

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 SERIES 1

103. Engine capacity

1308 cm³ Corrected engine capacity **1308 x 1.8 = 2354.4** 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

1299 kg

202. Overall length

4435 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 **1500** mm

b)

Rear **1505** 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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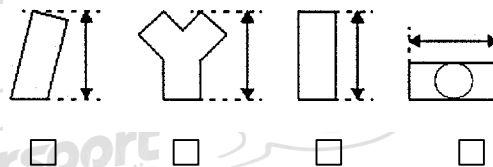
Maximum manifold pressure **N/A**

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**



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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	<u>DOUBLE WISHBONE</u>		<u>MULTI-LINK</u>	
	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
a) Material	<u>STEEL</u>		<u>STEEL</u>	
703. Leaf springs	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
a) Material	<u>N/A</u>		<u>N/A</u>	
704. Torsion bars	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
a) Material	<u>N/A</u>		<u>N/A</u>	

705. Other type of suspension

See description on additional form

706. Stabiliser

	Front	Rear
b) Effective diameter	<u>27.0</u> mm	<u>16</u> mm
c) Material	<u>STEEL</u>	<u>STEEL</u>

707. Suspension Dampers

	Front	Rear
a) Number per wheel	<u>1</u>	<u>1</u>
b) Type	<u>MONO TUBE</u>	<u>MONO TUBE</u>
c) Principle of operation	<u>TELESCOPIC</u>	<u>TELESCOPIC</u>

8. WHEELS

801. Wheels

	Front	Rear
a) Diameter	<u>18"</u>	<u>18"</u>
b) Width	<u>8"</u>	<u>8"</u>
c) Offset	<u>+50</u> mm	<u>+50</u> mm

803. Brakes

- a) Braking system **TANDEM**
- b) Number of master cylinders **1**



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c) Servo-brakes

yes no

c1) Make and type

TOKICO VACUUM

	Front	Rear
e) Number of cylinders per wheel	—	—
f) Drum brakes		
f1) Internal diameter	N/A	N/A
f2) Number of linings per wheel	N/A	N/A
g) Disc brakes		
g1) Number of pads per wheel	2	2
g2) Number of calipers per wheel	1	1
g3) Caliper material	CAST IRON	CAST IRON
g4) Thickness of new disc	24 ± 1 mm	18 ± 1 mm
g5) External diameter of the disc	323 ± 1.5 mm	302 ± 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

CABLE

h2) Location of lever

DRIVER LEFT

Front Rear

804. Steering

a) Type

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

b) Servo-assistance

Type of Assistance



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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 **GLASS - SLIDE** f2) Control system **ELECTRIC**

g) Opening system for side windows

Front	Rear
<u>ELECTRIC</u>	<u>HINGED</u>

X) Dashboard



Y) Sunroof



902. Exterior

a) Number of doors **4**

b) Tailgate yes no

c) Door material

Front	Rear
<u>STEEL</u>	<u>STEEL</u>

d) Front bonnet material **ALUMINIUM**

e) Rear bootlid / tailgate material **STEEL**

f) Bodywork material **STEEL**

h) Rear window material **GLASS**

i) Rear quarter window material **GLASS**

Front	Rear
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k) Side window material

GLASS

GLASS

l) Material of bumper

PLASTIC

PLASTIC

n) Exterior Rear wiper

yes

no

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

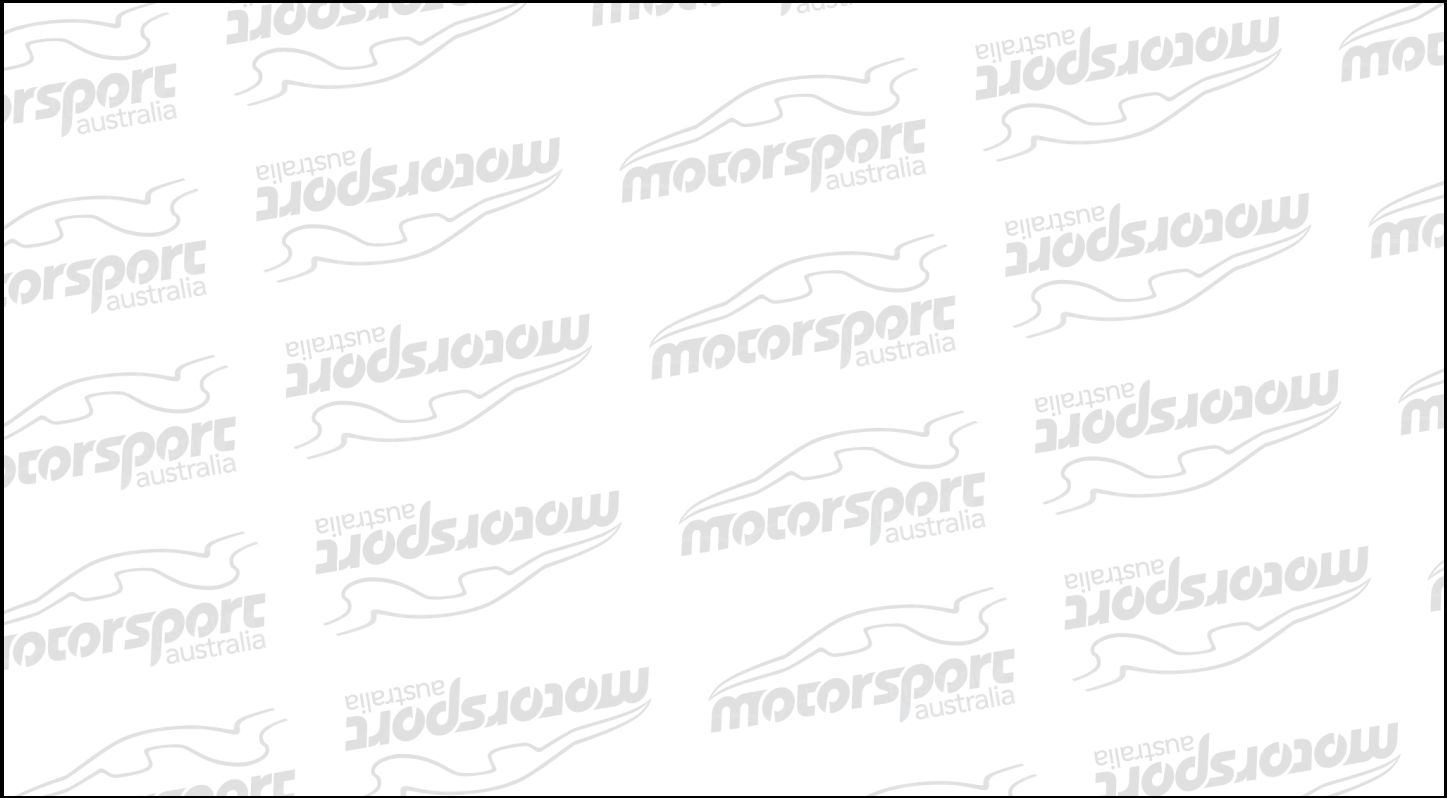
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COMPLEMENTARY INFORMATION



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

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335. Rotary Engine Wankel type :

- c) Number of rotors **2**
- e) Swept volume of one chamber **654** cm³
- f) Total swept volume **1308** cm³ Corrected engine capacity **1308** x **1.8** = **2354.4** cm³
- 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

