AiM Infotech

Nissan Versa

Release 1.03

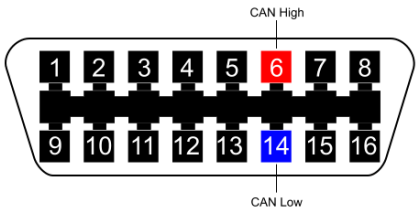
1 Supported model and years

This tutorial explains how to connect Nissan cars to AiM devices. Supported model are:

- Nissan Versa from 2012 onwards.

2 Wiring connection

Nissan Versa features a bus communication protocol based on CAN on the OBDII plug that should be on the steering column. Other possible positions are: the central column, the pedal area or the left of the steering wheel. **Please note**: according to international rules the OBDII plug is to be in a 60 cm distance area from the steering column. Connector pinout and connection table are shown below.



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

3 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:

- select ECU manufacturer “Nissan”
- ECU Model “VERSA_B-Spec”;

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Available channels

Channels received by AiM loggers connected to "Nissan" "VERSA_B-Spec" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	V_RPM	RPM
ECU_2	V_VEH_SPEED	Vehicle speed
ECU_3	V_SPEED_FR	Front right wheel speed
ECU_4	V_SPEED_FL	Front left wheel speed
ECU_5	V_SPEED_RR	Rear right wheel speed
ECU_6	V_SPEED_RL	Rear left wheel speed
ECU_7	V_PPS	Pedal position sensor
ECU_8	V_BRAKE_SW1	Brake switch 1
ECU_9	V_BRAKE_SW2	Brake switch 2
ECU_10	V_ECT	Engine coolant temperature
ECU_11	V_LOW_OILP	Low oil pressure
ECU_12	V_STEER_ANG	Steering angle
ECU_13	V_STEER_SPD	Steering speed
ECU_14	V_ACC_LONG	Longitudinal accelerometer
ECU_15	V_ACC_LAT	Lateral accelerometer

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.