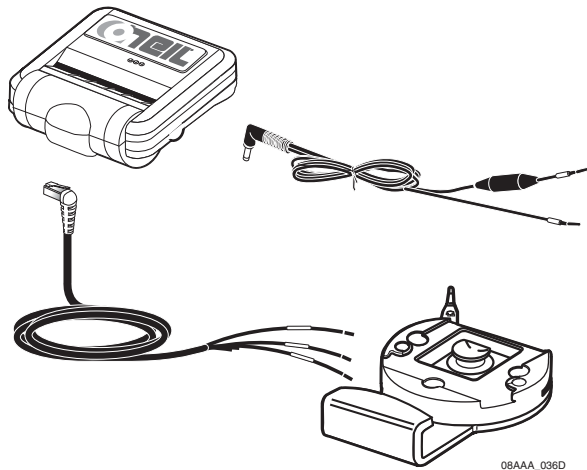


# GETTING STARTED

The parts list consists of items included with Datamax-O'Neil Printer Kit # 230206-000. Use these part numbers (P/N) to order additional parts.

## PARTS LIST

- **Datamax-O'Neil Printer**  
P/N:200247-103
- **Power Cable**  
P/N:210292-001
- **Data Cable**  
P/N:210291-001
- **Mounting Bracket**  
P/N:210216-000
- **Optional Velcro Mount**  
P/N: 220264-000



## TOOLS REQUIRED

- Crimping tool
- Wire strippers
- Flush Cutters

## GUIDELINES

- **Printer.** Install in a convenient and safe location in the cab on a vertical or horizontal surface. Printer cannot obstruct the driver's view of the road.
- **Cables.** Keep away from sharp metal edges to avoid damage to cables. Use grommets or convoluted tubing to protect cables.
- **Ignition Wire.** Connect only to ignition, not to accessory.

MAY CONTAIN U.S. AND INTERNATIONAL EXPORT CONTROLLED INFORMATION

# WARNINGS

## ⚠ WARNING

Mounting the printer near the vehicle airbags can injure a driver or passenger involved in a crash

Airbag firing can cause the printer to become a projectile leading to serious injury or death

Mount the printer in a location that will not be impacted by the firing of any forward or side airbag

## ⚠ WARNING

Improper cable installation can interfere with the vehicle pedals or steering

Interfering with the pedals or steering can cause a crash, resulting in serious injury or death

Mount the cables so that they can not interfere with the brake, accelerate, clutch, or steering wheel, **EVEN IF THE TIE WRAPS FAIL**

## ⚠ DANGER

Using a test light to probe vehicle wiring can cause the **AIRBAG TO FIRE**

Airbag firing while working near the vehicle dash or steering wheel can cause serious injury or death

Never use a test light to probe wiring  
**USE VOLT-OHM METER ONLY**

MAY CONTAIN U.S. AND INTERNATIONAL EXPORT CONTROLLED INFORMATION

# INSTALLATION STEPS

## Installer Information

Company: \_\_\_\_\_  
 Technician: \_\_\_\_\_ Vehicle #: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Unit #: \_\_\_\_\_  
 System Verification Complete: Yes or No (circle)  
 Technician Signature: \_\_\_\_\_

### Step 1. Install Printer

- Use mounting bracket provided.

### Step 2. Install Data Cable

Refer to specific **Step 2.** instructions on left for these hardware systems:

- Mobile Computing Platform (**MCP100 and MCP200**)
- **IMCT with OmniExpander**
- Integrated Mobile Communication Terminal (**IMCT**)
- Terrestrial Mobile Communication Terminal (**TMCT**)
- Mobile Communication Terminal (**MCT**)

### Step 3. Install Power Cable

1. Connect GND wire to CHASSIS\_GND wire.
2. Connect IGN wire to ignition source.
3. Plug power cable into printer.

### Step 4. Perform System Verification

1. Verify that print function is enabled.
2. From DIU/DU/EDU/MDU Inbox, display a message. Press "O", or press "CTRL-P" (MDU only).
- If Confirmation to print pop-up screen displays, print a message.
- If Confirmation to print pop-up screen does not display, call QES Customer Support at 800-541-7490 to enable print function.

### Step 2. Install Data Cable with MCP100 and MCP200

1. Connect data cable GND wire to violet MCP accessory cable **COM5\_GND** wire.
2. Connect data cable RXD wire to violet/red MCP accessory cable **COM5\_TX\_485+** wire.
3. Connect data cable TXD wire to violet/orange MCP accessory cable **COM5\_RX\_485-** wire.
4. Plug data cable into printer.

### Step 2. Install Data Cable with IMCT with OmniExpander

1. Connect data cable GND wire to white/blue OmniExpander expansion cable **PRINTER\_GND** wire.
2. Connect data cable RXD wire to white/brown OmniExpander expansion cable **PRN\_TX\_RS232** wire.
3. Plug data cable into printer.

### Step 2. Install Data Cable with IMCT

1. Connect data cable GND wire to black IMCT power/accessory cable **BAT-** wire.
2. Connect data cable RXD wire to brown IMCT power/accessory cable **J1708+/TX** wire. **Note:** If you already use J1708 wires to get engine data, you must use the OmniExpander. If you do not plan to use J1708 wires to get engine data, call QES Customer Support to reconfigure J1708 wires to TX/RX.
3. Plug data cable into printer.

### Step 2. Install Data Cable with TMCT

1. Connect data cable GND wire to violet TMCT power/accessory cable **AUX\_GND** wire.
2. Connect data cable RXD wire to orange/black TMCT power/accessory cable **AUX\_TX** wire.
3. Plug data cable into printer.

### Step 2. Install Data Cable with MCT

1. Connect data cable GND wire to black MCT power cable **GND** wire or gray MCT accessory cable **RPM 2** wire.
2. Connect data cable RXD wire to white/orange MCT accessory cable **AUX2\_TX** wire.
3. Plug data cable into printer.

MAY CONTAIN U.S. AND INTERNATIONAL EXPORT CONTROLLED INFORMATION

# RMA INFORMATION

## Return Material Authorization (RMA) Process

RMAs are used whenever equipment must be returned to Datamax-O'Neil Printers. The RMA process involves three steps:

1. Request an RMA from Datamax-O'Neil Printers.
2. Datamax-O'Neil arranges shipment of a replacement component to you.
3. Return failed component to the address specified by Datamax-O'Neil.

For general questions or technical support:

- Call: (800) 796-6345 (U.S. and Canada only)
- Email: [info@datamax-oneil.com](mailto:info@datamax-oneil.com)
- Website: [www.datamax-oneil.com](http://www.datamax-oneil.com)

QUALCOMM Incorporated  
5775 Morehouse Drive  
San Diego, CA 92121-1714

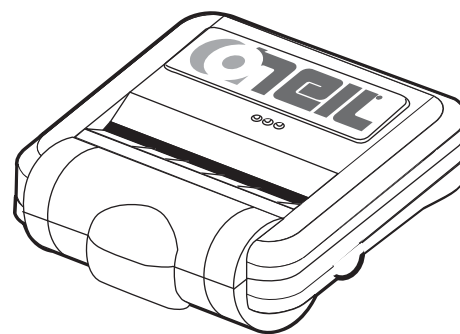
Copyright © 2009 QUALCOMM Incorporated.  
All rights reserved.

QUALCOMM is a registered trademark of QUALCOMM Incorporated in the United States and may be registered in other countries. QES is a trademark of QUALCOMM Incorporated. Other product and brand names may be trademarks or registered trademarks of their respective owners. Qualcomm endeavors to ensure that the information in this document is correct and fairly stated, but Qualcomm is not liable for any errors or omissions. Published information may not be up to date, and it is important to confirm current status with Qualcomm. This technical data may be subject to U.S. and international export, re-export or transfer ("export") laws. Diversion contrary to U.S. and international law is strictly prohibited.

80-J9061-1 Rev. D  
September 2009

## In-Cab Printing Installation Instructions

for use with  
**MCP100 and MCP200,  
IMCT with OmniExpander,  
IMCT, TMCT, and MCT units**



MAY CONTAIN U.S. AND INTERNATIONAL EXPORT CONTROLLED INFORMATION

# SYSTEM VERIFICATION AND TROUBLESHOOTING

ACTION	POSSIBLE CAUSES	SOLUTION
<ul style="list-style-type: none"> <li>• Pressing "O" does not display the Confirmation pop-up screen.*</li> </ul>	<ul style="list-style-type: none"> <li>• Printer is not enabled.</li> <li>• Your OS or software version does not support printing.</li> </ul>	<ul style="list-style-type: none"> <li>• Call QES Customer Support to enable printer.</li> <li>• Upgrade your OS or software to current version.</li> </ul>
<ul style="list-style-type: none"> <li>• Pressing "O" displays Confirmation pop-up screen, but pressing "Yes" to print does not print the message.*</li> </ul>	<ul style="list-style-type: none"> <li>• Faulty or Incorrect wire configuration (see Printer Requirements, below).</li> <li>• Incorrect printer configuration.</li> <li>• Faulty printer.</li> </ul>	<ul style="list-style-type: none"> <li>• Check data cable and power cable connections.</li> <li>• Press and hold the red button for 8 seconds, then check that print out shows correct printer requirements (see Printer Requirements, below).</li> <li>• Follow RMA process to return printer to Datamax-O'Neil.</li> </ul>
<ul style="list-style-type: none"> <li>• No power to printer.</li> </ul>	<ul style="list-style-type: none"> <li>• Blown fuse.</li> <li>• Power source.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace fuse.</li> <li>• Check ignition power and ground. Fix as necessary.</li> </ul>
<p>* If you are using an MCP, you can also press "CTRL-P" to display the Confirmation pop-up screen.</p>		

PRINTER	REQUIREMENTS
Baud rate	9600
Hand-shaking	None
Time out	Never
Maximum operating temperature (charging battery)	40°C / 104°F
Input power	+12 VDC

MAY CONTAIN U.S. AND INTERNATIONAL EXPORT CONTROLLED INFORMATION