

AIM Infotech

Ford Fiesta
(from 2008 onward)

Release 1.00

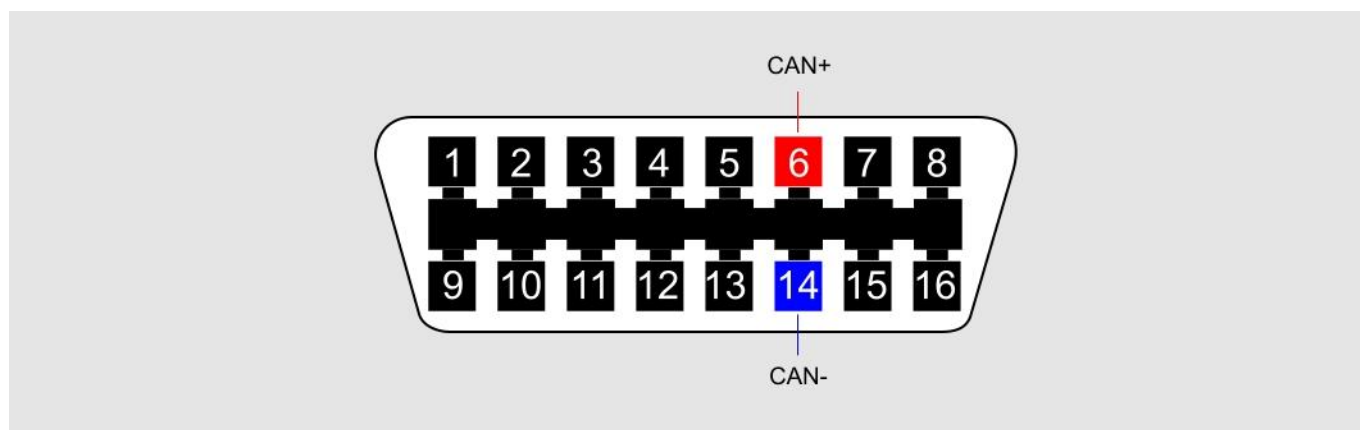


This tutorial explains how to connect Ford Fiesta (from 2008 onward) to AIM devices.

1

CAN communication setup

Ford Fiesta (from 2008 onward) communicates using the CAN Bus on the OBDII connector. OBDII connector as well as connection table are shown below.



OBDII connector pin	Pin function	AIM cable label
6	CAN+	CAN+
14	CAN-	CAN-

2

AIM Logger configuration

Once the ECU connected to the logger, this last one is to be configured as connected to that ECU.

Run Race Studio 2 software and follow this path:

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

3

Available channels

Channels received by AIM devices connected to Ford Fiesta (from 2008 onward) are:

ID	CHANNEL NAME	FUNCTION
ECU_1	F_RPM	RPM
ECU_2	F_KVM_SPEED	Vehicle reference speed (from ABS)
ECU_3	F_WH_SPEED_FL	Front left wheel speed
ECU_4	F_WH_SPEED_FR	Front right wheel speed
ECU_5	F_WH_SPEED_RL	Rear left wheel speed
ECU_6	F_WH_SPEED_RR	Rear right wheel speed
ECU_7	F_ACC_PED_POSD	Throttle pedal position derivative
ECU_8	F_ACC_PED_POS	Throttle pedal position
ECU_9	F_ACC_PED_RAW	Throttle pedal position switch
ECU_10	F_GEAR_POS	Engaged gear
ECU_11	F_BRAKE_SW	Brake switch
ECU_12	F_BRAKE_PRESS	Brake pressure
ECU_13	F_ECT	Engine cooling temperature
ECU_14	F_BARO_PRESS	Barometric pressure



ECU_15	F_IAT	Intake air temperature
ECU_16	F_IAT_PID	Intake air temperature PID
ECU_17	F_FUEL_LEVEL	Fuel level
ECU_18	F_FUEL_INST	Instant fuel consumption
ECU_19	F_CLUTCH_SW	Clutch switch
ECU_20	F_EXT_AMB_TEMP	External temperature
ECU_21	F_STEERANG	Steering angle
ECU_22	F_STEERANG_CLB	Steering angle calibration
ECU_23	F_YAW_RATE	Yaw rate
ECU_24	F_YAWRATE_CLB	Yaw rate calibration
ECU_25	F_ACC_LAT	Lateral accelerometer
ECU_26	F_ACCLAT_CLB	Lateral accelerometer calibration
ECU_27	F_ACC_LONG	Longitudinal accelerometer
ECU_28	F_ACCLONG_CLB	Longitudinal accelerometer calibration
ECU_29	F_ROLL_RATE	Roll rate
ECU_30	F_ROLLRATE_CLB	Roll rate calibration
ECU_31	F_ABS_SPIKE	ABS spike
ECU_32	F_EBD_FAIL	Electronic brake force distribution failure
ECU_33	F_ABS_EVENT	ABS event
ECU_34	F_ABS_FAIL	ABS failure
ECU_35	F_EPAS_FAIL	Electronic power assistance failure
ECU_36	F_MIL_TELLTALE	Malfunction indicator lamp
ECU_37	F_BATTCHG_TELL	Battery supply
ECU_38	F_OILP_TELLTALE	Oil pressure