

**Group 3E RECOGNITION DOCUMENT**

A) Vehicle seen from 3/4 front

B) Vehicle seen from 3/4 rear



**1. GENERAL**

101. Manufacturer **MAZDA**
102. Commercial name(s) - Model and type **RX8 GT**
103. Engine capacity **1308** cm<sup>3</sup> Corrected engine capacity **1308 x 1.8 = 2354.4** cm<sup>3</sup>
104. Type of car construction
- |         |   |   |
|---------|---|---|
| a) Type | <input type="checkbox"/> separate chassis | <input checked="" type="checkbox"/> monocoque |
|---------|---|---|
- b) Material of chassis / bodyshell **STEEL**

106. Number of seats **4**

**2. DIMENSIONS, WEIGHT**

Minimum Racing Weight **1377** kg

202. Overall length **4470** mm ± 1 %

203. Maximum overall width **1770** mm ± 1 % Where measured **BODYWORK**

204. Width of bodywork

a) At front axle	_____ mm ± 1 %
b) At rear axle	_____ mm ± 1 %

206. Wheelbase **2700** mm ± 1 %

207. Maximum track

a) Front <b>1505</b> mm	b) Rear <b>1510</b> 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 LONGITUDINAL

**302. Number of mounts** 2

Engine in its compartment



**304. Supercharging**

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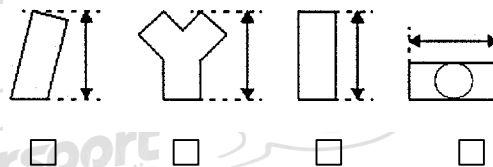
Maximum manifold pressure N/A

Type and number of compressors N/A

**305. Number and layout of cylinders** N/A

**312. Cylinder block material** N/A

**310. Maximum compression ratio** 10.0 : 1



**313. Sleeves**

a)  yes  no

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

c)  wet  dry

**314. Bore** N/A +/- 0.1 mm

**316. Stroke** N/A +/- 0.1 mm

**321. Cylinderhead**

a) Number N/A

b) Material N/A

**324. Fuel feed by injection :** a) Make MAZDA

b) Model MULTI-POINT

f) Position of Injectors:

f1)  Manifold  Cylinderhead

**325. Camshaft**

a) Number N/A

b) Location N/A

c) Drive system N/A

f) Type of valve operation N/A

**327. Intake**

a) Material of manifold PLASTIC / ALUMINIUM

b) Number of manifold elements 3

c) Number of valves per cylinder N/A



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**328. Exhaust**

- a) Material of manifold **INCONEL**
- b) Number of manifold elements **1**
- d) Number of valves per cylinder **N/A**
- p) External Diameter of exhaust pipe between manifold and first silencer **68** mm ± 5%

**330. Ignition system**

- a) Type **ELECTRONIC**
- b) Number of plugs per cylinder **2**
- c) Number of distributors **N/A**
- d) Number of coils **4**

**331. Cooling system**

Capacity **10** L

**332. Cooling fan**

- a) Number **2**
- b) Diameter of the fan **300** mm
- c) Material of the fan **PLASTIC**
- d) Number of blades **7 / 4**
- 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 **5** L
- e) Location of the cooler(s) **FRONT**
- f) Type of the cooler(s) **RADIATOR**

**4. FUEL CIRCUIT**

**401. Fuel tank**

- b) Location **MIDSHIP**
- d) Total capacity **65** L

**402. Fuel pump(s)**

- a) 

<input checked="" type="checkbox"/> Elelectrical	<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 **ALTERNATOR**
- c) Drive system **BELT**
- d) Nominal power **85** 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 **SINGLE DRY PLATE**
- b) Control system **HYDRAULIC**



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**603. Gearbox**

a) Location **MID SHIP**

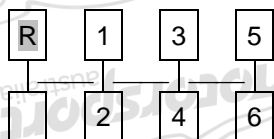
b) Make **MAZDA**

c) Type and location of control **FLOOR SHIFT**

e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<b>3.815</b>	_____	_____
2	_____	<b>2.260</b>	_____	_____
3	_____	<b>1.640</b>	_____	_____
4	_____	<b>1.259</b>	_____	_____
5	_____	<b>1.00</b>	_____	_____
6	_____	<b>0.787</b>	_____	_____
R	_____	<b>3.603</b>	_____	_____
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**

b) Ratio

**N/A**

f) Oil Cooler

yes

no

yes

no

g) Cooler Type

**N/A**

**N/A**

**606. Shafts**

a) Type of longitudinal shafts

\_\_\_\_\_

b) Material of longitudinal shafts

**CARBON**

c) Type of transversal half-shafts

\_\_\_\_\_

d) Material of transversal half-shafts

**STEEL**



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**7. SUSPENSION**

**701. General**

	Front	Rear
a) Type of suspension	<b><u>DOUBLE WISHBONE</u></b>	<b><u>MULTI-LINK</u></b>
<b>702. Helical springs</b>	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
a) Material	<b><u>STEEL</u></b>	<b><u>STEEL</u></b>
<b>703. Leaf springs</b>	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	<b><u>N/A</u></b>	<b><u>N/A</u></b>
<b>704. Torsion bars</b>	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	<b><u>N/A</u></b>	<b><u>N/A</u></b>

**705. Other type of suspension**

See description on additional form

**706. Stabiliser**

	Front	Rear
b) Effective diameter	<b><u>27.0</u></b> mm	<b><u>16</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>MONO TUBE</u></b>	<b><u>MONO TUBE</u></b>
c) Principle of operation	<b><u>TELESCOPIC</u></b>	<b><u>TELESCOPIC</u></b>

**8. WHEELS**

**801. Wheels**

	Front	Rear
a) Diameter	<b><u>19"</u></b>	<b><u>19"</u></b>
b) Width	<b><u>8"</u></b>	<b><u>8"</u></b>
c) Offset	<b><u>+47</u></b> mm	<b><u>+47</u></b> mm

**803. Brakes**



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

**TANDEM**

**1**

yes  no

c1) Make and type

**TOKICO VACUUM**

- e) Number of cylinders per wheel
- f) **Drum brakes**
  - f1) Internal diameter
  - f2) Number of linings 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
- g9) Ventilated discs

	Front	Rear
e)	_____	_____
f)	<b>N/A</b>	<b>N/A</b>
f1)	<b>N/A</b>	<b>N/A</b>
f2)	<b>2</b>	<b>2</b>
g)	<b>1</b>	<b>1</b>
g1)	<b>CAST IRON</b>	<b>CAST IRON</b>
g2)	<b>24 ± 1 mm</b>	<b>18 ± 1 mm</b>
g3)	<b>323 ± 1.5 mm</b>	<b>302 ± 1.5 mm</b>
g4)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
g5)		
g9)		

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

h2) Location of lever **DRIVER LEFT**

Front  Rear

**804. Steering**

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

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

**9. BODYWORK**

**901. Interior**

- a) Ventilation
- c) Air Conditioning

yes  no  
 yes  no

b) Heating

yes  no

f) Optional sun roof

yes  no

f1) Type **GLASS - SLIDE**

f2) Control system **ELECTRIC**

g) Opening system for side windows

Front	Rear
<b>ELECTRIC</b>	<b>HINGED</b>



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X) Dashboard



Y) Sunroof



**902. Exterior**

a) Number of doors **4**

b) Tailgate

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

c) Door material

d) Front bonnet material

**ALUMINIUM**

f) Bodywork material

**STEEL**

e) Rear bootlid / tailgate material

**STEEL**

i) Rear quarter window material

**GLASS**

h) Rear window material

**GLASS**

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>

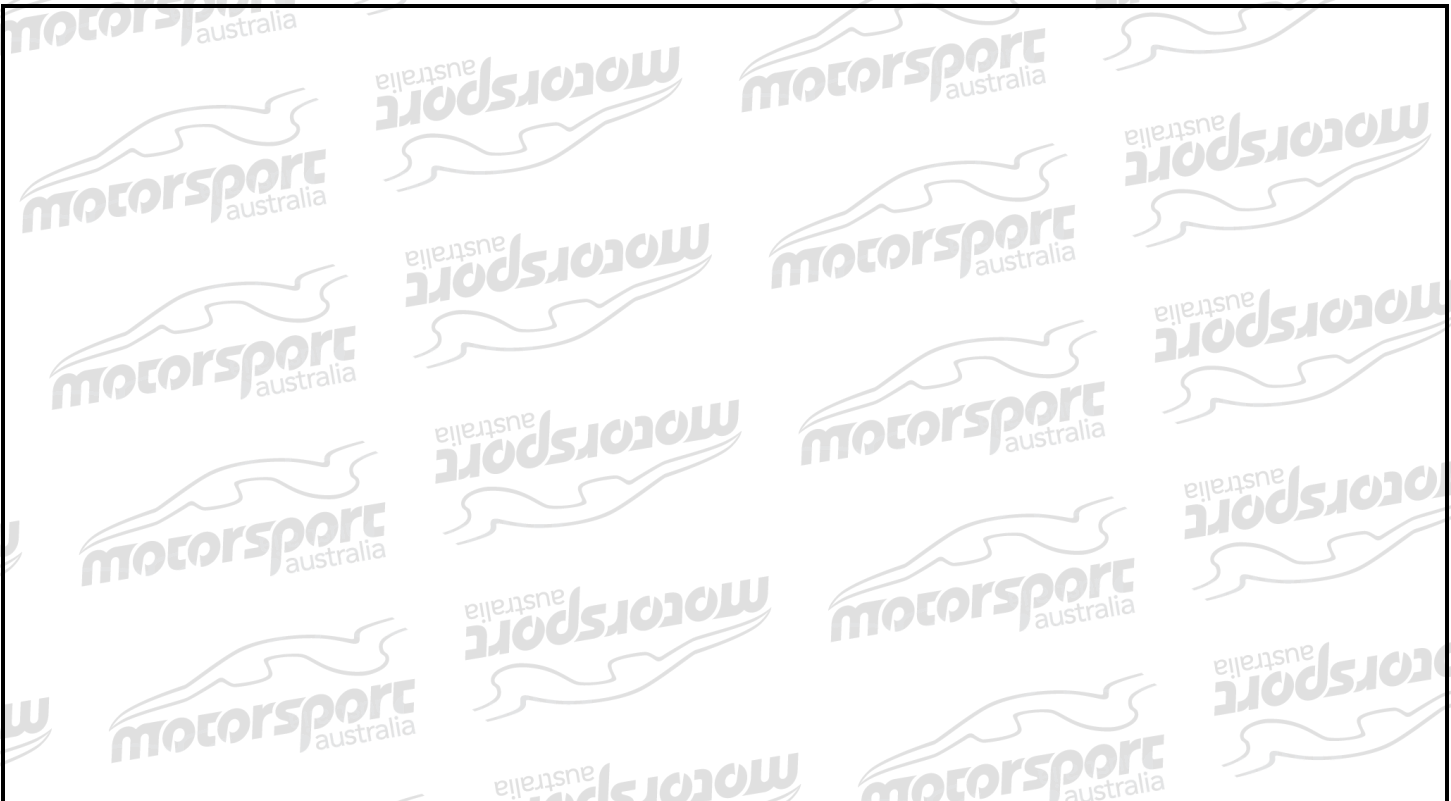
l) Material of bumper

n) Exterior Rear wiper

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

Number	Part	Material
	Front Bumper	Plastic
	Rear Bumper	Plastic
	Side Skirts	Plastic
	Rear Wing	Plastic
	Mirrors	Plastic
	Head lights	Plastic





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COMPLEMENTARY INFORMATION



Make **Mazda**Model **RX8 GT**

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**335. Rotary Engine Wankel type :**

- c) Number of rotors **2**
- e) Swept volume of one chamber **654** cm<sup>3</sup>
- f) Total swept volume **1308** cm<sup>3</sup> Corrected engine capacity **1308** x **1.8** = **2354.4** cm<sup>3</sup>
- g) Rotor housing
- g1) Material **Aluminium**
- g2) Length of the minor axis **180** mm
- g3) Length of the major axis **240** mm
- g4) Width **80** mm
- h) Side housing material **Cast Iron**
- i) Crankshaft
- i3) Eccentricity **35** mm
- l) Intake
- l1) Number of ports per rotor **3**
- l2) Type of ports  side  peripheral  combination
- l5) Manifold material **ALUMINIUM / PLASTIC**
- m) Exhaust
- m1) Number of ports per rotor **2**
- m2) Type of ports:  side  peripheral  combination
- m5) Manifold Material **INCONEL / STAINLESS STEEL**
- o) Fuel feed by injection See Article 324
- p) Ignition system
- p1) Type **DIRECT FIRE**
- p2) Number of plugs per rotor **2**
- p3) Number of distributors **N/A**
- q) Lubrication system See Article 333

