Connection tips

- Always make sure Tech tool is up to date via the Client update on the windows tool bar. Major releases will be updated via disk sent through the mail.

- Always make sure the interface adapter has the latest drivers installed. The manufactures list driver updates on their web pages.

- Make sure the correct interface adapter is selected in Tech tool. You can check this under the settings tab on the product page. Make sure the adapter is showing.

- If there is no power light lit up on your adapter, check the fuse labeled Diagnostic tool or Diagnostic connector.

- Allow the Tech tool to identify the truck. Do not click the connect button when the product page first loads. The could take 1-2 minutes depending on the truck and adapter used. VMAC I trucks will require a manual selection.

- If you are experiencing connection issues, control unit mismatches, incorrect model or electrical system populate, or operations for that vehicle are missing, do the following. Disconnect the adapter from the truck and PC for at least 2 minutes. Click “Finish Work” on the product page in Tech tool. Go to the “Latest selections” list and remove the VIN you are having the issue with. Power cycle the truck for at least 10 seconds. Now re-connect to the truck. If the issue persists, contact the help desk.

- For more information on adapters, please see the Compatible Adapter Matrix at http://www.premiumtechtool.com/technical-support/.
Identifying your vehicles electrical system

Volvo


Mack

- VMAC III – 1998-2006. Engines: E-7 ETECH, ASET AI, & ASET AC. Two modules: Engine ECU and Vehicle ECU. Engine ECU is mounted on the engine, Vehicle ECU is located in front of the passenger seat. No guided diagnostics in Tech tool, requires service manual: 8-211. 6 or 9 pin diagnostics connector.

Service manuals available at www.Volvotrucksemia.com

Service manuals available at www.Macktrucksemia.com
Volvo/Mack 6 pin diagnostic connector.

**ADAPTER** | **CABLE**
---|---
VOCOM (88890300/88894000) VOLVO ONLY | **98097089**
Also requires 88890306 (FCI cable)

VOCOM (88890300/88894000) MACK ONLY | 88890257 6 to 9 Pin adapter
Also requires 88890302, or 88890315 (9 pin cable)

NEXIQ USB LINK | 402048 (6/9 Pin Combo cable)

NEXIQ USB LINK 2 | 493148 (6/9 Pin Combo cable)

J-PRO/NOREGON DLA+ | 12172

DEARBON DPA 4+ | DG-J1939-04-CABLE (6/9 Pin Combo cable)

DEARBORN DPA 5 | DG-DPA5-YDUALCAN (6/9 Pin Combo cable)
Volvo/Mack 9 pin diagnostic connector.

9 Pin diagnostic connector.  
Data links: J1587/J1708 and J1939. 
Black is for the 250k baud rate  
Green is for the 500k baud rate.

<table>
<thead>
<tr>
<th>ADAPTER</th>
<th>CABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOCOM (88890300/88894000)</td>
<td>88890302 (Black, standard connection)</td>
</tr>
<tr>
<td></td>
<td>88890315 (Green, for OBD16 Cummins)</td>
</tr>
<tr>
<td></td>
<td>88894201 (adapter 16 pin to 9 pin vehicle)</td>
</tr>
<tr>
<td>NEXIQ USB LINK</td>
<td>402048 (6/9 Pin Combo cable)</td>
</tr>
<tr>
<td>NEXIQ USB LINK 2</td>
<td>493148 (6/9 Pin Combo cable)</td>
</tr>
<tr>
<td>J-PRO/NOREGON DLA+</td>
<td>12189</td>
</tr>
<tr>
<td>DEARBORN DPA 4+</td>
<td>DG-J1939-04-CABLE (6/9 Pin Combo cable)</td>
</tr>
<tr>
<td>DEARBORN DPA 5</td>
<td>DG-DPA5-YDUALCAN (6/9 Pin Combo cable)</td>
</tr>
</tbody>
</table>
Volvo/Mack 16 pin diagnostic connector.

Data links: J1587/J1708, J1939, and J2284 (ISO 14229).

<table>
<thead>
<tr>
<th>ADAPTER</th>
<th>CABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOCOM (88890300/88894000)</td>
<td>88890253 SS to 88894001 (blue)</td>
</tr>
<tr>
<td>NEXIQ USB LINK</td>
<td>442023</td>
</tr>
<tr>
<td>NEXIQ USB LINK 2</td>
<td>493013</td>
</tr>
<tr>
<td>J-PRO/NOREGON DLA+</td>
<td>12159</td>
</tr>
<tr>
<td>DEARBORN DPA 4+</td>
<td>N/A (adapter does not support ISO)</td>
</tr>
<tr>
<td>DEARBORN DPA 5</td>
<td>DG-V13-CABLE-KIT</td>
</tr>
</tbody>
</table>
88890020 and 88890300 Adapter

Both have been superseded to 88894000
**VOCOM II Adapter**

**VOCOM II 88894000**

- Replaces the Vocom 88890300
- Supports J1708, J1939, and ISO 14229.
- Supports high speed programming in Tech tool.
- Wireless capability
- Available from Volvo and Mack dealers or [www.Volvotrucksemedia.com](http://www.Volvotrucksemedia.com)
- Product support: 877-978-6586
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>88894001</td>
<td>Blue end for current and future products. 16 Pin OBD style diagnostic cable.</td>
</tr>
<tr>
<td>88890253</td>
<td>Green end with retainer clip. 16 Pin OBD style diagnostic cable.</td>
</tr>
<tr>
<td>88890302</td>
<td>9 pin diagnostic cable.</td>
</tr>
<tr>
<td>88890306</td>
<td>FCI cable used in conjunction with Volvo Part number 9809709 and on some Euro vehicles.</td>
</tr>
</tbody>
</table>
Vocom Cables Continued

Cables are available from Volvo and Mack dealers or, at www.Volvotrucksemedia.com

Volvo part number: 88890313
For use with the Vocom (88890300) or Vocom II (88894000) adapter.

USB cable that connects the VOCOM to the PC.

Mack part number: 88890257 6 to 9 Pin adapter. Used to hook to 6 Pin Mack trucks. For use with 88890302, or 88890315 9 Pin cables.

Volvo Part number: 88890315
For use with the Vocom (88890300) or Vocom II (88894000) adapter. Used to connect to OBD16 Cummins equipped vehicles. Will also connect to older black 9 pin.

Volvo part number: 88894201
For use with a 16 pin cable to adapt to a 9 pin vehicle.
Nexiq Adapters

USB Link
• Supports J1708, J1939, and ISO 14229.
• Does not support high speed programming in Tech tool.
• Wireless capability.
• No longer available. Replaced by USB Link -2

USB Link 2
• Supports J1708, J1939, and ISO 14229.
• Does not support high speed programming in Tech tool.
• Wireless and Bluetooth capability.
• Product support: 800-639-6774
Nexiq USB Link and cables

Cables are available at [www.nexiq.com](http://www.nexiq.com).

**USB Link**

- Supports J1708, J1939, and ISO 14229.
- Does not support high speed programming in Tech tool.
- Wireless capability.
- No longer available. Replaced by USB Link -2

Nexiq part number: 402048
For use with the USB Link adapter.
Combination 6/9 pin diagnostic cable.

Nexiq part number: 442023
For use with the USB Link adapters. 16 Pin OBD style diagnostic cable.

*Cannot use a standard OBD cable, must use this Volvo/Mack specific cable from Nexiq.*
Nexiq USB Link 2 and cables

Cables are available at [www.nexiq.com](http://www.nexiq.com).

**USB Link 2**

- Supports J1708, J1939, and ISO 14229.
- Does not support high speed programming in Tech tool.
- Wireless and Bluetooth capability.
- Product support: 800-639-6774

Nexiq part number: 493148
For use with the USB Link 2 adapter.
Combination 6/9 pin diagnostic cable.

Nexiq part number: 493013
For use with the USB Link2 adapters. 16 Pin OBD style diagnostic cable.
J-PRO/Noregon Adapter

DLA+

- Supports J1708, J1939, and ISO.
- Does not support high speed programming in Tech tool.
- Noregon offers a wireless version, DLA+ wireless.
- Noregon also offers a DLA+/PLC version for trailer ABS fault tracing.
- Available at [www.jprofleetproducts.com](http://www.jprofleetproducts.com)
- Product support: 855-889-5776.
# J-PRO/Noregon Cables

Cables available at [www.jprofleetproducts.com](http://www.jprofleetproducts.com)

<table>
<thead>
<tr>
<th>J-PRO part number: 12172</th>
</tr>
</thead>
<tbody>
<tr>
<td>For use with all J-PRO adapters.</td>
</tr>
<tr>
<td>6 Pin diagnostic cable.</td>
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</table>

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<thead>
<tr>
<th>J-PRO part number: 12189</th>
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</thead>
<tbody>
<tr>
<td>For use with all J-PRO adapters.</td>
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<tr>
<td>9 Pin diagnostic cable.</td>
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</table>

<table>
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<tr>
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<tbody>
<tr>
<td>For use with all J-PRO adapters.</td>
</tr>
<tr>
<td>16 Pin OBD style diagnostic cable.</td>
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</tbody>
</table>

*Cannot use a standard OBD cable, must use this Volvo/Mack specific cable from Noregon*
Dearborn Adapters

**DPA 4+**
- Supports J1708 and J1939.
- Does not support high speed programming in Tech tool.
- No wireless capability.
- Available at [www.dgtech.com](http://www.dgtech.com)
- Product support: 317-248-9332

**DPA 5**
- Supports J1708, J1939, and ISO.
- Does not support high speed programming in Tech tool.
- Wireless capability.
- Available at [www.dgtech.com](http://www.dgtech.com)
- Product support: 317-248-9332
Dearborn Cables

Cables available at www.dgtech.com

Dearborn part number: DG-J1939-04-CABLE
For use with the DPA4+ adapter.
Combination 6/9 Pin diagnostic cable.

Dearborn part number: DG-DPA5-YDUALCAN
For use with the DPA5 adapter.
Combination 6/9 Pin diagnostic cable.

Dearborn part number: DG-V13-CABLE-KIT
For use with the DPA5 adapter.
Combination 9/16 Pin diagnostic cable.

*Cannot use a standard OBD cable, must use this Volvo/Mack Specific cables from Dearborn*