


The vehicle cradle is designed to charge the computer's battery with voltage from the vehicle battery while you are traveling between jobs. Follow the procedure below to charge a battery.

To charge a battery installed in the computer

1. Place the computer onto the vehicle cradle, making sure it is securely latched.
2. If charging is required it begins automatically. The Battery Power Indicator  flashes.
3. When the battery is fully charged, the Battery Power Indicator remains steady.

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### Important

- A temperature of 5°C to 50°C (41°F to 122°F) is required when charging batteries with the vehicle cradle. Batteries will not charge successfully outside this temperature range.
  - If you charge your battery daily, rely on the gas gauge reading to determine battery capacity. The gas gauge displayed by the Power Meter may show that the battery is full, but charging continues. This happens because the charging process is trying to put a little more capacity into the battery. External power can be removed at this time since the battery is virtually full.
  - If your battery is new or has not been used for several weeks, rely on the indicator light to determine when the battery is fully charged. The gas gauge is unreliable in these cases; it may read 100%, when the actual capacity is only 10%.
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## Communicating with Other Devices

Connect the external device to either of the USB ports on the back of the cradle, and then place the GoBook II onto the vehicle cradle. You can install or remove the computer from the vehicle cradle without connecting or disconnecting the cables.

### External Antennas

You can also connect an external RF antenna to the cradle using the SMA RF connector on the back of the vehicle cradle. FCC regulations require that users of vehicle-mounted antennas must use only antennas authorized for use with the GoBook II in order to meet FCC RF exposure limits. Please contact your organizations' help desk for a list of approved vehicle-mounted antennas. For mounting installation and/or mounting instructions for these types of antennas, see the instructions that accompany each antenna.

### RF Antenna Placement

**WARNING** Improper installation and/or operating configurations of permanent and magnetic vehicle-mounted antennas may cause FCC RF exposure limits to be exceeded. Vehicle-mounted antennas must be placed at least 20 cm from operators and bystanders.

Placement of a vehicle-mounted antenna

1. Measure and identify an area 20 cm (8 inches) in from the edges of the vehicle roof (see diagram below).
2. Place the antenna within that area.

To maximize RF performance, position the antenna in the center of the vehicle roof.



### Cleaning or Replacing Cradle Contact Pins

The contact pins on the vehicle cradle are exposed to contamination and stress when the computer is installed and removed from the cradle during normal daily operation. If the pins become dirty, they can be removed and cleaned as necessary using electrical contact cleaner. Or they can be replaced. The power and ground pins are pins 3 and 8 respectively. When charging problems are encountered and replacement pins are not available, other pins in the contact assembly can be used to field fix the unit until replacement parts are available.

To clean or replace the cradle contact pins

1. Hold down the protective plastic cover.
2. Grasp a pin and pull straight up, being careful not to bend it.
3. Clean the pin with electrical contact cleaner and reinstall it into the cradle contact assembly.  
If a pin is bent or cannot be cleaned, contact your support desk to obtain a replacement pin.

**NOTE** Pin 8 is not user replaceable. Contact your support desk for information about replacing this RF connector.

**CAUTION** Do not place any metal objects on top of the cradle that might make contact with the metal pins of the contact connector. Doing so may cause an electrical short and subsequent damage to the cradle.



72\_0103\_003

10 December 2002

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