

**Pin Assignments by Model Number -
Enclosure Connector**

| <u>DA-15</u> <u>Pin #</u> | <u>512</u> | <u>715</u> | <u>715 - CCD</u> | <u>716</u> | <u>717</u> | <u>921</u> |
|------------------------------|------------|------------|------------------|------------|------------|------------|
| 1 | | | | | UBP bus | |
| 2 | J1850 bus+ | J1850 bus+ | J1850 bus+ | J1850 bus+ | | J1850 bus+ |
| 3 | UBP / LIN | Ground | CCD bus + | CCD bus + | | Ground |
| 4 | Ground | Ground | Ground | Ground | Ground | Ground |
| 5 | Ground | Ground | Ground | Ground | Ground | Ground |
| 6 | CAN - H | | SCI Tx | | CAN - H | |
| 7 | K-line | | SCI Rx | K-line | | |
| 8 | | | | | | |
| 9 | SWC | | | ALDL | SWC | |
| 10 | J1850 bus- | J1850 bus- | J1850 bus- | J1850 bus- | | J1850 bus- |
| 11 | | | CCD bus - | CCD bus - | | |
| 12 | | | | | | |
| 13 | V-Batt + | V-Batt + | V-Batt + | V-Batt + | V-Batt + | V-Batt + |
| 14 | CAN - L | | | | CAN - L | |
| 15 | | | /SCI Rx | L-line | | |

Pin Assignments by Model Number - Enclosure Connector

| <u>DA-15</u> <u>Pin #</u> | <u>718</u> column #1 | <u>718</u> column #2 | <u>418</u> column #1 | <u>418</u> column #2 | | |
|------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--|--|
| 1 | | SWC | | SWC | | |
| 2 | J1850 bus+ | J1850 bus+ | J1850 bus+ | J1850 bus+ | | |
| 3 | UBP / LIN | UBP / LIN | UBP / LIN | UBP / LIN | | |
| 4 | Ground | Ground | Ground | Ground | | |
| 5 | Ground | Ground | Ground | Ground | | |
| 6 | CAN - H | CAN - H | CAN - H | CAN - H | | |
| 7 | K-line | K-line | K-line | K-line | | |
| 8 | | | | | | |
| 9 | SWC | | SWC | | | |
| 10 | J1850 bus- | J1850 bus- | J1850 bus- | J1850 bus- | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | V-Batt + | V-Batt + | V-Batt + | V-Batt + | | |
| 14 | CAN - L | CAN - L | CAN - L | CAN - L | | |
| 15 | L-line | L-line | L-line | L-line | | |

AVT-718 shown with JP1 jumpers installed.

AVT-718 column #1 for board revision levels "A" through "G".

AVT-718 column #2 for board revision level "AA".

AVT-418 column #1 for board revision levels "A" through "C".

AVT-418 column #2 for board revision level "TBD".

Pin Assignments by Model Number -
 J1962 Connector (OBD-II)
 [using the AVT OBD-II cable]

| <u>J1962 Pin #</u> | <u>512</u> | <u>715</u> | <u>715 - CCD</u> | <u>716</u> | <u>717</u> | <u>921</u> |
|------------------------|------------|------------|------------------|------------|------------|------------|
| 1 | | | | | UBP | |
| 2 | J1850 bus+ | J1850 bus+ | J1850 bus+ | J1850 bus+ | | 1850 bus + |
| 3 | UBP / LIN | Ground | CCD bus + | CCD bus + | | Ground |
| 4 | Ground | Ground | Ground | Ground | Ground | Ground |
| 5 | Ground | Ground | Ground | Ground | Ground | Ground |
| 6 | CAN - H | | SCI Tx | | CAN - H | |
| 7 | K-line | | SCI Rx | K-line | | |
| 8 | | | | | | |
| 9 | SWC | | | ALDL | SWC | |
| 10 | J1850 bus- | J1850 bus- | J1850 bus- | J1850 bus- | | 1850 bus - |
| 11 | | | CCD bus - | CCD bus - | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | CAN - L | | | | CAN - L | |
| 15 | | | /SCI Rx | L-line | | |
| 16 | V-Batt + | V-Batt + | V-Batt + | V-Batt + | V-Batt + | V-Batt + |

Pin Assignments by Model Number -
 J1962 Connector (OBD-II)
 [using the AVT OBD-II cable]

| <u>J1962</u> <u>Pin #</u> | <u>931</u> | <u>718</u> column #1 | <u>718</u> column #2 | <u>418</u> column #1 | <u>418</u> column #2 | |
|------------------------------|------------|-------------------------|-------------------------|-------------------------|-------------------------|--|
| 1 | | | SWC | | SWC | |
| 2 | 1850 bus + | J1850 bus+ | J1850 bus+ | J1850 bus+ | J1850 bus+ | |
| 3 | | UBP / LIN | UBP / LIN | UBP / LIN | UBP / LIN | |
| 4 | Ground | Ground | Ground | Ground | Ground | |
| 5 | Ground | Ground | Ground | Ground | Ground | |
| 6 | | CAN - H | CAN - H | CAN - H | CAN - H | |
| 7 | | K-line | K-line | K-line | K-line | |
| 8 | | | | | | |
| 9 | | SWC | | SWC | | |
| 10 | 1850 bus - | J1850 bus- | J1850 bus- | J1850 bus- | J1850 bus- | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | CAN - L | CAN - L | CAN - L | CAN - L | |
| 15 | | L-line | L-line | L-line | L-line | |
| 16 | V-Batt + | V-Batt + | V-Batt + | V-Batt + | V-Batt + | |

AVT-718 shown with JP1 jumpers installed.

AVT-718 column #1 for board revision levels "A" through "G".

AVT-718 column #2 for board revision level "AA".

AVT-418 column #1 for board revision levels "A" through "C".

AVT-418 column #2 for board revision level "TBD".

Pin Assignments by Model Number - Board Connector

| <u>8x2 pin header pin #</u> | <u>715 "A"</u> | <u>715 "E"</u> | <u>715 - CCD</u> | <u>716</u> | <u>717</u> | <u>931</u> |
|-------------------------------------|----------------|----------------|------------------|------------|------------|------------|
| 1 | | [Vcc] | | | UBP | |
| 3 | J1850 bus+ | J1850 bus+ | J1850 bus+ | J1850 bus+ | | J1850 bus+ |
| 5 | Ground | Ground | CCD bus + | CCD bus + | | |
| 7 | Ground | Ground | Ground | Ground | Ground | Ground |
| 9 | Ground | Ground | Ground | Ground | Ground | Ground |
| 11 | | [/Idle] | SCI Tx | | CAN - H | |
| 13 | | [RxdB] | SCI Rx | K-line | | |
| 15 | | [Frq. Slct.] | | | | |
| 2 | | [Vcc] | | ALDL | SWC | |
| 4 | J1850 bus- | J1850 bus- | J1850 bus- | J1850 bus- | | J1850 bus- |
| 6 | | [/Brk] | CCD bus - | CCD bus - | | |
| 8 | | [Op. Clk.] | | | | |
| 10 | V-Batt + | V-Batt + | V-Batt + | V-Batt + | V-Batt + | V-Batt + |
| 12 | | [Mode] | | | CAN - L | |
| 14 | | [TxdB] | /SCI Rx | L-line | | |