

OMNII™ STANDARD BACK COVER KIT INSTALLATION INSTRUCTION SHEET

1. Introduction

This document describes the procedure for installing the standard back cover kits for the Omnia hand-held computer. Depending on the specific kit model, the standard back cover will include a scanner or imager module which must be connected to the main logic board of the unit.

These instructions apply to the following upgrade kits for the Omnia hand-held computer: ST9701, ST9702, ST9703, ST9706, ST9707, ST9708 and ST9709.



Warning: *The installation of a back cover 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.*



Warning: *Psion scanners contain Class 2M (or lesser) laser products. Direct exposure to laser radiation can cause serious eye damage. DO NOT stare into the beam, or view directly with optical instruments (binoculars, telescopes or magnifiers).*



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

The kit includes the following items:

- standard back cover with scanner or imager module mounted, as specified by kit
- T10 Torx screws (x8)
- T6 Torx screws (x2)
- pistol grip switch cover

The following tools are required for this procedure:

- T10 Torx screwdriver
- T6 Torx screwdriver

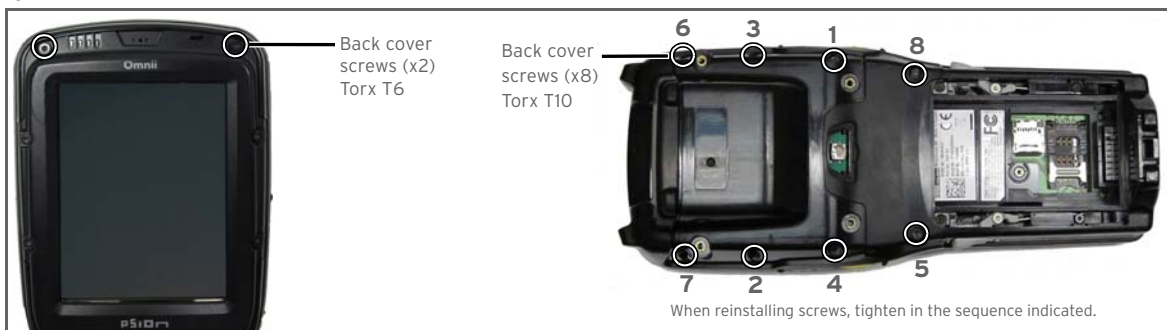
2. Module Installation



Important: *Back up any data in RAM first, since it will be lost when power is removed from the unit for longer than five minutes.*

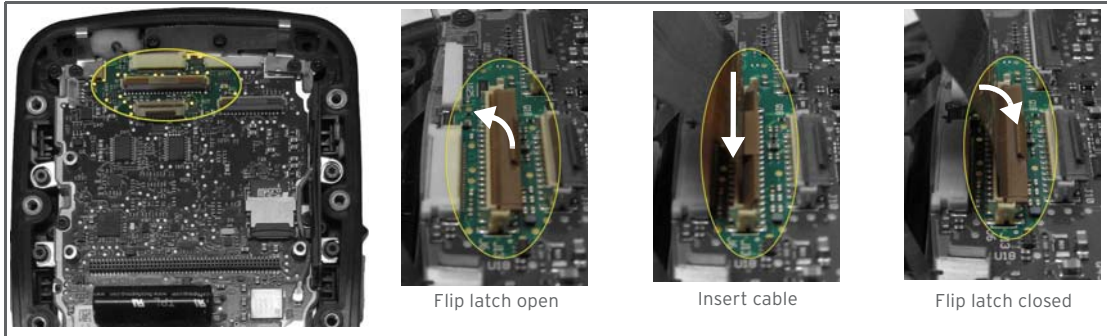
1. Remove the battery.
2. Follow these steps to remove the existing back cover, if one is present.
 - a. Use a T6 Torx screwdriver to remove the two topmost screws on the front of the unit, above the display.
 - b. Use a T10 Torx screwdriver to remove the eight screws holding the back cover to the main unit.

Figure 1



- c. Gently pull the back cover away from the main housing, being careful to not put stress on any cables connecting the two parts.
 - d. Disconnect any cables between the existing back cover and the main unit.
3. Insert the end of the scanner or imager flex cable from the back cover in socket J13 on the main logic board as shown in Figure 2. The exposed contacts on the cable should be facing towards the top of the unit. If no scanner has previously been installed, there may be a small piece of “dummy” stiffener present in the socket, which must be removed before inserting the cable.

Figure 2



4. Insert the pistol grip trigger wire harness in the white socket on the left side of the main logic board.



5. Fit the back cover in place against the main housing, ensuring that no cables are caught in the seal.
6. Install the eight T10 Torx screws in the back cover and torque to 5 in-lb (0.56 N-m). Install the screws in the sequence shown in Figure 1 to ensure a consistent seal all around the opening.
7. Install the two T6 Torx screws in the front of the unit above the display. Torque the screws to 2.5 in-lb (0.28 N-m).
8. If no pistol grip will be installed, the hole in the back cover for the pistol grip switch must be covered using the supplied cover.



- a. Clean the indicated area using isopropyl alcohol.
 - b. Peel the covering from the adhesive gasket on the pistol switch cover.
 - c. Press the pistol switch cover in place, and hold it firmly in place for 30 seconds.
9. Replace the battery.

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SUPPORT SERVICES

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