AiM Infotech

# Lotus Evora (V6) Exige (V6)

## Release 1.03
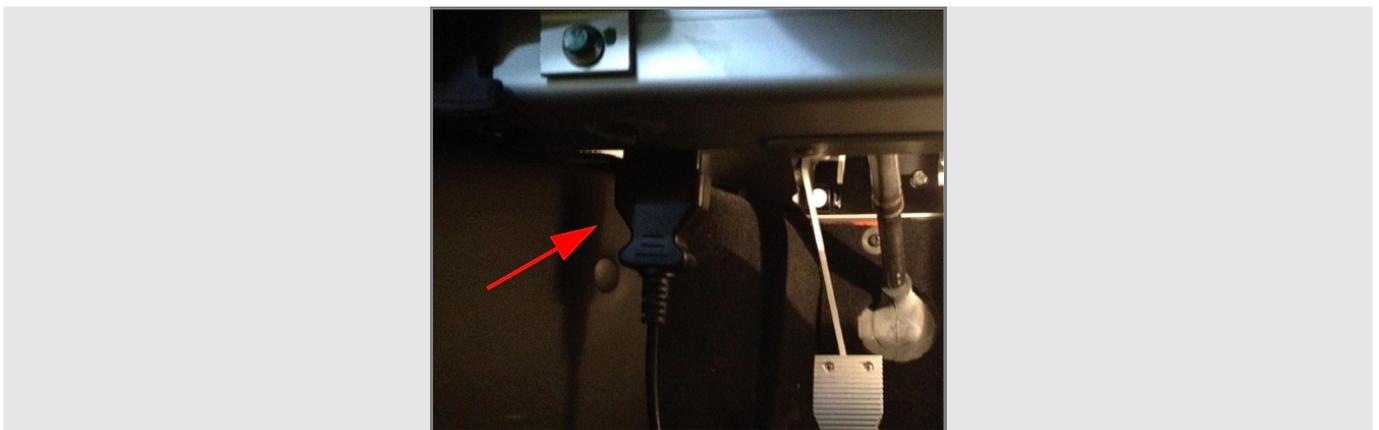
This tutorial explains how to connect your Lotus car to AiM devices. Supported years and models are:

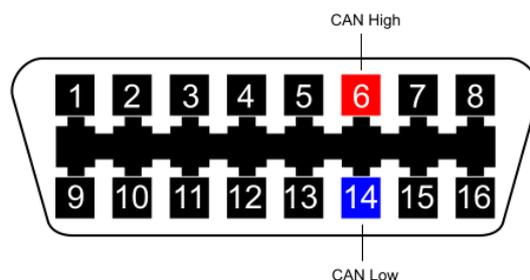- Lotus Exige (V6)                    all models              from 2012 onwards
- Lotus Evora (V6)                    all models              from 2009 onwards

# 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 | Pin function | AiM cable |
|---|---|---|
| 6 | CAN High | CAN+ |
| 14 | CAN Low | 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 "Lotus"
- ECU Model "EVORA";

# 3
# 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.