

Group 3E RECOGNITION DOCUMENT

A) Vehicle seen from 3/4 front

B) Vehicle seen from 3/4 rear



1. GENERAL

101. Manufacturer

FUJI HEAVY INDUSTRIES PTY LTD

102. Commercial name(s) - Model and type

Subaru BRZ

103. Engine capacity

1998 cm³

Corrected engine capacity

86 x 86 = 1998 cm³

104. Type of car construction

a) Type

separate chassis

monocoque

b) Material of chassis / bodyshell

STEEL

106. Number of seats

4

2. DIMENSIONS, WEIGHT

Minimum Racing Weight

1255 kg

202. Overall length

4240 mm ± 1 %

203. Maximum overall width

1775 mm ± 1 %

Where measured

At Front Axle or Mirror Tip To Mirror Tip

1980

204. Width of bodywork

a) At front axle

1775 mm ± 1 %

b) At rear axle

1755 mm ± 1 %

206. Wheelbase **2,570** mm ± 1%

207. Maximum track

a) Front **1520** mm

b) Rear **1540** mm

Make Subaru

Model BRZ

SPC Recogniiton Document

3. ENGINE

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

301. Location and position of the engine **FRONT NORTH SOUTH**

302. Number of mounts **2**

Engine in its compartment



304. Supercharging

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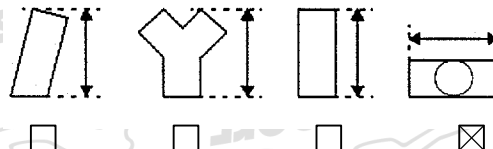
Maximum manifold pressure **N/A**

Type and number of compressors **N/A**

305. Number and layout of cylinders **4 HORIZONTAL**

312. Cylinder block material **Aluminium Alloy**

310. Maximum compression ratio **12.5 : 1**



313. Sleeves

a) yes no

b) Material **CAST IRON**

c) wet dry

314. Bore **86** +/- 0.1 mm

316. Stroke **86** +/- 0.1 mm

321. Cylinderhead a) Number **2** b) Material **ALLOY**

324. Fuel feed by injection : a) Make **TOYOTA** b) Model **86 GTS**

f) Position of Injectors:

f1) Manifold Cylinderhead

325. Camshaft a) Number **4** b) Location **CYLINDER HEAD**
 c) Drive system **CHAIN** d) Type of valve operation **DOHC**

327. Intake

a) Material of manifold **ALUMINIUM**
 b) Number of manifold elements **ONE** c) Number of valves per cylinder **2**

328. Exhaust

a) Material of manifold **STAINLESS STEEL**
 b) Number of manifold elements **ONE** d) Number of valves per cylinder **2**



Make Subaru

Model BRZ

SPC Recogniiton Document

3-19-022

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 – ECU CONTROLLED**
- d) Number of coils **FOUR**

331. Cooling system

Capacity **7.2 L**

332. Cooling fan

- a) Number **TWO**
- b) Diameter of the fan _____ mm
- c) Material of the fan _____
- d) Number of blades _____
- e) Type of drive **ELECTRIC MOTOR**
- f) Automatic cut in yes no

333. Lubrication system

- a) Type **TROCHOID ROTOR PUMP**
- b) Number of oil pumps **ONE**
- c) Total capacity **5,4LT WITH FILTER L**
- e) Location of the cooler(s) **N/A**
- f) Type of the cooler(s) **NA**

4. FUEL CIRCUIT

401. Fuel tank

- b) Location **MID**
- d) Total capacity **50 L**

402. Fuel pump(s)

- a) Eleectrical Mechanical
- b) Number **TWO**

d) Location **ELECTRICAL – TOP OF TANK PASSENGER SIDE.
MECHANICAL – PASSENGER SIDE CYLINDER HEAD**

Fuel Pressure **ELECTRICAL – 350 TO 500KPA. MECHANICAL FOR D4S – 4 TO 20 MPA**

5. ELECTRICAL EQUIPMENT

502. Alternator

- a) Number **1**
- b) Type _____
- c) Drive system **BELT**
- d) Nominal power **130** Amp

503. Retractable headlights

- a) yes no
- b) Control system _____

6. POWER TRAIN

601. Driven wheels

- front yes no
- rear yes no

602. Clutch

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

603. Gearbox

- a) Location **FR – BEHIND ENGINE**
- b) Make **TL701VD90A**



Make **Subaru**

Model **BRZ**

SPC Recogniiton Document

3-19-022

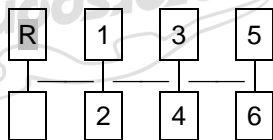
c) Type and location of control

FLOOR MOUNTED SHIFTER

e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	3.626	_____	_____
2	_____	2.188	_____	_____
3	_____	1.541	_____	_____
4	_____	1.213	_____	_____
5	_____	1	_____	_____
6	_____	0.767	_____	_____
R	_____	3.437	_____	_____
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

606. Shafts

a) Type of longitudinal shafts

3 JOINT (CUP TYPE)

b) Material of longitudinal shafts

STEEL

c) Type of transversal half-shafts

N/A

d) Material of transversal half-shafts

N/A



Make Subaru

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SPC Recogniiton Document

3-19-022

7. SUSPENSION

701. General

	Front		Rear	
a) Type of suspension	MACPHERSON STRUT		DOUBLE WISHBONE	
702. Helical springs	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
a) Material	HIGH TENSILE STEEL		HIGH TENSILE STEEL	
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	_____		_____	

705. Other type of suspension

See description on additional form

706. Stabiliser

	Front	Rear
b) Effective diameter	18 mm	14 mm
c) Material	STEEL	STEEL

707. Suspension Dampers

	Front	Rear
a) Number per wheel	1	1
b) Type	GAS/OIL	GAS/OIL
c) Principle of operation	_____	_____

8. WHEELS

801. Wheels

	Front	Rear
a) Diameter	18"	18"
b) Width	7.5"	7.5"
c) Offset	+48 mm	+48 mm



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SPC Recogniiton Document

3-19-022

803. Brakes

a) Braking system
Floating 1cylinder

FRONT = VENTILATED DISC FLOATING 2CYLINDER / REAR = Ventilated Disc

b) Number of master cylinders

1

c) Servo-brakes

yes no

c1) Make and type **SINGLE 10.5 INCH HITACHI**

	Front	Rear
e) Number of cylinders per wheel	<u>4</u>	<u>2</u>
f) Drum brakes		
f1) Internal diameter	<u>NA</u>	<u>NA</u>
f2) Number of linings per wheel	<u>NA</u>	<u>NA</u>
g) Disc brakes		
g1) Number of pads per wheel	<u>TWO</u>	<u>TWO</u>
g2) Number of calipers per wheel	<u>ONE</u>	<u>ONE</u>
g3) Caliper material	<u>ALUMINIUM</u>	<u>ALUMINIUM</u>
g4) Thickness of new disc	<u>30 ± 1 mm</u>	<u>20 ± 1 mm</u>
g5) External diameter of the disc	<u>326 ± 1.5 mm</u>	<u>316 ± 1.5 mm</u>
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 **DUO SERVO DRUM IN REAR DISC**

h2) Location of lever **HAND OPERATED - LEVER TYPE**

Front Rear

804. Steering

a) Type

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

b) Servo-assistance

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 **N/A**

f2) Control system _____

g) Opening system for side windows

Front	Rear
<u>ELECTRIC</u>	<u>FIXED</u>

X) Dashboard

Y) Sunroof





Not applicable

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>ANTI CORROSION SHEET STEEL</u>	<u>ANTI CORROSION SHEET STEEL</u>

c) Door material

d) Front bonnet material

ALUMINIUM

e) Rear bootlid / tailgate material

ANTI CORROSION SHEET STEEL

f) Bodywork material

ANTI CORROSION SHEET 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>

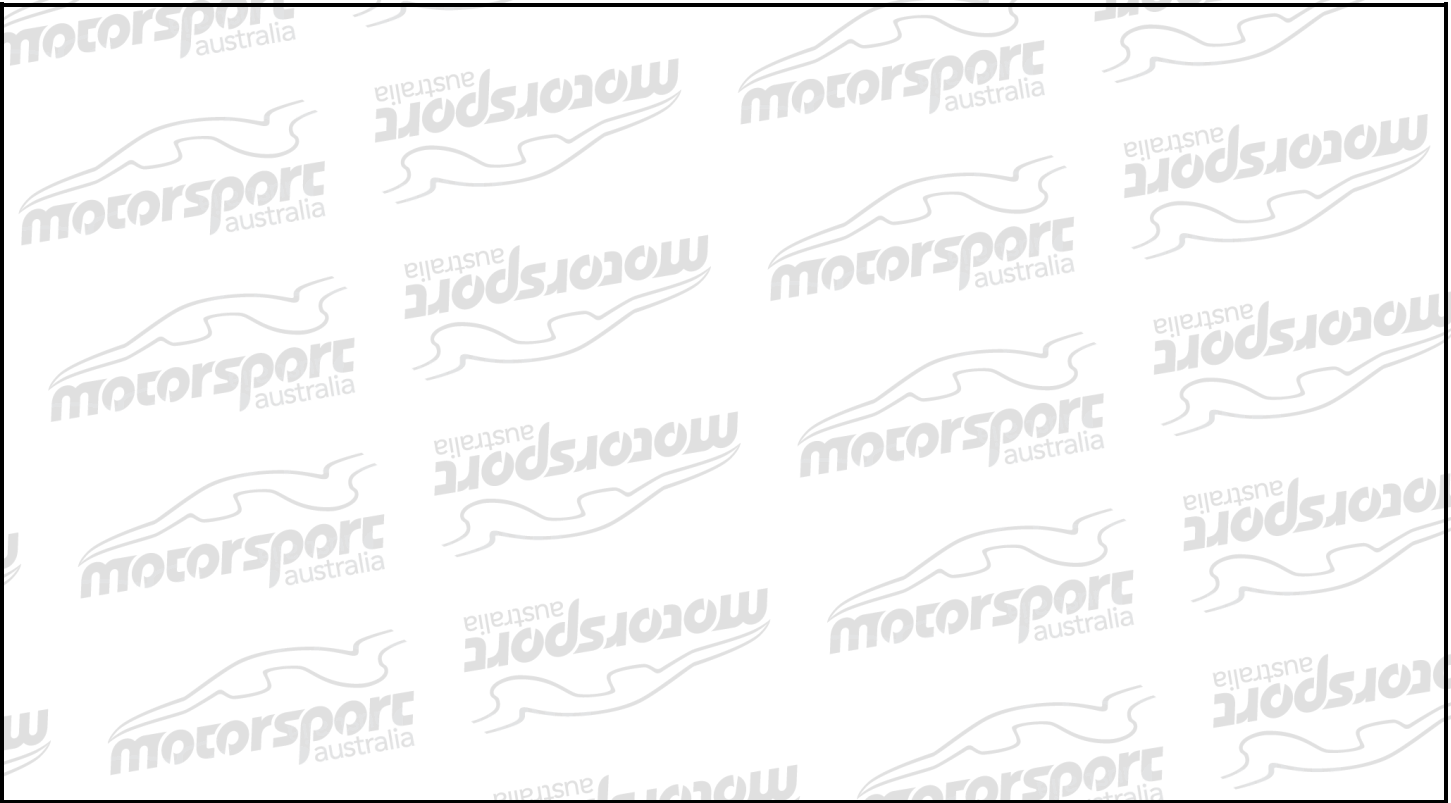
l) Material of bumper

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



COMPLEMENTARY INFORMATION

Optional Subaru S Pack Manual package



Front Under Spoiler



Side Under Spoiler



Rear Side Under Spoiler



Rear underside Diffuser



BRZ Gear Shift Lever Assembly (Short Shift)