AiM Infotech

Magneti Marelli MMTC2000 ECU

Release 1.02

ECU

1
Supported models and years

This user guide explains how to connect AiM devices to Marelli MF4 ECU installed as stock on:
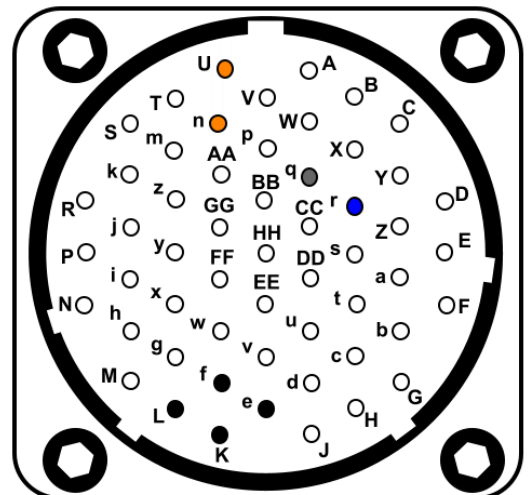
- cars running Argentina TC 2000 (Turismo Competición/Touring Championship).

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CAN bus connection

These cars are equipped with a Marelli MF4 ECU and feature a bus communication protocol based on CAN on the 55 pins front Deutsch male connector. Here below you see the connector on the left, its pinout on the right and connection table bottom of them.

Pin	Pin function	AiM cable
q	CAN High	CAN+
r	CAN Low	CAN-
K, L, e or f	GND	GND
n or U	+Vbattery	Vbatt

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AiM device configuration

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

- ECU Manufacturer: "Marelli"
- ECU Model: "MMTC2000"

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Available channels

Channels received by AiM devices connected to "Marelli" "MMTC2000" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	MAR_RPM	RPM
ECU_2	MAR_THROTTLE	Throttle position sensor
ECU_3	MAR_SPEED	Speed
ECU_4	MAR_OIL_PRESS	Oil pressure
ECU_5	MAR_BATT_VOLT	Battery supply
ECU_6	MAR_WATER_TEMP	Engine coolant temperature
ECU_7	MAR_AIR_TEMP	Intake air temperature
ECU_8	MAR_FUEL_PRESS	Fuel pressure
ECU_9	MAR_INTAKE_AIR_PRESS	Intake air pressure
ECU_10	MAR_LAMBDA_CORR	Lambda correction value
ECU_12	MAR_OIL_TEMP	Oil temperature