

18 August, 1999

## AVT-716 & OBD-II Potential Conflict

The OBD-II (On-Board Diagnostics, phase two) law requires a standardized connector in every car and light truck. Additionally, the law requires that the vehicle support at least one of three protocols: J1850 VPW, J1850 PWM, or ISO 9141-2.

The OBD-II connector is specified by SAE standard J1962.

The J1962 connector is a 16-pin unit. Only 7 of the pins are standardized.  
All other pins are available for use by the manufacturer and vary from vehicle to vehicle.

---

The AVT-716 supports all three OBD-II protocols. The protocols all appear on the correct pins at the vehicle when the AVT-716 is used with the AVT supplied OBD-II cable.

The AVT-716 hardware revision "E" unit supports two protocols that are not specified by the OBD-II law.

The additional protocols are: GM's ALDL (also known as 8192 UART) and Chrysler's CCD.  
Three additional pins on the AVT-716 connector are utilized to support these protocols.

---

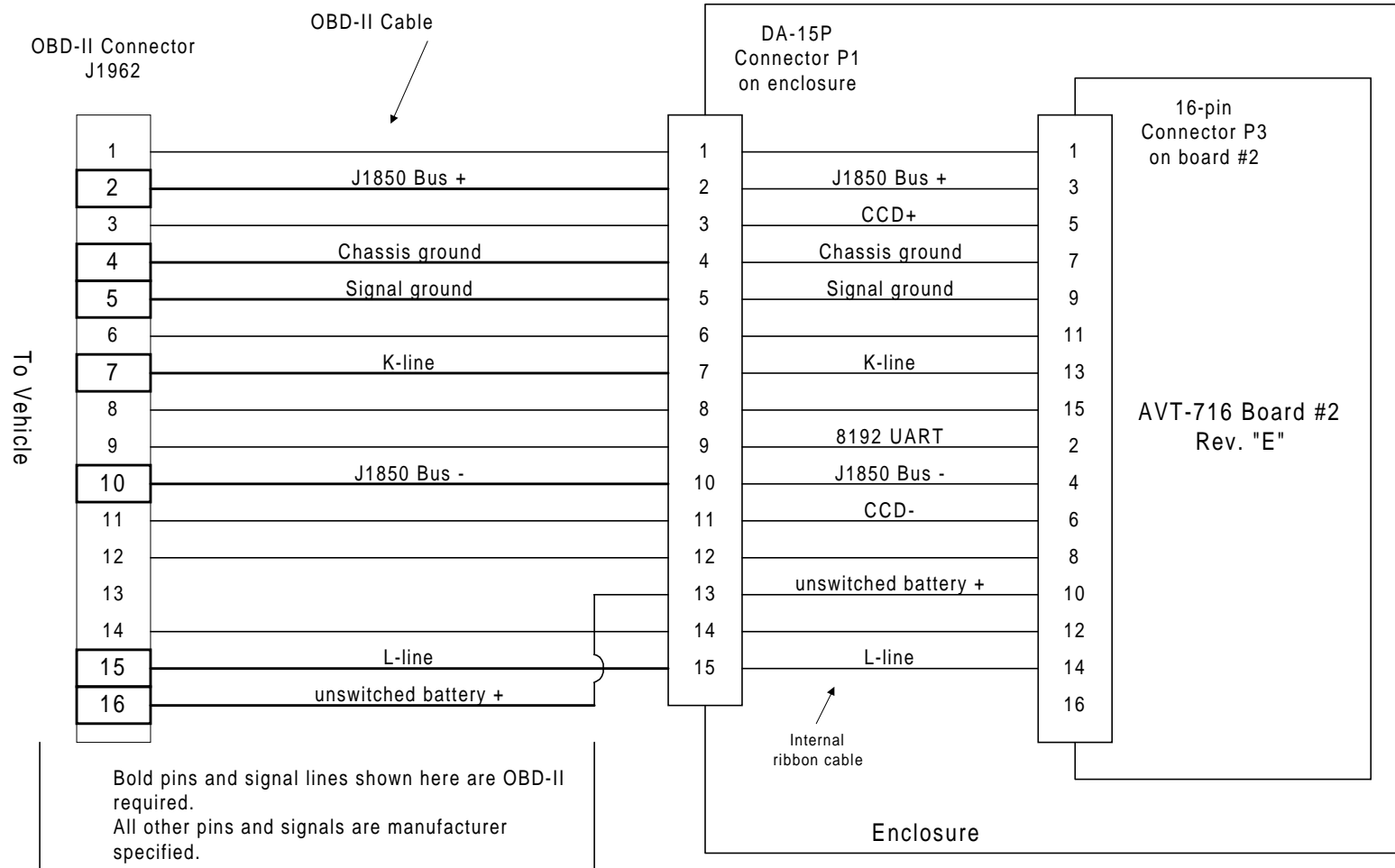
The OBD-II cable supplied by Advanced Vehicle Technologies, Inc. is wired nearly straight through (most are pin for pin). As a result the non-OBD signals may be on pins that are not compatible with a particular vehicle.

***The user is cautioned to be aware of this potential conflict.***

The following diagram shows the J1962 connector and the OBD-II required signals and pins. Also shown is the AVT supplied OBD-II cable.

The diagram shows the AVT-716 board #2 revision "E" unit and supported signals inside the AVT supplied enclosure. The enclosure is shown connected to the AVT supplied OBD-II cable.

If you have any questions contact us by e-mail, phone, or fax for prompt assistance.



AVT-716 Rev. "E"  
Signals, Pins, and Cables  
6 March, 1999