

# ABS M5 Kit Clubsport



- ▶ 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

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 cm <sup>3</sup> /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
Max. working speed	360 km/h = 100 m/s = 224 mph

### Pressure Medium

DOT 4 brake fluid
DOT 5.1 brake fluid

### 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 DF11i, DF11S or DF11V
Brake pressure (front brake circuit / rear brake circuit)
Longitudinal acceleration, lateral acceleration, yaw rate (MM7.10 sensor)
11 adjustment settings
ABS function can be deactivated (Pos. 12)

### Outputs

ABS warning light (MIL)
TTL wheel speed signal FL / FR / RL / RR

### Content of Kit and Weights

Hydraulic unit	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-damp- ing boards	80 g
Mounting board for hydraulic unit	212 g

### Communication

ABS and Yaw rate sensor	CAN1
Diagnostics	MSA Box II

### Installation Notes

Maintenance Interval (brake fluid change, bleed-  
ing): 220 h or a maximum of two years.

The load on the hydraulic unit in racing is much  
higher than in pure road operation, therefore we  
recommend a replacement of the unit after two  
years.

### Legal Restrictions

Generally blocked are direct and indirect business  
involving high risk destinations, including Russia,  
Belarus, Cuba, Iran, North Korea, Syria, Libya, Afgh-

anistan, and certain non-governmental controlled  
Ukrainian regions. This list may change as geopolit-  
ics evolve.

### Ordering Information

#### ABS M5 Kit Clubsport

DF11i, 500 kbaud  
Order number **F02U.V05.291-01**

#### ABS M5 Kit Clubsport

DF11i, 1 Mbaud  
Order number **F02U.V05.292-01**

#### ABS M5 Kit Clubsport

DF11S, 500 kbaud  
Order number **F02U.V05.293-01**

#### ABS M5 Kit Clubsport

DF11S, 1 Mbaud  
Order number **F02U.V05.294-01**

#### ABS M5 Kit Clubsport

DF11V, 500 kbaud  
Order number **F02U.V05.295-01**

#### ABS M5 Kit Clubsport

DF11V, 1 Mbaud  
Order number **F02U.V05.296-01**

#### Com Interface MSA-Box II

Not mandatory if available  
Order number **F02U.V00.327-03**

#### Represented by:

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