

AiM Infotech

Lotus Evora (V6) Exige (V6)

Release 1.02



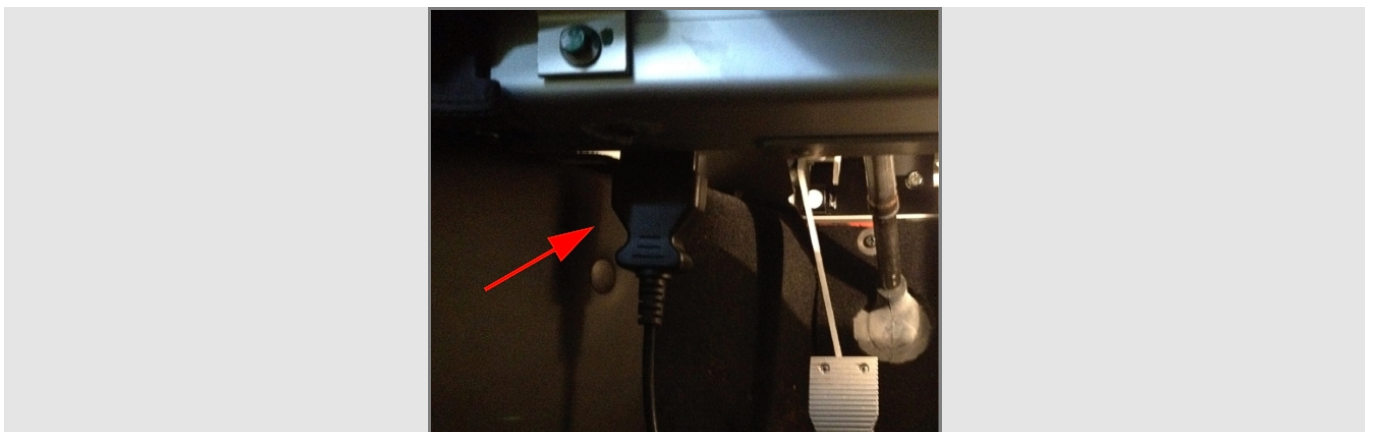
This tutorial explains how to connect your Lotus car to AiM devices. Supported years and models are:

- | | | |
|--------------------|------------|-------------------|
| • Lotus Exige (V6) | all models | from 2012 onwards |
| • Lotus Evora (V6) | all models | from 2009 onwards |

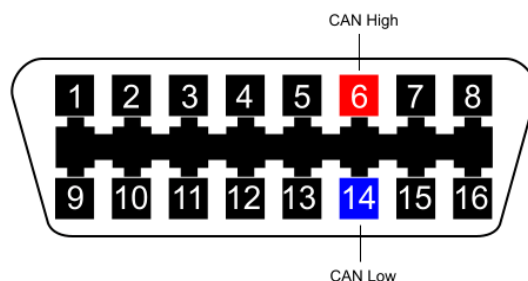
1

Wiring connection

These Lotus cars ECU features a bus communication protocol based on CAN on the OBDII plug placed under the stock dash, left of the driver as shown here below.



Connector pinout as well as connection table are shown here below



OBDII connector pin

6
14

Pin function

CAN High
CAN Low

AiM cable

CAN+
CAN-

2

AiM Logger configuration

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

Run Race Studio 2 software and select:

- Device Configuration -> select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "Lotus" and ECU Model "EVORA";
- transmit the configuration to the device pressing "Transmit".

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Available channels

Channels received by AiM loggers connected to "Lotus" "EVORA" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ECU_RPM	RPM
ECU_2	ECU_PPS	Pedal position
ECU_3	ECU_ENG_TORQUE	Engine torque
ECU_4	ECU_BRK_SWITCH	Brake switch
ECU_5	ECU_CLUTCH	Clutch switch
ECU_6	ECU_VEHICLE_SPD	Vehicle speed
ECU_7	ECU_FRONT_SPD	Front speed
ECU_8	ECU_REAR_SPD	Rear speed
ECU_9	ECU_STEER_ANG	Steering angle
ECU_10	ECU_STEER_SPD	Steering speed
ECU_11	ECU_LAT_ACC	Lateral accelerometer
ECU_12	ECU_GYRO	Gyroscope
ECU_13	ECU_AIR_TEMP	Intake air temperature
ECU_14	ECU_ENGINE_TEMP	Engine temperature



ECU_15	ECU_FL_PREX	Front left wheel pressure
ECU_16	ECU_RL_PREX	Rear left wheel pressure
ECU_17	ECU_FR_PREX	Front right wheel pressure
ECU_18	ECU_RR_PREX	Rear right wheel pressure
ECU_19	ECU_INST_TORQUE	Instant torque
ECU_20	ECU_FUEL_CONS	Fuel consumption
ECU_21	ECU_FUEL_LEVEL	Fuel level
ECU_22	ECU_HAND_BRAKE	Handbrake
ECU_23	ECU_LIGHT_SW	Light switch
ECU_24	ECU_SPORT_SW	Sport switch
ECU_25	ECU_TRAK_CONTR	Traction control

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.