

Engine Control Unit MS 15 Sport

www.bosch-motorsport.com



- ▶ 6 injection output stages
- ▶ For solenoid injectors
- ▶ 21 data inputs

The MS 15 Sport is an ECU for Diesel engines with up to 6 cylinders. It is developed for use in combination with Bosch solenoid injectors. The MS 15 Sport software is provided with an optimized function range. The MS 15 Sport is able to operate in 12 V or 24 V systems.

Application

Engine layout	Max. 6 cyl.
Injector type	Solenoid injectors
Control strategy	Quantity based
Injection timing	1 main injection 1 pilot injection opt.
Turbo boost control	Single Turbo
Speed limiter	
Gear cut for sequential gearbox	

Technical Specifications

Mechanical Data

Aluminum housing
2 connectors with 60 and 94 pins
6 housing fixation points

Max. dimensions w/o connectors	203 x 140 x 38 mm
with connectors	203 x 167 x 38 mm
Weight	Approx. 725 g
ECU internal temperature range	-20 to 75°C

Electrical Data

Power consumption w/o inj.	Approx. 5 W
Power consumption at full load	Approx. 120 W

Inputs

1 input for inductive crankshaft sensor
1 input for Hall-effect camshaft sensor
2 inputs for redundant pedal position sensor
6 analog inputs 0 to 5 V: fuel: low system and rail pressure boost pressure, oil pressure exhaust gas: pressure and temperature
5 NTC temperature inputs: intake and boost air temperature fuel, coolant and oil temperature
1 input for Hall vehicle speed sensor
3 digital inputs: lap beacon, pit speed limiter and fuel reset

1 internal ambient pressure sensor

1 internal ECU temperature sensor

Outputs

6 injection power stages for solenoid injectors

9 power stages: main; fuel pump; glow plug and 2 fan relays; fuel metering unit of high pressure pump; turbo actuator (PWM 5.0 Amps); engine speed signal for tachometer; diagnostic lamp

Optional Functionality

Pilot injection SW upgrade	F 02U V00 776-01
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Pressure control valve PCV SW upgrade	F 02U V00 777-01
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Environment

Programming interface MSA-Box II (not included)	F 02U V00 327-01
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Complete SW documentation

Calibration guide

Incl. work base and configuration of Modas Sport

Preconfigured CAN-messages for DDU

Incl. SW tool Race Lab Sport with preconfigured settings

Mating connectors (not included)

Connector K (vehicle: 94 pin)	D 261 205 353-01
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Connector A (engine: 60 pin)	D 261 205 354-01
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Installation Notes

Depending on your experiences with calibration of ECUs we recommend calibration support from Bosch Motorsport.

Please remember that the mating connectors and the programming interface MSA-Box II are not included and must be ordered separately.

Communication

2 CAN interfaces	Display / logger Calibration software
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1 K-Line	Software download
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Ordering Information

Engine Control Unit MS 15 Sport

Order number **F 02U V00 350-01**

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