AiM Infotech

Walbro Skyjet ECU

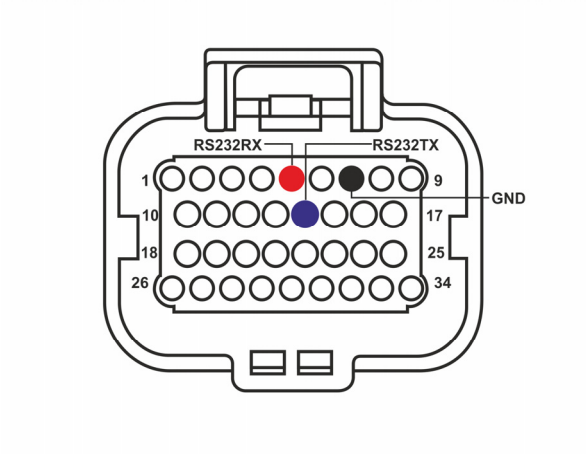
Release 1.01

ECU

This tutorial explains how to connect Walbro Skyjet ECU to AiM devices.

1 Wiring connection

Walbro Skyjet ECU features a serial data transmission bus on 34 pins Superseal front connector. Here below you see connector pinout and connection table.



34 pins Superseal connector pin	Pin function	AiM cable
5	RS232RX	RS232TX
14	RS232TX	RS232RX
7	GROUND	GND

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 “Walbro”
- ECU Model "ECUC_SKYJET"

3
Available channels

Channels received by AiM devices connected to "Walbro" "ECUC_SKYJET" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	W_RPM	RPM
ECU_2	W_BAP	Barometric pressure
ECU_3	W_MAP	Manifold air pressure
ECU_4	W_TPS	Throttle position sensor
ECU_5	W_DELTA_TPS	Throttle position sensor delta
ECU_6	W_T_AIR	Intake air temperature
ECU_7	W_T_ENGINE	Engine temperature
ECU_8	W_VBATT	Battery supply
ECU_9	W_LAMBDA	Lambda value
ECU_10	W_LAMBDA_REF	Reference lambda value
ECU_11	W_IDLE_POS	Idle position
ECU_12	W_GEAR	Engaged gear
ECU_13	W_OTS_FLAG1	Selected map flag 1
ECU_14	W_OTS_FLAG2	Selected map flag 2
ECU_15	W_OTS_FLAG3	Selected map flag 3
ECU_16	W_OTS_FLAG4	Selected map flag 4
ECU_17	W_OTS_FLAG5	Selected map flag 5
ECU_18	W_OTS_FLAG6	Selected map flag 6
ECU_19	W_OTS_FLAG7	Selected map flag 7
ECU_20	W_OTS_FLAG8	Selected map flag 8
ECU_21	W_KILL_FLAG1	Kill flag 1
ECU_22	W_KILL_FLAG2	Kill flag 2
ECU_23	W_KILL_FLAG3	Kill flag 3
ECU_24	W_KILL_FLAG4	Kill flag 4
ECU_25	W_KILL_FLAG5	Kill flag 5

ECU_26	W_KILL_FLAG6	Kill flag 6
ECU_27	W_KILL_FLAG7	Kill flag 7
ECU_28	W_KILL_FLAG8	Kill flag 8
ECU_29	W_DUTY_BOOST	Duty boost
ECU_30	W_ACTIVE_BLOCK	Active block
ECU_31	W_LAMBDA_RAW	Lambda raw value
ECU_32	W_ERCOUNTER	Error counter