AiM Infotech

Maserati Quattroporte, Maserati GranTurismo, Alfa Romeo 8C Competizione ECU

Release 1.03
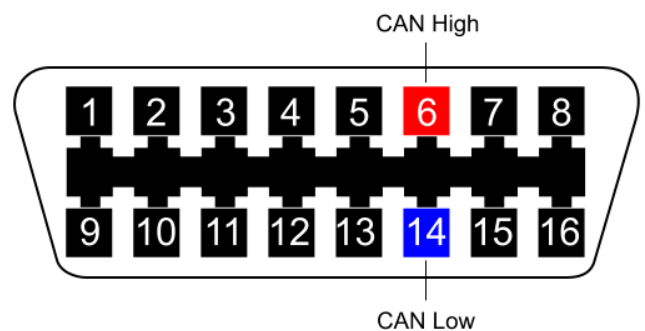
This tutorial explains how to connect Maserati and Alfa Romeo cars to AiM devices. Supported models and years are:

• Maserati	Quattroporte	2008-2012
• Maserati	GranTurismo	from 2007
• Alfa Romeo	8C Competizione	2007-2010

1
CAN connection

These cars feature a bus communication protocol based on CAN on the OBDII plug. This last is located left of the steering wheel on Maserati cars (image here below on the left shows a Maserati GT) and can be found in the same place or under the steering column on Alfa Romeo 8C Competizione. **Please note**: according to the international rules, the OBDII plug is to be in a 60 cm distance area from the steering column. Right image shows OBDII connector pinout; below is connection table.

OBDII connector pin	Pin function	AiM cable
6	CAN High	CAN+
14	CAN Low	CAN-

2

AiM device configuration

Before connecting the ECU to AiM device set this up using AiM Race Studio software. The parameters to be selected are:
- ECU manufacturer "Maserati"
- ECU Model "QuattroPorte_GT (From2007)"

3

Available channels

Channels received by AiM devices connected to "Maserati" "QuattroPorte_GT (from 2007)" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	QP_RPM	RPM
ECU_2	QP_PPS	Gas pedal position sensor
ECU_3	QP_TPS	Throttle position sensor
ECU_4	QP_ECT	Engine cooling temperature
ECU_5	QP_CAT_T_LAMP	Catalyst temperature lamp 0=Normal 1=High 2=Very High
ECU_6	QP_BRAKE_SW	Brake switch
ECU_7	QP_STEER_ANGLE	Steering angle
ECU_8	QP_BRAKE_PRESS	Brake pressure
ECU_9	QP_GEAR	Engaged gear
ECU_10	QP_WH_SPD_RR	Rear right wheel speed
ECU_11	QP_WH_SPD_RL	Rear left wheel speed
ECU_12	QP_WH_SPD_FR	Front right wheel speed
ECU_13	QP_WH_SPD_FL	Front left wheel speed

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.