

***AutoTap<sup>®</sup> for Trucks***  
***Heavy Duty Diagnostic Scan Tool - Palm***  
**Model: ATHDPALM**

Documentation Number ATHDPALM-1204 (pn#5950-rev002)

*This product designed and manufactured in Ottawa, Illinois USA  
of domestic and imported parts by*



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# Table of Contents

<b>SYSTEM REQUIREMENTS</b> .....	<b>1</b>
<b>INSTALLING AUTOTAP® FOR TRUCKS SOFTWARE</b> .....	<b>2</b>
<b>STARTING AUTOTAP FOR TRUCKS</b> .....	<b>3</b>
<b>SCREENS</b> .....	<b>4</b>
ECU LIST .....	4
DATA MONITOR (J1708) .....	5
VEHICLE FAULTS (J1708) .....	7
<b>ABOUT AUTOTAP FOR TRUCKS</b> .....	<b>8</b>
<b>TECHNICAL SUPPORT</b> .....	<b>8</b>

## Installing the AutoTap® for Trucks Software

### System Requirements

- Palm OS® 3.5 or greater.
- PC running a Windows® Operating System with HotSync Manager installed.
- B&B Electronics HDV100A1 Vehicle Adapter with appropriate cabling (Figure 1).

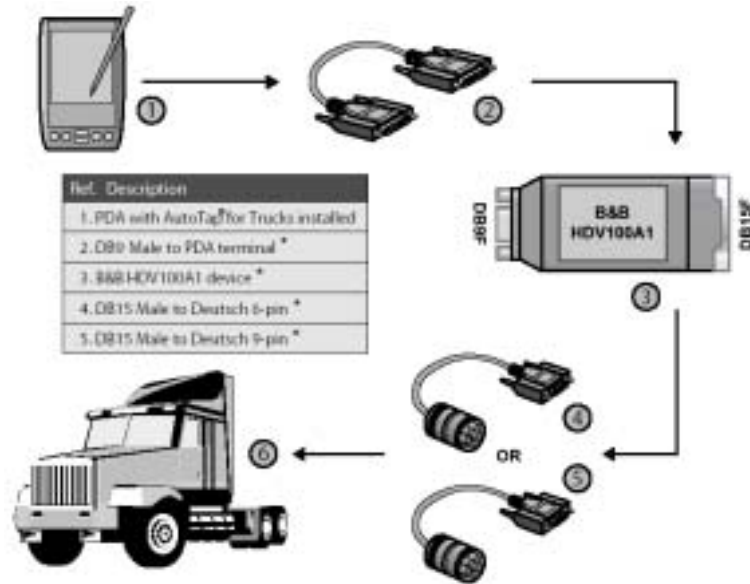


Figure 1: Connection Diagram

\* Available from B&B Electronics. Order model/part number:

#### Palm Cabling Options (DB9 Female to PDA terminal)

- 9M3C..... Palm IIIx, VII to DB9 Male Cable, 40 Inch Length
- 9MM100C..... Palm M100, M105 to DB9 Male Cable, 40 Inch Length
- 9MPUC..... Palm M125, M500, M50x to DB9 Male Cable, 40 Inch Length

#### B&B HDV100A1 device and Vehicle Cabling Options

- HDV100A1 .... Intelligent J1708/J1939 to RS-232 Converter
- D6D15M ..... 6-pin Deutsch to DB15 Male Cable, 40 in (1m)
- D9D15M ..... 9-pin Deutsch to DB15 Male Cable, 40 in (1m)
- D9MD6F ..... 6-pin Deutsch female to DB9 Male Adapter

1. Insert the AutoTap for Trucks CD into your PC's CD-ROM drive. The installation process starts automatically.
2. If installation does not automatically start, use Windows Explorer® to navigate to **(CD-ROM drive):\setup.exe** and double-click the **setup.exe** file. The Welcome window displays.
3. Click *Next*, the license agreement window displays.
4. Click *Yes* to accept the license agreement and continue installation. The Choose Destination Location window displays.
5. The installation program automatically chooses to install the AutoTap for Trucks software at "C:\Program Files\Noregon Systems\AutoTap for Trucks for PDA." You may choose another location by clicking the *Browse* button, navigating to the desired location, and clicking *OK*. Click the *Next* button to continue the installation. Choose a user from the list shown, and click the *Next* button (if no users are listed, click the *Next* button). Review your installation settings, and click the *Next* button. The Setup Status window displays to show the progress of the AutoTap for Trucks software setup.
7. Next, the InstallShield® Wizard Complete window displays to indicate that the installation has successfully completed. Click the *Finish* button to exit setup.
8. Once the PC installation is finished, synchronize your PDA to transfer the program.

## Starting AutoTap® for Trucks

To start using the AutoTap for Trucks software, start your Palm and find the AutoTap for Trucks application icon (Figure 2).



Figure 2: Application Icon

Tap on the icon to start the AutoTap for Trucks software. The welcome screen appears (Figure 3).



Figure 3: Welcome Screen

Tap the appropriate Connect button to have AutoTap for Trucks connect to the data bus.

Once the user has chosen to connect, a list of available screens is displayed (Figure 4): *ECU List*, *Data Monitor*, and *Faults*.

Each of these screens will be described in detail on the following pages.



Figure 4: Screens List

## Screens

### ECU List

The ECU List screen (Figure 5) shows the MID/Source Address, Make, Model, and Software ID for all ECU's that are actively communicating.



Figure 5: ECU List Screen

If there is at least one ECU in the list, AutoTap for Trucks allows the user to select an ECU to view additional information at the bottom of the screen: the VIN, the description of the selected ECU, and the number of historic and active faults for the selected ECU. Three buttons are available at the bottom of the ECU List screen: *View Faults*, *Refresh*, and *Done*.

- The *View Faults* button shows all vehicle faults. There are two buttons at the bottom of this screen. *Clear Faults* will clear all faults on a per ECU basis and *Done* returns you to the Screens List.
- The *Refresh* button clears the ECU List and retrieves a new list of ECUs currently communicating on the bus.
- The *Done* button returns the user to the previous screen.

## Data Monitor (J1708)



Figure 6: Data Monitor

The Data Monitor view (Figure 6) shows the MID, PID and its associated description, and its current value.

To highlight a row, tap the arrow for that row located in the first column of the display.

To change the MID for a row, tap the MID value for the associated row. The next screen (Figure 7) shows a list of available MIDs from which to choose. Select the MID you wish to use and tap the *OK* button located at the bottom of the screen.



Figure 7: Select a MID

To change the PID for a row, tap the PID description value for the associated row. The next screen (Figure 8) shows a list of available PIDs to choose from and their descriptions. Select the PID you wish to use and tap the *OK* button located at the bottom of the screen.



Figure 8: Select a PID

In order for the complete value of a row to be seen, it may be necessary to tap on the Value field for that row. A new screen will be displayed (Figure 9) which will show the MID, PID and the value details in its entirety.



Figure 9: Data Details

To clear a row, tap the arrow in the first column to highlight the row and tap the *Clear* button at the bottom of the screen.

To clear the entire list, tap the *Clear All* button at the bottom of the screen.

To return to the screens list, tap the *Done* button.

## Vehicle Faults (J1708)



Figure 10: Vehicle Faults

The Vehicle Faults screen (Figure 10) shows all active or historic faults, depending on which check box is selected. Tap either check box to save the faults screen show active or historic faults. You can also Select All or on a per ECU basis.

When viewing the Vehicle Faults screen via a J1708 connection, tap on a row to see that fault's FMI, PID and ECU information in the fields at the bottom of the screen. If any of the descriptions are too long to be fully displayed, tap the stylus at the end of the description to scroll.

Tap the *Clear Faults* button to clear either the active or historic faults, depending on which check box is selected. You can Clear All or on a per ECU basis. A message will be displayed asking to confirm whether the faults should be cleared. Tap the *OK* button to clear, or *Cancel* to return to the Vehicle Faults screen. When finished, press the *Done* button to return to the previous screen.

## About AutoTap® for Trucks



Figure 11: About AutoTap for Trucks

The About AutoTap for Trucks screen (Figure 11) displays copyright and version information for the AutoTap for Trucks software.

To view the About AutoTap for Trucks screen, tap the menu icon on the Palm interface. From the dropdown menu that appears, tap the About AutoTap for Trucks item. Copyright and version information appears. Tap the *OK* button to return to the previous screen.

## Technical Support

For technical support, please visit us on the Internet at [www.autotap.com](http://www.autotap.com) or contact us by phone at (815) 433-5100.