

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 TS

103. Engine capacity

2387 cm³

Corrected engine capacity

94 x 86 = 2387 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

1256 kg

RVD CPA Number. **060023 20240426**

Minimum Racing Weight

1256 kg

202. Overall length

4265 mm ± 1 %

203. Maximum overall width

2010 mm ± 1 %

Where measured Mirror Tip To Mirror Tip

204. Width of bodywork

a) At front axle

1775 mm ± 1 %

b) At rear axle

1775 mm ± 1 %

206. Wheelbase **2,575** mm ± 1 %

207. Maximum track

a) Front **1520** mm

b)

Rear **1550** mm

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3-25-005A**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

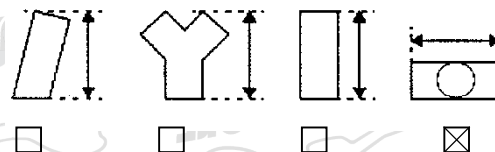
305. Number and layout of cylinders

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

94 +0/- 0.1 mm

316. Stroke

86 +0/- 0.1 mm

321. Cylinderhead

a) Number **2**

b) Material

ALLOY324. Fuel feed by injection : a) Make **SUBARU**b) Model **BRZ**

f) Position of Injectors:

f1)

☒ Manifold☒ Cylinderhead

325. Camshaft a) Number

4

b) Location

CYLINDER HEAD

c) Drive system

CHAIN

f) Type of valve operation

DOHC

327. Intake

a) Material of manifold

PLASTIC

b) Number of manifold elements

ONEc) Number of valves per cylinder **2**

328. Exhaust

a) Material of manifold

STAINLESS STEEL

Make Subaru**Model** BRZ Ts**Recognition Document****3-25-005A**b) Number of manifold elements **3**d) Number of valves per cylinder **2**p) External Diameter of exhaust pipe between manifold and first silencer **63.5** mm ± 5%**330. Ignition system**

a) Type

ELECTRONICb) Number of plugs per cylinder **1**

c) Number of distributors

N/A – ECU CONTROLLED

d) Number of coils

FOUR**331. Cooling system**

Capacity

7.5 L**332. Cooling fan**

a)

Number

TWO

b) Diameter of the fan

300 mm

c) Material of the fan

PLASTIC

d) Number of blades

7&9

e) Type of drive

ELECTRIC MOTOR

f) Automatic cut in

☒ yes☐ no**333. Lubrication system**

a) Type

WET SUMP

b) Number of oil pumps

ONE

c) Total capacity

5,5LT WITH FILTER L

e) Location of the cooler(s)

ENGINE MOUNTED

f) Type of the cooler(s)

WATER/OIL HEAT EXCHANGE**4. FUEL CIRCUIT****401. Fuel tank**

b) Location

UNDER FLOOR

d) Total capacity

50 L**402. Fuel pump(s)**

a)



Electrical



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 DIAPHRAGM

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b) Control system

HYDRAULIC**603. Gearbox**

a) Location

FR – BEHIND ENGINE

b) Make

TL701V8ACA

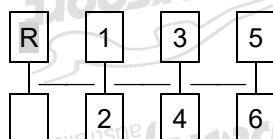
c) Type and location of control

FLOOR MOUNTED SHIFTER

e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<u>3.626</u>	_____	_____
2	_____	<u>2.189</u>	_____	_____
3	_____	<u>1.541</u>	_____	_____
4	_____	<u>1.213</u>	_____	_____
5	_____	<u>1</u>	_____	_____
6	_____	<u>0.767</u>	_____	_____
R	_____	<u>3.438</u>	_____	_____
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**N/A****Rear****TORSEN LSD**

b) Ratio

N/A**4.100**

f) Oil Cooler

☐

yes

☐

no

☐

yes

☒

no

g) Cooler Type

N/A**606. Shafts**

a)

Type of longitudinal shafts

2 PIECE WITH CV & UNI JOINTS

b)

Material of longitudinal shafts

STEEL

c)

Type of transversal half-shafts

CV JOINTS

d)

Material of transversal half-shafts

STEEL

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7. SUSPENSION**701. General**

a) Type of suspension

Front		Rear	
<u>MACPHERSON STRUT</u>		<u>DOUBLE WISHBONE</u>	
☒ yes	☐ no	☒ yes	☐ no
<u>HIGH TENSILE STEEL</u>		<u>HIGH TENSILE STEEL</u>	
☐ yes	☒ no	☐ yes	☒ no
_____		_____	
☐ yes	☒ no	☐ yes	☒ no
_____		_____	

702. Helical springs

a) Material

703. Leaf springs

a) Material

704. Torsion bars

a) Material

705. Other type of suspension

See description on additional form

706. Stabiliser

b) Effective diameter

c) Material

Front	Rear
<u>18</u> mm	<u>14</u> mm
<u>STEEL</u>	<u>STEEL</u>

707. Suspension Dampers

a) Number per wheel

b) Type

c) Principle of operation

Front	Rear
<u>1</u>	<u>1</u>
<u>TELESCOPIC</u>	<u>TELESCOPIC</u>
<u>HYDRAULIC/GAS</u>	<u>HYDRAULIC/GAS</u>

8. WHEELS**801. Wheels**

a) Diameter

b) Width

c) Offset

Front	Rear
<u>18"</u>	<u>18"</u>
<u>7.5"</u>	<u>7.5"</u>
<u>+48</u> mm	<u>+48</u> mm

803. Brakes

a) Braking system

b) Number of master cylinders

HYDRAULIC**1**

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c) Servo-brakes

☒ yes ☐ no
c1) Make and type **HITACHI, DIAPHRAM**

	Front	Rear
e) Number of cylinders per wheel	FOUR	TWO
f) Drum brakes		
f1) Internal diameter	NA	NA
f2) Number of linings per wheel	NA	NA
g) Disc brakes		
g1) Number of pads per wheel	TWO	TWO
g2) Number of calipers per wheel	ONE	ONE
g3) Caliper material	ALUMINIUM	ALUMINIUM
g4) Thickness of new disc	30 ± 1 mm	20 ± 1 mm
g5) External diameter of the disc	326 ± 1.5 mm	316 ± 1.5 mm
g9) Ventilated discs	☒ yes ☐ no	☒ yes ☐ no

h) Parking brake: h1) Control system **INTERNAL EXPANDING IN REAR DISC**h2) Location of lever **HAND OPERATED - LEVER TYPE**h3) On which wheels **Effet sur roues**
☐ Front ☒ Rear
804. Steering

a) Type

b) Servo-assistance

Type of Assistance

Front		Rear	
RACK AND PINNION		N/A	
☒ yes	☐ no	☐ yes	☒ no
ELECTRIC		N/A	

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

N/A

f2) Control system

g) Opening system for side windows

Front	Rear
ELECTRIC	FIXED

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X) Dashboard



Y) Sunroof

**902. Exterior**a) Number of doors **2**

b) Tailgate

☒ yes	☐ no
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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

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

☐ yes	☒ no
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XIII) NON METALLIC PARTS OF THE BODY

Number	Part	Material
SU003-10194	Front Bumper Cover	PLASTIC
SU003-11248	Rear Bumper Cover	PLASTIC



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Note: The BRZ ts version is fitted with the cast front suspension uprights – Part Number 43211 and 43212

Optional Components

Trunk Spoiler – Part Number E7210CC000



Subaru STI Front Under Spoiler – Part Number E2410CC000



Subaru STI Side Under Spoilers – Part Number E2610CC000



STI Rear Carbon Spoiler – Part Number ST96050ZM000



STI Flexible V Bar – Part Number ST20502Z2000A



STI Flexible Draw Stiffner – Rear – Part Number ST20168VR000A

