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.

INSTALLATION STEPS

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 DI/UD/ED/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.

WARNINGS

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

Improper cable installation can interfere with the vehicle pedals or steering.

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

Step 2. Install Data Cable with MCP100 and MCP200
1. Connect data cable GND wire to violet MCP accessory cable COMS_GND wire.
2. Connect data cable RXD wire to violet/red MCP accessory cable COMS_TX_485+ wire.
3. Connect data cable TXD wire to violet/orange MCP accessory cable COMS_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.
In-Cab Printing
Installation Instructions
for use with
MCP100 and MCP200,
IMCT with OmniExpander,
IMCT, TMCT, and MCT units

SYSTEM VERIFICATION AND TROUBLESHOOTING

<table>
<thead>
<tr>
<th>ACTION</th>
<th>POSSIBLE CAUSES</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressing &quot;O&quot; does not display the Confirmation pop-up screen.*</td>
<td>Printer is not enabled.</td>
<td>Call QES Customer Support to enable printer.</td>
</tr>
<tr>
<td></td>
<td>Your OS or software version does not support printing.</td>
<td>Upgrade your OS or software to current version.</td>
</tr>
<tr>
<td>Pressing &quot;O&quot; displays Confirmation pop-up screen, but pressing &quot;Yes&quot; to print does not print the message.*</td>
<td>Faulty or Incorrect wire configuration (see Printer Requirements, below).</td>
<td>Check data cable and power cable connections.</td>
</tr>
<tr>
<td></td>
<td>Incorrect printer configuration.</td>
<td>Press and hold the red button for 8 seconds, then check that print out shows correct printer requirements (see Printer Requirements, below).</td>
</tr>
<tr>
<td></td>
<td>Faulty printer.</td>
<td>Follow RMA process to return printer to Datamax-O'Neil.</td>
</tr>
<tr>
<td>No power to printer.</td>
<td>Blown fuse.</td>
<td>Replace fuse.</td>
</tr>
<tr>
<td></td>
<td>Power source.</td>
<td>Check ignition power and ground. Fix as necessary.</td>
</tr>
</tbody>
</table>

* If you are using an MCP, you can also press "CTRL-P" to display the Confirmation pop-up screen.

## PRINTER REQUIREMENTS

<table>
<thead>
<tr>
<th>PRINT</th>
<th>REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baud rate</td>
<td>9600</td>
</tr>
<tr>
<td>Hand-shaking</td>
<td>None</td>
</tr>
<tr>
<td>Time out</td>
<td>Never</td>
</tr>
<tr>
<td>Maximum operating temperature (charging battery)</td>
<td>40°C / 104°F</td>
</tr>
<tr>
<td>Input power</td>
<td>+12 VDC</td>
</tr>
</tbody>
</table>

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