AiM InfoTech

Honda Civic US
2006-2011

Release 1.04

ECU

1
Models and years

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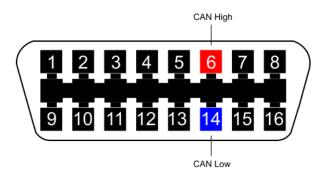Supported models and years are:

- Honda   Civic (USA)   2006-2011

2
OBDII Connection

These models feature a standard diagnostic protocol based on CAN, accessible through the OBDII plug placed under the dashboard right on the driver seat. For this installation refer to the following pinout of the OBDII plug (vehicle side – front view) and connection table.

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

3
Race Studio configuration

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

- ECU manufacturer: **Honda**
- ECU Model: **Civic_US**

4
"Honda – Civic_US" protocol

Channels received by AiM devices configured with "Honda – Civic_US" protocol are:

CHANNEL NAME	FUNCTION
RPM	RPM
SpeedVeh	Vehicle speed
SpeedFL	Front Left Wheel Speed
SpeedFR	Front Right Wheel Speed
SpeedRL	Rear Left Wheel Speed
SpeedRR	Rear Right Wheel Speed
TPS	Brake switch
PPS	Brake pressure
WaterTemp	Water temperature
IntakeAirTemp	Intake air temperature
BrakePress	Brake pressure
MAP	Manifold air pressure
Brake	Brake switch

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.