

Group 3E Recognition Document

A) Vehicle seen from 3/4 front

B) Vehicle seen from 3/4 rear



1. GENERAL

101. Manufacturer

BAYERISCHE MOTOREN WERKE AG (BMW)

102. Commercial name(s) - Model and type

3 SERIES E92 M3 COUPE DSG

103. Engine capacity

3999 cm³ Corrected engine capacity **3999** cm³

104. Type of car construction

a) Type

| | |
|---|---|
| <input type="checkbox"/> separate chassis | <input checked="" type="checkbox"/> X monocoque |
|---|---|

b) Material of chassis / bodyshell

STEEL

106. Number of seats

4

2. DIMENSIONS, WEIGHT

Minimum Racing Weight

1520kg

202. Overall length

4615 mm ± 1 %

203. Maximum overall width

1804 mm ± 1 % Where measured **AT FRONT DOOR**

204. Width of bodywork

a) At front axle 1800mm ± 1 %

b) At rear axle 1810mm ± 1 %

206. Wheelbase **2761** mm ± 1%

207. Maximum track

a) Front **1538** mm

b) Rear **1539** 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



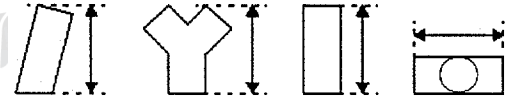
304. Supercharging

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

Maximum manifold pressure (additional) **NA**

Type and number of compressors **NA**

305. Number and layout of cylinders **8**



X

312. Cylinder block material **ALUMINIUM ALLOY**

310. Compression ratio **12:1**

313. Sleeves a)

| | | |
|-----|--------------------------|----|
| yes | <input type="checkbox"/> | no |
|-----|--------------------------|----|

 b) Material steel

 c)

| | | |
|-------------------------------------|-----|-----|
| <input checked="" type="checkbox"/> | wet | dry |
|-------------------------------------|-----|-----|

314. Bore **92**+0/- 0.1 mm

316. Stroke **75.2** +0/- 0.1 mm

321. Cylinderhead a) Number **2** b) Material **ALUMINIUM ALLOY**

324. Fuel feed by injection : a) Make **BMW** b) Model

f) Position of injectors
f1)

| | | | |
|--------------------------|----------|-------------------------------------|--------------|
| <input type="checkbox"/> | Manifold | <input checked="" type="checkbox"/> | Cylinderhead |
|--------------------------|----------|-------------------------------------|--------------|

325. Camshaft a) Number **4** b) Location **DOHC**
c) Drive system **GEAR AND CHAIN** f) Type of valve operation **ROCKER ARM**

327. Intake
a) Material of manifold **PLASTIC**
b) Number of manifold elements **2** c) Number of valves per cylinder **4**

328. Exhaust



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- a) Material of manifold **STAINLEES STEEL**
- b) Number of manifold elements **2**
- d) Number of valves per cylinder **4**
- p) External Diameter of exhaust pipe between manifold and first silencer **60** mm ± 5%

330. Ignition system

- a) Type **ELECTRONIC**
- b) Number of plugs per cylinder **1**
- c) Number of distributors **XXX**
- d) Number of coils **8**

331 Cooling system Capacity **10.7** l

- 332. Cooling fan**
- a) Number **1**
- b) Diameter of the fan **500** mm
- c) Material of the fan **PLASTIC**
- d) Number of blades **9**
- e) Type of drive **ELECTRIC MOTOR**
- f) Automatic cut in

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

333. Lubrication system a) Type **WET SUMP**

- c) Total capacity **8.8** litre
- e) Location of the cooler(s) **FRONT**
- f) Type of the cooler(s) **AIR**

4. FUEL CIRCUIT

401. Fuel tank b) Location **UNDERNEATH REAR FLOOR**

- d) Total capacity **63** L

402. Fuel pump(s) a)

| | |
|--|--|
| <input checked="" type="checkbox"/> Elelectrical | <input checked="" type="checkbox"/> Mechanical |
|--|--|

 b) Number **2**

- d) Location **IN TANK/ENGINE**

5. ELECTRICAL EQUIPMENT

502. Alternator a) Number **1** b) Type **ALTERNATOR**

- c) Drive system **BELT**
- d) Nominal Power _____ Amp

503. Retractable headlights a)

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

 b) Control system **N/A**

6. POWER TRAIN

601. Driven wheels front

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

 rear

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

602. Clutch a) Type **DCT DUAL MASS**

- b) Control system **HYDRAULIC**



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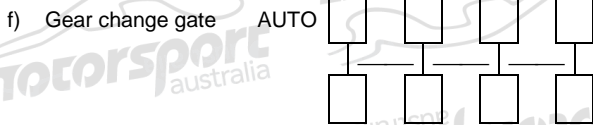
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603. Gearbox

a) Location **BEHIND ENGINE** b) Make **DKG 436 SERIES**
c) Type and location of control **DCT AUTOMATIC**

e) Ratios

| | Number of teeth | Ratio | Constant Mesh | Synchro |
|---|-----------------|-------------------------|---------------|---------|
| 1 | _____ | 4.78 (15.08) | _____ | _____ |
| 2 | _____ | 2.933 (9.25) | _____ | _____ |
| 3 | _____ | 2.153 (6.79) | _____ | _____ |
| 4 | _____ | 1.678 (5.29) | _____ | _____ |
| 5 | _____ | 1.39 (4.38) | _____ | _____ |
| 6 | _____ | 1.203 (3.79) | _____ | _____ |
| 7 | _____ | 1 (3.15) | _____ | _____ |
| R | _____ | 4.454 | _____ | _____ |



g) Type of lubrication **Splash**

604. Transfer box / Centre differential

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

605. Final drive

a) Type of final drive

b) Ratio

f) Oil cooler

g) Cooler Type

| | Front | Rear |
|------------------------|---|---|
| a) Type of final drive | XXX | HYPOLID |
| b) Ratio | XXX | 3.154 |
| f) Oil cooler | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no |
| g) Cooler Type | N/A | N/A |

606. Shafts

a) Type of longitudinal shafts **PROPELLER WITH UNIVERSAL JOINTS AND RUBBER COUPLING**
b) Material of longitudinal shafts **STEEL**
c) Type of transversal half-shafts **SHAFT WITH CV JOINTS**
d) Material of transversal half-shafts **STEEL**



7. SUSPENSION

701. General

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

705. Other type of suspension

See description on additional form

706. Stabiliser

| | Front | Rear |
|-----------------------|---------------------|--------------|
| b) Effective diameter | 27MM ±0.2 mm | 23mm ±0.2mm |
| c) Material | STEEL | STEEL |

707. Suspension Dampers

| | Front | Rear |
|---------------------------|-------------------|-------------------|
| a) Number per wheel | 1 | 1 |
| b) Type | TELESCOPIC | TELESCOPIC |
| c) Principle of operation | HYDRAULIC | HYDRAULIC |

8. WHEELS

801. Wheels

| | Front | Rear |
|-------------|-------------|-------------|
| a) Diameter | 18" | 18" |
| b) Width | 8.5" | 9.5" |
| c) Offset | 29 mm | 23 mm |

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803. Brakes

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

DUAL CIRCUIT HYDRAULIC TANDEM

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

c1) Make and type _____

| | Front | Rear |
|-----------------------------------|---|---|
| e) Number of cylinders per wheel | _____ | _____ |
| f) Drum brakes | | |
| f1) Internal diameter | <u>XXX</u> ± 1.5 mm | <u>XXX</u> ± 1.5 mm |
| f2) Number of linings per wheel | <u>XXX</u> | <u>XXX</u> |
| g) Disc brakes | | |
| 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 | STEEL | STEEL |
| g4) Thickness of new disc | <u>30</u> ± 1 mm | <u>24</u> ± 1 mm |
| g5) External diameter of the disc | <u>360</u> ± 1.5 mm | <u>350</u> ± 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
- h2) Location of lever

CABLE

CENTRAL TUNNEL

h3) On which wheels

| | |
|--------------------------------|--|
| <input type="checkbox"/> Front | <input checked="" type="checkbox"/> Rear |
|--------------------------------|--|

804. Steering

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

| Front | | Rear | |
|---|-----------------------------|------------------------------|--|
| <u>RACK AND PINNION</u> | | <u>XXXX</u> | |
| <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> yes | <input checked="" type="checkbox"/> no |
| <u>ELECTRIC / HYDRAULIC</u> | | <u>XXXX</u> | |

9. BODYWORK

901. Interior

- a) Ventilation
- c) Air Conditioning

| | |
|---|-----------------------------|
| <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 |
|---|-----------------------------|

f) Optional sun roof

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

f1) Type

NA

f2) Control system

NA

g) Opening system for side windows

| Front | Rear |
|--------------------------|--------------------|
| <u>ELECTRICAL</u> | <u>XXXX</u> |



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X) Dashboard

Y) Sunroof



902. Exterior

a) Number of doors **2**

b) Tailgate

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

| Front | Rear |
|-------|-------------|
| Steel | XXXX |

c) Door material

d) Front bonnet material

Aluminium

f) Bodywork material

STEEL

h) Rear window material

GLASS

e) Rear bootlid / tailgate material

STEEL

i) Rear quarter window material

GLASS

k) Side window material

l) Material of bumper

| Front | Rear |
|----------------------|----------------------|
| GLASS | GLASS |
| POLYPROPYLENE | POLYPROPYLENE |

n) Exterior Rear wiper

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

XIII) NON METALLIC PARTS OF THE BODY

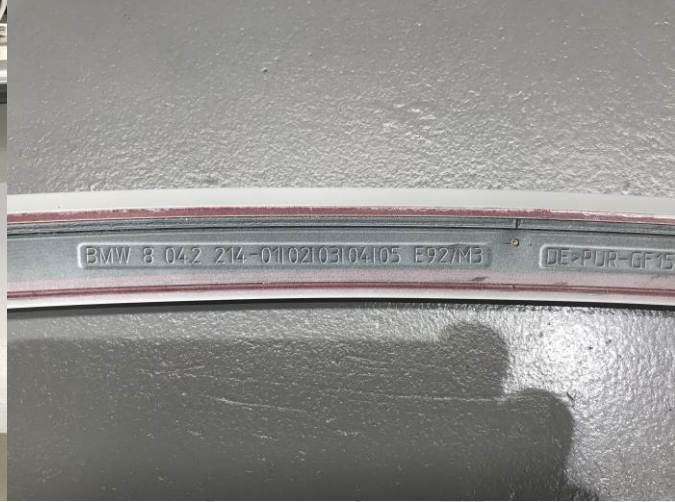
| Number | Part | Material |
|--------|--------------|----------|
| 1 | FRONT BUMPER | Plastic |
| 2 | HEAD LAMP | Plastic |
| 3 | SIDE SILL | Plastic |
| 4 | REAR BUMPER | Plastic |
| 5 | REAR LAMPS | Plastic |
| | | |
| | | |
| | | |
| | | |

Make **BMW**
australia

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COMPLEMENTARY INFORMATION

