AiM InfoTech

Triumph
Daytona 675 2006-2012
Street Triple 2007-2012
Speed Triple 2007-2012

Release 1.01

ECU

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Models and years
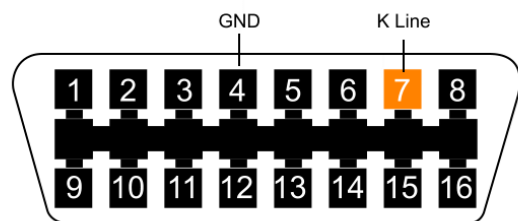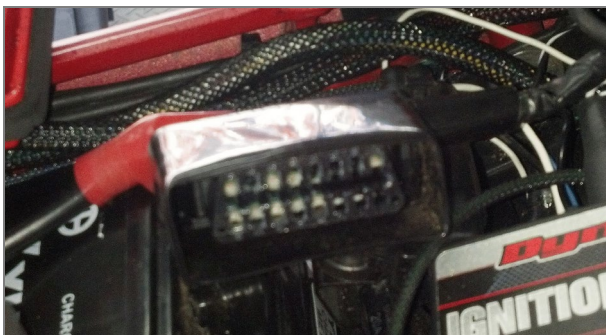
This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.
Supported models and years are:

- Triumph   Daytona   2006-2012
- Triumph   Street Triple   2007-2012
- Triumph   Speed Triple   2007-2012

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OBDII Connection

These models feature a standard diagnostic protocol based on K-Line, accessible through the OBDII plug placed under the bike seat (following left picture). For this installation refer to the following pinout of the OBDII plug (vehicle side – front view) and connection table.

OBDII connector pin	Pin function	AiM cable
7	K-Line	K-Line
4	GND	GND

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Race Studio configuration

Before connecting the AiM device to the ECU, set all functions using AiM software Race Studio. The parameters to set in the device configuration are:

- ECU Manufacturer: **Triumph**
- ECU Model: **BIKE_K_LINE**

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Available channels

Channels received by AiM Devices connected to "Triumph" "BIKE_K_LINE" protocol are.

CHANNEL NAME	FUNCTION
RPM	RPM
SPEED	Vehicle speed
ECT	Engine Coolant Temperature
TPS	Throttle position sensor
IAT	Intake Air Temperature
MAP	Manifold Air Pressure
FUEL LEV	Fuel level
PPS	Hand 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.