

# AiM User Guide

Solo 2 DL, EVO4S and  
ECULog cable for MV Agusta  
F3 from 2012  
F4 2013-2018

Release 1.01

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# 1

## Models and years

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This manual explains how to connect Solo 2 DL, EVO4S and ECULog to the bike engine control unit (ECU).

Compatible models are:

- MV Agusta F3 675 from 2012
- MV Agusta F3 800 from 2012
- MV Agusta F4 1000 2013-2018

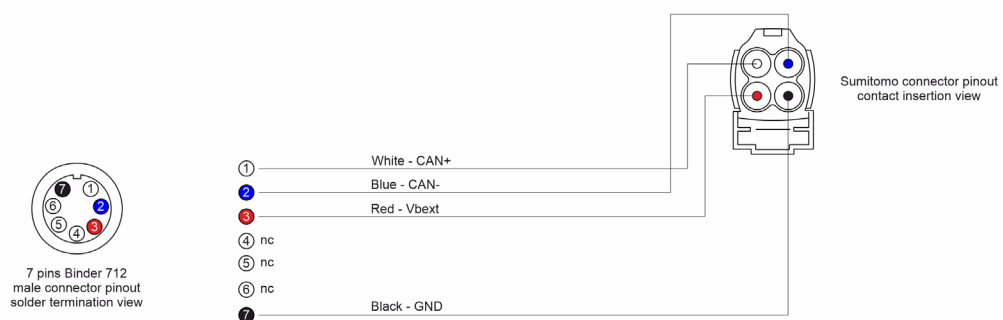
**Warning:** for these models/years AiM recommends not to remove the stock dash. Doing so will disable some of the bike functions or safety controls. AiM Tech srl will not be held responsible for any consequence that may result from the replacement of the original instrumentation cluster.

## 2 Part number

AiM developed a specific connection cable to the bike ECU for Solo 2 DL, EVO4S and ECULog with part number: **V02569310**.



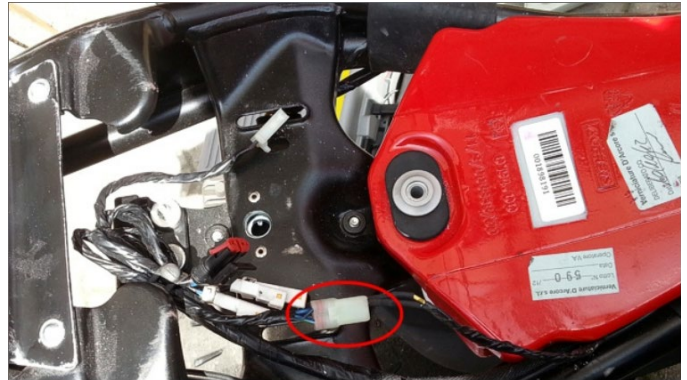
Following image shows the cable constructive scheme.



### 3

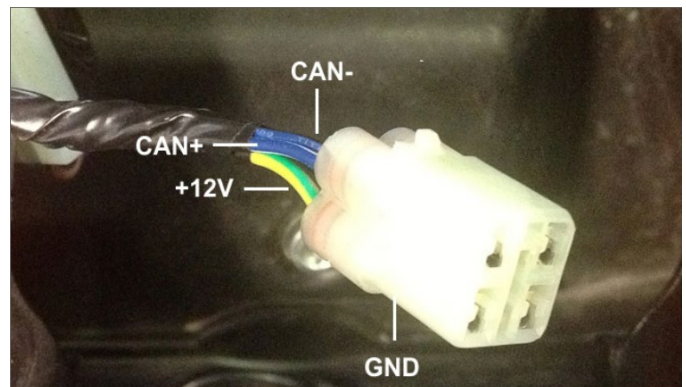
## Solo 2 DL, EVO4S and ECULog connection

MV Agusta communicate through the CAN Bus that can be reached on the 4 pins white connector placed on the left under the bike seat as shown here on the right.



The image on the right shows the bike connector wire colours in detail.

- CAN+ blue/white
- CAN- blue/black
- +12V yellow/green
- GND blue



## 4

# Configuration with RaceStudio 3

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Before connecting AiM device to the bike ECU, set all functions using AiM RaceStudio 3 software. The parameters to set in the AiM device configuration section ("ECU Stream" tab) are:

- ECU Manufacturer: "MV\_Agusta"
- ECU Model: "F3" (**RaceStudio 3 only**)

After this first selection, enable "Silent on CAN Bus" checkbox as follows.



## 5

# "MV\_Agusta – F3" protocol

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Channels received by AiM devices configured with "MV\_Agusta – F3" protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
ECU TRACTION	Traction control
ECU GEAR	Active gear
ECU SPEED	Vehicle speed
ECU RPM	RPM
ECU MAPS SW	Engine maps switch
ECU ENG TEMP	Water temperature
ECU VBATT	Battery voltage
ECU INT AIR TEM	Intake air temperature
ECU MAN AIR PRES	Manifold air pressure
ECU ENG TPS	Throttle position sensor
ECU CLUTCH	Clutch switch
ECU HAND TPS	Handgrip throttle position

**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.