

AIM Infotech

Ducati Hypermotard

Release 1.00



1

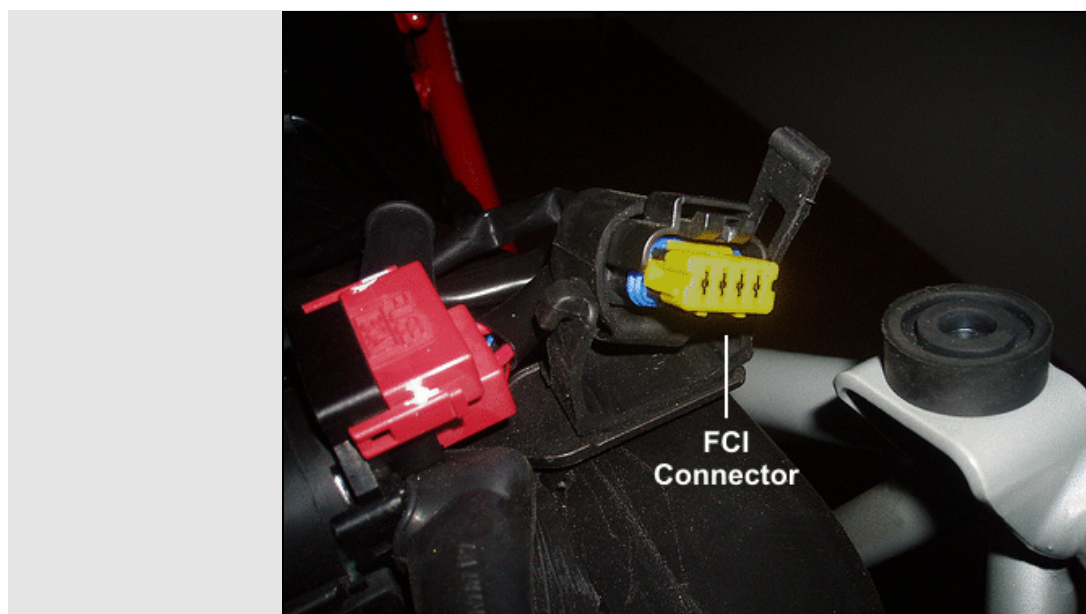
Bike years

This tutorial describes how to connect AIM SoloDL, EVO4 and ECU Bridge to Ducati Hypermotard from 2009 onward.

2

CAN bus connection

Ducati Hypermotard communicates through the CAN Bus that can be reached on an FCI connector placed under the bike seat and shown here below.



3

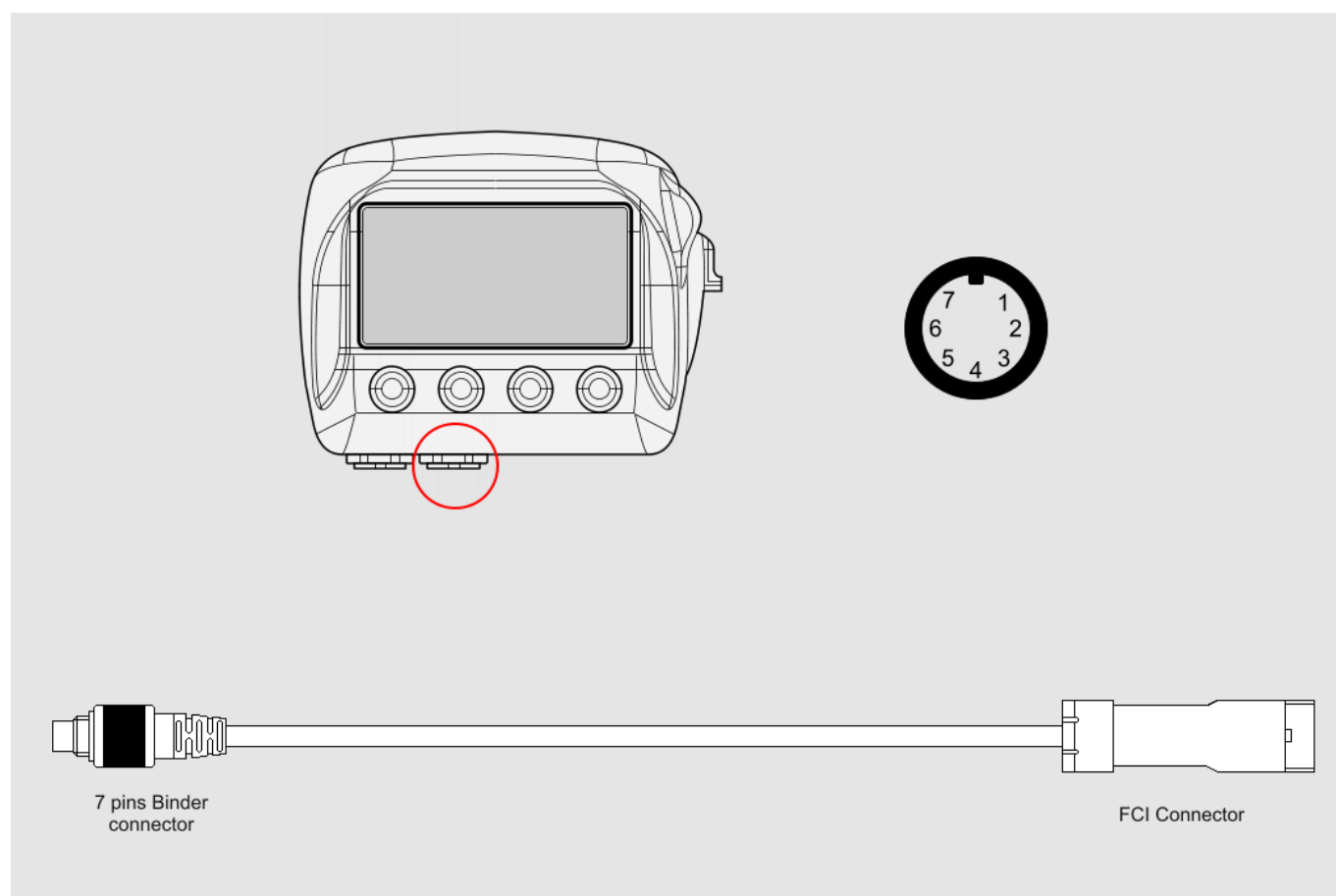
Connection with AIM devices

Here follow instructions on how to connect this Ducati bike to AIM SoloDL, EVO4 and ECU Bridge:

3.1

Connection with SoloDL

To connect SoloDL to this Ducati bike use the seven pins right Binder female connector placed under the logger. This connection requires a dedicated cable properly designed and developed by AIM whose part number is V02569170. Through this cable you can also power your SoloDL. Here below SoloDL female Binder position with its pinout and the dedicated cable are shown.



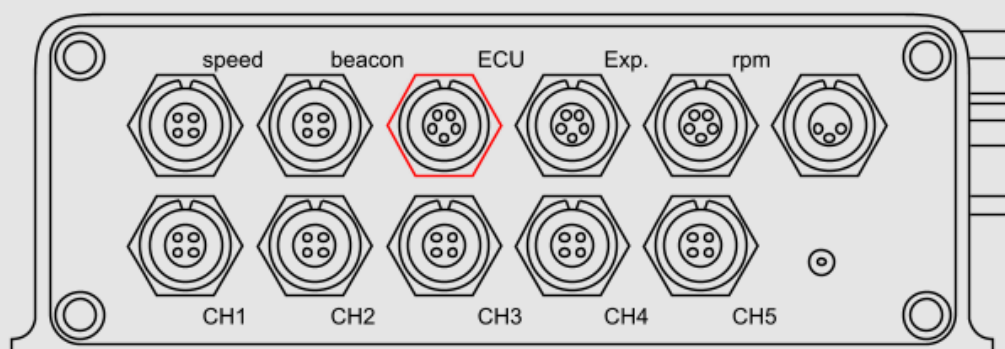
3.2

Connection with EVO4

EVO4 has the CAN Bus on the ECU connector (highlighted in red here below). This connection requires a dedicated cable properly designed and developed by AIM whose part number is V02563150.

Please note: EVO4 needs external power. Refer to EVO4 user manual to know how to power the logger.

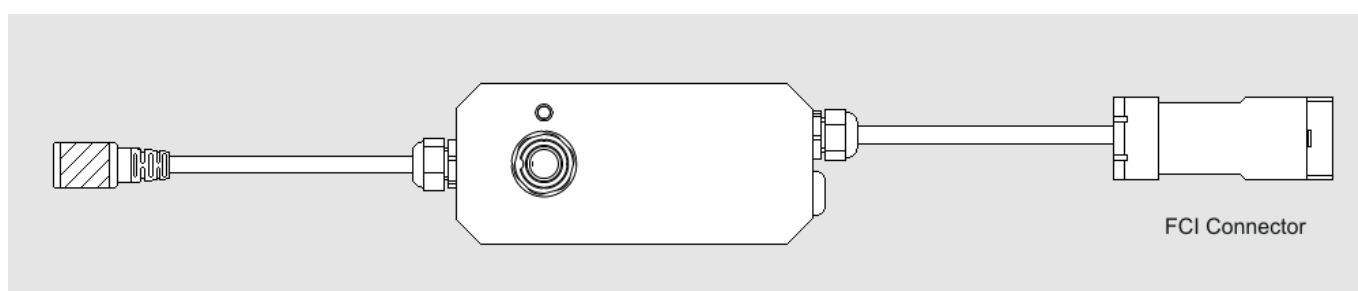
Here below EVO4 RPM connector and the dedicated cable are shown.



3.3

Connection with ECU Bridge

ECU Bridge is available in different versions. The one that fits this installation has part number X90BGDDDA. Through the FCI connector you can also power your ECU Bridge. Here below you see ECU Bridge with the FCI connector.



4

AIM Logger configuration

Once the ECU connected to the logger, this last one is to be configured as connected to that ECU.

Run Race Studio 2 software and follow this path:

- Device Configuration –> Select the device you are using;
- select the configuration or press “New” to create a new one;
- select ECU manufacturer “Ducati” and ECU Model “Hypermotard”;
- transmit the configuration to the device pressing “Transmit”.

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Available channels

Channels received by AIM devices connected to Ducati Hypermotard are:

ID	CHANNEL NAME	FUNCTION
ECU_1	HY_RPM	RPM
ECU_2	HY_SPEED	Vehicle speed
ECU_3	HY_THRT2	Throttle position sensor 1
ECU_4	HY_THRT1	Throttle position sensor 2
ECU_5	HY_ENGT	Engine temperature
ECU_6	HY_IAT	Intake air temperature
ECU_7	HY_VBATT	Battery supply
ECU_8	HY_GEAR	Engaged gear
ECU_9	HY_OIL_LAMP	Oil alarm