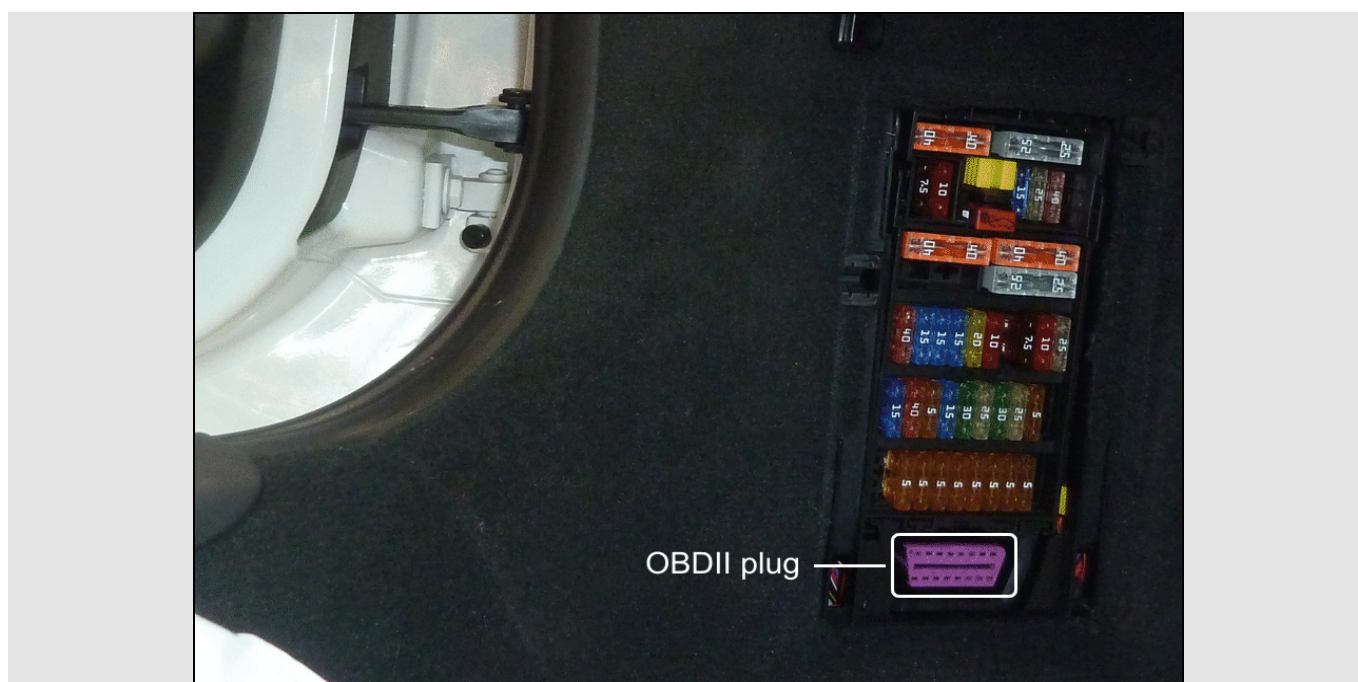# AIM Infotech

Porsche 991-981 OBDII

Release 1.00

This tutorial explains how to connect AiM devices to Porsche 911 (991), Porsche Boxster (981), Porsche Cayman (981) using the OBDII plug. Supported car models and years are:

- Porsche 911 (991) Carrera   2012 onwards
- Porsche 911 (991) Carrera S   2012 onwards
- Porsche 911 (991) Carrera 4   2013 onwards
- Porsche 911 (991) Carrera 4S   2013 onwards

- Porsche Boxster (981)   2012 onwards
- Porsche Boxster S (981)   2012 onwards

- Porsche Cayman (981)   2013 onwards
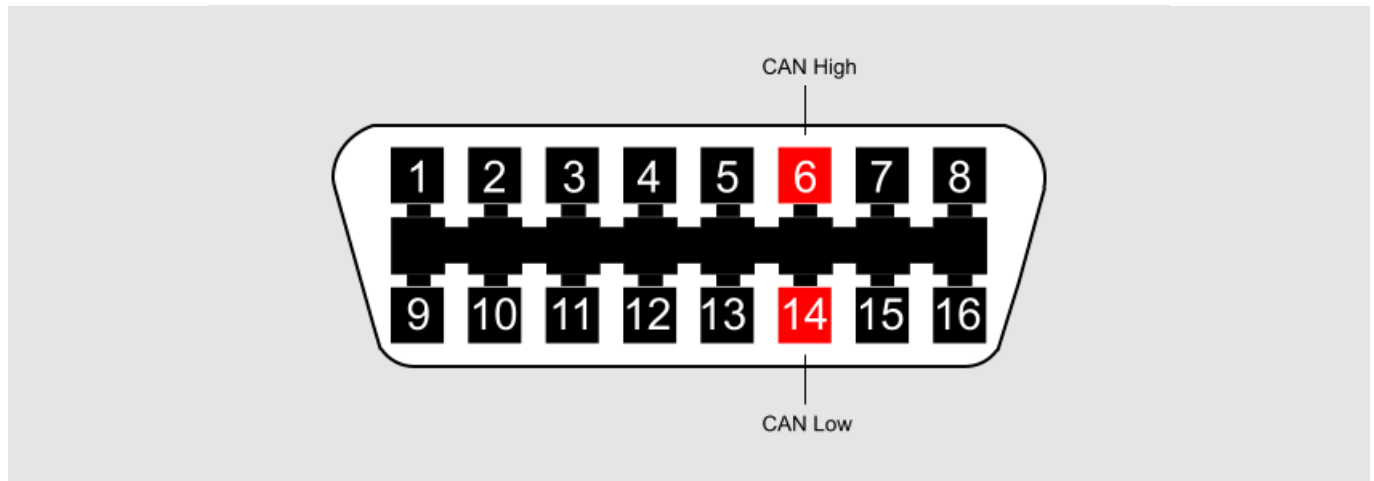- Porsche Cayman S (981)   2013 onwards

1
Wiring connection

Porsche 911, Boxster and Cayman are equipped with an OBDII plug placed on the car left side, bottom of the fuse box as shown here below.

OBDII plug

The ECU communicates using the CAN Bus on the OBDII connector. Connector pinout as well as connection table are shown here below

OBDII connector pin	Pin function	AIM cable
6	CAN High	CAN+
14	CAN Low	CAN-

2
AIM Logger configuration

Once the ECU connected to the logger, this one is to be configured as connected to that ECU.

Run Race Studio 2 software and follow this path:
- Device Configuration –> Select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "Porsche" and ECU Model "991_981_OBDII";
- transmit the configuration to the device pressing "Transmit".

3
Available channels

Channels received by AIM loggers connected to Porsche 991_981_OBDII protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	RPM	RPM
ECU_2	WHEEL_SP_FL	Front left wheel speed
ECU_3	WHEEL_SP_FR	Front right wheel speed
ECU_4	WHEEL_SP_RL	Rear left wheel speed
ECU_5	WHEEL_SP_RR	Rear right wheel speed
ECU_6	THROTTLE_POS	Throttle position sensor
ECU_7	ACCEL_POS	Acceleration position
ECU_8	COOLANT_TEMP	Engine cooling temperature
ECU_9	INTK_AIR_TEMP	Intake air temperature
ECU_10	MANIFOLD_PRESS	Manifold air pressure
ECU_11	FUEL_LEVEL	Fuel level
ECU_12	STEER_ANGLE	Steering angle
ECU_13	BRAKE_PRESS	Brake pressure