

Group 3E RECOGNITION DOCUMENT

A) Vehicle seen from 3/4 front



B) Vehicle seen from 3/4 rear



1. GENERAL

101. Manufacturer

BMW AG

102. Commercial name(s) - Model and type

MINI (R56) JOHN COOPER WORKS GP

103. Engine capacity

1598.2 cm³ Corrected engine capacity **1598.2 x 1.7 = 2716.9** cm³

104. Type of car construction

a) Type

<input type="checkbox"/> separate chassis	<input checked="" type="checkbox"/> monocoque
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b) Material of chassis / bodyshell

STEEL

106. Number of seats

4

2. DIMENSIONS, WEIGHT

Minimum Racing Weight

1163 kg

202. Overall length

3714 mm ± 1 %

203. Maximum overall width

1683 mm ± 1 % Where measured **AT FRONT WHEELS**

204. Width of bodywork

a) At front axle **1683** mm ± 1 %

b) At rear axle **1683** mm ± 1 %

206. Wheelbase **2467** mm ± 1%

207. Maximum track

a) Front **1540** mm

b) Rear **1490** mm

3. ENGINE

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



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301. Location and position of the engine **FRONT TRANSVERSAL**

302. Number of mounts **3**

Engine in its compartment



304. Supercharging

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

1.5

Type and number of compressors

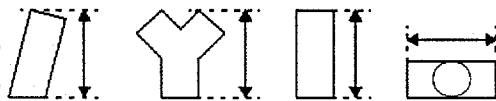
TWINSROLL TURBOCHARGER / 1

305. Number and layout of cylinders

4 IN LINE

312. Cylinder block material

ALLOY



310. Maximum compression ratio

10.5 : 1

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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313. Sleeves

a) <input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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b) Material

GRAY CAST IRON

<input type="checkbox"/> wet	<input checked="" type="checkbox"/> dry
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314. Bore

77 +/- 0.1 mm

316. Stroke

85.8 +/- 0.1 mm

321. Cylinderhead

a) Number **1**

b) Material

ALUMINIUM ALLOY

324. Fuel feed by injection :

a) Make **BOSCH**

b) Model **MED17**

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

ROLLER ROCKER ARM

327. Intake

a) Material of manifold

PLASTIC

b) Number of manifold elements

1

c) Number of valves per cylinder

2

328. Exhaust



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- a) Material of manifold **STEEL**
- b) Number of manifold elements **1**
- d) Number of valves per cylinder **2**
- p) External Diameter of exhaust pipe between manifold and first silencer _____ 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 **4**

331. Cooling system Capacity **5.5 L**

- 332. Cooling fan**
- a) Number **1**
- b) Diameter of the fan **350 mm**
- c) Material of the fan **PLASTIC**
- d) Number of blades **7**

- e) Type of drive **ELECTRIC**
- 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 **1**
- c) Total capacity **4.2 L**

- e) Location of the cooler(s) _____
- f) Type of the cooler(s) _____

4. FUEL CIRCUIT

401. Fuel tank

- b) Location **UNDER THE CAR**
- d) Total capacity **55 L**

402. Fuel pump(s)

- a)

<input checked="" type="checkbox"/> Eleectrical	<input type="checkbox"/> Mechanical
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- b) Number **1**
- d) Location **IN TANK**

Fuel Pressure _____

5. ELECTRICAL EQUIPMENT

502. Alternator

- a) Number **1**
- b) Type _____
- c) Drive system **BELT**
- d) Nominal power _____ 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 checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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- rear

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

- a) Type **DRY SINGLE PLATE**
- b) Control system **HYDRAULIC**

603. Gearbox

- a) Location **ENGINE COMPARTMENT**
- b) Make **GETRAG**



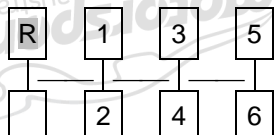
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c) Type and location of control **TUNNEL**

e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____
6	_____	_____	_____	_____
R	_____	_____	_____	_____
Constant	_____	_____	_____	_____

f) Gear change gate



604. Transfer box / Centre differential

a) Ratios

N/A

c) Control system of transfer box

N/A

d) Type of central differential

N/A

605. Final drive

a) Type of final drive

SPUR GEAR

N/A

b) Ratio

3.647

N/A

f) Oil Cooler

yes

no

yes

no

g) Cooler Type

N/A

606. Shafts

a) Type of longitudinal shafts

N/A

b) Material of longitudinal shafts

N/A

c) Type of transversal half-shafts

ASYM. CONTANT VELOCITY JOINTS

d) Material of transversal half-shafts

STEEL

7. SUSPENSION



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701. General

	Front	Rear
a) Type of suspension	MCPHERSON STRUT	MULTILINK
702. Helical springs	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
a) Material	_____	_____
703. Leaf springs	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	_____	_____
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	22.83 mm	17.67 mm
c) Material	STEEL	STEEL

707. Suspension Dampers

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

8. WHEELS

801. Wheels

	Front	Rear
a) Diameter	17"	17"
b) Width	7"	7"
c) Offset	_____ mm	_____ mm

803. Brakes

a) Braking system

HYDRAULIC - ABS

b) Number of master cylinders

1

c) Servo-brakes

yes no

c1) Make and type

TRW

e) Number of cylinders per wheel

	Front	Rear
	4	1



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<p>f) Drum brakes</p> <p>f1) Internal diameter</p> <p>f2) Number of linings per wheel</p> <p>g) Disc brakes</p> <p>g1) Number of pads per wheel</p> <p>g2) Number of calipers per wheel</p> <p>g3) Caliper material</p> <p>g4) Thickness of new disc</p> <p>g5) External diameter of the disc</p> <p>g9) Ventilated discs</p>	<p><u>N/A</u></p> <p><u>N/A</u></p> <p><u>2</u></p> <p><u>1</u></p> <p>GRAY CAST IRON</p> <p><u>26 ± 1 mm</u></p> <p><u>330 ± 1.5 mm</u></p> <p><input checked="" type="checkbox"/> yes <input type="checkbox"/> no</p>	<p><u>N/A</u></p> <p><u>N/A</u></p> <p><u>2</u></p> <p><u>1</u></p> <p>GRAY CAST IRON</p> <p><u>10 ± 1 mm</u></p> <p><u>280 ± 1.5 mm</u></p> <p><input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
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h) Parking brake: h1) Control system **CABLE**

h2) Location of lever **BETWEEN FRONT SEATS**

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

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

Front		Rear	
RACK & PINION		N/A	
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
JTEK/ELECTRIC		N/A	

9. BODYWORK

901. Interior

- a) Ventilation
- c) Air Conditioning

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

- b) Heating

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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- f) Optional sun roof

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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f1) Type **SLIDE & RISE**

f2) Control system **SELECTRIC**

- g) Opening system for side windows

Front	Rear
ELECTRIC	N/A

X) Dashboard

Y) Sunroof



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Make **BMW AG** Model **Mini (R56) John Cooper Works**



N/A

902. Exterior

a) Number of doors **2**

b) Tailgate

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

c) Door material

d) Front bonnet material

STEEL

e) Rear bootlid / tailgate material

STEEL

f) Bodywork material

STEEL

h) Rear window material

SAFETY GLASS

i) Rear quarter window material

SAFETY GLASS

k) Side window material

Front	Rear
<u>SAFETY GLASS</u>	<u>SAFETY GLASS</u>
<u>POLYPROPYLENE</u>	<u>POLYPROPYLENE</u>

l) Material of bumper

n) Exterior Rear wiper

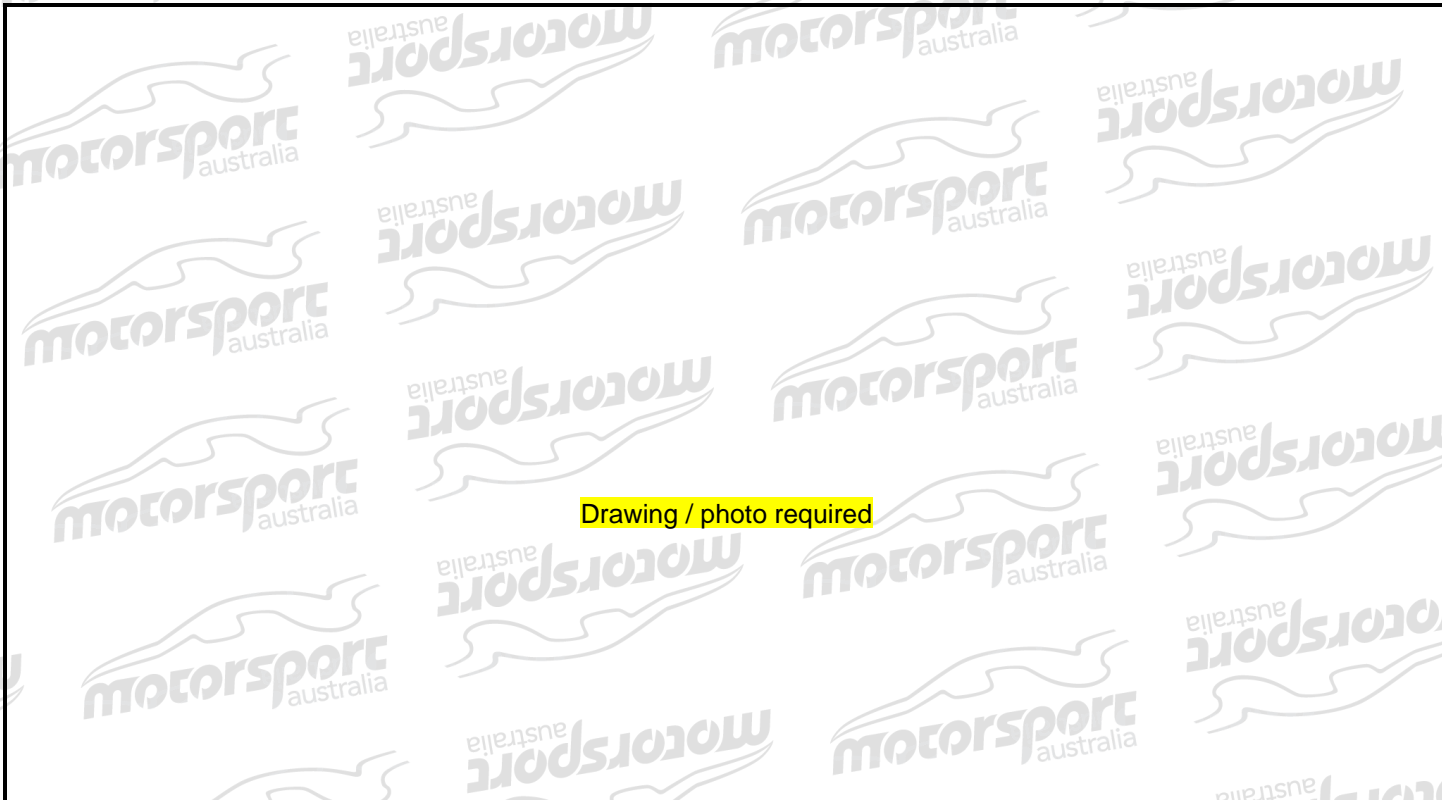
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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XIII) NON METALLIC PARTS OF THE BODY



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Number	Part	Material



COMPLEMENTARY INFORMATION

