

18 August, 1999

The AVT-716 now supports: J1850 VPW & PWM;
ISO 9141; KWP2000; ALDL; and CCD.

Hardware Status

Hardware revision "E" of the AVT-716 incorporates several new features and changes; these are described here. Changes were made to incorporate modifications to previous revisions of the hardware and to move many components to surface mount.

Adding these new capabilities to the AVT-716 has changed the connection to the 'vehicle.' Changes to the board and enclosure connectors are described below.

Note that you should not mate AVT-716 boards (#1 and #2) that are not of the same revision level.

New Features

- The physical layer interface to the GM ALDL (or 8192 UART) has been incorporated onto the AVT-716 #2 board.
(Previous revisions of the AVT-716 required a separate small board for this purpose.)
- Chrysler's CCD interface has been added.

Firmware Status

All previous versions of AVT-716 firmware will work on the revision "E" hardware. However, firmware version 4.0 incorporates the CCD function code and will recognize the mode switch command to CCD mode. *It is not recommended that you load version 4.0 or above code onto revision "D" or below hardware.*

Connector Changes

Connector pin assignments for both the enclosure and AVT-716 board #2 connectors (to the vehicle) are shown on the next page.

Connector Updates

Pins not shown are 'not connected'

Enclosure connector "P1" (DA-15P)

<u>Pin #</u>	<u>Signal</u>
2	J1850 Bus +
3	CCD+
4	Ground (chassis)
5	Ground (signal)
7	ISO 9141 K-line
9	ALDL (8192 UART)
10	J1850 Bus -
11	CCD-
13	External power (+12v nominal).
15	ISO 9141 L-line

Board #2 connector "P3" (pin header)

<u>Pin #</u>	<u>Signal</u>
2	ALDL (8192 UART)
3	J1850 Bus +
4	J1850 Bus -
5	CCD+
6	CCD-
7	Ground (chassis)
9	Ground (signal)
10	External power (+12v nominal).
13	ISO 9141 K-line
14	ISO 9141 L-line