

AiM Infotech

Porsche 911 (996) MK1,
Boxster 986
OBDII connection

Release 1.01



This tutorial explains how to connect Porsche cars to AiM devices. The connection can be made through the OBDII plug.

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Car models and years

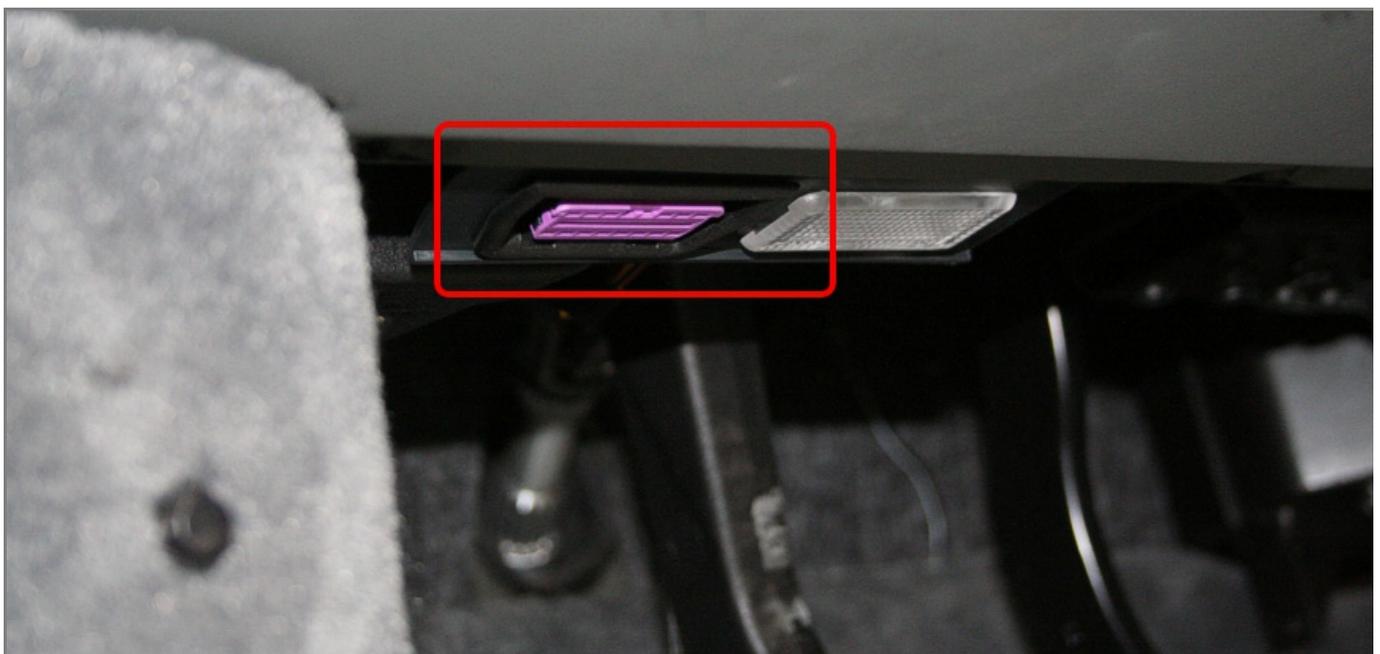
Supported car models and years are:

- | | | |
|-------------------------|------------|-----------|
| • Porsche 911 (996 MK1) | all models | 1997-2001 |
| • Porsche Boxster 986 | | 1996-2004 |

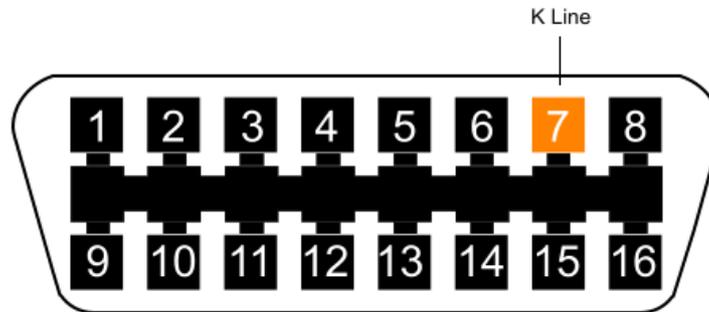
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OBDII connection

These Porsche cars feature a bus communication protocol based on K line on the OBDII plug placed on the car driver side, left of the steering column near to the pedal area.



Connector pinout as well as connection table are shown here below



OBDII connector pin	Pin function	AiM cable
7	K Line	K line

Please note: if you choose this connection we recommend you to use AiM cables to connect AiM devices. Their part number are:

- | | |
|---|---|
| <ul style="list-style-type: none"> • ECU Bridge with OBDII plug • EVO4 cable (to be plugged in EVO4 connector labelled RPM) • SoloDL cable with OBDII plug | <ul style="list-style-type: none"> • X90BGCK12MA • V02563050 • V02569010 (2m length) or • V02569090 (1,2m length) |
| <ul style="list-style-type: none"> • MXG • MXL2 | <ul style="list-style-type: none"> • 37 pins standard cable • 37 pins standard cable |

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AiM device configuration

Before connecting the device to the ECU set this up using AiM Race Studio Software. The parameters to select in the device configuration are:

- ECU manufacturer "OBDII"
- ECU Model "ISO9141_2"

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Available channels

Channels received by AiM devices connected to "OBDII" "ISO9141_2" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	OBDII_RPM	RPM
ECU_2	OBDII_SPEED	Speed
ECU_3	OBDII_ECT	Engine coolant temperature
ECU_4	OBDII_TPS	Throttle position sensor
ECU_5	OBDII_IAT	Intake air temperature
ECU_6	OBDII_MAP	Manifold air pressure
ECU_7	OBDII_MAF	Manifold air flow
ECU_8	OBDII_FUEL_LEV	Fuel level
ECU_9	OBDII_PPS	Pedal position sensor

Please note: channels listed above are those polled by AiM devices. They may or may not come across in the data stream depending on models. RPM, TPS,ECT and speed are generally available.