIT INSTRUCTIONS



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 hand-held.

This instruction sheet describes how to install the GPS/EDGE Radio Kit RA3045-GPS and an end-cap kit. The following end-cap kits are available: ST9500, ST9504, ST9507, ST9508 and ST9509.

The GPS Radio Kit (Model Number RA3045-GPS) contains the following:

- GPS radio with frame
- Torx T6 screws (x 3)

The GPS End-cap Kit includes:

- GPS end-cap with antenna attached. (In this example, the ST9400 end-cap equipped with GPS antenna/without data capture is shown.)
- Torx T10 screws (x 4)

The tools listed below are needed for this procedure:

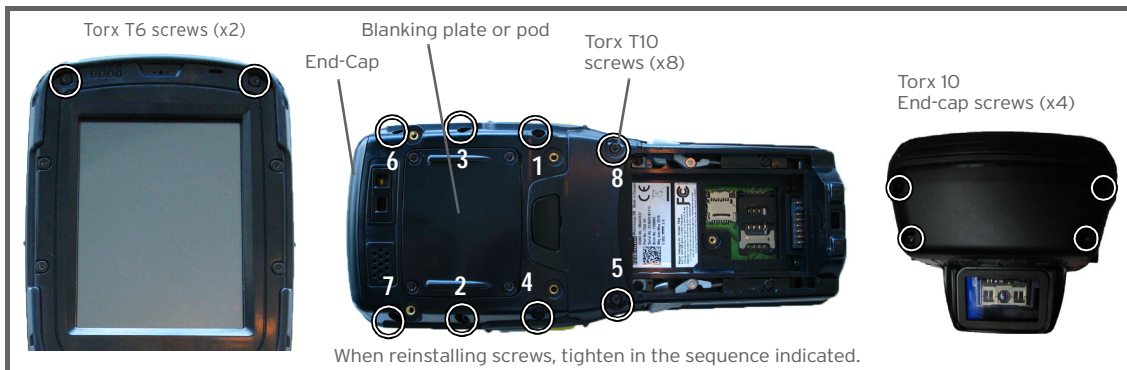
- Torx T10 screwdriver
- Torx T6 screwdriver
- small needle-nose pliers

1. Getting Omnia Ready for GPS/EDGE Installation



Warning: Always disconnect Omnia from all power sources (battery & A/C power) before servicing components.

Figure 1



- Remove the battery.
- Remove the blanking plate or pod if attached (four screws) using a Torx T10 screwdriver. In the case of a pod, disconnect the flex cable from the pod.
- Using a Torx T6 screwdriver, remove the two top-most screws on the front of the unit, just above the display.
- Remove the eight T10 screws holding the back cover to the main housing. The screw locations are illustrated in Figure 1.
- Carefully separate the back cover from the main housing. Disconnect any connecting wires and cables.
- Remove the existing end-cap (four screws) using a Torx T10 screwdriver.

2. Installing the GPS/EDGE Radio Module

- Align the 100-pin connector on the GPS module with the connector on the main logic board, and press down to attach it.
- Using a Torx T6 screwdriver, secure the GPS radio to the main logic board with 3 screws (M2x5 mm), torqued to 2.5 in-lb (0.28 N-m).



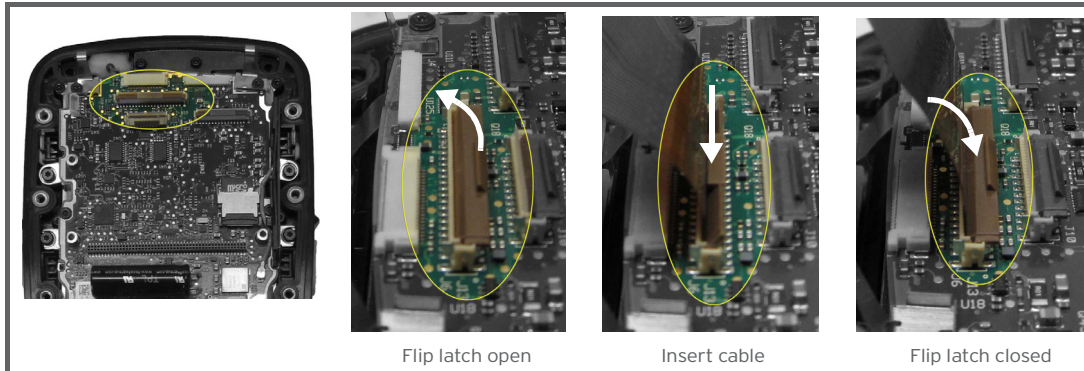
3. Attaching the GPS/EDGE End-Cap

- Run the antenna cables (x2) and scanner/imager flex cable, if present, through the opening at the top of the expansion back cover.
- Using a Torx T10 screwdriver and the four screws provided (M3 x 6 mm), secure the GPS end-cap to the expansion back cover. Torque to 5 in-lb (0.56 N-m).

4. Reassembling Omnii

- Before reattaching the back cover, connect the pistol grip trigger/speaker wire harness to socket J11 on the main logic board. If a camera module is present, connect the camera flex cable to socket J9 on the main logic board.
- If a scanner/imager flex cable is present in the end-cap (model numbers ST9504, ST9505, ST9506, ST9507, ST9508 and ST9509), connect it to socket J13 on the main logic board as shown in Figure 2. If no cable has previously been installed in this socket, there may be a piece of “dummy” stiffener that must be removed before inserting the cable.

Figure 2



- Fit the back cover in place against the main housing, ensuring that no cables are caught in the seal. If the pod flex cable is installed, ensure that the free end can be accessed through the pod opening in the back cover.
- Using a Torx T10 screwdriver, tighten the eight screws (M3x6 mm) to a torque of 5 in-lb (0.56 N-m). Install the screws in the sequence shown in Figure 1 on the previous page to ensure a consistent seal around the opening.
- Using a Torx T6 screwdriver, replace the two screws (M2x8 mm) above the display on the front of the unit. Torque to 2.5 in-lb (0.28 N-m).
- Through the scanner pod opening, use small needle-nose pliers to route the grey GPS antenna cable under the two metal clips on the left side of the GPS module.
- Press the grey GPS antenna connector to the socket on the left side of the unit. Snap it into place.
- Through the scanner pod opening, use small needle-nose pliers to route the black EGDE radio antenna cable under the metal clip at the top of the radio module.
- Press the black EDGE antenna connector to the socket on the top of the radio module. Snap it into place.



- If you are reattaching a pod, connect the pod flex cable to the pod.
- Reattach the pod or blanking plate using a Torx T10 screwdriver and four screws (M3x5 mm).
- Install the battery.