AiM InfoTech

Suzuki – Swift
2011 - 2017

Release 1.04

1
Supported models

This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.
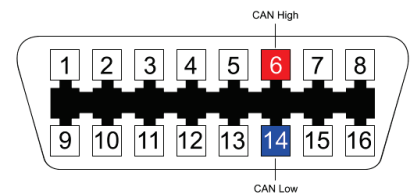Supported models and years are:

- Swift   2011 - 2017

2
Wiring connection

These models feature a standard diagnostic protocol based on CAN, accessible through the OBDII plug placed on the driver left side above the throttle pedal. For this installation refer to the following pinout of the OBDII plug and its connection table.

OBDII Pin	Function	AiM cable
6	CAN High	CAN+ / White color
14	CAN Low	CAN- / Blue color

3
Race Studio configuration

Before connecting the AiM device to the OBD II plug, set all functions using AiM software Race Studio. The parameters to set in the device configuration are:

- ECU manufacturer: **SUZUKI**
- ECU Model: **SWIFT 2012**

4

"SUZUKI – SWIFT 2012" protocol

Channels received by AiM devices configured with "SUZUKI – SWIFT 2012" protocol are:

CHANNEL NAME	FUNCTION
RPM	Engine RPM
WheelSpdFR	Front right wheel speed
WheelSpdFL	Front left wheel speed
WheelSpdRL	Rear left wheel speed
WheelSpdRR	Rear right wheel speed
ECT	Engine coolant temperature
IntakeAirT	Intake air temperature
BrakePress	Brake pressure
MAP1	Manifold air pressure 1
MAP2	Manifold air pressure 2
TPS1	Throttle position sensor 1
TPS2	Throttle position sensor 2
EngLoad	Engine load
MAP	Manifold air flow
Brake Sw	Brake switch
Clutch Sw	Clutch switch

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