

AIM Infotech

Toyota Yaris 1999-2011

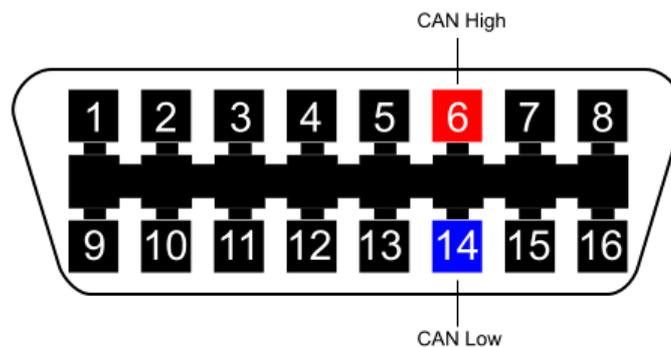
Release 1.03



This tutorial explains how to connect Toyota Yaris (years 1999-2011) to AiM loggers.

1 Wiring connection

Toyota Yaris ECU features a bus communication protocol based on CAN on the OBDII plug located under the steering wheel. 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 device configuration

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

- ECU manufacturer "Toyota"
- ECU Model "YARIS";

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Available channels

Channels received by AIM loggers connected to "Toyota" "Yaris" are:

ID	CHANNEL NAME	FUNCTION
ECU_1	TOYO_RPM	RPM
ECU_2	TOYO_SPEED_VEH	Vehicle speed
ECU_3	TOYO_SPEED_FR	Front right wheel speed
ECU_4	TOYO_SPEED_FL	Front left wheel speed
ECU_5	TOYO_SPEED_RR	Rear right wheel speed
ECU_6	TOYO_SPEED_RL	Rear left wheel speed
ECU_7	TOYO_STEER_ANG	Steering angle
ECU_8	TOYO_PPS	Pedal position sensor
ECU_9	TOYO_BRAKE_SW	Brake switch
ECU_10	TOYO_CLUTCH_SW	Clutch switch
ECU_11	TOYO_BATTERY	Battery supply
ECU_13	TOYO_ECT	Engine coolant temperature
ECU_14	TOYO_IAT	Intake air temperature
ECU_15	TOYO_AAT	Ambient air temperature
ECU_16	TOYO_CAT1_T	Catalyst temperature 1
ECU_17	TOYO_CAT2_T	Catalyst temperature 2
ECU_18	TOYO_TPS1	Throttle position sensor 1
ECU_20	TOYO_MAP	Manifold air pressure
ECU_21	TOYO_BARO	Barometric sensor
ECU_22	TOYO_LAMBDA	Lambda value

Technical note: not all data channels outlined in the ECU template are validated for each manufacturer model or variant; some of the outlined channels are model and year specific and therefore may not be applicable.