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AiM Infotech

Suzuki Swift
2011-2012

Release 1.03

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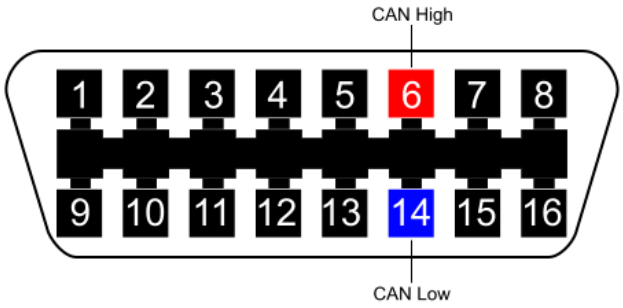
This tutorial explains how to connect AiM devices to Suzuki Swift. Supported car years are:

- Suzuki Swift 2011-2012

1 Wiring connection

Suzuki Swift features a bus communication protocol based on CAN on the OBDII plug located on the driver left side above the throttle pedal. 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 “Suzuki”
- ECU Model “SWIFT_2012”;

3
Available channels

Channels received by AiM loggers connected to "Suzuki" "SWIFT_2012" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	SZ_RPM	RPM
ECU_2	SZ_WHEEL_SPFR	Front right wheel speed
ECU_3	SZ_WHEEL_SPFL	Front left wheel speed
ECU_4	SZ_WHEEL_SPRL	Rear left wheel speed
ECU_5	SZ_WHEEL_SPRR	Rear right wheel speed
ECU_6	SZ_TPS1	Throttle position sensor 1
ECU_7	SZ_TPS2	Throttle position sensor 2
ECU_8	SZ_BRK_SW1	Brake switch 1
ECU_9	SZ_WATER_TEMP	Engine coolant temperature
ECU_10	SZ_INTAKE_AIRT	Intake air temperature
ECU_11	SZ_CLUTCH_SW	Clutch switch
ECU_12	SZ_MAP1	Manifold air pressure 1
ECU_13	SZ_MAP2	Manifold air pressure 2
ECU_14	SZ_MAF	Manifold air flow
ECU_15	SZ_ENGINE_LOAD	Engine load
ECU_16	SZ_BRAKE_PRESS	Brake pressure

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.