

Group 3E Recognition FORM

A) Vehicle seen from 3/4 front



B) Vehicle seen from 3/4 rear



1. GENERAL

101. Manufacturer

BMW

102. Commercial name(s) - Model and type

M2 F87 COMPETITION

103. Engine capacity

2979 cm³ Corrected engine capacity **2979 x 1.7 = 5064** cm³

104. Type of car construction

a) Type

separate chassis

monocoque

b) Material of chassis / bodyshell

STEEL/CARBON FIBRE/REINFORCED PLASTIC/ALUMINUM

106. Number of seats

4

2. DIMENSIONS, WEIGHT

Tare Weight

1518 kg**RVD CPA Number. 46002-1349537**

Minimum Racing Weight

1496 kg

202. Overall length

4661 mm ± 1 %

203. Maximum overall width

1854 mm ± 1 % Where measured **RVD**

204. Width of bodywork

a) At front axle

1854 mm ± 1 %

b) At rear axle

1854 mm ± 1 %206. Wheelbase **2693** mm ± 1 %

207. Maximum track

a) Front **1579** mm

b)

Rear **1601** mm

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3. ENGINE (In case of rotary engine, see Art. 335 on additional form)

301. Location and position of the engine **FRONT**

302. Number of mounts **2**

Engine in its compartment



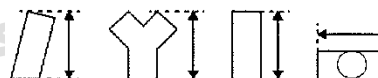
304. Supercharging

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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Maximum manifold pressure **N/A**

Type and number of compressors **TURBOCHARGERS X 2**

305. Number and layout of cylinders **6/ INLINE**



312. Cylinder block material **ALUMINUM**

310. Maximum compression ratio **10.2** : 1

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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313. Sleeves

a)

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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b) Material _____

c)

<input type="checkbox"/> wet	<input checked="" type="checkbox"/> dry
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314. Bore **84** +0/- 0.1 mm

316. Stroke **89.6** +0/- 0.1 mm

321. Cylinderhead a) Number **1** b) Material **ALUMINUM**

324. Fuel feed by injection : a) Make **BOSCH** b) Model **DIRECT INJECTION**

f) Position of Injectors:

f1)

<input type="checkbox"/> Manifold	<input checked="" type="checkbox"/> Cylinderhead
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325. Camshaft a) Number **2** b) Location **CYLINDER HEAD**
c) Drive system **CHAINED** f) Type of valve operation **DOHV, VVTI**

327. Intake

a) Material of manifold **PLASTIC**
b) Number of manifold elements **1** c) Number of valves per cylinder **2**

328. Exhaust

a) Material of manifold **CAST IRON**
b) Number of manifold elements **2** d) Number of valves per cylinder **2**

p) External Diameter of exhaust pipe between manifold and first silencer **65** mm ± 5%

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330. Ignition system

- a) Type **ELECTRONIC**
- b) Number of plugs per cylinder **1**
- c) Number of distributors **0**
- d) Number of coils **6**

331. Cooling system

Capacity **10 L**

332. Cooling fan

- a) Number **1**
- b) Diameter of the fan **495 mm**
- c) Material of the fan **PLASTIC**
- d) Number of blades **9**
- e) Type of drive **ELECTRONIC**
- f) Automatic cut in yes no

333. Lubrication system

- a) Type **WET SUMP**
- b) Number of oil pumps **2**
- c) Total capacity **6.5 L**
- e) Location of the cooler(s) **FRONT**
- f) Type of the cooler(s) **AIR TO AIR**

4. FUEL CIRCUIT

401. Fuel tank

- b) Location **UNDER VEHICLE**
- d) Total capacity **52 L**

402. Fuel pump(s)

- a) Elelectrical Mechanical
- b) Number **3**
- d) Location **FUEL TANK / ENGINE**

Fuel Pressure **5 BAR/ 200 BAR**

5. ELECTRICAL EQUIPMENT

502. Alternator

- a) Number **1**
- b) Type **BOSCH**
- c) Drive system **BELT**
- d) Nominal power **210 Amp**

503. Retractable headlights

- a) yes no
- b) Control system _____

6. POWER TRAIN

601. Driven wheels

- front yes no
- rear yes no

602. Clutch

- a) Type **DUAL CLUTCH WET**
- b) Control system **ELECTRONIC**

603. Gearbox

- a) Location **LONGITUDINAL BEHIND ENGINE**
- b) Make **GETRAG**
- c) Type and location of control **AUTOMATIC AND PADDLE**
- e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<u>4.806:1</u>	_____	_____



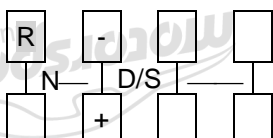
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2	_____	<u>2.593:1</u>	_____	_____
3	_____	<u>1.701:1</u>	_____	_____
4	_____	<u>1.277:1</u>	_____	_____
5	_____	<u>1.000:1</u>	_____	_____
6	_____	<u>0.844:1</u>	_____	_____
7	_____	<u>0.671:1</u>	_____	_____
R	_____	<u>4.172</u>	_____	_____

f) Gear change gate



604. Transfer box / Centre differential

a) Ratios

N/A

c) Control system of transfer box

d) Type of central differential

605. Final drive

a) Type of final drive

Front

N/A

Rear

HYPOLID LSD

b) Ratio

3.462:1

f) Oil Cooler

yes

no

yes

no

g) Cooler Type

FINS

606. Shafts

a) Type of longitudinal shafts

2 PIECE

b) Material of longitudinal shafts

STEEL

c) Type of transversal half-shafts

CV

d) Material of transversal half-shafts

STEEL

7. SUSPENSION

701. General

a) Type of suspension

Front

MCPHERSON

Rear

MULTI-LINK

702. Helical springs

yes

no

yes

no

a) Material

STEEL

STEEL

705. Other type of suspension

See description on additional form



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706. Stabiliser

- b) Effective diameter
- c) Material

Front	Rear
<u>24.6</u> mm	<u>22</u> mm
<u>STEEL</u>	<u>STEEL</u>

707. Suspension Dampers

- a) Number per wheel
- b) Type
- c) Principle of operation

Front	Rear
<u>1</u>	<u>1</u>
<u>COIL OVER</u>	<u>TWIN TUBE</u>
<u>HYDRAULIC</u>	<u>HYDRAULIC</u>

8. WHEELS

801. Wheels

- a) Diameter
- b) Width
- c) Offset

Front	Rear
<u>19</u>"	<u>19</u>"
<u>9</u>"	<u>10</u>"
<u>29</u> mm	<u>40</u> mm



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803. Brakes

- a) Braking system
- b) Number of master cylinders
- c) Servo-brakes

HYDRAULIC

1

yes no

c1) Make and type **BOSCH**

	Front	Rear
e) Number of pistons per wheel	6	4
g) Disc brakes		
g1) Number of pads per wheel	2	2
g2) Number of calipers per wheel	1	1
g3) Caliper material	ALUMINUM	ALUMINUM
g4) Thickness of new disc	36 ± 1 mm	28 ± 1 mm
g5) External diameter of the disc	400 ± 1.5 mm	380 ± 1.5 mm
g9) Ventilated discs	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no

h) Parking brake: h1) Control system **CABLE / LEVER**

h2) Location of lever **CENTRE CONSOLE**

h3) On Front Rear

which wheels

Effet sur roues

804. Steering

- a) Type
- b) Servo-assistance
- Type of Assistance

Front		Rear	
RACK PINION		N/A	
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input type="checkbox"/> no
ELECTRONIC		N/A	

9. BODYWORK

901. Interior

- a) Ventilation
- c) Air Conditioning

yes no
 yes no

b) Heating

yes no

f) Optional sun roof

yes no

f1) Type

f2) Control system

g) Opening system for side windows

Front	Rear
ELECTRIC	ELECTRIC

X) Dashboard

Y) Sunroof





N/A

902. Exterior

a) Number of doors **2**

b) Tailgate

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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c) Door material

Front	Rear
<u>STEEL</u>	<u>STEEL</u>

d) Front bonnet material

STEEL

e) Rear bootlid / tailgate material

STEEL

f) Bodywork material

STEEL

h) Rear window material

GLASS

i) Rear quarter window material

GLASS

k) Side window material

Front	Rear
<u>GLASS</u>	<u>GLASS</u>
<u>PLASTIC</u>	<u>PLASTIC</u>

l) Material of bumper

PLASTIC

PLASTIC

n) Exterior Rear wiper

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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XIII) NON METALLIC PARTS OF THE BODY

Number	Part	Material
	REAR BUMPER	PLASTIC
	FRONT BUMPER	PLASTIC
	KIDNEY GRILLS	PLASTIC
	MIRRORS	PLASTIC

Make **BMW**
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	DOOR HANDLES	PLASTIC
	BOOT LID	CARBON (OPTIONAL)
	BONNET	CARBON (OPTIONAL)
	ROOF	CARBON (OPTIONAL)
	FRONT SPLITTER	CARBON (OPTIONAL)
	REAR WING	CARBON (OPTIONAL)
	REAR DIFFUSER	CARBON (OPTIONAL)
	FRONT GUARDS	CARBON (OPTIONAL)
	REAR SIDE WINGLETS	CARBON (OPTIONAL)
	REAR SPOILER	CARBON (OPTIONAL)

COMPLEMENTARY INFORMATION

Optional BMW Motorsport Competition Carbon Parts



51192449476 Carbon Front Splitter



51192409319 Carbon Rear Wing



41622460278 Carbon Boot

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COMPLEMENTARY INFORMATION



51192361666 Carbon Rear Diffuser

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41312460277 Carbon Roof



41612449807 Carbon Bonnet

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COMPLEMENTARY INFORMATION



51192365985 and 51192365984 Carbon Fibre Rear Winglets



41352449803 & 43152449804 Carbon side Panels



51622334541 Carbon Rear Spoiler

ERRATA:



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Following components are no longer approved:

- 41622460278 Carbon Boot
- 51192361666 Carbon Rear Diffuser
- 41312460277 Carbon Roof
- 41612449807 Carbon Bonnet
- 51192365985 and 51192365984 Carbon Fibre Rear Winglets
- 41352449803 & 43152449804 Carbon side Panels

