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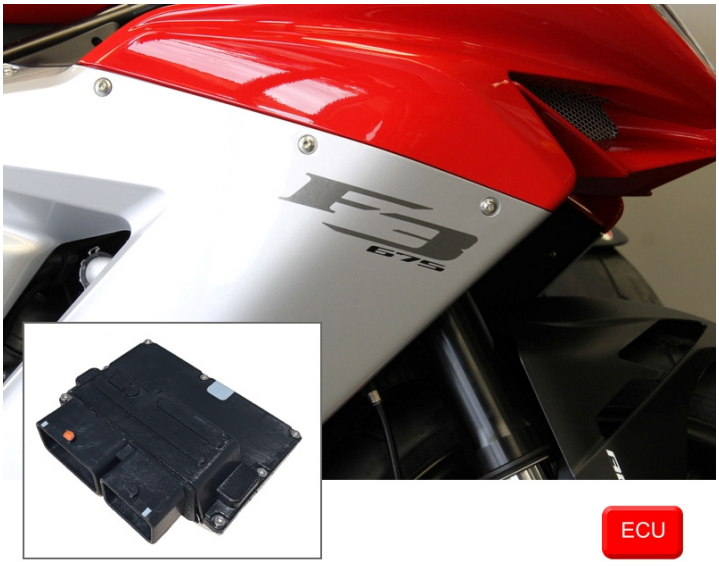
AiM Infotech

MecTronic
MV_ECU KIT_476

Release 1.00



ECU

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1 Supported models

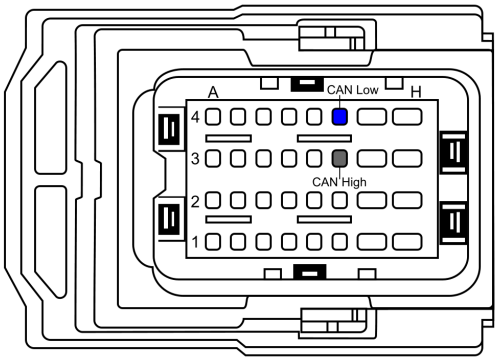
This user guide explains how to connect MV Agusta F3 675 bikes to AiM devices. These bikes are equipped with the following ECUs:

- MecTronik MKE7 marked MVF3SS16
- MecTronik MKELD

Please note: both ECUs need a software setup through Mecal MecTronik software. CAN protocol is to be set on "MV AGUSTA F3 – STOCK 2015".

2 Wiring connection

These MecTronik ECUs feature a bus communication protocol based on CAN on the front 32 ways "B" connector. Here below is connector pinout and bottom of it is connection table Letters and numbers are printed on the connector.



Pin	Function	AiM cable
F-3	CAN High	CAN+
F-4	CAN Low	CAN-

3 AiM device configuration

Before connecting the ECU to AiM device set it up using AiM Race Studio software. The parameters to select in the device configuration are:

- ECU manufacturer: "MecTronik"
- ECU Model: "MV_ECU KIT_476"

4 Available channels

Channels received by AiM devices connected to "MecTronic" "MV_ECU KIT_476" are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ECU_RPM	RPM
ECU_2	ECU_TPS	Throttle Position sensor
ECU_3	ECU_BRK_F	Front brake
ECU_4	ECU_GEAR	Engaged gear
ECU_5	ECU_V_BATT	Battery supply
ECU_6	ECU_SPEED_F	Front wheel speed
ECU_7	ECU_SPEED_R	Rear wheel speed
ECU_8	ECU_ENG_STATE	Engine status
ECU_9	ECU_DBW_STATE	Drive by wire status
ECU_10	ECU_WTS	Engine coolant temperature
ECU_11	ECU_ATS	Intake air temperature
ECU_12	ECU_OPS	Oil pressure
ECU_13	ECU_WORK_MODE	Selected map
ECU_14	ECU_LAMBDA	Lambda value
ECU_15	ECU_SUSP_F	Front suspension
ECU_16	ECU_SUSP_R	Rear suspension