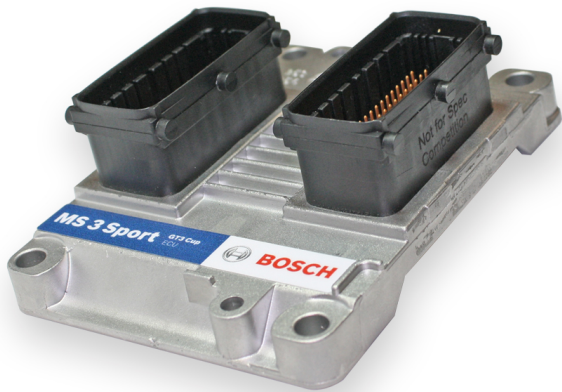


Engine Control Unit MS 3 Sport GT3 Cup



- ▶ Free and full access to the ECU
- ▶ No wiring changes necessary
- ▶ Support for 3rd party displays via CAN
- ▶ Plug and play with base “safe” calibration
- ▶ Pre-configured workbases for free Bosch Motorsport calibration tools

The MS 3 Sport GT3 Cup motorsport ECU enables you to optimize the software of Ex-Porsche GT3 Cup cars (996 GT3 Cup; 997 GT3 Cup) by getting full access to the ECU, allowing you to adapt it to any engine hardware changes. The software offers additional features and comes with a base calibration.

Application

Compatible Porsche type series	996 GT3 Cup; 997 GT3 Cup series
Engine layout	Max. 6 cyl., 2 bank
Control strategy	Alpha/n
Lambda control	Dual
Speed limiter	
Gear cut for sequential gear box	
Map switch corresponds to 3 different target lambda and spark maps.	
Fuel cut off	
Sequential fuel injection	
Asymmetric injection timing	
Asymmetric ignition timing	
Knock control	Inclusive
Traction control	Inclusive
Interface to Bosch Motorsport ABS M4 kit	
Support of 60-2 and 36-2 ignition trigger wheels	
Max. vibration	Vibration Profile 3 (see Appendix or www.bosch-motorsport.com)

Technical Specifications

Mechanical Data

Extremely small and flat aluminum pressure casting housing	
4 mounting points on housing	
2 connectors with high pin density	
Extremely shock and vibration proof hybrid technology	
Size	120 x 90 x 40 mm
Weight	250 g
Temperature range	-40 to 125°C

Electrical Data

Max. power consumption	10 W at 14 V
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Power supply

Full operation	9 to 16 V
Recommended	11 to 14 V

Inputs

2 lambda interfaces LSU	
4 inputs for Hall-effect wheel speed sensors	
1 input for inductive crankshaft sensor	
1 input for Hall-effect camshaft sensor	
22 analog inputs 0 to 5 V	
2 knock sensor inputs	

Outputs

6 injection power stages	
6 ignition power stages (7.5 to 8.0 A)	
8 power stages (1 A/2 A; low side; PWM)	
2 power stages for lambda heater	
1 H-bridge (5 A)	

2 sensor supplies 5 V/100 mA

Software Tools

Modas Sport Calibration Software	Inclusive
WinDarab Analysis Software	On request

Environment (not included)

Programming interface MSA-Box II	F 02U V00 327-03
Data logger C 70	F 02U V02 300-02
Display DDU 9	F 02U V02 302-01

Mating Connectors (not included)

Mating Connector I	D 261 205 139-01
Mating Connector II	D 261 205 140-01

Communication

- 1 K-line serial interface
- 1 CAN interface

Ordering Information

Engine Control Unit MS 3 Sport GT3 Cup

Delivery with Porsche GT3 specific base calibration
Order number **F 02U V0U 082-01**

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