AiM Infotech

Ferrari F430
Ferrari F430 Scuderia

Release 1.04
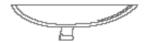
This tutorial explains how to connect Ferrari F430 to AiM devices. Supported years are:
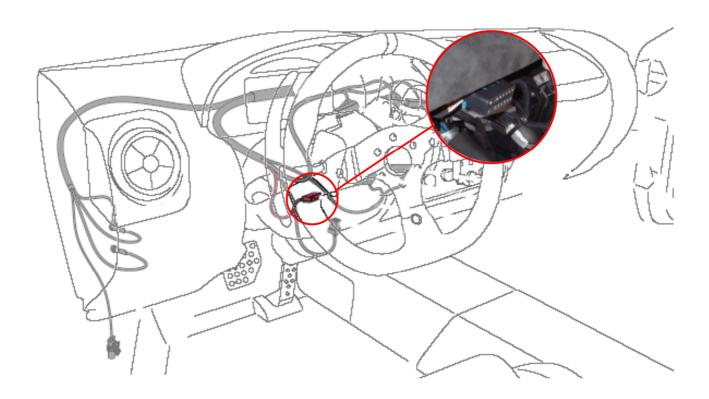
- Ferrari F430   2008-2010;
- Ferrari F430 Scuderia   2008-2010.
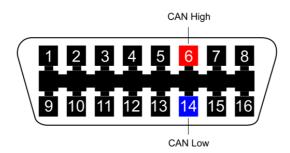
1
CAN communication setup

Ferrari F430 and Ferrari F430 Scuderia communicate using the CAN Bus on the OBDII connector. OBDII plug is right of the steering wheel column under the dashboard as shown below.

OBDII connector pinout as well as connection table are shown here below.

OBDII connector pin	Pin function	AiM cable label
6	CAN+	CAN+
14	CAN-	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 "Ferrari"
- ECU Model "430 (ECU Bosch)";

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Available channels

Channels received by AiM devices connected to "Ferrari" "430 (ECU Bosch)" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	F430_RPM	RPM
ECU_2	F430_WH_SPD_FL	Front left wheel speed
ECU_3	F430_WH_SPD_FR	Front right wheel speed
ECU_4	F430_WH_SPD_RL	Rear left wheel speed
ECU_5	F430_WH_SPD_RR	Rear right wheel speed
ECU_6	F430_VEH_SPEED	Vehicle speed
ECU_7	F430_PPS	Pedal position
ECU_8	F430_GEAR	Engaged gear
ECU_9	F430_STEER_ANG	Steering angle
ECU_10	F430_BRK_SW	Brake switch
ECU_11	F430_STEER_SPD	Steering wheel speed
ECU_12	F430_ECT	Engine coolant temperature
ECU_13	F430_OILT	Oil temperature
ECU_14	F430_CST	Traction control selection

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.