

AiM Infotech

AEM Dynoshaft

Release 1.00



Devices



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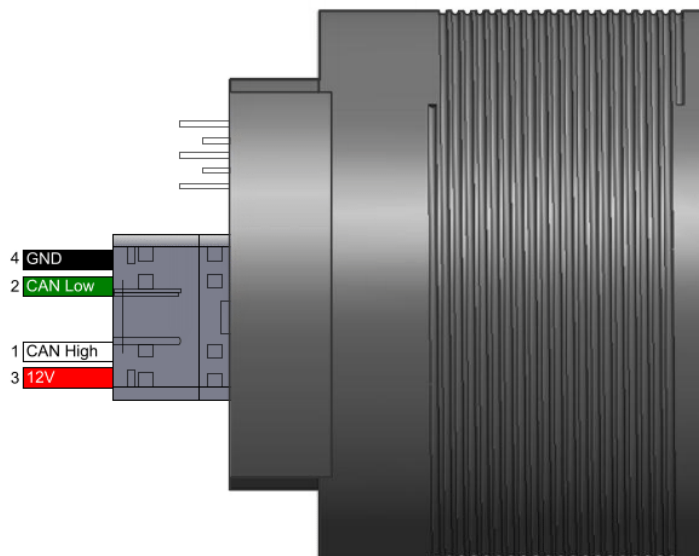
Introduction

This tutorial explains how to connect AEM Dynoshift kit to AiM devices. Please address to AEM for any further information concerning AEM Dynoshift kit.

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Wiring connection

AEM Dynoshift pinout is shown here below. Bottom of it is connection table.



Dynoshift pin	Function	Cable colour	AiM cable
1	CAN High	White	CAN+
2	CAN Low	Green	CAN-

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AiM device configuration

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

- ECU manufacturer "AEM"
- ECU Model "Dynoshaft";

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Available channels

Channels received by AiM loggers connected to "AEM" "Dynoshaft" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	DY_DSH_RPM	RPM
ECU_2	DY_DSH_TQ_FTLB	Driveshaft Torque - ft-lb
ECU_3	DY_DSH_PW_HP	DriveShaft Power - HP
ECU_4	DY_TQ_FR_FTLB	Torque Fraction ft-lb
ECU_5	DY_PW_FR_HP	PowerFraction - HP
ECU_6	DY_DSH_RPM2	DriveShaft RPM
ECU_7	DY_DSH_TQ2FTLB	Driveshaft Torque (low range) - ft-lb
ECU_8	DY_DSH_PW2_HP	Driveshaft Power (low range) - HP
ECU_9	DY_SYS_VOLT	System Voltage
ECU_10	DY_TANK_VOLT	Tank Voltage
ECU_11	DY_SENS_VOLT	Sensor Voltage
ECU_12	DY_POW_LEV	Power level
ECU_13	DY_SENS_TEMP	Temperature sensor
ECU_14	DY_DRV_FREQ	Drive Frequency
ECU_15	DY_SYST_TEMP	System Temperature
ECU_16	DY_ERROR	Mixed Errors and status:



- bit = 0 – Sensor firmware error
- bit = 1 – Controller firmware error
- bit = 2 – Sensor comms active
- bit = 3 – Got good zero offset
- bit = 4 – Got good calibration
- bit = 5 – Led aligned
- bit = 6 – Auto zero active
- bit = 7 – not used