

CAN Bus Locations

Example locations for CAN Bus wiring

Application Information

This information is provided only as a guide for location of CAN wiring in various vehicles. RaceLogic assume no responsibility for damage due to incorrect wiring of this product.

CAN Bus is a widely used multiplex wiring system that has been adopted by most vehicle manufacturers. Other multiplex systems do exist such as VAN and J1850 but these are not compatible with CAN Bus.

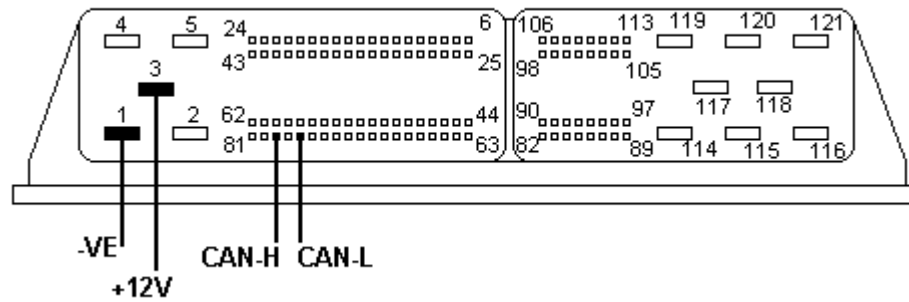
Some newer vehicles have the CAN Bus wires available on the OBD-II diagnostic connector. However, the majority of vehicle makes do not make the CAN bus wiring available on this connector. In these cases, it will be necessary to hard-wire the CAN interface to the vehicle CAN Bus. If in any doubt about fitting please refer to a qualified vehicle electrician for advice.

CAN Bus Locations

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CAN Bus Locations

Audi

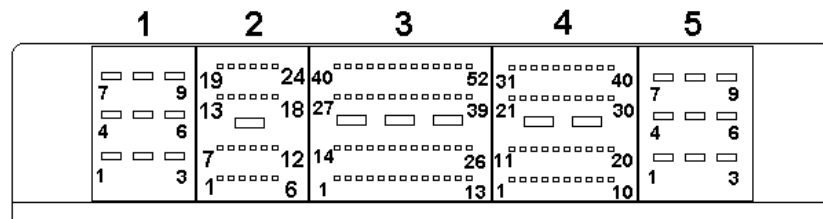


View of Engine Control Unit

Pin Number	Description	
77	CAN LOW	ORANGE / BROWN
79	CAN HIGH	ORANGE / BLACK
1	Ground	
3	+12v Power	

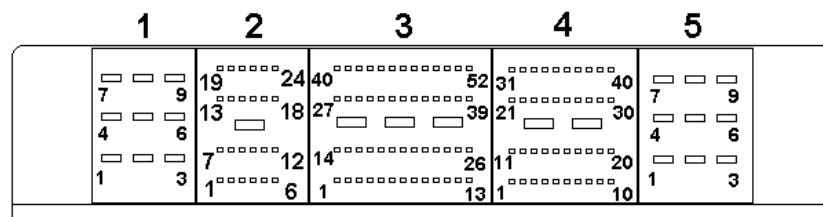
CAN Bus Locations

BMW
(Early
models)



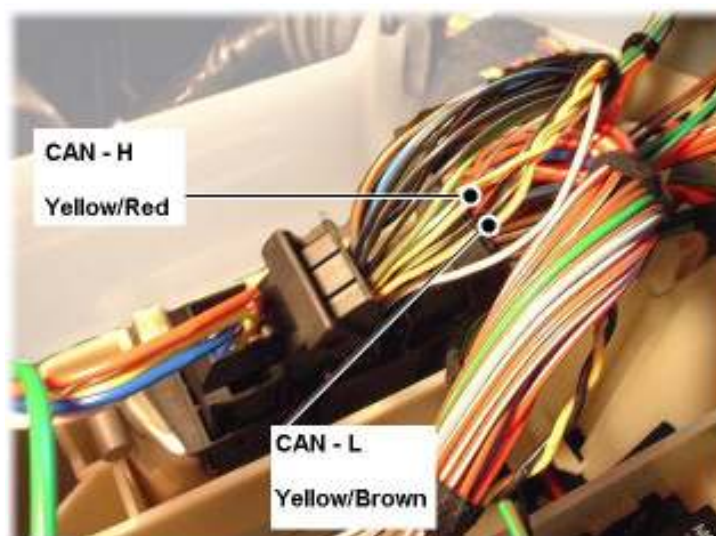
Plug Number	Pin Number	Description
2	3	CAN HIGH
2	4	CAN LOW
1	6	Ground
1	8	12V

BMW
(Late
models)



Plug Number	Pin Number	Wire Colour	Description
4	36	Yellow / Red	CAN HIGH
4	37	Yellow / Brown	CAN LOW
1	6	Brown	Ground
1	8	Red / White	12V

BMW (Late
models)



View of Engine ECU

CAN Bus Locations

New BMW 3 Series

Wire Colours	CAN HIGH	YELLOW with RED trace
	CAN LOW	YELLOW with BROWN trace



Picture from New Model BMW 3 series
Wiring on rear of instrument cluster

CAN Bus Locations

New BMW 5 Series

Wire Colours	CAN HIGH	Black
	CAN LOW	YELLOW



Picture from 2003 Model BMW 53
series
Wiring on rear of instrument cluster

CAN Bus Locations

BMW Mini

Wire Colours	CAN HIGH	Yellow / Black
	CAN LOW	Yellow / Brown
<p>Remove Rev-counter by unscrewing 2 Torx screws on top bracket.</p>		
	<p>CAN High and CAN Low can be found on plastic connector.</p> <p>CAN High = Yellow / Black</p> <p>CAN Low = Yellow / Brown</p> 	

CAN Bus Locations

Citroen C5

*Please note that there are two separate sets of white/grey twisted wires on the C5. Please check that the white wire is marked with the circuit number '9000'



Location of ECU under bonnet



CAN Bus connection

CAN Bus Locations

Fiat Stilo

Wire Colours	CAN HIGH	PINK / BLACK
	CAN LOW	PINK / WHITE



Picture from Fiat Stilo 16V

CAN Bus Locations

Honda Accord (new)



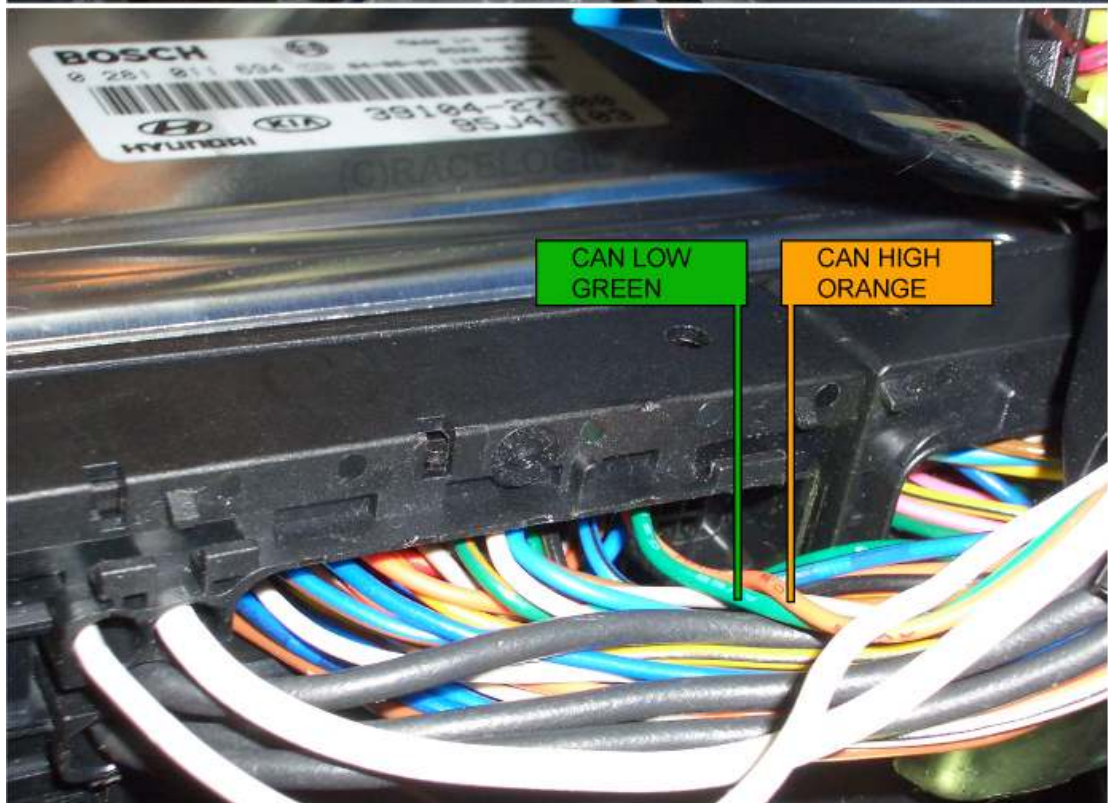
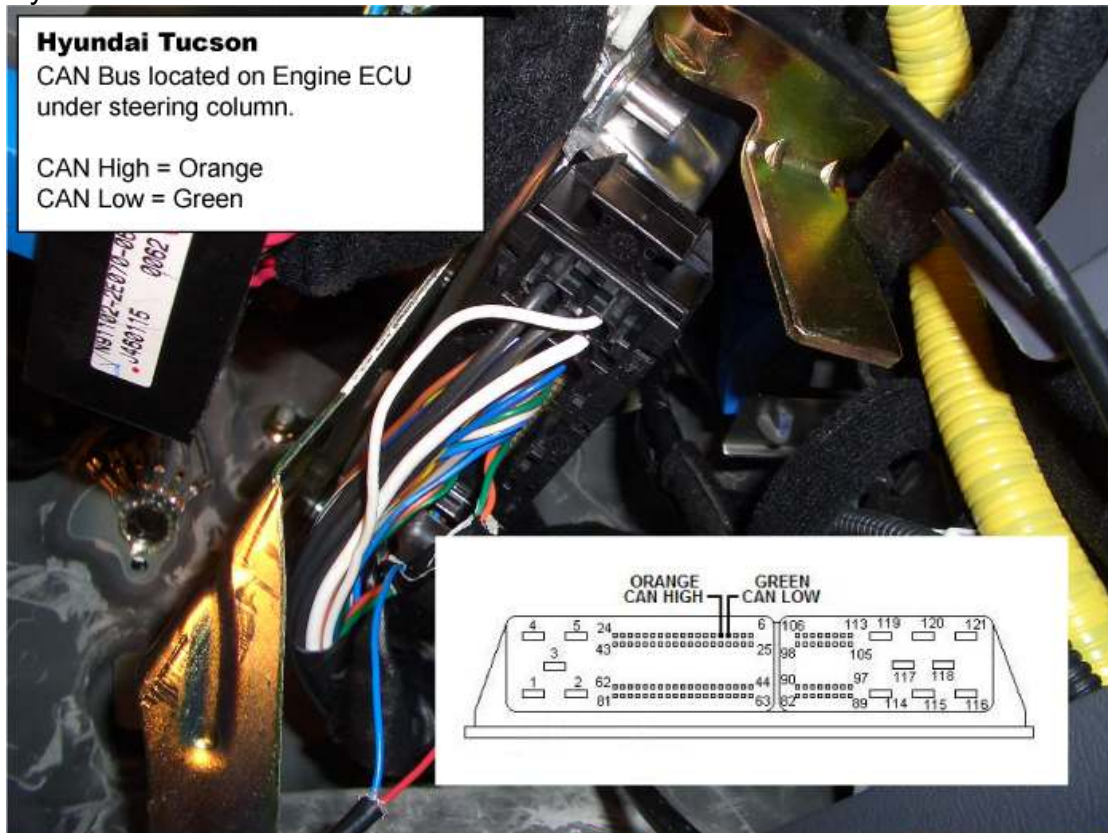
CAN Bus Locations

Hyundai Tucson

Hyundai Tucson

CAN Bus located on Engine ECU
under steering column.

CAN High = Orange
CAN Low = Green

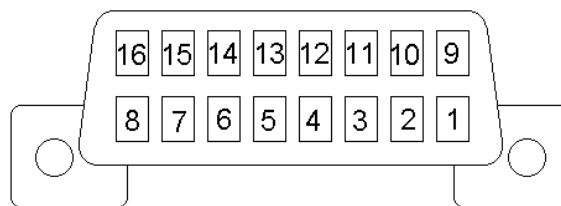


CAN Bus Locations

JAGUAR X-
Type



Diagnostic Socket

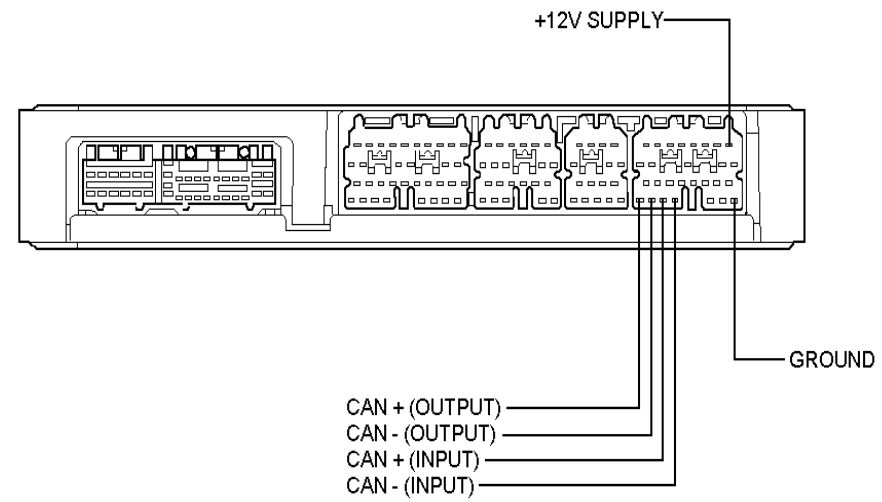


ODB2 Connector

PIN	Function
14	CAN LOW
6	CAN HIGH

CAN Bus Locations

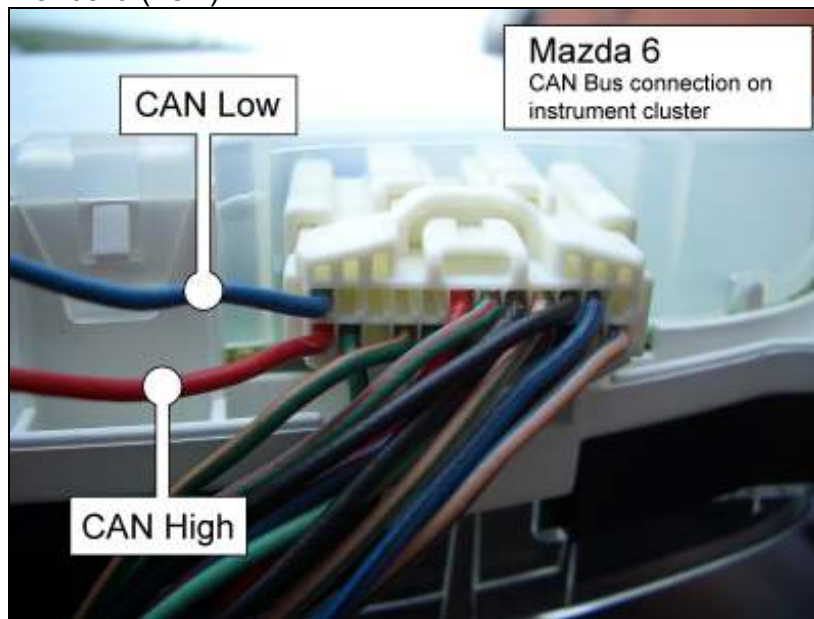
JAGUAR
XK8/XKR/XJR



Engine Control Unit

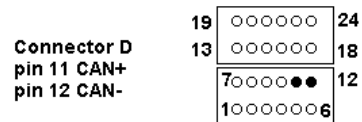
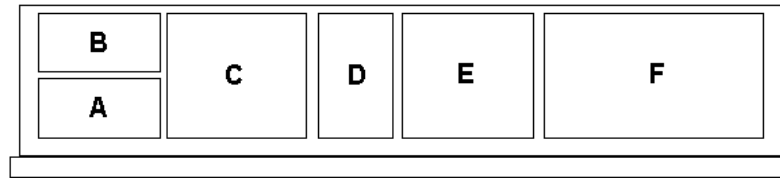
CAN Bus Locations

Mazda 6 (new)



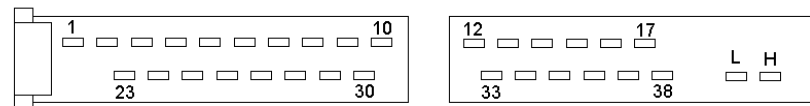
CAN Bus Locations

Mercedes



Engine Control Unit

Mercedes




Transmission Control Unit (5 Speed Automatic)

Pin	Description
30	Ground
29	+12v
L	CAN LOW
H	CAN HIGH

CAN Bus Locations

Mercedes C class Auto

Wire Colours	CAN HIGH	Green / White
	CAN LOW	Green
		
<p>Picture from New Model Mercedes C240</p>		

CAN Bus Locations

Nissan Micra (new)



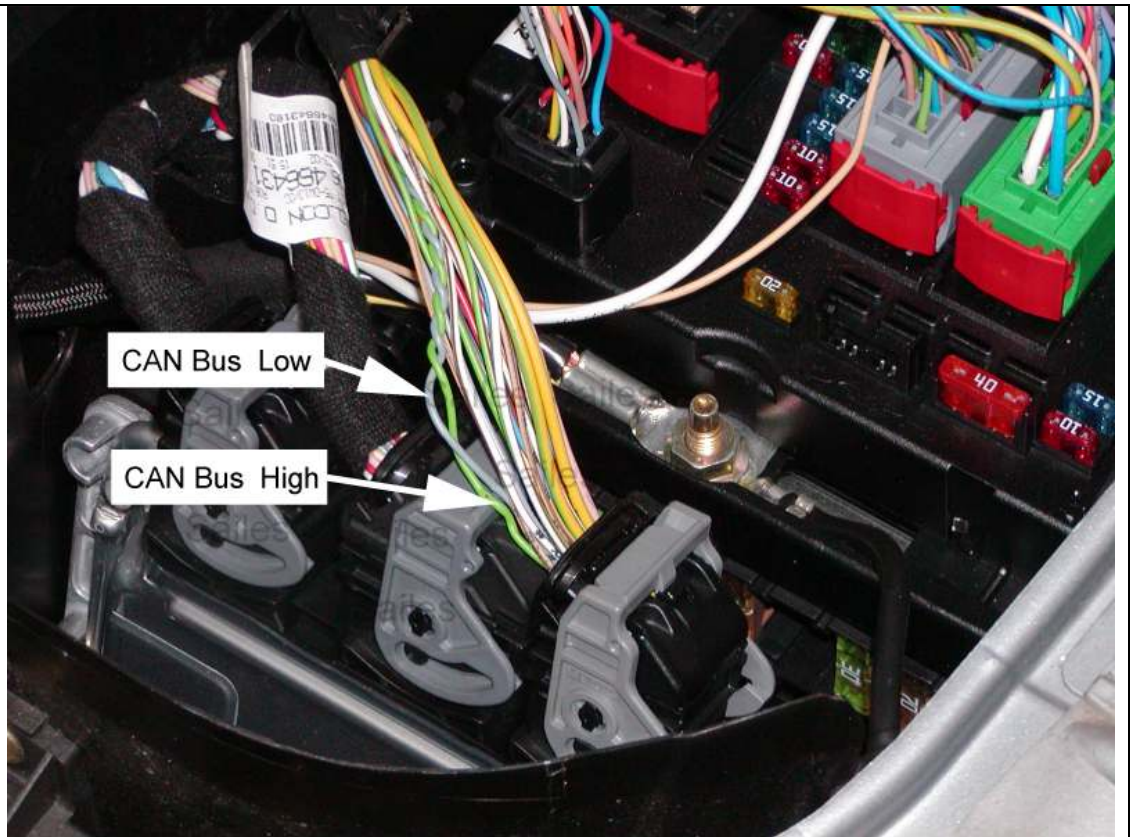
Nissan Primera (new)



* Note that on some Nissan Primera vehicles, CAN Low is on Pin 14 while CAN High remains on pin 6

CAN Bus Locations

Peugeot
307
estate



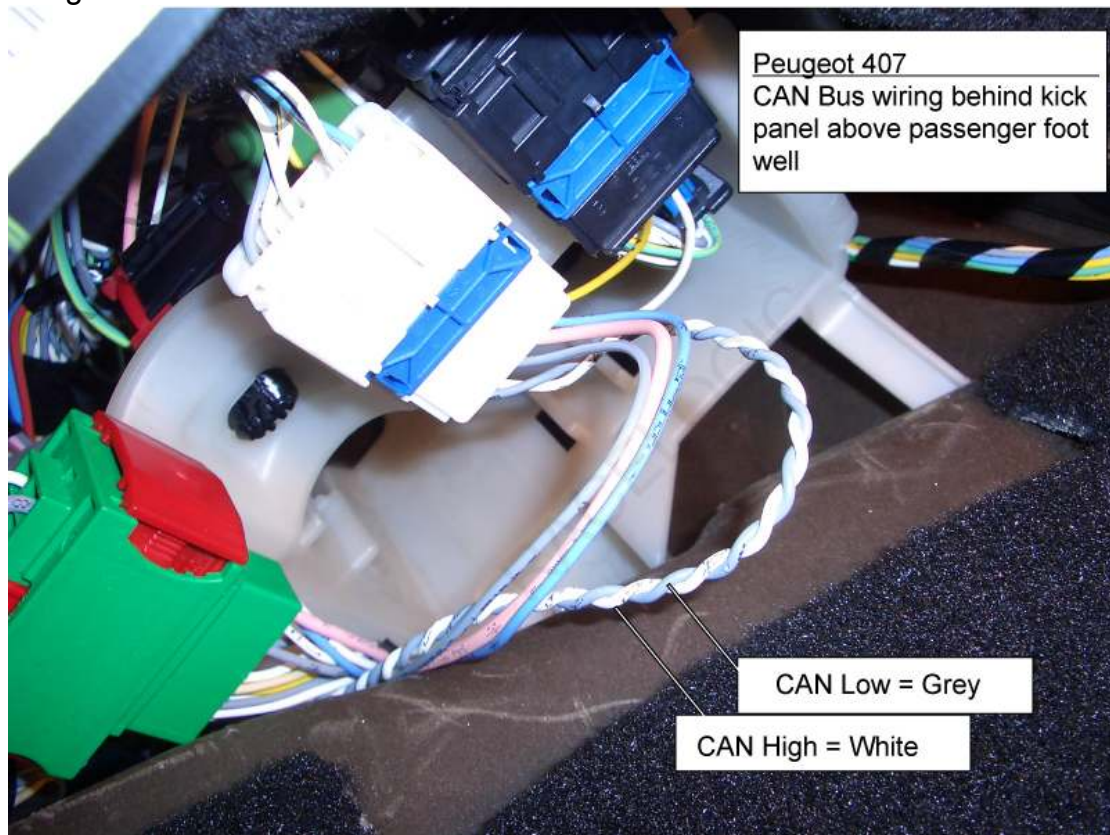
CAN Bus Locations

Peugeot 307 update



CAN Bus Locations

Peugeot 407



Steering wheel and EMS

CAN Bus Locations

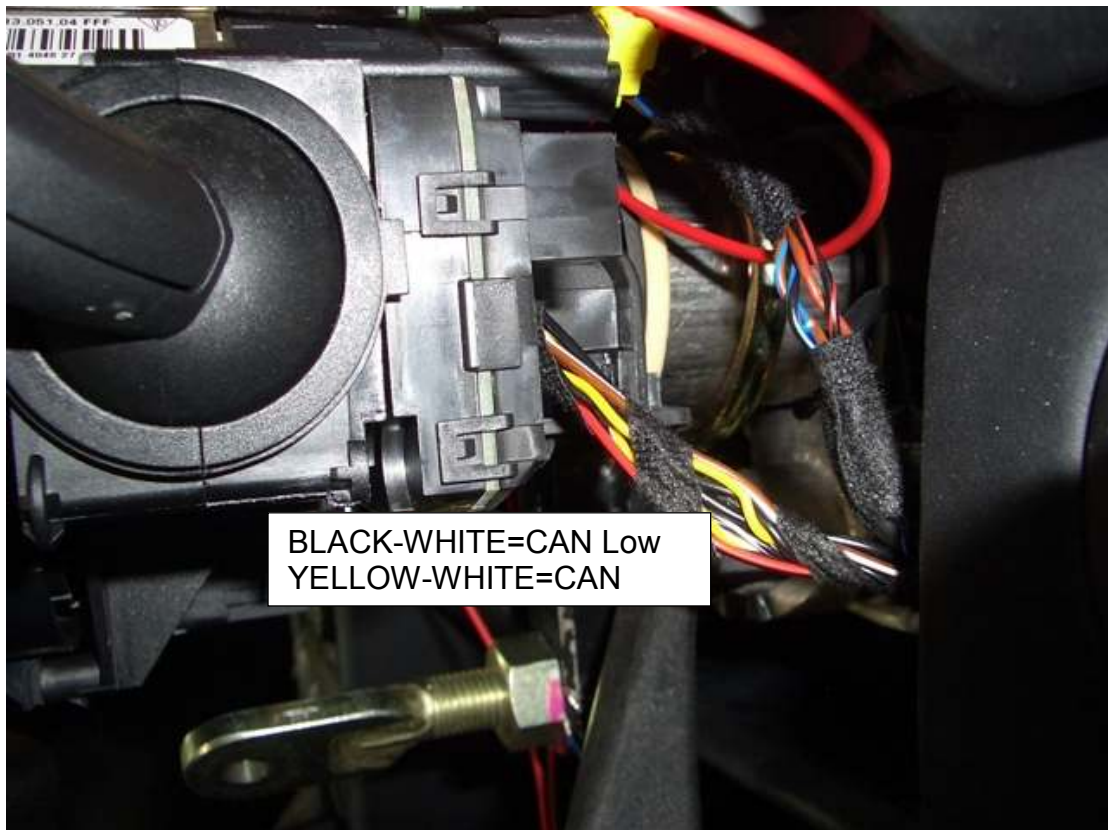
Porsche 911

Steering Wheel

Twisted pair

BLACK-WHITE=CAN Low

YELLOW-WHITE=CAN High

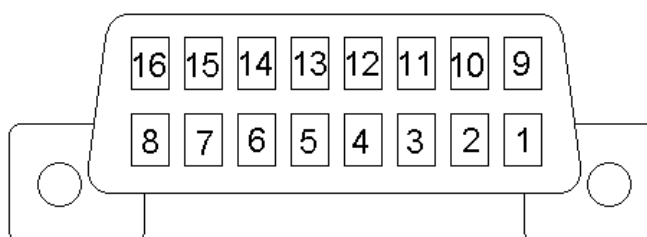


CAN Bus Locations

Renault Laguna
MK2



OBD 2 connector location



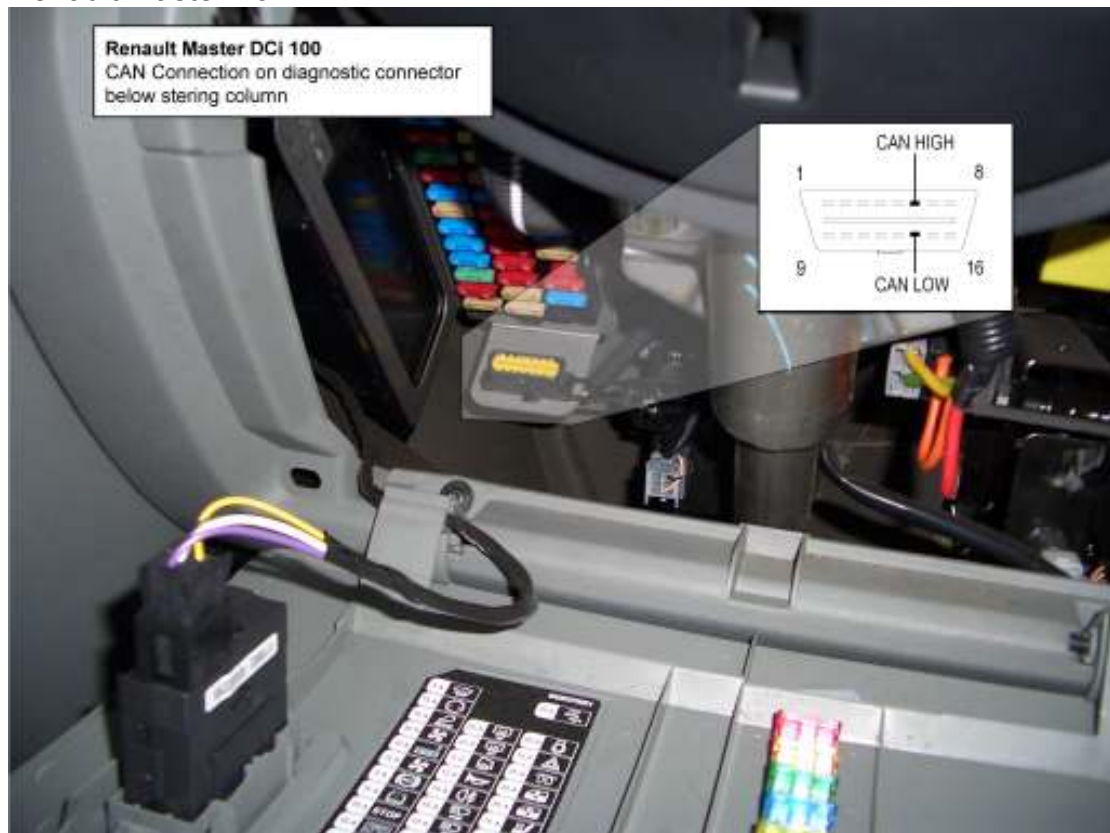
ODB2 Connector

PIN	Function
14	CAN LOW
6	CAN HIGH

Engine controller. Near side under bonnet

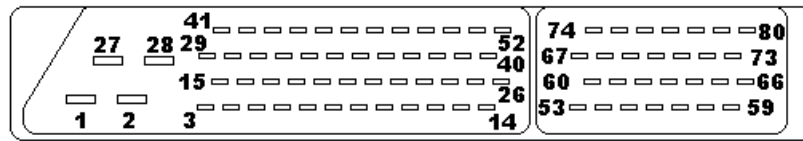
CAN Bus Locations

Renault Master Van



CAN Bus Locations

ROVER 75

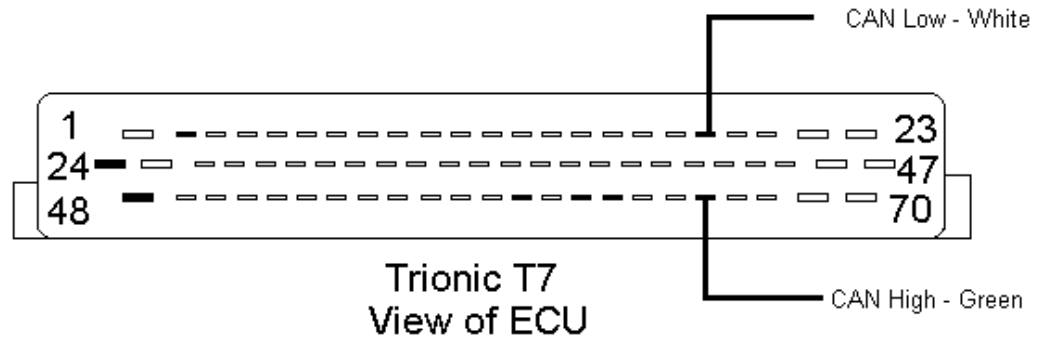


Petrol Engine Control Unit MEMS3

Wire Colour	Pin Number	Description
Yellow/Black	65	CAN HIGH
Yellow/Brown	79	CAN LOW

CAN Bus Locations

SAAB
95



View of Engine Control Unit

Pin Number	Description
19	CAN LOW White
66	CAN HIGH Green
25 or 62	Ground
23 or 43	+12v Power



SAAB 95 ECU location

CAN Bus Locations


SAAB 95



CAN Bus Locations

Seat Leon

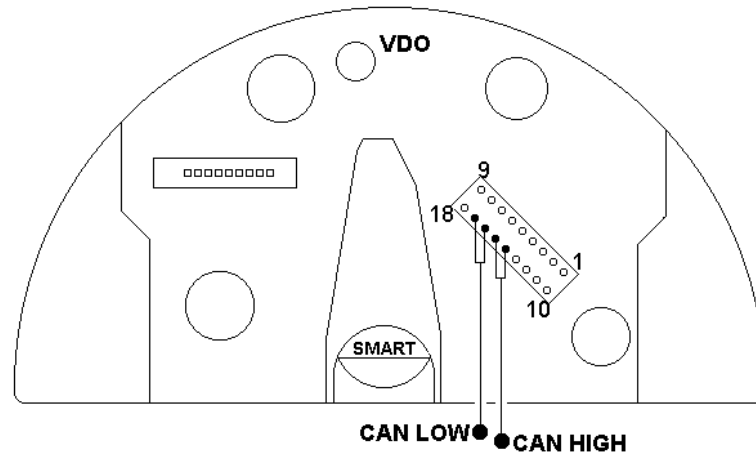
Wire Colours	CAN HIGH	ORANGE / BLACK
	CAN LOW	ORANGE / BROWN



SEAT Leon ABS connector.
Passenger side at rear of engine bay

CAN Bus Locations

SMART



Back view of dashboard

Wire Colour	Pin Number	Description
Brown/Red	14 or 15	CAN HIGH
White/Black	16 or 17	CAN LOW

CAN Bus Locations

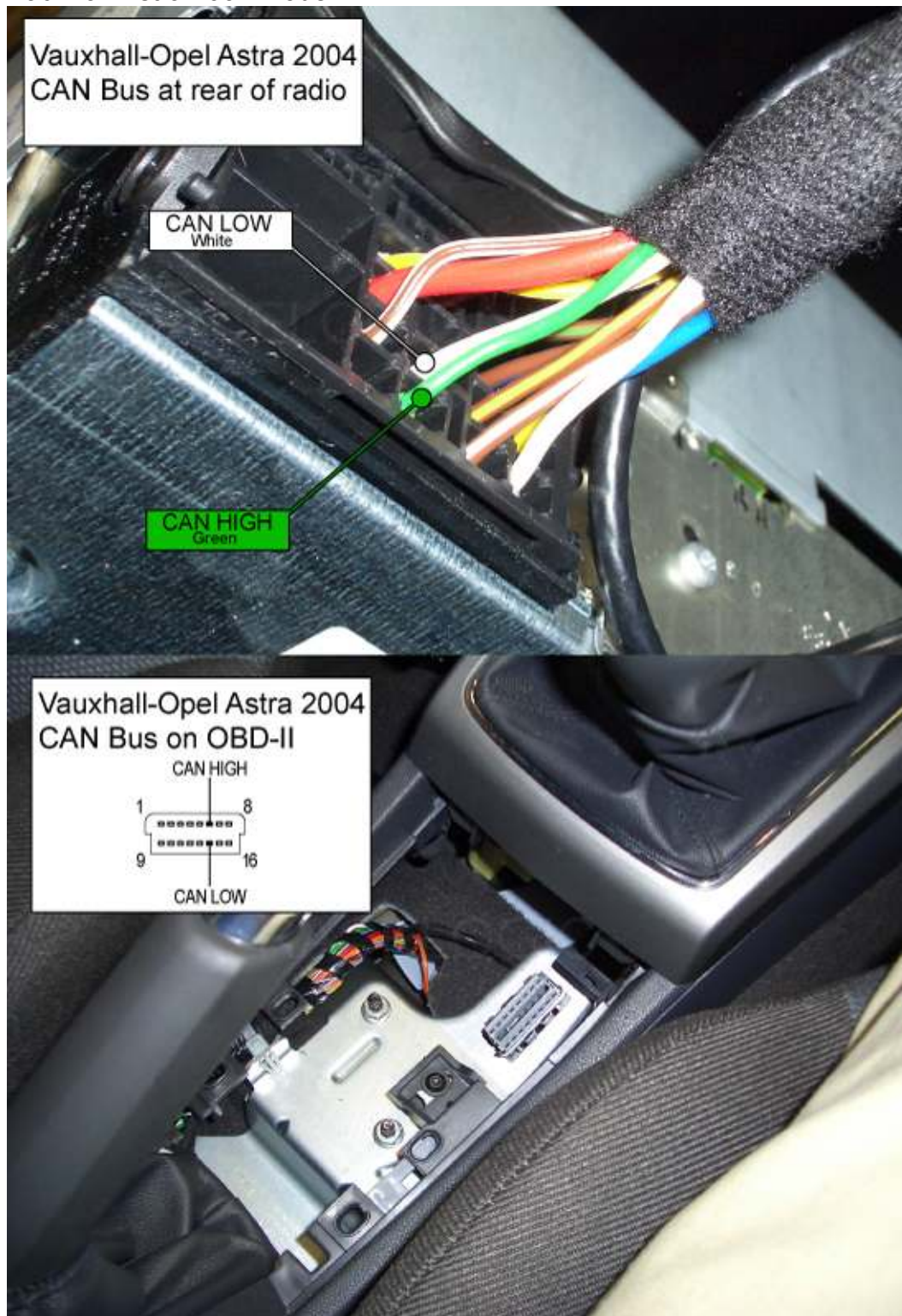
Vauxhall/Opel Vectra MK2



CAN Bus on diagnostic connector of Vectra Mk2

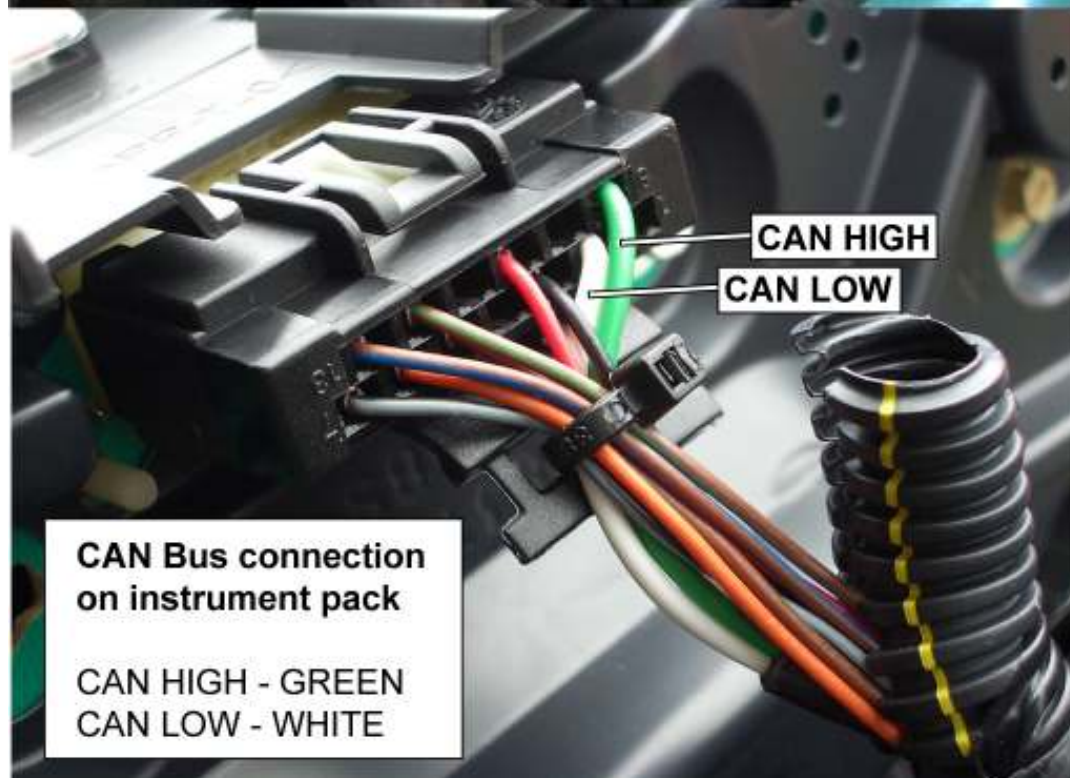
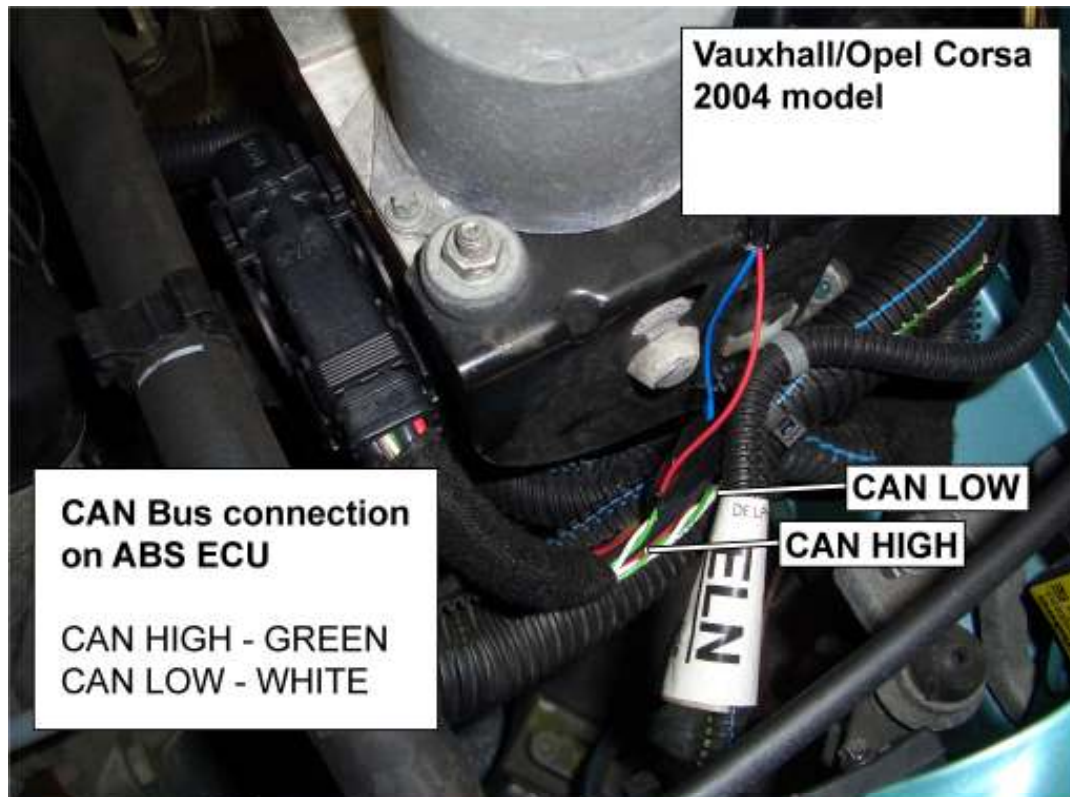
CAN Bus Locations

Vauxhall Astra 2004 model



CAN Bus Locations

Vauxhall Corsa 2004 model



CAN Bus Locations

Volkswagen



VW Sharan TDI Engine control unit

Wire	Colour
CAN LOW	ORANGE / BROWN
CAN HIGH	ORANGE / BLACK

Volkswagen New Beetle

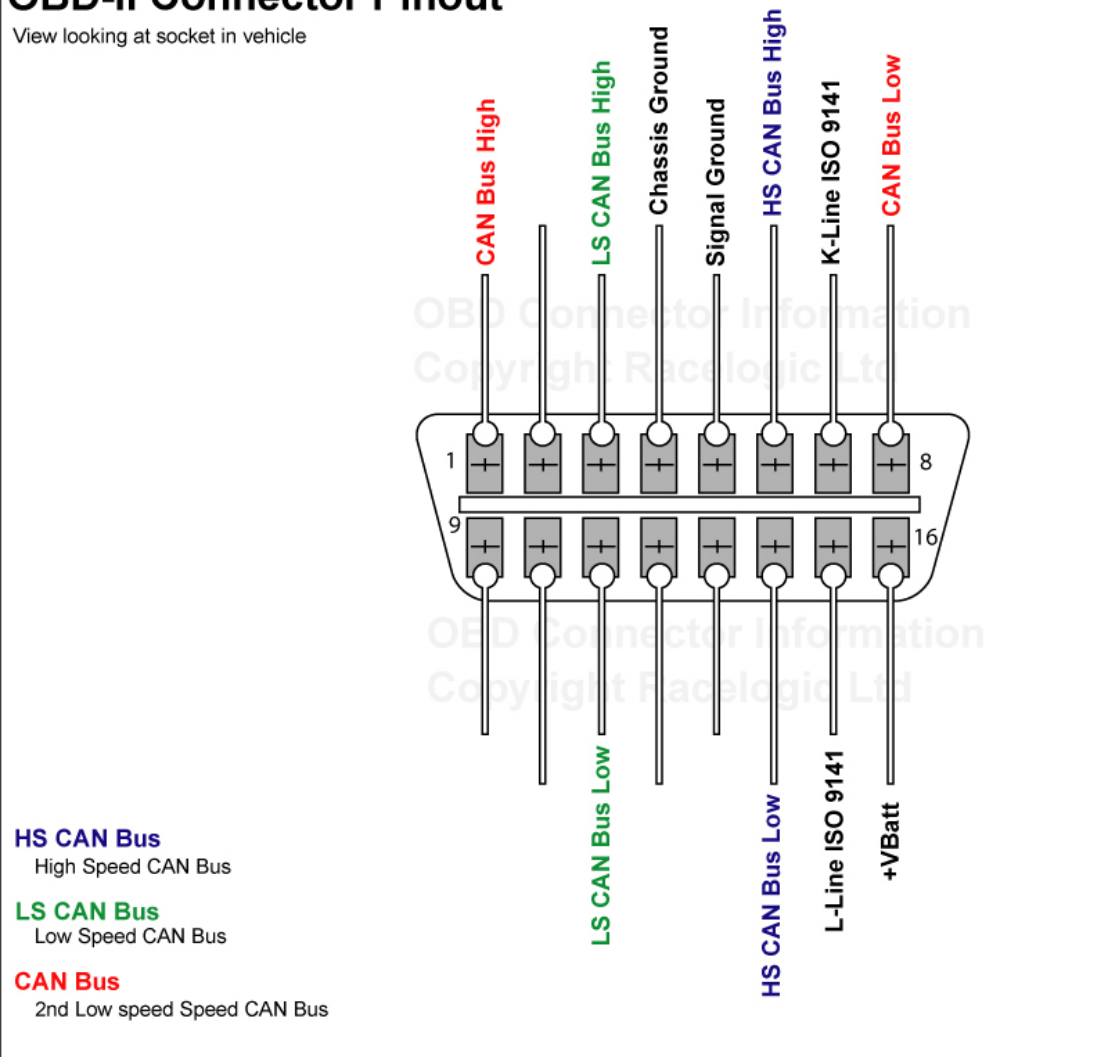


CAN Bus Locations

OBD-II Connector

OBD-II Connector Pinout

View looking at socket in vehicle



Some vehicles have CAN Bus data available on the OBD diagnostic connector. If CAN Bus is available it will usually be on the standard OBD assigned pins which are 6 for CAN High and 14 for CAN Low as shown above.

PIN	Function
14	CAN LOW
6	CAN HIGH

On Some vehicles CAN bus signals are transmitted on a Low speed CAN bus that can be found on pins 3 and 11.

PIN	Function
11	CAN LOW
3	CAN HIGH