



In automotive testing, it is often necessary to have access to a vehicle or engine speed signal. The widespread use of CAN bus networking in modern vehicle wiring means that tapping into these signals is becoming ever more difficult. Therefore, Racelogic have developed the CSI to give test engineers speed pulse signals directly from a vehicle CAN bus. No configuration is necessary as the CSI is able to determine the vehicle make that it is fitted to and automatically extract the speed information from the CAN bus.



Outputs (BNC Connector)	Signal	Amplitude
Vehicle Speed	Approximately 3600 pulses per mile	5v TTL
Engine Speed	2 pulses per revolution	5v TTL

Inputs (9 way Sub D)		
Power	+6v to +16v DC, Approx 30mA	

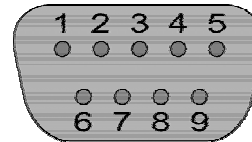
CAN Bus	Automatic detection of vehicle make* (see note)	
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*Racelogic work continuously to update the vehicle makes covered by the CSI. Most European and Japanese vehicle makes that use CAN Bus are covered.

Options		
RLVBCSI01		
RLVBCAB20	OBD-II connection cable* (see note)	

*On some vehicle makes, CAN Bus information is available on the OBD-II connector. Please note however that this is not the case on all CAN bus equipped vehicles. Where CAN bus is not available on the OBD connector, it may be required to tap directly into the vehicle wiring loom. Please contact Racelogic for advice on CAN bus location for specific vehicles.

CAN Bus / Power connection		
Pin	I/O	Function
1		
2	I	CAN LOW
3		
4		
5		
6	I	Ground
7	I	CAN HIGH
8		
9	I	+ Power



9 Way Sub D

Current vehicle coverage

Make	Model
Alfa	147, 156, 166 (from 2001)
Audi	All vehicles from 2001
BMW	All vehicles from 2000
Citroen	All vehicles from 2001.
Daimler/Chrysler	Grand Cherokee Diesel, Crossfire
Ferrari	456, 550
Fiat	Stilo
Ford	New Mondeo from 2001, C-MAX, New Fiesta from 2002, Fusion
Honda	Accord from 2003
Hyundai	Tucson
Jaguar	X-Type, XK8, XKR, XJ, S-Type from 2002
Land Rover	Freelander from 2001
Mazda	RX-8, Mazda 6, Mazda 3
Mercedes	All vehicles from 1998
Mini	All models from 2001
Nissan	Micra from 2003, 350GT, 350Z, Primera from 2002
Opel / Vauxhall	Corsa from 2003, Vectra from 2002, Signum, Zafira, Astra from 2004
Peugeot	All vehicles from 2001
Porsche	Boxster
Renault	Laguna from 2001, Megane from 2003, Espace from 2003. Master Van
Rover	75
SAAB	9-5
Seat	Ibiza from 2002, Cordoba from 2003, Leon, Alhambra from 2002
Skoda	Octavia, Superb
Smart	All models
Toyota	Prius Mk2
VW	All models from 1999

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