AIM Infotech

Chevrolet Cobalt SS ECU

Release 1.03

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Supported models

This tutorial explains how to connect Chevrolet cars to AiM devices. Supported models are:
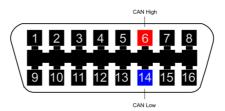
- Chevrolet   Cobalt SS

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Wiring Connection

Chevrolet Cobalt SS car features a bus communication protocol based on CAN on the OBDII plug placed under the compartment mat on the central column of the car cockpit. OBDII connector pinout as well as connection table are shown here below.

OBDII Pin	Pin Function	AiM Cable
6	CAN High	CAN+
14	CAN Low	CAN-

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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 "CHEVROLET"
- ECU Model "COBALT_SS";

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Available channels

Channels received by AIM loggers connected to "Chevrolet" "COBALT_SS" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	CVY_RPM	RPM
ECU_2	CVY_SPEED	Vehicle speed
ECU_3	CVY_PPS	Pedal position sensor
ECU_4	CVY_TPS	Throttle position sensor
ECU_5	CVY_TENGINE	Engine temperature
ECU_6	CVY_AIR_TEMP	Incoming air temperature
ECU_7	CVY_OIL_TEMP	Oil temperature
ECU_8	CVY_YAW_RATE	Yaw rate
ECU_9	CVY_FUEL_LEVEL	Fuel level
ECU_10	CVY_WH_SPD_FL	Front left wheel speed
ECU_11	CVY_WH_SPD_FR	Front right wheel speed
ECU_12	CVY_WH_SPD_RL	Rear left wheel speed
ECU_13	CVY_WH_SPD_RR	Rear right wheel speed
ECU_14	CVY_MAP	Manifold air pressure
ECU_15	CVY_MAF	Manifold Air flow
ECU_16	CVY_SH_FUEL_TR	Short term fuel trim
ECU_18	CVY_FUEL_PRESS	Fuel pressure
ECU_20	CVY_KNOCK_RET	Knock retard
ECU_22	CVY_MAP2	Manifold air pressure 2

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.