

AIM Infotech

Ford Fiesta
(from 2008 onward)

Release 1.03



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

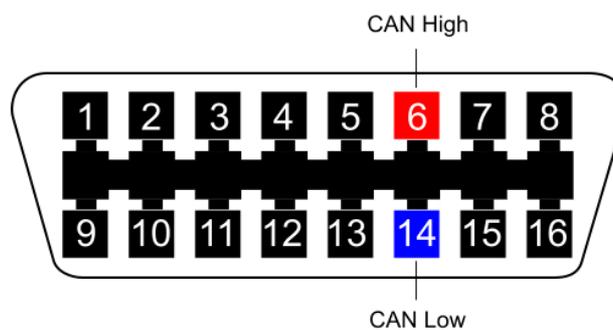
1 Supported years

Supported years are:

- Ford Fiesta from 2008 onward

2 CAN communication setup

Ford Fiesta ECU features a bus communication protocol based on CAN on the OBDII connector placed under the steering wheel behind a cover. OBDII connector as well as connection table are shown below.



OBDII connector pin	Pin function	AiM cable label
6	CAN High	CAN+
14	CAN Low	CAN-

3

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 "FORD"
- ECU Model "FIESTA";

4

Available channels

Channels received by AIM devices connected to "Ford" "Fiesta" 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 coolant 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

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.