

**Group 3E HOMOLOGATION 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

**E36 M3 3.0L**

103. Engine capacity

**2990** cm<sup>3</sup>

Corrected engine capacity

**2990** x **1.0** = **2990** cm<sup>3</sup>

104. Type of car construction

a) Type

separate chassis

monocoque

b) Material of chassis / bodyshell

**STEEL/ALUMINIUM**

106. Number of seats

**5**

**2. DIMENSIONS, WEIGHT**

Minimum Racing Weight

**1448** kg

202. Overall length

**4433** mm ± 1 %

203. Maximum overall width

**1890** mm ± 1 %

Where measured

**SIDE MIRRORS**

204. Width of bodywork

a) At front axle

**1650** mm ± 1 %

b) At rear axle

**1700** mm ± 1 %

206. Wheelbase

**2710** mm ± 1 %

207. Maximum track

a) Front **1422** mm

b) Rear **1444** mm

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**Make** BMW

**Model** E36 M3 3.0i

**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 type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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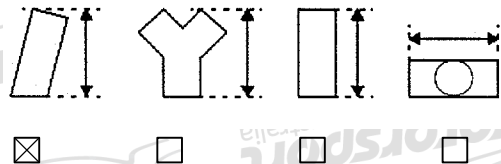
Maximum manifold pressure \_\_\_\_\_

Type and number of compressors \_\_\_\_\_

**305. Number and layout of cylinders** IL 6

**312. Cylinder block material** CAST IRON

**310. Maximum compression ratio** 10.8 : 1



**313. Sleeves**

a)  yes  no

b) Material \_\_\_\_\_

c)  wet  dry

**314. Bore** 86 +/- 0.1 mm

**316. Stroke** 85.8 +/- 0.1 mm

**321. Cylinderhead**

a) Number 1

b) Material ALUMINIUM

**324. Fuel feed by injection :** a) Make BOSCH/BMW

b) Model BMW

f) Position of Injectors:

f1)  Manifold  Cylinderhead

**325. Camshaft**

a) Number 2

b) Location OVERHEAD

c) Drive system CHAIN

f) Type of valve operation ROCKER

**327. Intake**

a) Material of manifold ALUMINIUM

b) Number of manifold elements 6

c) Number of valves per cylinder 2



Make **BMW**Model **E36 M3 3.0i****328. Exhaust**

- a) Material of manifold **STEEL**
- b) Number of manifold elements **2**
- d) Number of valves per cylinder **2**
- e) External Diameter of exhaust pipe between manifold and first silencer **56** mm ± 5%

**330. Ignition system**

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

**331. Cooling system**Capacity **10** L**332. Cooling fan**

- a) Number **1**
- b) Diameter of the fan **420** mm
- c) Material of the fan **PLASTIC**
- d) Number of blades **11**
- e) Type of drive **VISCOUS VIA BELT**
- f) Automatic cut in  yes  no

**333. Lubrication system**

- a) Type **MECHANICAL**
- b) Number of oil pumps **1**
- c) Total capacity **6** L
- e) Location of the cooler(s) **BELOW RADIATOR**
- f) Type of the cooler(s) **AIR COOLED**

**4. FUEL CIRCUIT****401. Fuel tank**

- b) Location **UNDER REAR SEAT**
- d) Total capacity **65** L

**402. Fuel pump(s)**

- a)  Elelectrical  Mechanical
- b) Number **1**
- d) Location **IN TANK**
- Fuel Pressure **5 BAR**

**5. ELECTRICAL EQUIPMENT****502. Alternator**

- a) Number **1**
- b) Type **VALEO**
- c) Drive system **BELT**
- d) Nominal power **120** 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 **SINGLE**
- b) Control system **HYDRAULIC**

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**Make** BMW

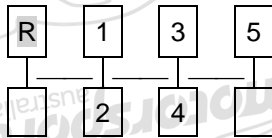
**Model** E36 M3 3.0i

**603. Gearbox**

- a) Location **IN LINE**
- b) Make **ZF**
- c) Type and location of control **MANUAL - ON TRANSMISSION TUNNEL**
- e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	—	<u>4.2</u>	—	<u>Y</u>
2	—	<u>2.49</u>	—	<u>Y</u>
3	—	<u>1.66</u>	—	<u>Y</u>
4	—	<u>1.24</u>	—	<u>Y</u>
5	—	<u>1.0</u>	—	<u>Y</u>
6	—	<u>N/A</u>	—	<u>N</u>
R	—	<u>3.89</u>	—	<u>N</u>
Constant	—	—	—	—

f) Gear change gate



**604. Transfer box / Centre differential**

- a) Ratios
- c) Control system of transfer box
- d) Type of central differential

**605. Final drive**

- a) Type of final drive
- b) Ratio
- f) Oil Cooler
- g) Cooler Type

	Front	Rear
a) Type of final drive	<u>N/A</u>	<u>LSD</u>
b) Ratio	—	<u>3.15</u>
f) Oil Cooler	<input type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
g) Cooler Type	—	<u>FINS</u>

**606. Shafts**

- a) Type of longitudinal shafts 1
- b) Material of longitudinal shafts STEEL
- c) Type of transversal half-shafts 2
- d) Material of transversal half-shafts STEEL



Make **BMW**Model **E36 M3 3.0i**

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**7. SUSPENSION****701. General**

	Front	Rear
a) Type of suspension	<b><u>MACPHERSON STRUT</u></b>	<b><u>MULTI LINK</u></b>
702. Helical springs	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
a) Material	<b><u>STEEL</u></b>	<b><u>STEEL</u></b>

**705. Other type of suspension**

See description on additional form

**706. Stabiliser**

	Front	Rear
b) Effective diameter	<b><u>26</u></b> mm	<b><u>21.5</u></b> mm
c) Material	<b><u>STEEL</u></b>	<b><u>STEEL</u></b>

**707. Suspension Dampers**

	Front	Rear
a) Number per wheel	<b><u>1</u></b>	<b><u>1</u></b>
b) Type	<b><u>MACPHERSON STRUT</u></b>	<b><u>SHOCK</u></b>
c) Principle of operation	<b><u>HYDRAULIC</u></b>	<b><u>HYDRAULIC</u></b>

**8. WHEELS****801. Wheels**

	Front	Rear
a) Diameter	<b><u>17"</u></b>	<b><u>17"</u></b>
b) Width	<b><u>7.5"</u></b>	<b><u>8.5"</u></b>
c) Offset	<b><u>+41</u></b> mm	<b><u>+41</u></b> mm

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**Make** BMW

**Model** E36 M3 3.0i

**803. Brakes**

a) Braking system

**4 WHEEL DISC**

b) Number of master cylinders

**1**

c) Servo-brakes

yes  no

c1) Make and type

**ATE VACUUM BOOSTED**

	Front	Rear
e) Number of cylinders per wheel	<b><u>1</u></b>	<b><u>1</u></b>
g) <b>Disc brakes</b>		
g1) Number of pads per wheel	<b><u>2</u></b>	<b><u>2</u></b>
g2) Number of calipers per wheel	<b><u>1</u></b>	<b><u>1</u></b>
g3) Caliper material	<b><u>STEEL</u></b>	<b><u>STEEL</u></b>
g4) Thickness of new disc	<b><u>28 ± 1 mm</u></b>	<b><u>20 ± 1 mm</u></b>
g5) External diameter of the disc	<b><u>315 ± 1.5 mm</u></b>	<b><u>313 ± 1.5 mm</u></b>
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 **MECHANICAL**

h2) Location of lever **TRANSMISSION TUNNEL**

On which wheels

Effet sur roues

h3)  Front  Rear

**804. Steering**

a) Type

Front		Rear	
<b><u>RACK AND PINION</u></b>			
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input type="checkbox"/> no
<b><u>HYDRAULIC</u></b>			

b) Servo-assistance

Type of Assistance

**9. BODYWORK**

**901. Interior**

a) Ventilation

yes  no

yes  no

c) Air Conditioning

b) Heating

yes  no

f) Optional sun roof

yes  no

f1) Type **SLIDING PANEL**

f2) Control system

**ELECTRIC**

g) Opening system for side windows

Front	Rear
<b><u>ELECTRIC</u></b>	<b><u>MANUAL OR ELECTRIC</u></b>

X) Dashboard

Y) Sunroof



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**Make** **BMW**

**Model** **E36 M3 3.0i**

[Empty box for registration details]

[Empty box for registration details]

**902. Exterior**

a) Number of doors **2**

b) Tailgate  yes  no

c) Door material

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

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 **N/A**

k) Side window material

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

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**

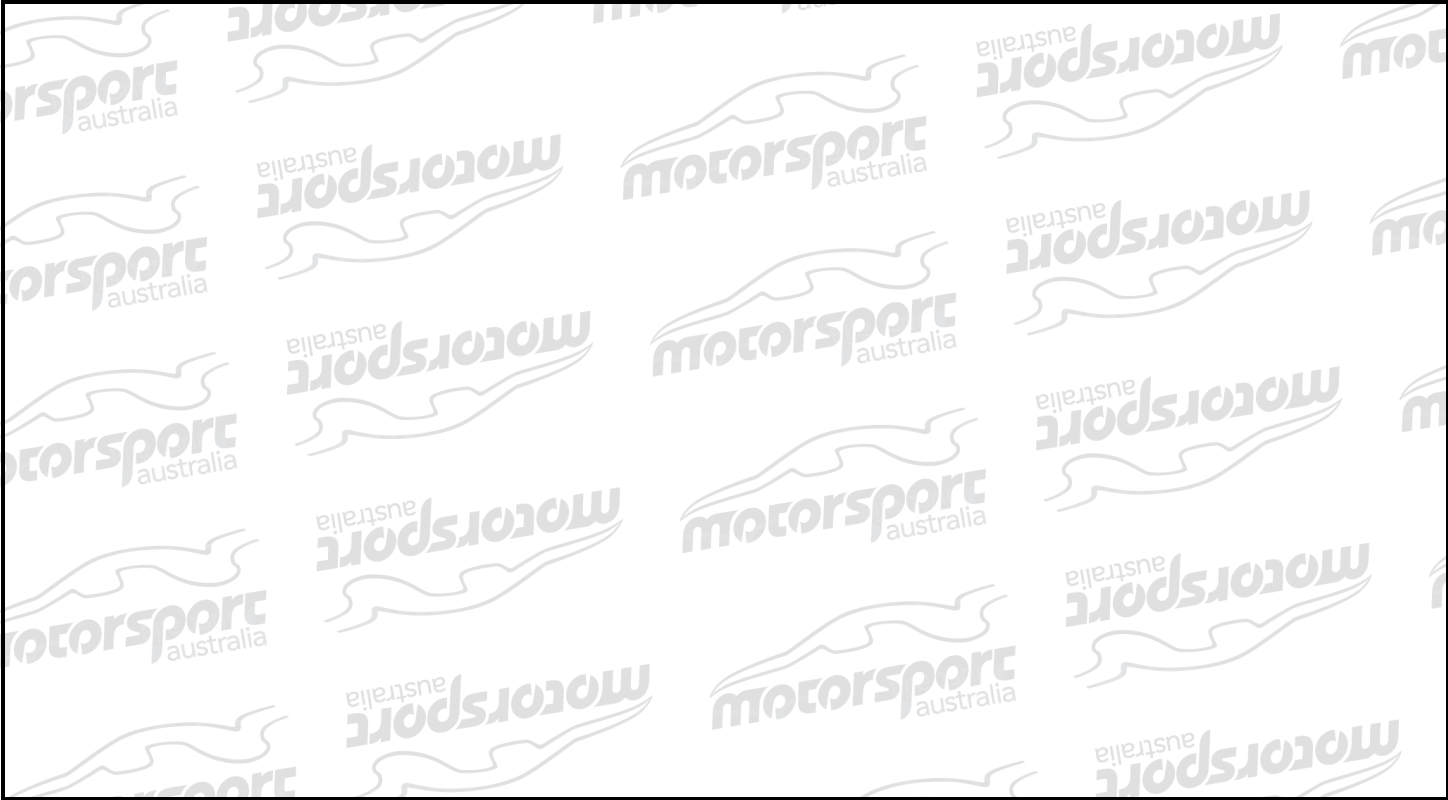
Number	Part	Material



Make BMW

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Make BMW

Model E36 M3 3.0i

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COMPLEMENTARY INFORMATION

