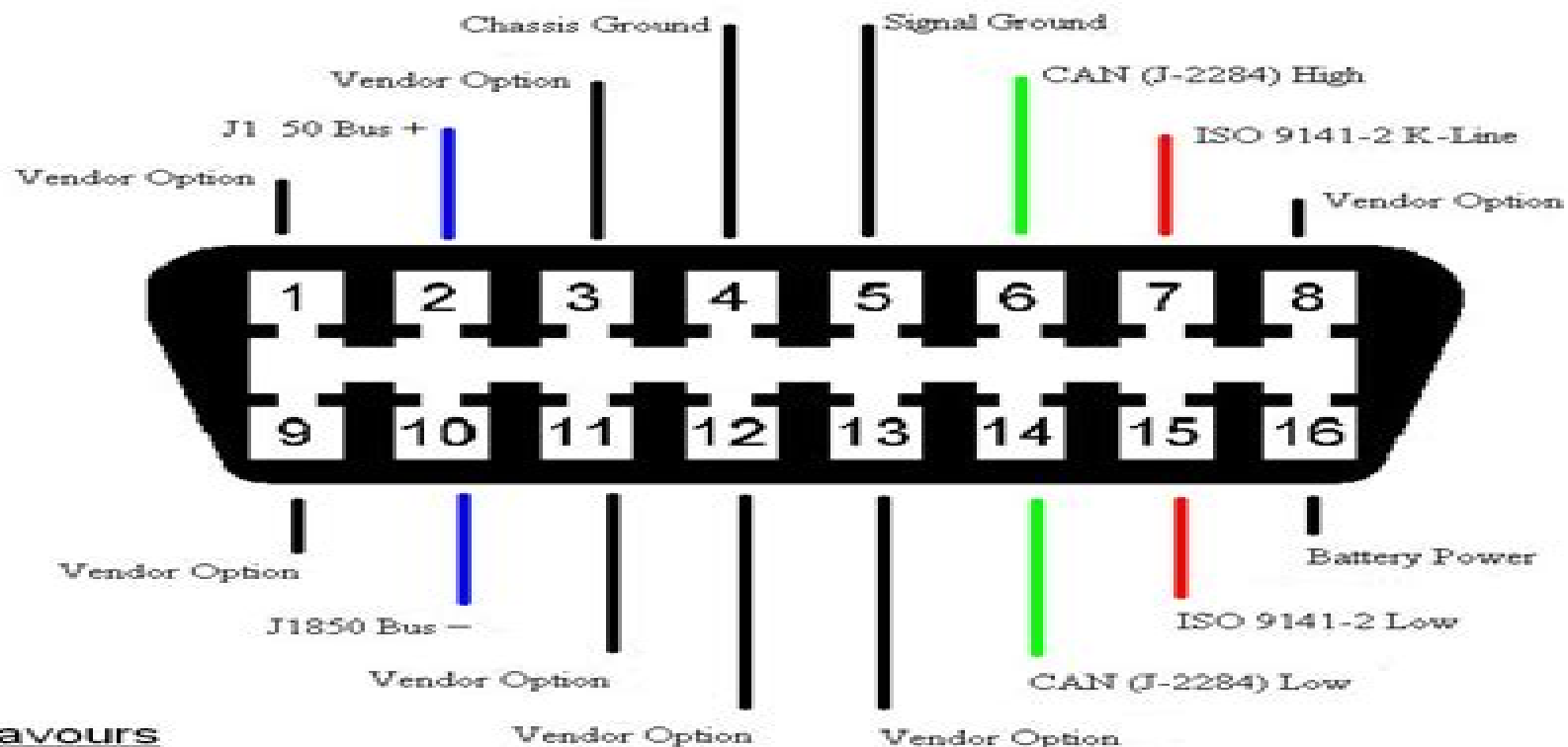


## OBD-II Connector and Pinout



## Flavours

### J1850 Bus

SAE J1850 PWM(41.6Kbaud) (pulse width modulation) - used by Ford Motor Company and Mazda  
 SAE J1850 VPW(10.4Kbaud) (variable width modulation) used by General Motors and in light trucks

### ISO 9141-2 K-Line

ISO9141-2(5 baud init,10.4Kbaud) older protocol in Chrysler, European, and Asian vehicles between 2000-2004  
 ISO14230-4 KWP(5 baud init,10.4 Kbaud) KWP2000 (keyword protocol 2000) commonly used in cars from 2003  
 ISO14230-4 KWP(fast init,10.4 Kbaud)

### CAN

J2284/3 - High-Speed CAN (HSC) for Vehicle Applications at 500 KBPS  
 ISO15765-4 CAN(11bit ID,500 Kbaud) ISO 15765-4 CAN-BUS = first introduced in 2004 then mandatory in all vehicles from 2008  
 ISO15765-4 CAN(29bit ID,500 Kbaud)  
 ISO15765-4 CAN(11bit ID,250 Kbaud)  
 ISO15765-4 CAN(29bit ID,250 Kbaud)  
 A.SAE J1939 CAN(29bit ID,250\*Kbaud)  
 B.USER1 CAN(11\*bit ID,125\*Kbaud)  
 C.USER2 CAN(11\*bit ID,50\*Kbaud)

### ISO



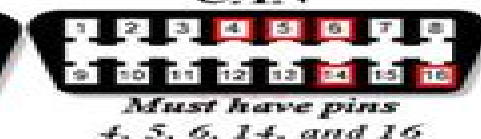
### VPW



### PWM



### CAN



# Obd Plug Manual Guide

**Phil Edmonston**



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