AiM Infotech

Suzuki Swift
2011-2012

Release 1.01
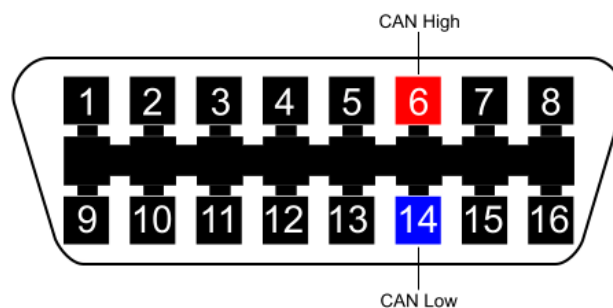
This tutorial explains how to connect AiM devices to Suzuki Swift. Supported car years are:

- 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 Logger configuration

Before connecting the ECU to AiM logger set it up as follows:

Run Race Studio 2 software and follow this path:
- Device Configuration –> Select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "Suzuki" and ECU Model "SWIFT_2012";
- transmit the configuration to the device pressing "Transmit".

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

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.