AIM Infotech

Ducati Hypermotard
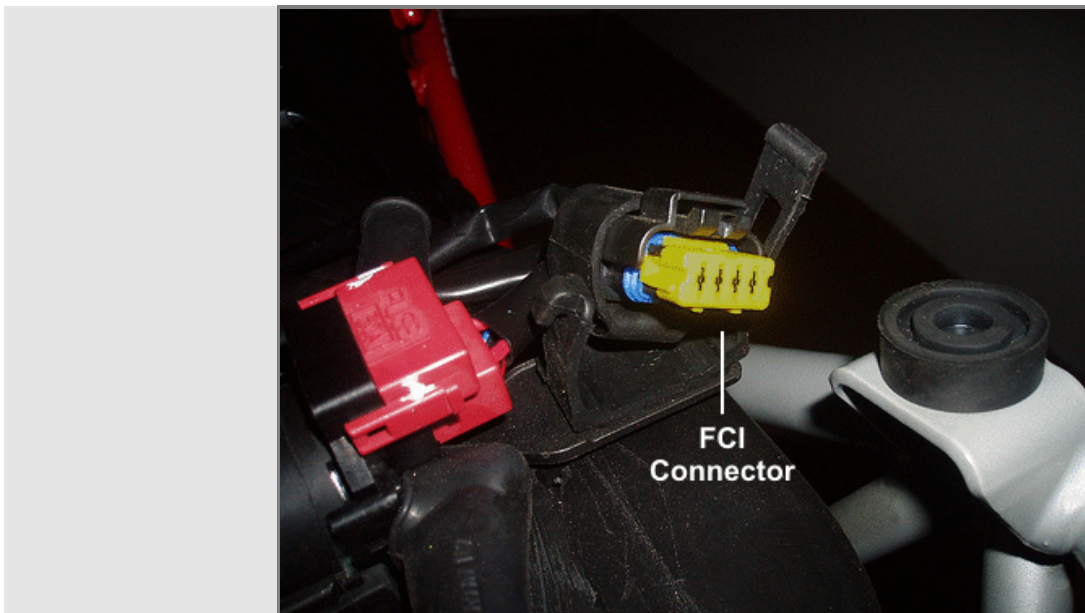

Release 1.01

ECU

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.

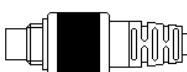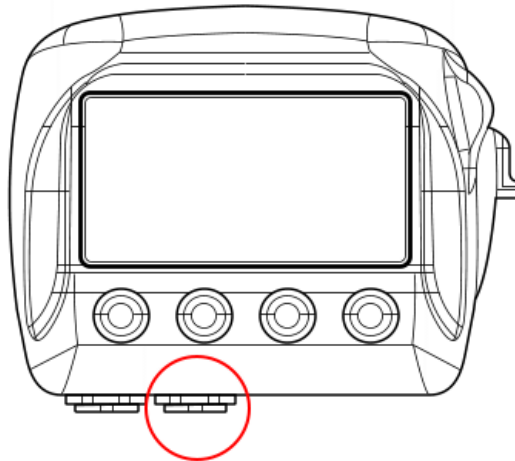# 3
Connection with AIM devices

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.

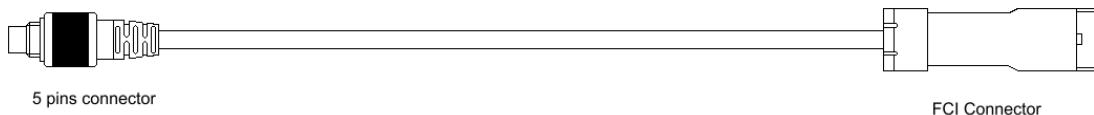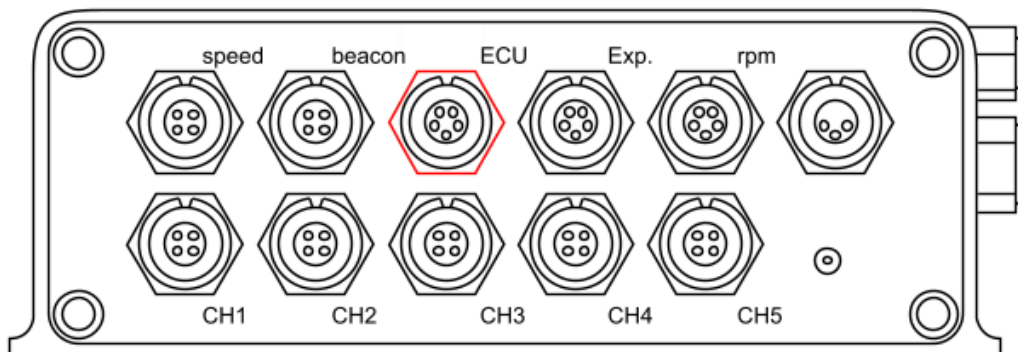7 pins male connector   FCI Connector

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.

5 pins connector

FCI Connector

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.

Connettore FCI

4

AIM Logger configuration

Before connecting the ECU to AiM logger set it up as follows:

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".

5

Available channels

Channels received by AIM devices connected to "Ducati" "Hypermotard" protocol 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

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.