

**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 3.2L**
- 103. Engine capacity **3201** cm<sup>3</sup> Corrected engine capacity **3201 x 1.0 = 3201** 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 **4**

**2. DIMENSIONS, WEIGHT**

Minimum Racing Weight **1448** kg\* \*see note in complementary information

202. Overall length **4433** mm ± 1 %

203. Maximum overall width **1710** mm ± 1 % Where measured **SIDE MIRRORS**

204. Width of bodywork

a) At front axle **1760** mm ± 1 %

b) At rear axle **1787** mm ± 1 %

206. Wheelbase **2710** mm ± 1%

207. Maximum track

a) Front **1422** mm

b) Rear **1444** mm

**Make** **BMW****Model** **E36 M3 3.2i****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 \_\_\_\_\_

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

305. Number and layout of cylinders **IL 6**312. Cylinder block material **CAST IRON**310. Maximum compression ratio **11.3 : 1**

313. Sleeves

a)

 yes no

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

c)

 wet dry314. Bore **86.4** +/- 0.1 mm316. Stroke **91** +/- 0.1 mm321. 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 Cylinderhead325. 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**

328. Exhaust



**Make** **BMW****Model** **E36 M3 3.2i****3-19-015**

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

**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 **62** 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**

**603. Gearbox**

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

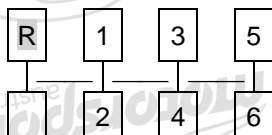


**Make** BMW**Model** E36 M3 3.2i

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	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<u>4.23</u>	_____	<u>Y</u>
2	_____	<u>2.51</u>	_____	<u>Y</u>
3	_____	<u>1.67</u>	_____	<u>Y</u>
4	_____	<u>1.23</u>	_____	<u>Y</u>
5	_____	<u>1.0</u>	_____	<u>Y</u>
6	_____	<u>0.830</u>	_____	<u>Y</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

yes

no

yes

no

g) Cooler Type \_\_\_\_\_

	Front	Rear
a) Type of final drive	<u>N/A</u>	<u>LSD</u>
b) Ratio	_____	<u>3.23</u>
f) Oil Cooler	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> yes
g) Cooler Type	_____	<u>FINS</u>

**606. Shafts**

a) Type of longitudinal shafts

1

b) Material of longitudinal shafts

ALLOY

c) Type of transversal half-shafts

2

d) Material of transversal half-shafts

STEEL**7. SUSPENSION**

**Make** BMW**Model** E36 M3 3.2i

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**701. General**

Front		Rear	
<b>MACPHERSON STRUT</b>		<b>MULTI LINK</b>	
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
<b>STEEL</b>		<b>STEEL</b>	

**702. Helical springs**

a) Material

**705. Other type of suspension**

See description on additional form

**706. Stabiliser**

Front	Rear
<b>23</b> mm	<b>20</b> mm
<b>STEEL</b>	<b>STEEL</b>

b) Effective diameter

c) Material

**707. Suspension Dampers**

Front	Rear
<b>1</b>	<b>1</b>
<b>MACPHERSON STRUT</b>	<b>SHOCK</b>
<b>HYDRAULIC</b>	<b>HYDRAULIC</b>

a) Number per wheel

b) Type

c) Principle of operation

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

Front	Rear
<b>17"</b>	<b>17"</b>
<b>7.5"</b>	<b>8.5"</b>
<b>+41</b> mm	<b>+41</b> mm

a) Diameter

b) Width

c) Offset

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**Make** BMW

**Model** E36 M3 3.2i

**803. Brakes**

a) Braking system 4 WHEEL DISC

b) Number of master cylinders 1

yes  no

c1) Make and type ATE VACUUM BOOSTED

	Front	Rear
e) Number of cylinders per wheel	<u>1</u>	<u>1</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>STEEL</u>	<u>STEEL</u>
g4) Thickness of new disc	<u>28 ± 1 mm</u>	<u>20 ± 1 mm</u>
g5) External diameter of the disc	<u>315 ± 1.5 mm</u>	<u>312 ± 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 MECHANICAL

h2) Location of lever TRANSMISSION TUNNEL

h3)  Front  Rear

On which wheels

Effet sur roues

**804. Steering**

a) Type

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

b) Servo-assistance

Type of Assistance

**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 SLIDING PANEL

f2) Control system ELECTRIC

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

g) Opening system for side windows

X) Dashboard

Y) Sunroof

\_\_\_\_\_

\_\_\_\_\_



**3-19-015**

**Make** **BMW**

**Model** **E36 M3 3.2i**

**902. Exterior**

a) Number of doors **2**

b) Tailgate

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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<b>Front</b>	<b>Rear</b>
<b><u>STEEL</u></b>	<b><u>N/A</u></b>

c) Door material

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**

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

k) Side window material

l) Material of bumper

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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n) Exterior Rear wiper

**XIII) NON METALLIC PARTS OF THE BODY**

Number	Part	Material



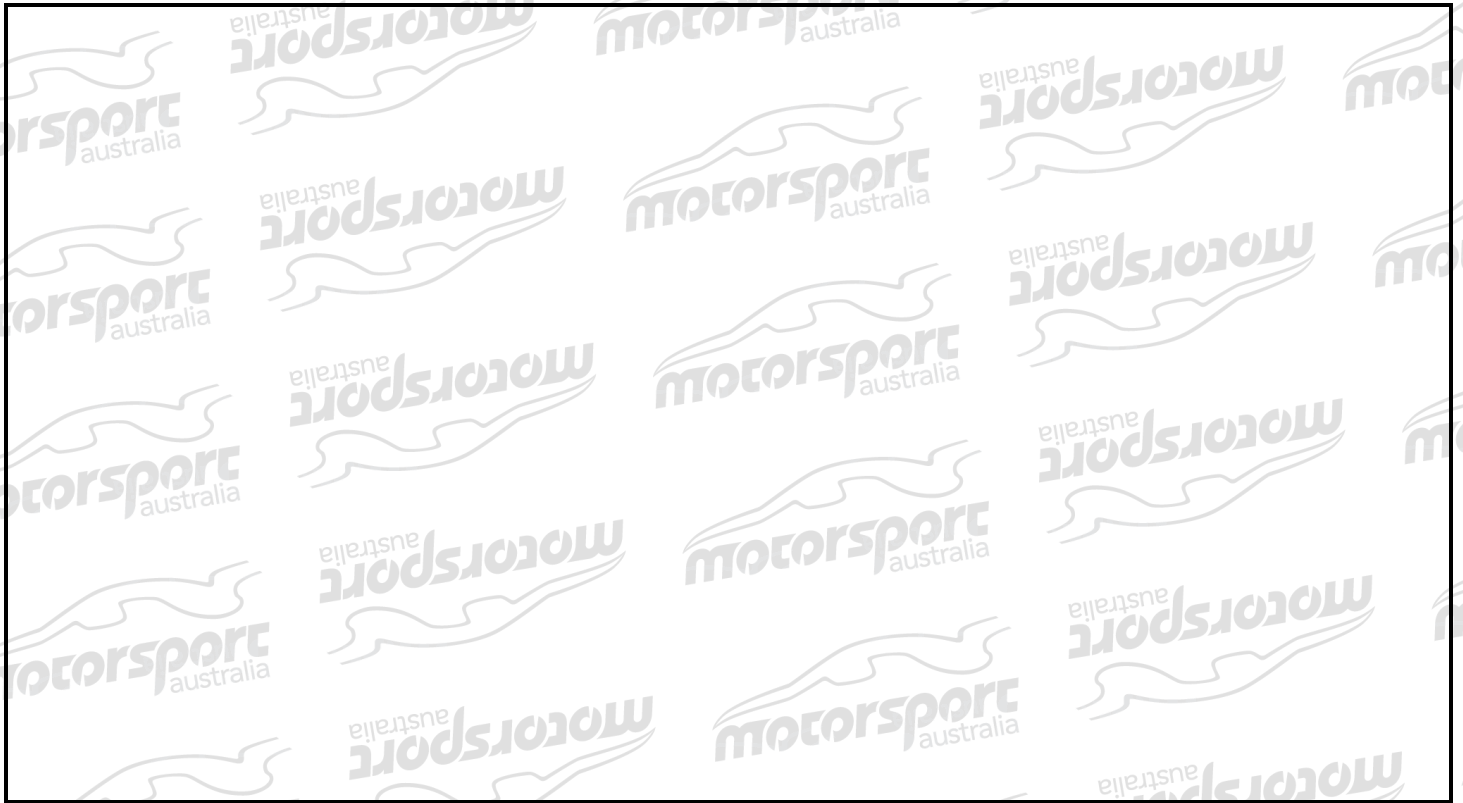


Make **BMW**

Model **E36 M3 3.2i**

Homologation N°

**3-19-015**





Make **BMW**

Model **E36 M3 3.2i**

**3-19-015**

**COMPLEMENTARY INFORMATION**

**\*1996 models onwards can use the Aluminum doors, and reduce their minimum racing weight by 14kg.**

