

## Group 3E Recognition Document

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

**M4 F82/F32 COUPE**

103. Engine capacity

**2979** cm<sup>3</sup> Corrected engine capacity **2979 x 1.7 = 5063** cm<sup>3</sup>

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**

**1477** kg

**RVD CPA Number. 45590-1170278**

**Minimum Racing Weight**

**1473** kg

202. Overall length

**4671** mm ± 1 %

203. Maximum overall width

**1870** mm ± 1 % Where measured **SIDE GAURDS**

204. Width of bodywork

a) At front axle

**1870** mm ± 1 %

b) At rear axle

**1870** mm ± 1 %

206. Wheelbase **2812** mm ± 1 %

207. Maximum track

a) Front **1545** mm

b)

Rear **1594** mm

**Make** BMW

**Model** M4 Coupe

**3. ENGINE**

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

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

302. Number of mounts **2**

Engine in its compartment



304. Supercharging  **yes**  **no**

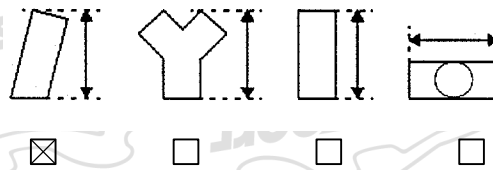
Maximum manifold pressure **1.79 BAR**

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

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

312. Cylinder block material **ALUMINIUM**

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



313. Sleeves a)  **yes**  **no**

b) Material **IRON**

c)  **wet**  **dry**

314. Bore **84** +0/- 0.1 mm

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

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

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 **CHAIN** f) Type of valve operation **DOHC, VVTI**

**327. Intake**

a) Material of manifold **PLASTIC**

b) Number of manifold elements **1**

c) Number of valves per cylinder **2**



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**Make** BMW

**Model** M4 Coupe

**328. Exhaust**

- a) Material of manifold **CAST IRON**
- b) Number of manifold elements **3**
- d) Number of valves per cylinder **3**
- p) External Diameter of exhaust pipe between manifold and first silencer **70** 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 **13.9** L

- a) Number **1**
- b) Diameter of the fan **440** mm
- c) Material of the fan **PLASTIC**
- d) Number of blades **9**
- e) Type of drive **ELECTRONIC**
- f) Automatic cut in 

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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**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 **60** L

**402. Fuel pump(s)**

- a) 

<input checked="" type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Mechanical
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- b) Number **3**
- d) Location **FUEL TANK / ENGINE**
- Fuel Pressure **5 BAR / 500 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) 

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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- b) Control system

**6. POWER TRAIN**

**601. Driven wheels**

- front 

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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- rear 

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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**602. Clutch**

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



**Make** BMW

**Model** M4 Coupe

**603. Gearbox**

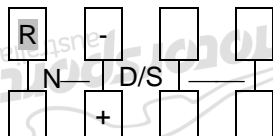
a) Location **LOGITUDINAL BEHIND ENGINE** b) Make **GETRAG**

c) Type and location of control **AUTOMATIC FLOOR AND PADDLE**

e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<b><u>4.806:1</u></b>	_____	_____
2	_____	<b><u>2.593:1</u></b>	_____	_____
3	_____	<b><u>1.701:1</u></b>	_____	_____
4	_____	<b><u>1.277:1</u></b>	_____	_____
5	_____	<b><u>1.000:1</u></b>	_____	_____
6	_____	<b><u>0.844:1</u></b>	_____	_____
7	_____	<b><u>0.671:1</u></b>	_____	_____
R Constant mesh	_____		_____	_____

f) Gear change gate



**605. Final drive**

a) Type of final drive

b) Ratio

f) Oil Cooler

g) Cooler Type

	Front	Rear
a) Type of final drive	<b><u>N/A</u></b>	<b><u>HYPOID LSD</u></b>
b) Ratio	<b><u>N/A</u></b>	<b><u>3.462:1</u></b>
f) Oil Cooler	<input type="checkbox"/> yes	<input type="checkbox"/> no
g) Cooler Type	<b><u>N/A</u></b>	<b><u>PLATE / FIN</u></b>

**606. Shafts**

a) Type of longitudinal shafts **1 PIECE WITH CV**

b) Material of longitudinal shafts **CARBON COMPOSITE**

c) Type of transversal half-shafts **CV**

d) Material of transversal half-shafts **STEEL**

Make **BMW**

Model **M4 Coupe**

**7. SUSPENSION**

**701. General**

	Front	Rear
a) Type of suspension	<b>MCPHERSON</b>	<b>MULTI-LINK</b>
702. Helical springs	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
a) Material	<b>STEEL</b>	<b>STEEL</b>
703. Leaf springs	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	<b>N/A</b>	<b>N/A</b>
704. Torsion bars	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	<b>N/A</b>	<b>N/A</b>

**705. Other type of suspension**

See description on additional form

**706. Stabiliser**

	Front	Rear
b) Effective diameter	<b>24</b> mm	<b>23</b> mm
c) Material	<b>STEEL</b>	<b>STEEL</b>

**707. Suspension Dampers**

	Front	Rear
a) Number per wheel	<b>1</b>	<b>1</b>
b) Type	<b>COIL OVER</b>	<b>TWIN TUBE</b>
c) Principle of operation	<b>HYDRAULIC</b>	<b>HYDRAULIC</b>

**8. WHEELS**

**801. Wheels**

	Front	Rear
a) Diameter	<b>20"</b>	<b>20"</b>
b) Width	<b>9"</b>	<b>10"</b>
c) Offset	<b>+29</b> mm	<b>+40</b> mm

**803. Brakes**

- a) Braking system **HYDRAULIC**
- b) Number of master cylinders **1**
- c) Servo-brakes  yes  no

c1) Make and type **BOSCH**

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**Make** BMW

**Model** M4 Coupe

	Front	Rear
e) Number of cylinders per wheel	<u>6</u>	<u>4</u>
g) <b>Disc brakes</b>		
g1) Number of pads per wheel	<u>2</u>	<u>2</u>
g2) Number of calipers per wheel	<u>1</u>	<u>1</u>
g3) Caliper material	<u>ALUMINIUM</u>	<u>ALUMINIUM</u>
g4) Thickness of new disc	<u>38 ± 1 mm</u>	<u>28 ± 1 mm</u>
g5) External diameter of the disc	<u>400 ± 1.5 mm</u>	<u>380 ± 1.5 mm</u>
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 FLOOR**

<input type="checkbox"/> Front	<input checked="" type="checkbox"/> Rear
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**804. Steering**

a) Type

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

b) Servo-assistance

Type of Assistance

**9. BODYWORK**

**901. Interior**

a) Ventilation

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no

b) Heating

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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c) Air Conditioning

f) Optional sun roof

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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f1) Type N/A

f2) Control system N/A

Front	Rear
<u>ELECTRONIC</u>	<u>N/A</u>

g) Opening system for side windows

X) Dashboard

Y) Sunroof



**902. Exterior**

a) Number of doors 2

b) Tailgate

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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Make **BMW**Model **M4 Coupe**

Front	Rear
<u>STEEL</u>	<u>N/A</u>

c) Door material

d) Front bonnet material **ALUMINIUM** e) Rear bootlid / tailgate material **PLASTIC/ALUMINIUM**f) Bodywork material **STEEL/ALUMINIUM/CARBON COMPOSITE** g) Rear window material **GLASS**i) Rear quarter window material **GLASS**

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

k) Side window material

l) Material of bumper

n) Exterior Rear wiper

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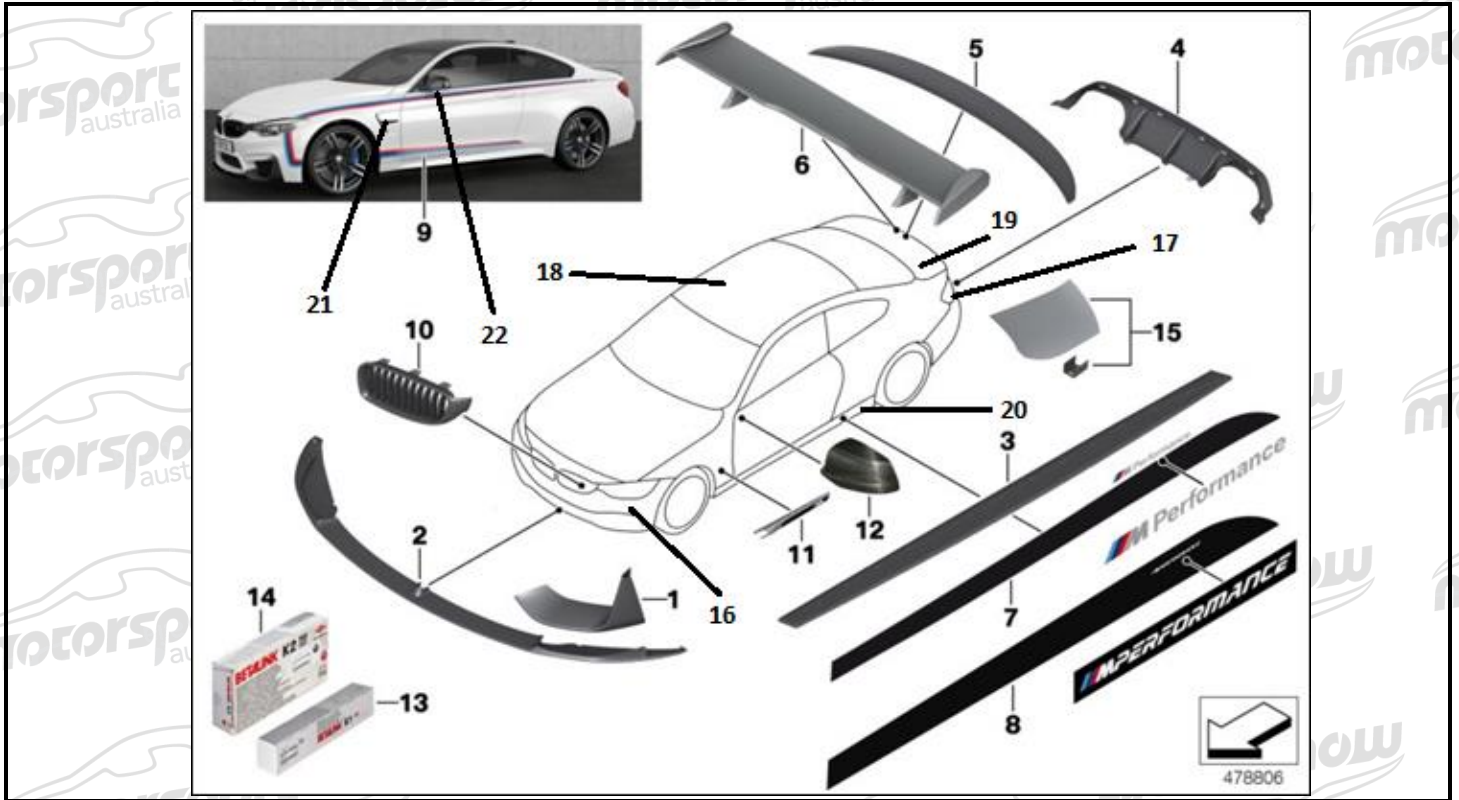
**XIII) NON METALLIC PARTS OF THE BODY**

Number	Part	Material
18	Roof panel	CFRP (Carbon Fibre Reinforced Plastic)
19	Rear trunk lid	Plastic(outer shell), Aluminium(inner structure)
17	Rear bumper	Plastic
16	Fron bumper	Plastic
20	Side Skirts	Plastic
21	Front Fender Kidney Grill/Vent	Plastic
22	Mirrors	Plastic
Additional page	Refer to Complementary Information on carbon body parts	CFRP

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Make BMW

Model M4 Coupe

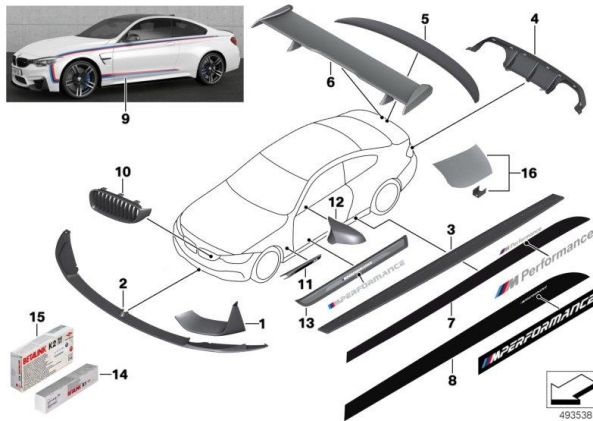




Make BMW

Model M4 Coupe

## COMPLEMENTARY INFORMATION

**1. Carbon Ceramic Brake Kit****Genuine BMW Australian part number is: BM-34112358378****2. M Performance Accessories****List of genuine parts available from Australian BMW.****1/2 Front Splitter – 51192350712/51192410360****3 Rocker panel cover – 51192350719****5 Rear Spoiler – 51192350722****6 Rear wing – 51192409319****Either the 5. Rear spoiler or 6. Rear wing can be used, not both together**

Option Permitted:

**6. POWER TRAIN****606. Shafts**

b) Material of longitudinal shafts

**STEEL**

**Make** BMW**Model** M4 Coupe**ERRATA:**

Version 3-17-002B

Added Tare Weight and RVD CPA number

Updated Minimum Race Weight to align with RVD

Deleted Carbon Brakes option

Deleted Options as per List of genuine parts available from Australian BMW

Added Optional Parts with part numbers:

Front Splitter

Rocker Panel Cover

Rear Spoiler

Rear Wing