

Group 3E Recognition FORM

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 (MY2012 – 2016)**
- 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

- Tare Weight **1200** kg RVD CPA Number. **43929-101176**
- Minimum Racing Weight **1200** kg
- 202. Overall length **4,240** mm ± 1 %
- 203. Maximum overall width **1,775** mm ± 1 % Where measured At Front Axle or Mirror Tip to Mirror Tip **1,980**
- 204. Width of bodywork
 - a) At front axle **1,775** mm ± 1 %
 - b) At rear axle **1,755** mm ± 1 %
- 206. Wheelbase **2,570** mm ± 1 %
- 207. Maximum track

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a) Front 1520 mm

b) Rear 1540 mm

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

yes no

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 SUBARU

b) Model BRZ

f) Position of Injectors:

f1) Manifold Cylinderhead

325. Camshaft a) Number

4

b) Location

CLYINDER HEAD

c) Drive system

CHAIN

f) Type of valve operation

DOHC

327. Intake

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- a) Material of manifold PLASTIC
- 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
- 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) N/A

4. FUEL CIRCUIT

401. Fuel tank

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

402. Fuel pump(s)

- a) Elelectrical Mechanical
- b) Number TWO
- d) Location ELECTRICAL – TOP OF TANK PASSENGER SIDE.
MECHANICAL – PASSENGER SIDE CYLINDER HEAD

Fuel Pressure

ELECTRICAL – 350 TO 500 KPA. 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 _____



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6. POWER TRAIN

601. Driven wheels

front yes no

rear yes no

602. Clutch

a) Type **DRY SINGLE PLATE DIAPHRAGM**

b) Control system **HYDRAULIC**

603. Gearbox

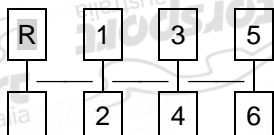
a) Location **FR – BEHIND ENGINE** b) Make **TL701VD90A**

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

	Front	Rear
a) Type of final drive	N/A	TORSEN LSD
b) Ratio	N/A	4.100
f) Oil Cooler	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
g) Cooler Type	_____	N/A

606. Shafts

a) Type of longitudinal shafts **3 JOINT (CUP TYPE)**

b) Material of longitudinal shafts **STEEL**



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c) Type of transversal half-shafts **N/A**

d) Material of transversal half-shafts **N/A**

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	17"	17"
b) Width	7.5"	7.5"
c) Offset	+48 mm	+48 mm

803. Brakes

a) Braking system

FRONT = VENTILATED DISC FLOATING 2 CYLINDER
REAR = VENTILATED DISC FLOATING 1 CYLINDER



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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	TWO	ONE
f) Drum brakes	N/A	N/A
f1) Internal diameter	N/A	N/A
f2) Number of linings per wheel	N/A	N/A
g) Disc brakes	TWO	TWO
g1) Number of pads per wheel	ONE	ONE
g2) Number of calipers per wheel	ALUMINIUM	ALUMINIUM
g3) Caliper material	24 ± 1 mm	18 ± 1 mm
g4) Thickness of new disc	294 ± 1.5 mm	290 ± 1.5 mm
g5) External diameter of the disc	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
g9) Ventilated discs		

h) Parking brake: h1) Control system **DUO SERVO DRUM IN REAR DISC**

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

h3) On which wheels Effet sur roues

<input checked="" type="checkbox"/> Front	<input type="checkbox"/> Rear
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804. Steering

a) Type

b) Servo-assistance

Type of Assistance

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	

9. BODYWORK

901. Interior

a) Ventilation

c) Air Conditioning

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

b) Heating

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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f) Optional sun roof

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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f1) Type **N/A**

f2) Control system _____

g) Opening system for side windows

Front	Rear
ELECTRIC	FIXED



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X) Dashboard



Y) Sunroof

Not Applicable

902. Exterior

a) Number of doors **2**

b) Tailgate

yes no

c) Door material

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

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

i) Rear quarter window material

k) Side window material

l) Material of bumper

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

n) Exterior Rear wiper

yes no

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XIII) NON METALLIC PARTS OF THE BODY

Number	Part	Material
	Bonnet	Aluminium
	Front Bumper	Plastic
	Rear Bumper	Plastic
	Side Mirrors	Plastic



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COMPLEMENTARY INFORMATION

Subaru accessories



Subaru Optional Rear Spoiler

STi Performance Parts



Rear Spoiler



Front Splitter



Strut Brace