

# Original BMW Parts and Accessories.

## Installation Instructions.



### **19-Inch M Performance Sport Brake Retrofit Kit.**

**Front and rear axle with lightweight perforated sport brake disks.**

**BMW M2 (F87, F87 Competition)**

**Retrofit kit only suitable for approved wheels (see EPC and also section 7 for details).**

#### **Retrofit kit number**

34 11 2 462 268 M Sport red brake system retrofit kit

#### **Installation time**

The installation time is **approx. 3.0 hours**. This may vary depending on the condition of the car and its equipment package.

The installation time shown does not include any time spent on programming/coding.

The calculation of the total costs for the programming time must be factored into the calculation of retrofitting costs (must not be invoiced under the warranty).

#### **Important information**

These installation instructions are primarily designed for use within the BMW dealership organisation and by authorised BMW service companies.

These installation instructions are intended for use by qualified specialist staff trained on BMW cars with the relevant expert knowledge.

All work must be completed using the latest BMW repair manuals, wiring diagrams, servicing manuals and work instructions, in a logical order, using the prescribed tools (special tools), and observing current health and safety regulations.

#### **If you experience installation or function problems, restrict troubleshooting to approx. 0.5 hours for mechanical work and 1.0 hour for electrical work.**



To avoid unnecessary extra work and/or costs, send an inquiry straight away to the technical parts support team via the Aftersales Assistance Portal (ASAP).

Quote the following information:

- VIN,
- retrofit kit part number,
- a detailed description of the problem,
- any work already carried out.

Do not archive the hard copy of these installation instructions, since daily updates are supplied in ASAP!

## Pictograms

-  Denotes instructions that draw your attention to dangers.
-  Denotes instructions that draw your attention to special features.
- ◀ Denotes the end of the instruction or other text.

## Installation information

All illustrations show LHD (left-hand drive) cars; proceed similarly on RHD (right-hand drive) cars.

## Ordering instructions


For the vehicle assignment, see the latest information in the EPC.

## Note for the customer (important documents and information for the customer)

The workshop certificate (see enclosure) must be completed and given to the customer together with the customer information **G (Part No. 01 29 2 462 895)** and the TÜV report/Parts Approval **(Part No. 01 29 2 469 147)**.

The customer must be told that national acceptance and a modification of the vehicle's paperwork are required because the brake system data relevant for the approval have changed. Correct installation must be confirmed by an officially approved expert or inspector.

The design characteristics of the perforated brake disks mean that they may generate noise during use; however this does not affect the stability of the brake system.

-  Run in the M Performance sport brake carefully for the first 200 km. After this, the full sporty characteristics of the brake system can develop. ▶

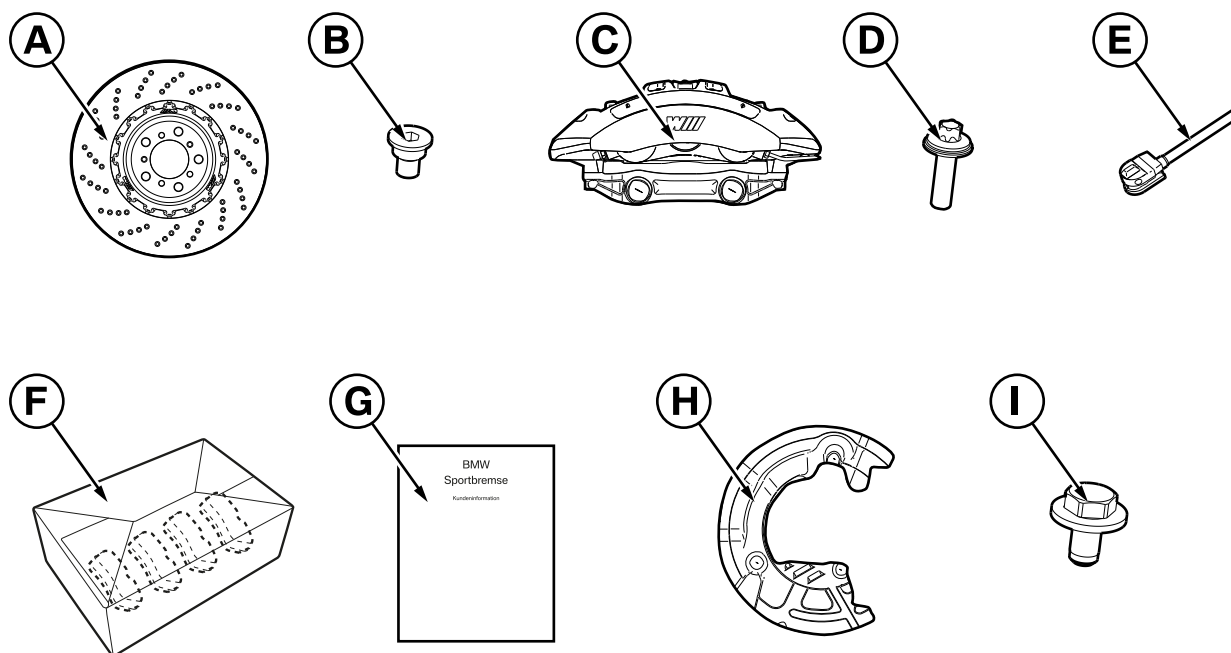
## Special tools required

34 1 050 Brake piston tool

## Table of contents

Section	Page
1. Front axle parts list .....	4
2. Rear axle parts list .....	5
3. Preparatory work .....	6
4. Front axle installation work .....	7
5. Rear axle installation work .....	8
6. Concluding work and coding .....	9
7. Approved wheels .....	10
8. Workshop certificate .....	11

## 1. Front axle parts list

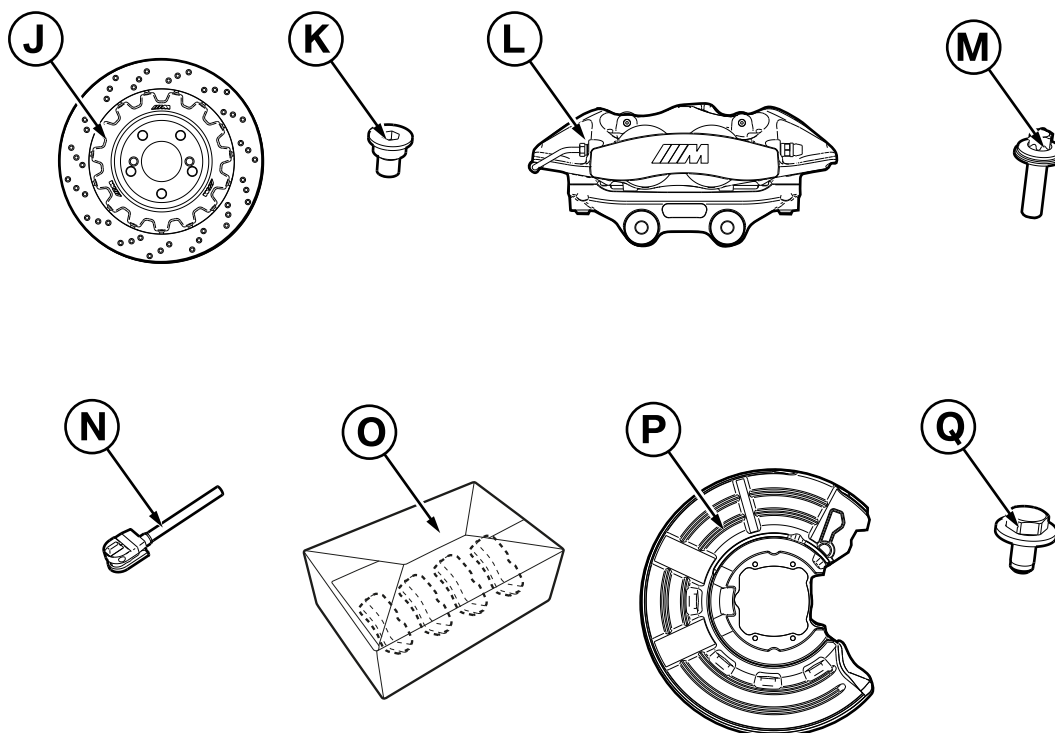


F87 0160 V

### Legend

- A** Lightweight, perforated front brake disk (2 x, left/right)
- B** Hexagon socket screw for brake disk (2 x)
- C** Front brake calliper (2 x, left/right)
- D** Hexagon screw for brake calliper (4 x)
- E** Front brake pad wear sensor
- F** Front brake pad (1 set)
- G** Customer information
- H** Front brake guard plate (2 x, left/right)
- I** Hexagon screw for brake guard plate (8 x)

## 2. Rear axle parts list



F87 0161 V

### Legend

- J** Lightweight, perforated rear brake disk (2 x, left/right)
- K** Hexagon socket screw for brake disk (2 x)
- L** Rear brake calliper (2 x, left/right)
- M** Hexagon screw for brake calliper (4 x)
- N** Rear brake pad wear sensor
- O** Rear brake pad (1 set, including pad guide plates)
- P** Rear brake guard plate (2 x, left/right)
- Q** Hexagon screw for brake guard plate (8 x)

### 3. Preparatory work

	ISTA/AIR No.
Conduct a brief test	---
Disconnect the negative battery cable	12 00 ...
<b>The following components must be removed first of all</b>	
Front and rear wheel	36 10 340
Front brake pad wear sensor	34 35 001
Front brake pad	34 11 000
Front brake calliper	34 11 519
Front brake disk	34 11 220
Front brake guard plates (for 17-inch and 18-inch brake guard plates)	34 11 250
Rear brake pad wear sensor	34 35 003
Rear brake pad	34 21 200
Rear brake calliper	34 21 745
Rear brake disk	34 21 320
Rear brake guard plate	34 21 282
Replace the handbrake pad	34 41 220

## 4. Front axle installation work

Install the following parts as described in the relevant ISTA/AIR number:

- Install front brake guard plates **H** using hexagon screws **I** as described in ISTA/AIR No. **34 11 250**
- Install front lightweight brake disks **A** using hexagram socket screws **B** as described in ISTA/AIR No. **34 11 220**
- Install front brake pads **F** using brake pad paste as described in ISTA/AIR No. **34 11 000**
- Install front brake calliper **C** using hexagon screws **D** as described in ISTA/AIR No. **34 11 519**
- Install front brake pad wear sensor **E** as described in ISTA/AIR No. **34 35 001**

## 5. Rear axle installation work

Install the following parts as described in the relevant ISTA/AIR number:

- Install rear brake guard plates **P** using hexagon screws **Q** as described in ISTA/AIR No. **34 21 282**
- Install rear lightweight brake disks **J** using hexagram socket screws **K** as described in ISTA/AIR No. **34 21 320**
- Install rear brake pads **O** using brake pad paste as described in ISTA/AIR No. **34 21 200**
- Install rear brake callipers **L** with hexagon screws **M** as described in ISTA/AIR No. **34 21 745**
- Install rear brake pad wear sensors **N** as described in ISTA/AIR No. **34 35 003**


## 6. Concluding work and coding


The retrofit system requires programming/coding.

- Connect the battery
- Bleed the brake system with DSC as described in ISTA/AIR No. **34 00 050**
- Fit the front and rear wheels as described in ISTA/AIR No. **36 10 300**
- Encode the retrofit with the Software Service Station (SSS) via the – **Retrofit/Sport Brake** – path
- Conduct a brief test
- Carry out a function test (please use ISTA/AIR No. **34 00 ...** Follow the General Instructions on Running-In New Brake Disks / Brake Pads).


The workshop certificate (see enclosure) must be completed and given to the customer together with the customer information **G (Part No. 01 29 2 462 895)** and the TÜV report/Parts Approval **(Part No. 01 29 2 469 147)**.

The customer must be told that national acceptance and a modification of the vehicle's paperwork are required because the brake system data relevant for the approval have changed. Correct installation must be confirmed by an officially approved expert or inspector.

 Important information for the customer: Run in the M Performance sport brake carefully for the first 200 km. After this, the full sporty characteristics of the brake system can develop. ◀

 The design characteristics of the perforated brake disks mean that they may generate noise during use; however this does not affect the stability of the brake system. ◀

## 7. **Approved wheels**

 Only Original BMW alloy wheels of 19 inches or over may be used after the 19-inch M Performance sport brake has been installed. This also applies to winter wheels.

The current status of which wheels may be installed is set out in the EPC. ◀

## 8. Workshop certificate



# Workshop certificate M Performance sport brake

### Part number

34 11 462 268 M Sport red brake system retrofit kit

The M Performance sport brake has been installed as described in Installation Instructions No. **01 29 2 469 145**.

### For F87, F87 Competition:

Extract from the EC type approval, part number **01 29 2 469 147** (available on the ASAP).

Extract from EC type approval **e1\*2007/46\*0377\*16**.

Car model:

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VIN:

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Name and address of the vehicle keeper:

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Place, date

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Signature of person responsible

Dealership (company name/stamp)