

ECU MS 15 Sport

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 a 12 V or 24 V system.



Application

Engine layout	up to 6 cyl.
Injector types	solenoid valve injectors
Control strategy	quantity based
Injection timing	1 main injection
Turbo boost control	single Turbo
Lambda measurement	-
Traction control	-
Speed limiter	✓

Mechanical Data

Dust and waterproof aluminium housing	
2 connectors with 60 and 94 pins	
6 housing fixation points	
Maximum dimensions	
without connectors	203 x 140 x 38 mm
with connectors	203 x 167 x 38 mm
Weight	approx. 725 g
ECU internal temperature range	-20 ... 75 °C

Connectors

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

Included Features

Complete SW documentation
Calibration guide
Incl. workbase and configuration of Modas Sport
Preconfigured CAN-messages for DDU Sport
Incl. configuration and evaluation tool Race Lab Sport with preconfigured settings

Optional Functionality

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

Electrical Data

Power consumption w/o inj.	approx. 5 W
Power consumption @ 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 ... 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

Communication interfaces

2 CAN interfaces	display / logger calibration software
1 K-Line	software download

Part Number

MS 15 Sport	F 02U V00 350-01
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