



# CAN Bus Interface Unit

Part no: CB-1

The CB-1 CAN Interface is a simple signal output device for obtaining a vehicle speed pulse from virtually any vehicle using CAN Bus.

Now compatible with **40 vehicle manufacturers** covering **260+** different models.

**NOW INCLUDES: BMW 5- series (F10) 2010**

## Vehicle Manufacturer coverage:

ALFA ROMEO	ASTON MARTIN	AUDI	BMW	CHRYSLER
CITROEN	DODGE	FERRARI	FIAT	FORD
GM/CADILLAC	HONDA	HYUNDAI	IVECO	JAGUAR
JEEP	KIA	LAMBORGHINI	LANDROVER	LEXUS
MAZDA	MERCEDES	MINI	MITSUBISHI	NISSAN
PEUGEOT	PORSCHE	RENAULT	ROVER	SAAB
SEAT	SKODA	SMART Car	SSANG YONG	SUBARU
SUZUKI	TOYOTA	VAUXHALL	VOLKSWAGEN	VOLVO

## CAN INTERFACE RANGE

### Outputs

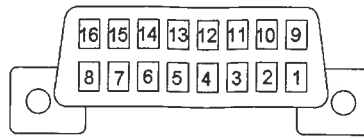
	Speed	RPM	Hand Brake*	Lights*	Reverse*	Ignition*	Ignition* (relay required)	Speed Switch
CB-1	√							
CB-2	√	√						
CB-6	√	√	√	√	√		√	
CB8-R	√	√	√	√	√	√		
CB-P	√				√	√		√
CB2PK					√			√
SCPTRAN2	√	√						
CB7	√				√			

Please note: All connections are for guidance only and to the best of our knowledge. We cannot be held responsible for changes made by the vehicle manufacturer; they only act as a guide for fitting. Check CAN application list for vehicle compatibility.

\* Outputs dependant on vehicle configuration.

**Continual development is a commitment to meet retrofit demands in the future.**

## CAN & SCPTRAN Multiplex Bus types



OBD-II Connector

Pin	Function	Details	
2	SCP+ (J1850+)	For CB7 and SCPTRAN2 use only	
10	SCP- (J1850-)		
6	CAN Bus HIGH	High Speed Bus	* For CB-1 and CB8-R use only
14	CAN Bus LOW		
3	CAN Bus HIGH	Low Speed Bus	* For CB-1 and CB8-R use only
11	CAN Bus Low		

\* Please refer to fitting instructions.

CAN Bus and SCP Bus are two completely different types of multiplex vehicle bus. CAN Bus was developed by Bosch and is widely used in modern vehicles. SCP (sometimes also called J1850 PWM) is a Ford designed multiplex bus system and is generally found only on Ford vehicles. Early models of the Jaguar S-Type used the SCP Bus due to Ford's heavy involvement in the design of this car. Later facelift models, however, have replaced the SCP in favour of CAN Bus.

CAN Bus and SCP Bus are entirely different in operation. The concept is the same but voltage levels and data format are not.

Modern vehicles now have a standard diagnostic connector. This is referred to as the OBD (On Board Diagnostic) connector. The pin-out of this connector has been standardised for all vehicle manufacturers. This means that if the manufacturer connects the CAN Bus to the diagnostic connector (not always the case) then he has to connect it to Pins 6 and 14 or Pins 3 and 11 of the OBD socket. If SCP Bus is connected to the OBD socket, you will find it on Pins 2 and 10.

Connecting a CAN Bus interface to a SCP Bus, or vice-versa, is a pointless and, maybe, even costly exercise.

Another point to note is that both Busses are polarised. CAN is referred to as HIGH/LOW while the SCP is referred to as +/- . It is important in each case that the interface wires are connected to the correct wires.

## CAN BUS INTERFACE Part no: CB-1

### Function

The CAN Bus interface is designed to provide a vehicle speed signal for vehicles using a CAN Bus system. It is programmed to automatically detect the vehicle type and it will give a frequency output of approximately 1Hz per mph.

### Feature

The CB-1 features built-in diagnostic LEDs to indicate CAN Bus status and speed pulse output to aid the installation process. After power-up:

Stage 1: Both LEDs light for approx 1 second

Stage 2: Green LED on while the CB-1 listens for CAN Bus data

Stage 3: Red LED indicates CAN has been detected. CB-1 now detecting vehicle type

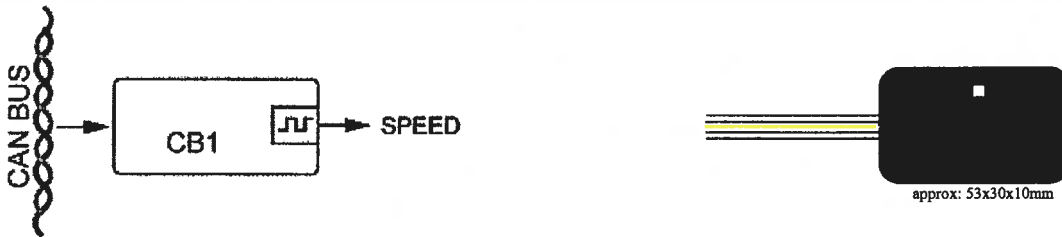
Stage 4: Once vehicle type is determined the Green LED should pulse when vehicle is driven. Red LED should stay on.

**Please note:** If LEDs do not follow the above sequence it is still advisable to drive the vehicle to see if a speed pulse signal is still actually being produced by the CB-1. It is possible that some vehicles will perform in a different manner.

### Fitting

The CAN Bus uses two wires for data transmission. One is called CAN\_HIGH and the other called CAN\_LOW (sometimes marked as CAN+ and CAN- respectively). All connections should be made with an **insulated solder joint**. **Do not cut the CAN Bus wires**. We recommend fitting a 1 Amp fuse to the 12V supply.

### Controller Area Network (CAN)



### Module Information

Wire Colours CAN Bus interface CB-1		
Colour	I/O	Function
Black	I	Ground
Red	I	Power +12V regulated ignition controlled supply via a 1 Amp fuse
Yellow	I	CAN High
Blue	I	CAN Low
Orange	O	Speed Pulse Output 12V

Output specification	
Vehicle Speed	Approximately 3600 pulses per mile

Inputs	
Power	+12v DC approx 30mA

## General Installation Notes   CB-1 CAN Bus interface

**IMPORTANT NOTICE:** All connections are for guidance only and to the best of our knowledge. We cannot be held responsible for changes made by the vehicle manufacturer, they only act as a guide for fitting. The CAN Bus system is growing in use by American and European vehicle manufacturers. Unfortunately, they do not conform to any one standard or wiring concept. Colours can vary as well as location and layout of ECU's. In addition, a vehicle can have more than one CAN Bus system, with potentially only one set carrying the speed pulse data.

It is also advisable to disconnect the CAN / SCP interface before any diagnostic work is carried out on the vehicle. This will prevent any possible damage to the interface and also allow any diagnostic work to be carried out successfully.

1. Because manufacturers continually change the pin configuration of the plugs, it is advisable to pick up Pos and Neg for powering the interface from an alternative supply, preferably a good ignition controlled regulated supply. A good earth is absolutely essential.
2. The CAN Bus interface is at times blamed for faults which are not of its making. It only reads data, it *does not write* data to the vehicle system. In addition, it has such high internal impedance that it cannot affect the vehicle operation. However, there is an unwritten law with garages that states the last thing fitted to the vehicle *must* be the cause of any problem! So the simplest answer to this type of response is to just disconnect the interface. If the problem still exists then, of course, it is not being caused by the interface unit.
3. It would be good practice to connect the CAN High and CAN Low wires before powering up the CB1 interface, so removing any possibility of shorting.

While the power wires can be extended, it is *not* advisable to extend the CAN High and Low leads. If there is a need to extend the signal lead (Orange), please ensure that it is run to its destination *avoiding* being close to equipment that might give off pulses which could be picked up by this wire, such as ignition or heater fans, etc. Common sense tells you that each wire can become an aerial for extraneous signals within a vehicle environment.

# Vehicle

## Location of CAN wires

## Wire Colours (colours may vary)



Vehicle	Location of CAN wires	Wire Colours (colours may vary)
Alfa 147, 156,166	ECU inside black waterproof box under bonnet. Passenger side at back of engine bay. Or transmission Control Unit under metal kick panel on floor at front of passenger foot well.	Brown CAN Low. Green CAN High.
Alfa Mito	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High.	
Aston Martin V8 Vantage & DB9	CAN wires are located at the OBDII connector marked 'body'. Pin 14 CAN Low, Pin 6 CAN High. Or, at the back of the speedo, Pin 5 CAN Low, Red/Black & Pin 4 CAN High, Red/Green.	Red/Black CAN Low Red/Green CAN High
Audi A1	CAN wires may be located behind panel between the steering column and pedals or behind glove box inside main wiring loom.	Orange/Brown CAN Low Orange/Black or Green CAN High
Audi A3 2002 +	On the driver's side, undo the panel under the dash to reveal a row of relays. Behind the relay board find the CAN wires at a White connector, or behind the glove box inside the main wiring loom.	Orange/Brown CAN Low Orange/Black CAN High
2005 +	CAN wires can be located at the rear of the instrument cluster	Orange/Brown CAN Low Orange/Purple or Orange/Blue CAN High
Audi A4 2001+ 2009+	CAN wires may be located behind panel between the steering column and pedals or behind glove box inside main wiring loom.	Orange/Brown CAN Low Orange/Black or Blue CAN High
Audi A5	CAN wires may be located behind panel between the steering column and pedals. Or at back of speedo.	Orange/Brown CAN Low Orange/Blue CAN High
Audi A6	CAN wires may be located behind panel between the steering column and pedals or behind glove box inside main wiring loom. Or, CAN wires may be located behind end panel of dash on drivers side above fuse box, black connector with purple clip	Orange/Brown CAN Low Orange/Black CAN High
Audi A7	CAN wires may be located below steering column in the main wiring loom	Orange/Brown CAN Low Orange/Black CAN High
Audi A8 2002 +	CAN wires located at the speedo or at the relay board behind the panel between the pedals and steering column.	Orange/Brown CAN Low Orange/Black or Blue CAN High
Audi Q5, Q7	CAN wires may be located under the dash in the main wiring loom	Orange/Brown CAN Low Orange/Black CAN High
Audi R8	CAN wires are located under dash behind A-pillar on passenger side. Or at the radio.	Orange/Brown CAN Low Orange/Black CAN High
Audi TT 2002-2009+	CAN wires may be found behind the glove box inside the main wiring loom or behind panel between the steering column and pedals	Orange/Brown CAN Low Orange/Black CAN High
BMW 1 Series	CAN wires may be located at the rear of the instrument cluster. Or, at the back of the radio.	Green CAN Low Orange/Green CAN High
BMW 3 Series 2002+	CAN wires are located at the rear of the instrument cluster.	Yellow/Brown CAN Low Yellow/Red CAN High
2005+	CAN wires may be found behind the glove box at a black connector. Or, CAN wires are located at the rear of the instrument cluster.	Green CAN Low Orange/Green CAN High
BMW 3 Series 2006+	CAN wires are located at the rear of the instrument cluster	Yellow CAN Low Black CAN High
BMW 5 Series 2001+	CAN wires are located in the passenger kickwell, inside main loom.	Yellow/Brown CAN Low Yellow/Black CAN High
BMW 5 Series 2003+	CAN wires are located at the rear of the instrument cluster	Yellow CAN Low Black CAN High
BMW 5 Series 2006+	CAN wires are located at the rear of the instrument cluster	Green CAN Low Green/Orange CAN High
BMW 5 Series (F10) <b>NEW</b> 2010+	CAN wires are located behind a cover by the drivers right knee, remove cover by undoing two screws, twisted pair of CAN wires in loom to ECU	Red CAN Low Blue/Red CAN High
BMW 6 Series 2004+	CAN wires are located at the rear of the instrument cluster	Green CAN Low Green/Orange CAN High
BMW 7 Series 2003+	CAN wires are located at the rear of the instrument cluster	Yellow CAN Low Black CAN High Or Green CAN Low Green / Orange CAN High
BMW 7 Series 2005+	CAN wires are located at the rear of the instrument cluster	Green CAN Low Green/Yellow CAN High
BMW MZ3 2002+	CAN wires can be found at the ECU located in the engine bay. Pin 36 Yellow is CAN High and Pin 37 Brown is CAN Low.	Brown CAN Low Yellow CAN high
BMW X1	CAN wires are located at the rear of instrument cluster	Green CAN Low Green/Orange CAN High
BMW X3	CAN wires are located at the rear of instrument cluster	Yellow/Brown CAN Low Yellow/Black CAN High

# Vehicle



## Location of CAN wires

## Wire Colours (colours may vary)

Vehicle	Location of CAN wires	Wire Colours (colours may vary)
BMW X5	CAN wires are located at the rear of instrument cluster. Or at main engine ECU, Plug 4.	Yellow/Brown CAN Low Yellow/Black CAN High Or Green CAN Low Green/Orange CAN High
BMW X6	CAN wires are located at the rear of instrument cluster	Green CAN Low Green/Orange CAN High
Cadillac BLS, CTS, Escalade 2006+	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Chevrolet Captiva	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Chevrolet Cruze	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Chevrolet Epica 2007+	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Chrysler 300C	Locate ECU behind panel on driver's side, plug A, Pin 35 CAN Low & Pin 34 CAN High. Or at radio connector.	White/Blue CAN Low White/Green CAN High. Or White/Orange CAN High, White CAN Low
Chrysler Crossfire	CAN wires can be found at the engine bay passenger side inside Black box, connector 4, Pin 1 and Pin 11	Green CAN Low White CAN High
Chrysler PT Cruiser (Diesel) 2006+	CAN wires are located at the ABS unit, Pin 11 CAN High & Pin 15 CAN Low	White/Blue CAN Low White/Green CAN High
Chrysler Sebring	CAN wires located in loom by the accelerator pedal or back of radio	White CAN Low Orange/White CAN High
Chrysler Voyager 2008+	CAN wires located under dash on drivers side in main loom.	White/Orange CAN Low White/Grey CAN High
Citroen Berlingo 2003+ 2008+	Under steering column at BSI unit, Black 40 Way plug, Pin 2 Green, Pin 4 Brown Locate OBDII connector in glove box, Pin 14 CAN Low, Pin 6 CAN High	Brown CAN Low Green CAN High
Citroen C2 2007+	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	Blue CAN Low White CAN High
Citroen C3	Locate the ECU by the battery, the twisted pair of CAN wires can be found in the middle 48-way connector or behind the glove box	Purple CAN Low Red CAN high
Citroen C4	Locate BSI module at the fuse box, Black 40 Pin connector, Pin 2 High, Pin 4 Low. May be marked 9000 & 9001	
Citroen C4 Picasso 2007+	Locate OBDII connector in glove box behind panel, Pin 14 CAN Low, Pin 6 CAN High	
Citroen C5 2001-2004	Located under bonnet at main ECU. May also find CAN wires in passenger kickwell on a Blue connector Note: there are two separate sets of White/Grey twisted wires Check that the White wire is marked with the circuit no. 9000	Grey CAN Low White CAN High  Grey CAN Low White CAN High or Brown CAN Low White CAN High
Citroen C5 2009+	Locate OBDII socket inside armrest under mat, Pin 14 Low & Pin 6 High. Or CAN wires maybe located at the back of the radio.	
Citroen C8 2004-2005 2006+	CAN wires are located behind fuse box on drivers side, at the Black connector, or at the ABS unit, Pin 24 High, Pin 40 Low CAN wires can be found at OBDII connector, Pin 14 CAN Low, Pin 6 CAN High.	Purple CAN Low Yellow CAN High  Yellow OR Brown CAN Low White OR Blue CAN High
Citroen C-Crosser	CAN wires are located in the steering column harness (CAN C)	Light Green CAN Low Yellow CAN High
Citroen Dispatch 2007+	Locate OBDII connector, Pin 14 is CAN Low, Pin 6 is CAN High	
Citroen Nemo	Locate OBDII connector, Pin 14 is CAN Low, Pin 6 is CAN High	
Citroen Picasso 2005+	CAN wires located behind the glove box inside right hand loom or, at fuse box, locate loom going vertical to bulk head, same colour	Purple CAN Low Brown CAN High
Citroen Relay / Jumper 2007+	CAN wires are located at the back of the BSI module, Blue connector, Pin 5 Low, Pin 6 High. Or, locate OBDII socket under steering column, Pin 14 CAN Low & Pin 6 CAN High. Or, CAN wires are located at the blue connector on the front of the fuse box.	Pink/White CAN Low Black/Pink CAN High  Pink/White CAN Low Pink/Black CAN High
Citroen Xsara 2.0 litre Automatic	Located under bonnet at the ECU with 3 connectors, CAN wires can be found in the central 48-way plug. CAN Low – Terminal H4 CAN High – Terminal H3	Green CAN Low Brown CAN High
Dodge Avenger 2008+	CAN wires are located (white connector) under a cover in front of the gear stick	White CAN Low White/Orange CAN High
Dodge Caliber	CAN wires can be located at the ECU in engine bay on passenger bay.	White/Blue CAN Low White/Black CAN High
Dodge Journey	CAN wires are located at the speedo on the Brown connector. Or use CAN wires at the white connector under dashboard on the driver's side next to the pedals, same colour.	White/Orange CAN Low White/Grey CAN High
Dodge Nitro 2007+	CAN wires are located at the back of radio	White/Orange CAN Low White/Grey CAN High
Dodge Ram 2006+	Locate ECU in engine bay in passenger side, Plug A, Pin 35, CAN Low & Pin 34, CAN High	White/Blue CAN Low White/Green CAN High

# Vehicle

## Location of CAN wires

## Wire Colours (colours may vary)



Vehicle	Location of CAN wires	Wire Colours (colours may vary)
Ferrari F430 2006+	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High Colours may be Green & Green/White	Pink/White CAN Low Pink/Black CAN High
Fiat 500	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High	Brown CAN Low Green CAN High
Fiat Brava / Bravo	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High	
Fiat Doblo 2005+	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High	Brown CAN Low Green CAN High
Fiat Ducato 2006+	CAN wires are located at the back of the BSI module, Blue connector, Pin 5 Low, Pin 6 High. Or, locate OBDII connector under steering column, Pin 14 CAN Low & Pin 6 CAN High. Or, CAN wires are located at the blue connector on the front of the fuse box.	Blue/Brown CAN Low Blue/Green CAN High
Fiat Fiorino 2008+	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High	Pink/White CAN Low Pink/Black CAN High
Fiat Grande Punto	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High	
Fiat Panda 2005+	CAN wires are located at the back of the fuse box on plug I	White CAN Low Blue CAN High
Fiat Qubo	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High	
Fiat Scudo 2007+	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High	
Fiat Stilo	At engine ECU or under steering column at the power steering module	Pink/White CAN Low Pink/Black CAN High
Ford F150, F250, F350 2006+	Locate OBDII connector under steering column, Pin 14 CAN Low, Pin 6 CAN High	
Ford Fiesta/Fusion 2005+	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High. Or Pin 11 CAN Low, Pin 3 CAN High.	Blue/Red CAN Low Grey/Red CAN High
Ford Fiesta 2008+ (new shape)	Locate OBDII connector. Pin 14 CAN Low & Pin 6 CAN High	White CAN Low White/Blue CAN High
Ford Focus 2005+	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High. Or Pin 11 CAN Low, Pin 3 CAN High.	Blue/Red CAN Low Grey/Red CAN High
Ford Focus C-Max	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High. Or Pin 11 CAN Low, Pin 3 CAN High. Or, use CAN wires at the radio.	Blue/Red CAN Low Grey/Red CAN High
Ford Galaxy 2006+	Locate OBD II connector behind panel under steering column, Pin 14 CAN Low, Pin 6 CAN High. Or, use CAN wires at radio, Pin 9 CAN High & Pin 10 CAN Low	Purple CAN Low Blue CAN High may have Grey trace
Ford KA 2006+	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High. Or Pin 11 CAN Low, Pin 3 CAN High.	Blue/Red CAN Low Grey/Red CAN High
Ford Kuga	CAN wires may be located at the radio. Or OBDII connector, Pin 14 CAN Low, Pin 6 CAN High	Blue CAN Low Grey CAN High
Ford Mondeo 2002+	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High. Or Pin 11 CAN Low, Pin 3 CAN High	Blue/Red CAN Low Grey/Red CAN High
2007+	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High.	White CAN low White/Blue CAN High
Ford Mustang 2005+	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High.	Red CAN Low White CAN High
Ford S-Max 2006+	Locate OBDII connector behind panel under steering column, Pin 14 CAN Low, Pin 6 CAN High or Pin 1 CAN High, Pin 8 CAN Low. Or, use CAN wires at radio, Pin 9 CAN High & Pin 10 CAN Low	Purple CAN Low Blue CAN High
Ford Transit / Tourneo 2006+	Locate OBDII connector t, Pin 11 CAN Low, Pin 3 CAN High.	
Ford Transit Connect 2006+	Locate OBDII connector on driver's side centre consul, Pin 14 CAN Low, Pin 6 CAN High	Blue/White CAN Low Grey/Purple CAN High
Honda Accord 03-06	CAN wires are located at the rear of the instrument cluster.	Red CAN Low White CAN High
2007+	CAN wires are located at the rear of the instrument cluster, Pin 36 CAN Low, Pin 18 CAN High	Red/Silver CAN Low White/Silver CAN High
2010+	Locate OBD II connector under steering column, Pin 14 CAN Low, Pin 6 CAN High	
Honda Civic 2006+	Locate OBDII connector under steering column, Pin 14 CAN Low, Pin 6 CAN High.	Red/Silver CAN Low White/Silver CAN High
Honda CRV 2007+	Locate OBDII connector under steering column, Pin 14 CAN Low, Pin 6 CAN High.	Red/Grey CAN Low White/Grey CAN High
Honda FRV 2007+	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High.	
Hummer H2 2008+	Locate OBDII connector on drivers side, Pin 14 is CAN Low, Pin 6 CAN High	
Hyundai iLoad. i800	<b>Requires specific firmware – please phone for details</b>	
Hyundai Tucson	CAN wires are located at the ECU under the steering column.	Green CAN Low Orange CAN High
Iveco Daily 2007+	Locate OBDII connector on passenger side, Pin 14 CAN Low, Pin 6 CAN High. Or at radio connector.	

# Vehicle



## Location of CAN wires

## Wire Colours (colours may vary)

Vehicle	Location of CAN wires	Wire Colours (colours may vary)
J1939 / FMS	Compatible with all commercial vehicles using the J1939 CAN protocol	
Jaguar S-type 2002+	Under dash, driver's side, near the door pillar on the diagnostic plug, Pin 14 CAN Low, Pin 6 CAN High.	Green CAN Low Yellow CAN High
Jaguar XF 2008-2010+	Locate OBDII connector on drivers side, Pin 14 CAN Low, Pin 6 CAN High	
Jaguar XK8 / XKR	All control units under bonnet inside waterproof box. Passenger side at back of engine bay.	Green CAN Low Yellow CAN High
Jaguar XK8 1999+	Locate the engine management unit. It is mounted in the engine bay under a plastic cover.	Green CAN Low Yellow CAN High
Jaguar XJ140	Engine auto transmission 2-way plug	Green CAN Low Yellow CAN High
Jaguar X-type	Locate OBDII connector on drivers side, Pin 14 CAN Low & Pin 6 CAN High	Green CAN Low Yellow CAN High
Jeep Commander	CAN wires are located at the back of radio	
Jeep Grand Cherokee (with Mercedes engine)	On ECU behind battery. Or, at the ABS connector, Pin 11 (High) White/Light Green & Pin 15 (Low) White/Light Blue Note: Colours may be Light Green/White and Dark Green/White	White CAN Low Green/White CAN High
Jeep Wrangler	CAN wires are located at the back of radio	White CAN Low White/Orange CAN High
Kia Cee'd	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High	
Kia Sedona 2007+	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High	
Lamborghini Gallardo	CAN wires are located behind drivers seat, under parcel shelf. Or under passenger side panel in loom near fuse board.	Orange/Brown CAN Low Orange/Black CAN High
Land Rover Defender 2007+	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High. Or at speedo.	Green/Black CAN Low Blue/Black CAN High
Land Rover Discovery 3	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High	
Land Rover Discovery 3 2006+	Locate OBDII connector, Pin 11 CAN Low, Pin 3 CAN High Or, Pin 14 CAN Low, Pin 6 CAN High	Yellow/Black CAN Low Yellow/Brown CAN High
Land Rover Discovery 4	Locate OBDII connector under dash by brake pedal, Pin 14 CAN Low, Pin 6 CAN High.	
Land Rover Freelander	CAN wires are located at the rear of the instrument cluster. Or in kick panel on drivers side.	Yellow/Brown CAN Low Yellow/Black CAN High
Land Rover Freelander 2	Locate OBDII connector, Pin 11 CAN Low, Pin 3 CAN High	
Land Rover Range Rover (BMW engine) 2002-2005	CAN wires are located at the rear of the instrument cluster. Or at the ECU in the engine bay.	Yellow/Brown CAN Low Yellow/Red CAN high
2006+	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	Yellow/Black CAN Low Yellow/Brown CAN High
Land Rover 2006+ Range Rover Sport	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Lexus RX400h (Hybrid) 2006+	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Lotus Elise	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Mazda 2	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	Blue CAN Low Red CAN High
Mazda 3	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Mazda 5	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Mazda 6	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	Blue CAN Low Red CAN High
Mazda CX-7	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Mazda MX-5 2007+	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	Green/Black CAN Low Blue/White CAN High
Mazda RX-8	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High	
Mercedes Benz A-Class	CAN wires can be found at the box under the bonnet on passenger side at back of engine bay. Or at the radio, Brown & Brown/Red.	Green CAN Low White CAN High
A-Class 2006	In passenger kick well, locate ECU.	
Mercedes Benz B-Class	Twisted pair of CAN wires can be found behind panel at the end of the dashboard.	Green CAN Low Green/White CAN High
Mercedes Benz C-Class SLK CLK	ECU inside black waterproof box under bonnet. Passenger side at back of engine bay. Or, Transmission Control unit under metal kick panel on floor at front of passenger footwell.  On the C-Class, 203 chassis, the twisted pair of wires can be found in the driver's sidekick panel.	Green CAN Low White or Green with White tracer CAN High
Mercedes Benz C-Class 2008+	CAN wires located under carpet on drivers side, under plastic cover	Green CAN Low Green/White CAN High Green CAN Low Green/White CAN High



# Vehicle

## Location of CAN wires

## Wire Colours (colours may vary)



Mercedes Benz E-Class/W211	Twisted wires can be found at the ignition on the steering column. Pin 1 Green/White, Pin 2 Green. Or in passenger footwell behind metal kick panel.  The twisted wires can be found in the engine compartment on the middle 2-way black connector on the ESP unit.	Green CAN Low White or Green with White tracer CAN High  Green CAN Low Green/White CAN high
Mercedes E-Class 2006+	CAN wires are located at a junction box behind the diagnostic connector above driver's feet. Use any of the Green or Brown twisted set of wires.	Green CAN Low Green/White CAN high
2010+	CAN wires are located by accelerator pedal in main loom from fuse box.	Green CAN Low Green/White CAN High
Mercedes Benz M-Class	ECU for transmission, situated under steering column and has CAN H.L. marked on it. Or, at the OBDII connector.	Green CAN Low White or Green with White tracer CAN High
Mercedes R-Class	CAN wires are located at the rear of the speedo	Green CAN Low Green/White CAN High
Mercedes Benz S-Class & ML	Locate body control ECU (all ECU's are in the same place). Look for a 2-pin plug, which is situated between 2 large plugs. The small plug has wires, which are Green and Green with a White tracer.	Green CAN Low Green with White tracer CAN High
S-Class 2006+	CAN wires are located at a junction box behind the diagnostic connector above driver's feet. Use any of the Green or Brown twisted sets.	Green CAN Low Green/White CAN High
Mercedes Benz SL Sports car	Nearside door pillar, kick strip, see Black plastic trunking. Pull clip off to open trunking, all CAN Bus wires are here.	Green CAN Low Green with White tracer CAN High
Mercedes Sprinter 2000-2009+	CAN wires are located at the speedo. Or behind glove box inside main loom.	Green CAN Low Green with White tracer CAN High
Mercedes Vaneo	CAN wires are located at the rear of the speedo	Green CAN Low Green/White CAN High
Mercedes Vito	The CAN wires can be found behind the speedo or, under dashboard at terminal block. CAN wires are marked Kombi.	Green CAN Low Green with White tracer CAN High
Mini (BMW)	Remove rev counter by unscrewing 2 Torx screws on top bracket. CAN High and CAN Low can be found on plastic connector	Yellow/Brown CAN Low Yellow/Black CAN High Or (for 2008+) Green CAN Low Orange/Green CAN High
Mitsubishi ASX	CAN wires located at a white 24-pin connector behind drivers A-pillar, Pin 17, High & Pin 18, Low	Purple CAN Low Blue CAN High
Mitsubishi Colt 2005+	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High	
Mitsubishi EVO 10	CAN wires located at back of speedo	Pink CAN Low Green CAN High
Mitsubishi Eclipse	Locate OBDII connector, Pins 6 CAN High & Pin 14 CAN Low.	
Mitsubishi Grandis	CAN wires can be found at the OBDII connector. Pin 14 CAN Low, Pin 6 CAN High.	Black/White CAN Low Red/Green CAN High
Mitsubishi L200 2006+	CAN wires can be found at the OBDII connector. Pin 14 CAN Low, Pin 6 CAN High.	
Mitsubishi Lancer 2008+	CAN wires are located at back of speedo.	Pink CAN Low Green CAN High
Mitsubishi Outlander 2007+	CAN wires are located in the steering column harness (CAN C)	Light Green CAN Low Yellow CAN High
Nissan 350Z	Locate OBDII connector. Pin 14 CAN Low, Pin 6 CAN High	Red CAN high White CAN Low
Nissan Almera	CAN wires can be found at the OBDII connector. Pin 14 CAN Low, Pin 6 CAN High. Or at speedo.	Red CAN Low Blue CAN High
Nissan Interstar 2005+	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High	Orange/Red CAN Low Green/Red CAN High
Nissan Juke	Locate OBDII connector. Pin 14 CAN Low, Pin 6 CAN High	
Nissan Micra	Locate OBDII connector. Pin 14 CAN Low, Pin 6 CAN High	Red CAN High White CAN Low
Nissan Murano	Locate OBDII connector. Pin 14 CAN Low, Pin 6 CAN High	
Nissan Navara 2006+	Locate OBDII connector. Pin 14 CAN Low, Pin 6 CAN High. Or back of speedo.	Pink CAN Low Blue CAN High
Nissan NV200	Locate OBDII connector. Pin 14 CAN Low, Pin 6 CAN High. Or back of speedo.	Blue CAN High Pink CAN Low
Nissan Pathfinder 2005+	Locate OBDII connector. Pin 14 CAN Low, Pin 6 CAN High	

# Vehicle



## Location of CAN wires

## Wire Colours (colours may vary)

Vehicle	Location of CAN wires	Wire Colours (colours may vary)
Nissan Pixo	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High. Or back of speedo.	White CAN Low Red CAN High
Nissan Primastar 2005+	Locate OBDII connector. Pin 14 CAN Low, Pin 6 CAN High	White/Red CAN Low Purple/Red CAN High
Nissan Primera	Under dash, driver's side, locate OBDII connector. Note: for Nissan engine, Pin 6 CAN High, Pin 3 CAN Low For Renault engine, Pin 6 CAN High, Pin 14 CAN Low	Red CAN Low Blue CAN High
Nissan Qashqai	Locate OBD II connector. Pin 14 CAN Low, Pin 6 CAN High	
Nissan Skyline 2005+ (Import)	Locate OBD II connector. Pin 14 CAN Low, Pin 6 CAN High	Pink CAN Low Blue CAN High
Nissan X-Trail 2005+	Locate OBDII connector Pin 14 CAN Low, Pin 6 CAN High. Or at speedo.	Red CAN Low White CAN High
Peugeot 206 2003+	Under steering column, at rear of the fuse box locate Black 40 way plug, Pin 2 CAN High, Pin 4 CAN Low	White CAN Low Yellow CAN High Or Brown CAN Low Purple CAN High
Peugeot 207	Under steering column, at rear of the fuse box locate Black 40 way plug, Pin 2 CAN High, Pin 4 CAN Low. Or at BSI module, 10 Pin connector, twisted pair of wires (colours may vary). Or at the OBDII connector, Pin 14 CAN Low, Pin 6 CAN High.	White CAN Low Yellow CAN High Or Brown CAN Low Purple CAN High
Peugeot 307	Locate BSI module behind the glove box, Black 40 way connector. Pin 2 Grey, Pin 4 Green.Or, find the ECU near the brake servo under the bonnet. There are 3 plugs, the back one has only one pair of Grey and Green twisted wires.	Grey CAN Low Green CAN high
Peugeot 307 2006+	Locate OBDII connector (behind ashtray), Pin 14 CAN Low, Pin 6 CAN High	
Peugeot 308	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High	
Peugeot 406	Just above fuse box under the dash there are 4 fuses in a row. Unclip and pull out the 26 pin connector.	Green CAN Low Red CAN High
V6 Auto 2002/3	CAN wires can be found in the Yellow 26 pin connector at the BSI module which is located near the fuse box.	Beige CAN Low Red CAN High
Peugeot 407	CAN wires can be found at a fuse box module located behind the glove box. Top right hand plug, twisted pair of Grey and White wires marked 9004 or CAN wires can be found behind kick panel above passenger footwell on a White connector, or at the back of the radio.	Grey CAN Low White CAN high
2006+	Locate OBDII connector in centre arm rest, Pin 14 CAN Low, Pin 6 CAN High	
Peugeot 4007	CAN wires are located in the steering column harness (CAN C)	Light Green CAN Low Yellow CAN High
Peugeot 508	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High	Red CAN Low Yellow CAN High
Peugeot 5008	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High	
Peugeot 607	The transmission ECU is located on the left side of the engine compartment underneath a plastic cover. It is the most upper unit, fixed with an elastic strap.	Pink CAN Low Red CAN High
Peugeot 607 2005+	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High. Or, under steering column at BSI module, 10 Pin connector, Blue CAN High, Green CAN Low. NOTE: change CAN High & Low wires if no speed pulse output.	Blue CAN Low Green CAN High
Peugeot 807	The CAN wires can be found at the ECU in the engine bay. Twisted pair of wires marked 90001J – CAN Low and 9000J – CAN High. Or, under dash on drivers side Brown 16 pin plug, Pin 2 or 3 High, Pin 5 Low. Under the dashboard on driver's side, BSI module, 40 way connector, Pin 2 CAN High, Pin 4 CAN Low.	Purple CAN Low Blue CAN High  Purple CAN Low White CAN High Colours may vary
Peugeot 807 2006+	Locate OBDII connector, Pin 14 CAN Low & Pin 6 CAN High.	
Peugeot Bipper	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High	
Peugeot Boxer 2007+	CAN wires are located at the back of the BSI module, Blue connector, Pin 5 Low, Pin 6 High. Or, locate OBDII connector under steering column, Pin 14 CAN Low & Pin 6 CAN High. Or, CAN wires are located at the blue connector on the front of the fuse box.	Pink/White CAN Low Pink/Black CAN High
Peugeot Expert 2007+	Locate OBDII connector. Pin 14 CAN Low, Pin 6 CAN High	Green CAN Low Beige CAN High
Peugeot Partner 2003+	Under steering column at BSI unit, Black 40-way plug. Pin 2 is Green, Pin 4 Brown. Or locate OBDII connector under steering column. Pin 14 CAN Low, Pin 6 CAN High	Brown CAN Low Green CAN High
2009+		
Peugeot RCZ	Locate OBDII connector, Pin 14 CAN Low, Pin 6 CAN High	
Porsche 911 GT3	Twisted pair leading to the steering wheel or engine controller	Black/White CAN Low Yellow/White CAN High
Porsche Boxster	ECU mounted on the bulkhead in the boot of the car. Or back of speedo. Or drivers side kick panel, inside main loom.	Black/Red/Blue CAN Low Black/Red/Yellow/CAN High