

Group 3E Recognition Document

A) Vehicle seen from 3/4 front



B) Vehicle seen from 3/4 rear



1. GENERAL

101. Manufacturer

MERCEDES

102. Commercial name(s) - Model and type

C63 AMG

103. Engine capacity

6209 cm³ Corrected engine capacity _____ x _____ = _____ 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

5

2. DIMENSIONS, WEIGHT

Minimum Racing Weight

1612 kg

202. Overall length

4726 mm ± 1 %

203. Maximum overall width

1800 mm ± 1 % Where measured **FRONT GUARDS**

204. Width of bodywork

a) At front axle **1800** mm ± 1 %

b) At rear axle **1785** mm ± 1 %

206. Wheelbase **2760** mm ± 1 %

207. Maximum track

a) Front **1569** mm

b) Rear **1525** mm

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Make MERCEDES

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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 LONGITUDINAL

302. Number of mounts 2

Engine in its compartment



304. Supercharging yes no

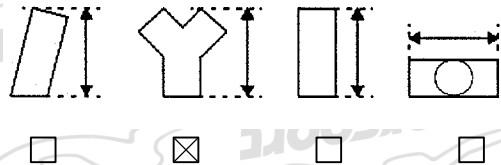
Maximum manifold pressure N/A

Type and number of compressors 0

305. Number and layout of cylinders V8

312. Cylinder block material ALLUMINIUM

310. Maximum compression ratio 11.3 : 1



313. Sleeves a) yes no b) Material STEEL c) wet dry

314. Bore 102.2 +/- 0.1 mm

316. Stroke 94.6 +/- 0.1 mm

321. Cylinderhead a) Number 2 b) Material ALLUMINIUM

324. Fuel feed by injection : a) Make BOSCH b) Model ME 9.7

f) Position of Injectors:

f1) Manifold Cylinderhead

325. Camshaft a) Number 4 b) Location OVERHEAD
c) Drive system CHAIN f) Type of valve operation HYDRAULIC LIFTER

327. Intake

a) Material of manifold ALLUMINIUM

b) Number of manifold elements 8

c) Number of valves per cylinder 2



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328. Exhaust

- a) Material of manifold **STEEL**
- b) Number of manifold elements **8**
- d) Number of valves per cylinder **2**
- p) External Diameter of exhaust pipe between manifold and first silencer **62 ID** 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 **8**

331. Cooling system

Capacity **11.7 L**

332. Cooling fan

- a) Number **1**
- b) Diameter of the fan **480** 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 **MECHANICAL**
- b) Number of oil pumps **1**
- c) Total capacity **8.5 L**
- e) Location of the cooler(s) **FRONT LOWER AND RH SIDE**
- f) Type of the cooler(s) **FIN TYPE**

4. FUEL CIRCUIT

401. Fuel tank

- b) Location **UNDER REAR SEAT**
- d) Total capacity **66 L**

402. Fuel pump(s)

- a)

<input checked="" type="checkbox"/> Elelectrical	<input type="checkbox"/> Mechanical
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- b) Number **2**
- d) Location **IN TANK**
- Fuel Pressure **5 BAR**

5. ELECTRICAL EQUIPMENT

502. Alternator

- a) Number **1**
- b) Type **GENERATOR**
- c) Drive system **PULLEY**
- d) Nominal power **180** Amp

503. Retractable headlights

- a)

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

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 **FLUID TORQUE CONVERTOR**
- b) Control system **AUTOMATED TRANSMISSION**



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603. Gearbox

a) Location **INLINE**

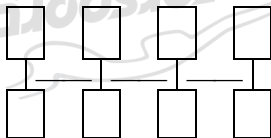
b) Make **MERCEDES-BENZ**

c) Type and location of control **PADDLESHIFT AND CENTRE GEAR LEVER**

e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<u>4.377</u>	_____	_____
2	_____	<u>2.859</u>	_____	_____
3	_____	<u>1.921</u>	_____	_____
4	_____	<u>1.368</u>	_____	_____
5	_____	<u>1.00</u>	_____	_____
6	_____	<u>0.82</u>	_____	_____
7	_____	<u>0.728</u>	_____	_____
R	_____	<u>3.416</u>	_____	_____
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

N/A

CROWN AND PINION

b) Ratio

2.82

f) Oil Cooler

yes

no

yes

no

g) Cooler Type

FIN

606. Shafts

a) Type of longitudinal shafts

2 PIECE WITH UNIVERSAL JOINTS

b) Material of longitudinal shafts

STEEL

c) Type of transversal half-shafts

TRANSVERSAL WITH CV JOINTS

d) Material of transversal half-shafts

STEEL



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7. SUSPENSION

701. General

	Front	Rear
a) Type of suspension	MACPHERSON	MULTI-LINK
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
a) Material	STEEL	STEEL

702. Helical springs

a) Material

706. Stabiliser

	Front	Rear
b) Effective diameter	27.5 mm	20 mm
c) Material	STEEL	STEEL

b) Effective diameter

c) Material

707. Suspension Dampers

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

a) Number per wheel

b) Type

c) Principle of operation

8. WHEELS

801. Wheels

	Front	Rear
a) Diameter	18"	18"
b) Width	8"	9"
c) Offset	54 mm	54 mm

a) Diameter

b) Width

c) Offset

803. Brakes

HYDRAULIC WITH ABS

a) Braking system

b) Number of master cylinders

1

c) Servo-brakes

yes no

c1) Make and type

ATE

e) Number of cylinders per wheel

g) Disc brakes

g1) Number of pads per wheel

g2) Number of calipers per wheel

g3) Caliper material

g4) Thickness of new disc

g5) External diameter of the disc

	Front	Rear
e) Number of cylinders per wheel	6	4
g1) Number of pads per wheel	2	2
g2) Number of calipers per wheel	1	1
g3) Caliper material	ALLUMINIUM	ALLUMINIUM
g4) Thickness of new disc	36 ± 1 mm	26 ± 1 mm
g5) External diameter of the disc	360 ± 1.5 mm	330 ± 1.5 mm

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Model **C63 AMG**

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g9) Ventilated discs

yes

no

yes

no

h) Parking brake: h1) Control system **CABLE**

h2) Location of lever **FOOT PEDAL**

Front

Rear

804. Steering

a) Type

RACK AND PINION

Rear

N/A

b) Servo-assistance

yes

no

yes

no

Type of Assistance

HYDRAULIC

N/A

9. BODYWORK

901. Interior

a) Ventilation

yes

no

b) Heating

yes

no

c) Air Conditioning

yes

no

f) Optional sun roof

yes

no

f1) Type

SLIDING

f2)

Control system

ELECTRIC

g) Opening system for side windows

Front

ELECTRIC

Rear

ELECTRIC

X) Dashboard



Y) Sunroof



902. Exterior

a) Number of doors

4

b) Tailgate

yes

no

Front

Rear

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c) Door material

<u>STEEL</u>	<u>STEEL</u>
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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

GLASS

k) Side window material

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

l) Material of bumper

PLASTIC

PLASTIC

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
1	Front bumper	Plastic
1	Rear bumper	Plastic
2	Side skirts	Plastic
2	Mirrors	Plastic



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Drawing / photo required



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COMPLEMENTARY INFORMATION

