

ABS M5 Kit Clubsport

www.bosch-motorsport.com



- ▶ Suitable for front-wheel, rear-wheel and four-wheel drive vehicles
- ▶ Generic wiring harness to fit all engine bay and front foot well locations for the hydraulic module
- ▶ Same ABS hardware as standard ABS M5 Kit

The ABS M5 Kit Clubsport is developed for the operation in front-, rear- or 4-wheel drive vehicles. A generic wiring harness is included in the kit. This enables us to provide the kit with a significantly reduced price in comparison to the standard ABS M5 Kit with individual loom.

The ABS M5 Kit Clubsport is specifically adapted for motorsport use. Individual car parameters like e.g. vehicle weight, vehicle track, wheel weights, wheel circumferences, wheel base or number of increments can be calibrated with software free of charge. Please contact your Bosch Motorsport dealer for further information.

Technical Specifications

Mechanical Data

Hydraulic unit with attached ECU

Serial housing, dust- and damp-proof

Vibration damped circuit board

38 pin connector

2 hydraulic valves per wheel

2 brake circuits (front and rear)

2 hydraulic high pressures pumps

2 hydraulic accumulators 5 cm³/each

Standard fittings 2 x master cylinders M12 x 1
4 x brake cylinders M10 x 1

Size 122 x 110 x 122 mm

Weight 1,910 g

Operating temperature -30 to 130°C

Max. shock 50 g less than 6 ms

Electrical Data

Supply voltage 10 to 16 V, max. 24 V for 5 min

Max. peak voltage 35 V for 200 ms

Power consumption Pump 230 W

Power consumption Relay 170 W

Power consumption Electronics 8 W

Inputs

4 active wheel speed DF11

Brake pressure (front brake circuit / rear brake circuit)

Longitudinal acceleration, lateral acceleration, yaw rate (MM5.10 sensor)

11 adjustment settings

ABS function can be deactivated (Pos. 12)

Outputs

ABS warning light (MIL)

TTL wheel speed signal FL / FR / RL / RR

Communication

ABS and Yaw Rate Sensor CAN1

Diagnostics MSA Box II

Content of Kit and Weights

Hydraulic unit with attached ECU 1,910 g

2 pressure sensors 40 g/each

Yaw/acceleration sensor 60 g

12 position function switch 50 g

4 wheel speed sensors DF11 standard 50 g/each

ABS warning light (MIL) 50 g

Standard wiring harness 1,540 g

Mounting and vibration-damping boards 80 g

Mounting board for hydraulic unit 212 g

Optional Accessories

Data logger C 70 F 02U V02 302-01

Display DDU 9 F 02U V02 300-02

Display DDU 10 F 02U V02 659-01

Communication interface MSA Box II F 02U V00 327-02

Wheel speed signal splitter with 1 motorsport connector F 02U V01 928-01

Ordering Information

ABS M5 Kit Clubsport

DF11i, 500 KBaud

Order number **F 02U V05 291-01**

ABS M5 Kit Clubsport

DF11i, 1 MBaud

Order number **F 02U V05 292-01**

ABS M5 Kit Clubsport

DF11S, 500 KBaud

Order number **F 02U V05 293-01**

ABS M5 Kit Clubsport

DF11S, 1 MBaud

Order number **F 02U V05 294-01**

Represented by:

Europe:
Bosch Engineering GmbH
Motorsport
Robert-Bosch-Allee 1
74232 Abstatt
Germany
Tel.: +49 7062 911 9101
Fax: +49 7062 911 79104
motorsport@bosch.com
www.bosch-motorsport.de

North America:
Bosch Engineering North America
Motorsport
38000 Hills Tech Drive
Farmington Hills, MI 48331-3417
United States of America
Tel.: +1 248 876 2977
Fax: +1 248 876 7373
motorsport@bosch.com
www.bosch-motorsport.com

Latin America:
Robert Bosch Ltda
Motorsport
Av Juscelino Kubitscheck de
Oliveira 11800
Zip code 81460-900
Curitiba - Parana
Brazilia
Tel.: +55 41 3341 2057
Fax: +55 41 3341 2779

Asia-Pacific:
Bosch Engineering Japan K.K.
Motorsport
18F Queen's Tower C, 2-3-5 Minato Mirai
Nishi-ku, Yokohama-shi
Kanagawa 220-6218
Japan
Tel.: +81 45 650 5610
Fax: +81 45 650 5611
www.bosch-motorsport.jp

Australia, New Zealand and South Africa:
Robert Bosch Pty. Ltd
Motorsport
1555 Centre Road
Clayton, Victoria, 3168
Australia
Tel.: +61 (3) 9541 3901
motor.sport@au.bosch.com