AIM Infotech

Ducati Hypermotard 796
2009-2011

Release 1.02

ECU

AiM

1
Bike years

This tutorial describes how to connect Ducati bikes to AiM devices. Supported years and models are :

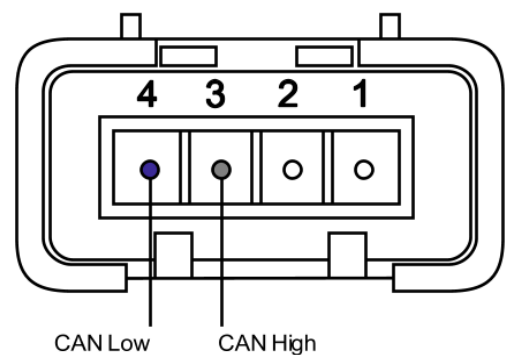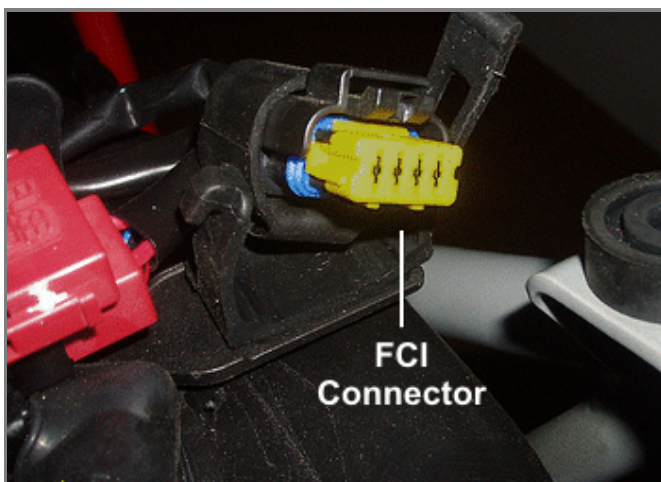* Hypermotard 796   2009-2011

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 consequences that may result from the replacement of the original instrumentation cluster.

2
CAN bus connection

Ducati Hypermotard features a bus communication protocol based on CAN on the FCI connector placed under the bike seat and shown here below on the left; on the right is connector pinout.

3

Configuration with Race Studio 2

Before connecting the ECU to AiM device set this up using Race Studio 2 software. The parameters to select in the device configuration are:

- ECU manufacturer: "Ducati"
- ECU Model: "Hypermotard"

4

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.