

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 N55 ENGINE

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 / REINFORCED PLASTIC/ALUMINUM

106. Number of seats

4

2. DIMENSIONS, WEIGHT

Tare Weight

1463 kg

RVD CPA Number. 46002-1153875

Minimum Racing Weight

1460 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

Make **BMW**

Model **M2 F87**

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

yes

no

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

313. Sleeves

a)

yes

no

b) Material

c)

wet

dry

314. Bore

84 +/- 0.1 mm

316. Stroke

89.6 +/- 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)

Manifold

Cylinderhead

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

Make BMW

Model M2 F87

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%

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) Electrical 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

GETRAG



Make **BMW**

Model **M2 F87**

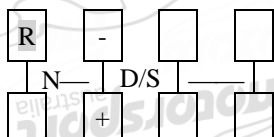
AUTOMATIC AND PADDLE

c) Type and location of control

e) Ratios

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

N/A

HYPOID 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

Front	Rear



Make BMW

Model M2 F87

a) Type of suspension

MCPHERSON

MULTI-LINK

702. Helical springs

yes

no

yes

no

a) Material

STEEL

STEEL

705. Other type of suspension

See description on additional form

706. Stabiliser

Front

Rear

b) Effective diameter

24.6 mm

22 mm

c) Material

STEEL

STEEL

707. Suspension Dampers

Front

Rear

a) Number per wheel

1

1

b) Type

COIL OVER

TWIN TUBE

c) Principle of operation

HYDRAULIC

HYDRAULIC

8. WHEELS

801. Wheels

Front

Rear

a) Diameter

19"

19"

b) Width

9"

10"

c) Offset

29 mm

40 mm

Make **BMW**

Model **M2 F87**

803. Brakes

a) Braking system

HYDRAULIC

b) Number of master cylinders

1

c) Servo-brakes

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	30 ± 1 mm	24 ± 1 mm
g5) External diameter of the disc	380 ± 1.5 mm	370 ± 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 which wheels

Effet sur roues

Front Rear

804. Steering

a) Type

	Front	Rear
	RACK PINION	N/A
b) Servo-assistance	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Type of Assistance	ELECTRONIC	N/A

9. BODYWORK

901. Interior

a) Ventilation

yes no

c) Air Conditioning

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

Make **BMW**

Model **M2 F87**



N/A

902. Exterior

a) Number of doors 2

b) Tailgate yes no

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

yes

no

XIII) NON METALLIC PARTS OF THE BODY

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

Make **BMW**Model **M2 F87**

MIRRORS	PLASTIC
DOOR HANDLES	PLASTIC
FRONT SPLITTER	CARBON (OPTIONAL)
REAR WING	CARBON (OPTIONAL)
REAR SPOILER	CARBON (OPTIONAL)

COMPLEMENTARY INFORMATION**Optional BMW Motorsport Competition Carbon Parts**

51192361668 Front Splitter Right
51192365981 Front Splitter Left



51192409319 Carbon Rear Wing

Make BMW

Model M2 F87

COMPLEMENTARY INFORMATION



51622334541 Carbon Rear Spoiler