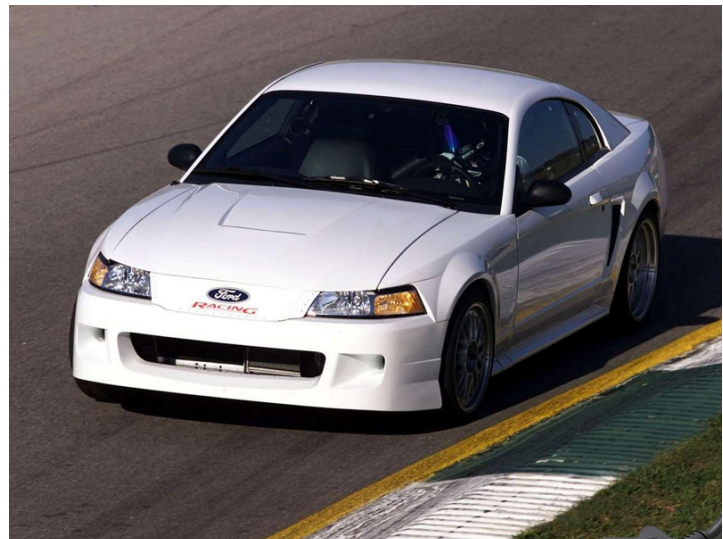




AiM Infotech

Ford Mustang FR500C

Release 1.02



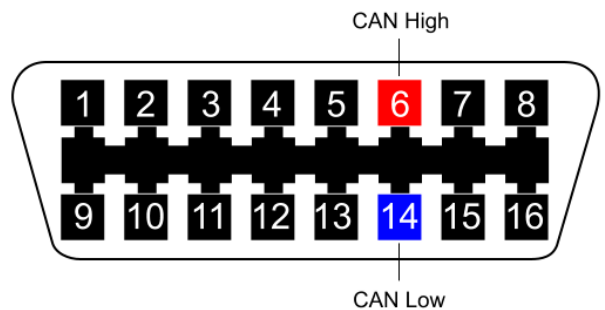
1 Car models

This tutorial explains how to connect Ford Mustang cars to AiM devices. Supported car models are:

- Ford Mustang FR500C

2 CAN bus connection

Ford Mustang FR500C cars feature a data communication bus based on CAN on the OBDII plug normally visible left over the steering wheel as shown here below on the left. On the right you see the OBDII connector pinout while under connection table is shown.



Pin number	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 "FR500C"

4

Available channels

Channels received by AiM devices connected to Ford Mustang FR500C are:

ID	CHANNEL NAME	FUNCTION
ECU_1	FR500C_RPM	RPM
ECU_2	FR500C_WHEELSPEED	Wheel speed
ECU_3	FR500C_LOAD	Engine load
ECU_4	FR500C_DESIRED_LAMBDA	Desired lambda value
ECU_5	FR500C_WATERTEMP	Engine coolant temperature
ECU_6	FR500C_FUELPRESS	Fuel pressure
ECU_7	FR500C_BATTVOLT	Battery supply
ECU_8	FR500C_TPS	Throttle position sensor
ECU_9	FR500C_LH_LAMBDA	Left bank lambda value
ECU_10	FR500C_AIRTEMP	Intake air temperature
ECU_11	FR500C_EXHAUST_TEMP	Exhaust temperature
ECU_12	FR500C_RH_LAMBDA	Right bank lambda value
ECU_13	FR500C_TRANS_TEMP	Transmission box temperature
ECU_14	FR500C_GEAR	Engaged gear
ECU_15	FR500C_SYNC_LEVEL	Sync. level

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.