

AiM Infotech

MV Agusta
F3 675 Second Edition
and F4

Release 1.02



ECU



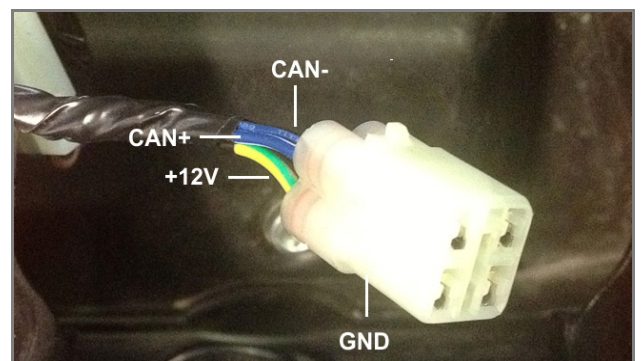
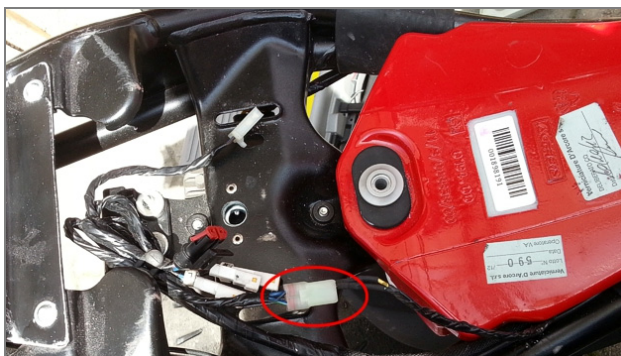
This tutorial explains how to connect AiM devices to MV Agusta bikes equipped with an Eldor ECU. Supported models and years are:

- MV Agusta F3 675cc Second Edition from 2012
- MV Agusta F4 1000cc from 2013

Warning: for this model/year AiM recommends not to remove the stock dash. Doing so will disable some of the bike functions or safety controls. AiM Tech srl will not be held responsible for any consequence that may result from the replacement of the original instrumentation cluster.

1 Wiring connection

MV Agusta F3 675cc Second Edition and F4 1000cc feature a data transmission bus based on CAN on the four pins female connector placed under the bike seat. Here below you see: the connector position on the left and its cables functions on the right.



Here below you see the bike connector pinout and the connection table.

	Cable colour	Pin function	AiM cable
CAN+	Blue/White	CAN high	CAN+
CAN-	Blue/Black	CAN Low	CAN-
+12V	Yellow/Green	+12V	+12V
GND	Blue	GND	GND

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AiM device configuration

Before connecting AiM device to the ECU set it up using AiM Race Studio2 software; the parameters to select in the device configuration are:

- ECU manufacturer "MV_AGUSTA";
- ECU Model "F3"

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Available channels

Channels received by AiM loggers connected to "MV_AGUSTA" "F3" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ECU_RPM	RPM
ECU_2	ECU_SPEED	Vehicle speed
ECU_3	ECU_GEAR	Engaged gear
ECU_4	ECU_MAPS_SW	Maps switch
ECU_5	ECU_HAND_TPS	Hand grip TPS
ECU_6	ECU_ENG_TPS	Engine TPS
ECU_7	ECU_CLUTCH	Clutch switch
ECU_8	ECU_MAN_AIR_PRES	Manifold air pressure
ECU_9	ECU_INT_AIR_TEM	Internal air temperature
ECU_10	ECU_ENG_TEMP	Engine temperature
ECU_11	ECU_VBATT	V battery
ECU_12	ECU_TRACTION	Traction control

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.