AiM InfoTech

Ferrari
488 Challenge EVO
from 2019

Release 1.00

ECU

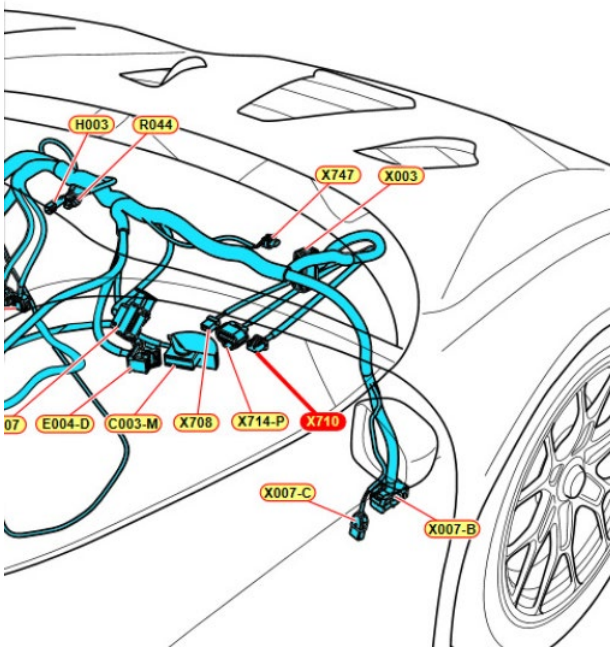
1
Models and years

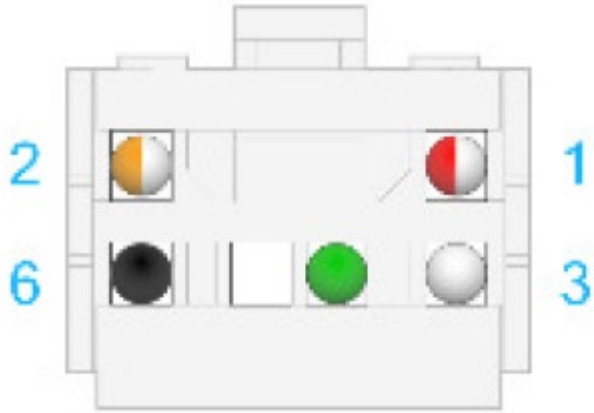
This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.
Supported models and years are:

- Ferrari 488 Challenge EVO from 2019

2
Connection

These models feature a CAN data bus accessible through the 6pins AMP Multilock white connector labelled "X710 – VDL", placed in front of the passenger seat (see following left picture; red label). It is strongly recommended to refer to a skilled technician to perform this kind of installation. For this installation refer to the following pinout of the car's "X710 – VDL" connector (vehicle side – rear view) and connection table.





"X710 – VDL" connector pin	Function	Cable colour	AiM cable
2	12V switched	Yellow/white	9-15VDC
3	CAN H	White	CAN +
4	CAN L	Green	CAN -
6	GND	Black	GND

N.B.: to enable the CAN data output through the "X70 – VDL" connector, **the vehicle ECU firmware must be updated to the latest version available.**

3
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: **Ferrari**
- ECU Model: **488_Challenge**

4
"Ferrari – 488_Challenge" protocol

Channels received by AiM devices configured with " Ferrari – 488_Challenge" protocol are:

CHANNEL NAME	FUNCTION
RPM	RPM
GEAR	Active gear
VEH SPEED	Vehicle speed
STEER ANG	Steering position
PPS	Throttle pedal position
P BRAKE	Brake pressure
ACCY	Lateral accelerometer
ACCX	Inline accelerometer
TC1	Traction control 1
TC2	Traction control 2
ABS	ABS

Technical note: not all data channels outlined in the ECU template are validated for each manufacture's model or variant; some of the outlined channels are model and year specific, and therefore may not be applicable.