AiM InfoTech

HONDA
Civic Type R FK8

Release 1.00

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:

- Civic Type R FK8 — 2017 – 2019 (OBD connection)
- Civic Type R FK8 — 2020 – 2021 (CAN connection)

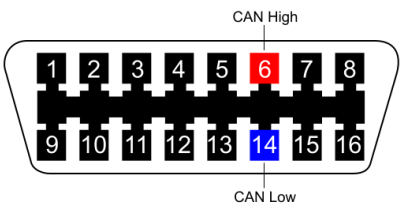
2 Wiring connection

Access to the powertrain CANbus depends on the vehicle's production year. Models produced before 2020 use an OBDII connection, while 2020 and later models require a direct connection to the CAN wires or the use of a Gateway Jailbreaker.

2.1 OBDII connection – Pre 2020 models

These models use a standard CAN-based protocol, which is accessible through the OBD-II port located beneath the steering column. For this installation, refer to the OBD-II port pinout and the connection table below.

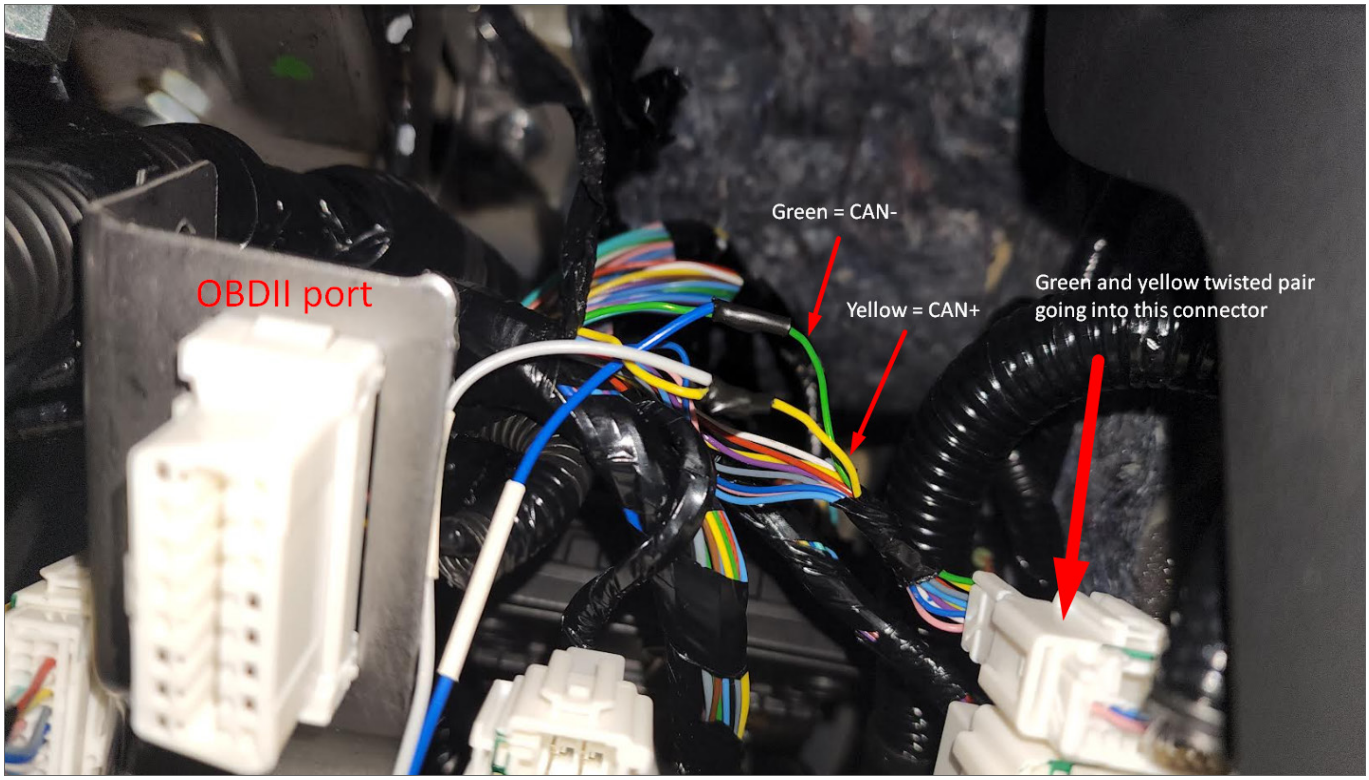
OBDII Pin	Pin function	AiM cable	AiM color cable
6	CAN High	CAN+	White
14	CAN Low	CAN-	Blue



2.2
CAN connection – Post 2020 models

These models use a standard CAN-based protocol, which is accessible by connecting directly to the CAN wires. Refer to the picture and connection notes below.

Car wire color	Pin function	AiM cable	AiM color cable
Yellow	CAN High	CAN+	White
Green	CAN Low	CAN-	Blue



Please note: Alternative solutions using a dedicated Gateway Jailbreaker device are also available for these vehicles.

3
RaceStudio 3 configuration

Before connecting the AiM device to the vehicle, configure it using AiM RaceStudio 3 software. Set the following parameters in the device configuration:

- ECU manufacturer: **HONDA**
- ECU Model: **CIVIC TYPE R FK8** (Race Studio3 only)

4
"HONDA – CIVIC TYPE R FK8" protocol

Channels received by AiM devices configured with "HONDA –CIVIC TYPE R FK8" protocol are:

CHANNEL NAME	FUNCTION
Engine	Engine RPM
Vehicle Speed	Vehicle speed
Steering angle	Steering wheel angle
Steering speed	Steering wheel speed
PedalPosition1	Pedal position sensor 1
PedalPosition2	Pedal position sensor 2
Brake Pressure	Brake pressure
Water Temp	Water temperature
OilTemp	Oil temperature
OilPress	Oil pressure
IntakeAirTemp	Intake air temperature
Speed FL	Wheel speed front left
Speed FR	Wheel speed front right
Speed RL	Wheel speed rear left
Speed RR	Wheel speed rear right
MAP1	Manifold air pressure 1

MAP2	Manifold air pressure 2
Lights	Lights status
Reverse SW	Reverse gear switch
Neutral SW	Neutral switch
Mode select	Drive mode selection
Collision Mitiga	Collision mitigation
Traction Control	Traction control
Right Blinker	Right turn indicator
Left Blinker	Left turn indicator

Technical note: not all data channels listed in the ECU template have been validated for every vehicle model or variant. Some channels are specific to certain models and production years and may therefore not be available.