

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

RX-8 COUPE

103. Engine capacity

1308 cm³ Corrected engine capacity _____ x _____ = _____ cm³

104. Type of car construction

a) Type

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

b) Material of chassis / bodyshell

STEEL/ALLOY

106. Number of seats

4

2. DIMENSIONS, WEIGHT

Minimum Racing Weight

1402 kg

202. Overall length

4470 mm ± 1 %

203. Maximum overall width

1770 mm ± 1 % Where measured _____

204. Width of bodywork

a) At front axle **1770** mm ± 1 %

b) At rear axle **1770** mm ± 1 %

206. Wheelbase **2700** mm ± 1%

207. Maximum track

a) Front **1500** mm

b) Rear **1505** mm

Make **Mazda**

Model

RX-8 Coupe

SPC Recognition Document

3-13-012

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

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

Maximum manifold pressure _____

Type and number of compressors _____

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

312. Cylinder block material **STEEL**

310. Maximum compression ratio **10.00** : 1

313. Sleeves

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

c) <input type="checkbox"/> wet	<input type="checkbox"/> dry
---------------------------------	------------------------------

314. Bore _____ +0/- 0.1 mm

316. Stroke _____ +0/- 0.1 mm

321. Cylinderhead

a) Number _____	b) Material _____
-----------------	-------------------

324. Fuel feed by injection : a) Make _____

b) Model _____

f) Position of Injectors:

f1) <input checked="" type="checkbox"/> Manifold	<input checked="" type="checkbox"/> Cylinderhead
--	--

325. Camshaft

a) Number _____	b) Location _____
-----------------	-------------------

c) Drive system _____	f) Type of valve operation _____
-----------------------	----------------------------------

327. Intake

a) Material of manifold **ALLOY/PLASTIC**

b) Number of manifold elements **3**

c) Number of valves per cylinder **NONE**



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------	--------------------------



Make Mazda

Model

RX-8 Coupe SPC Recognition Document

3-13-012

328. Exhaust

- a) Material of manifold **STEEL**
- b) Number of manifold elements **1**
- d) Number of valves per cylinder _____
- 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 **2**
- c) Number of distributors _____
- d) Number of coils **4**

331. Cooling system

Capacity **10 L**

332. Cooling fan

- a) Number **2**
- b) Diameter of the fan _____ mm
- c) Material of the fan **PLASTIC**
- d) Number of blades _____
- e) Type of drive **ELECTRIC**
- f) Automatic cut in

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

333. Lubrication system

- a) Type _____
- b) Number of oil pumps **2**
- c) Total capacity **7 L**
- e) Location of the cooler(s) _____
- f) Type of the cooler(s) _____

4. FUEL CIRCUIT

401. Fuel tank

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

402. Fuel pump(s)

- a)

<input checked="" type="checkbox"/> Eleectrical	<input type="checkbox"/> Mechanical
---	-------------------------------------
- b) Number **1**
- d) Location **TANK**
- Fuel Pressure **395 - 450**

5. ELECTRICAL EQUIPMENT

502. Alternator

- a) Number **1**
- b) Type **GENERATOR**
- c) Drive system **BELT**
- d) Nominal power **112 Amp**

503. Retractable headlights

- a)

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

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 **SINGLE PLATE**
- b) Control system **HYDRAULIC**



Make **Mazda**

Model

RX-8 Coupe SPC Recognition Document

3-13-012

603. Gearbox

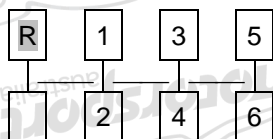
a) Location **CENTER OF CAR** b) Make **MAZDA**

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

e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	3.815	___	___
2	_____	2.260	___	___
3	_____	1.640	___	___
4	_____	1.259	___	___
5	_____	1.000	___	___
6	_____	0.787	___	___
R	_____	3.603	___	___
Constant	_____	_____	___	___

f) Gear change gate



604. Transfer box / Centre differential

a) Ratios _____

c) Control system of transfer box _____

d) Type of central differential _____

605. Final drive

a) Type of final drive

b) Ratio

f) Oil Cooler

g) Cooler Type

	Front	Rear
a) Type of final drive	_____	LSD
b) Ratio	_____	4.777
f) Oil Cooler	<input type="checkbox"/> yes	<input type="checkbox"/> no
		<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
g) Cooler Type	_____	_____

606. Shafts

a) Type of longitudinal shafts

SINGLE SHAFT

b) Material of longitudinal shafts

CARBON FIBRE

c) Type of transversal half-shafts

CONSTANT VELOCITY JOINT TYPE

d) Material of transversal half-shafts

STEEL



Make Mazda

Model

RX-8 Coupe SPC Recognition Document

3-13-012

7. SUSPENSION

701. General

	Front		Rear	
a) Type of suspension	<u>DOUBLE WISH BONE</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>	
	<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	_____		_____	

705. Other type of suspension

See description on additional form

706. Stabiliser

	Front	Rear
b) Effective diameter	_____ mm	_____ 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>GAS</u>	<u>GAS</u>
c) Principle of operation	<u>MONO TUBE</u>	_____

8. WHEELS

801. Wheels

	Front	Rear
a) Diameter	<u>18X8J</u>	<u>18X8J</u>
b) Width	<u>225"</u>	<u>225"</u>
c) Offset	<u>50 OR 47</u> mm	<u>50 OR 47</u> mm



Make Mazda

Model

RX-8 Coupe SPC Recognition Document

3-13-012

803. Brakes

a) Braking system

HYDRAULIC ABS

b) Number of master cylinders

1

c) Servo-brakes

yes no

c1) Make and type

MAZDA

	Front	Rear
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	2	2
g2) Number of calipers per wheel	1	1
g3) Caliper material	ALLOY	ALLOY
g4) Thickness of new disc	_____ ± 1 mm	_____ ± 1 mm
g5) External diameter of the disc	_____ ± 1.5 mm	_____ ± 1.5 mm
g9) Ventilated discs	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no

h) Parking brake: h1) Control system

HYDRAULIC

h2) Location of lever

CENTER FLOOR

Front Rear

804. Steering

a) Type

	Front	Rear
a) Type	_____	_____
b) Servo-assistance	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Type of Assistance	_____	_____

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

f2)

Control system

Front	Rear
_____	_____



Make **Mazda**

Model

RX-8 Coupe SPC Recognition Document

Recognition N°

3-13-012

g) Opening system for side windows

ELECTRIC

MECHANICAL

X) Dashboard



Y) Sunroof



902. Exterior

a) Number of doors **4**

b) Tailgate

yes

no

c) Door material

Front

Rear

STEEL

ALLOY

d) Front bonnet material

ALLOY

e) Rear bootlid / tailgate material

ALLOY

f) Bodywork material

STEEL

h) Rear window material

GLASS

i) Rear quarter window material

GLASS

Front

Rear

Make **Mazda**

Model

RX-8 Coupe SPC Recognition Document

3-13-012

k) Side window material

l) Material of bumper

n) Exterior Rear wiper

<u>GLASS</u>	<u>GLASS</u>
<u>PLASTIC</u>	<u>PLATIC</u>

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

XIII) NON METALLIC PARTS OF THE BODY

Number	Part	Material



Make Mazda

Model

RX-8 Coupe SPC Recognition Document

3-13-012

Drawing / photo required



Make Mazda

Model

RX-8 Coupe SPC Recognition Document

3-13-012

COMPLEMENTARY INFORMATION

