

**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

**TOYOTA 86 GTS 2018**

103. Engine capacity

**1998** cm<sup>3</sup>

Corrected engine capacity

**86 x 86 = 1998** cm<sup>3</sup>

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

**1215** 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

**3. ENGINE**

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

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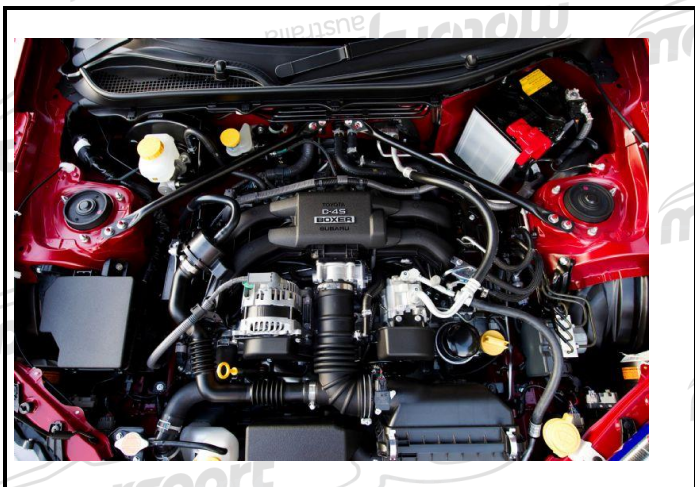
**Make** Toyota

**Model** 86 GTS 2018- Recognition Document

**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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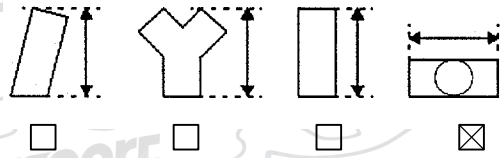
Maximum manifold pressure N/A

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 f) Type of valve operation DOHC

**327. Intake**

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



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- 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 

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

<input checked="" type="checkbox"/> Elelectrical	<input checked="" type="checkbox"/> Mechanical
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- 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) 

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

**6. POWER TRAIN**

**601. Driven wheels**

- front 

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

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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**602. Clutch**

- a) Type DRY SINGLE PLATE DIAGHRAGM
- b) Control system HYDRAULIC

**603. Gearbox**

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



Make **Toyota**

Model **86 GTS 2018- Recognition Document**

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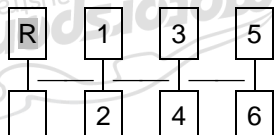
c) Type and location of control

**FLOOR MOUNTED SHIFTER**

e) Ratios

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

\_\_\_\_\_

**N/A**

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**

**7. SUSPENSION**

701. General

a) Type of suspension

	Front	Rear
	<b>MACPHERSON STRUT</b>	<b>DOUBLE WISHBONE</b>

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**702. Helical springs**

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
<b>HIGH TENSILE STEEL</b>		<b>HIGH TENSILE STEEL</b>	
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
_____		_____	
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
_____		_____	

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
<b>18 mm</b>	<b>14 mm</b>
<b>STEEL</b>	<b>STEEL</b>

**707. Suspension Dampers**

a) Number per wheel

b) Type

c) Principle of operation

Front	Rear
<b>1</b>	<b>1</b>
<b>GAS/OIL</b>	<b>GAS/OIL</b>
_____	_____

**8. WHEELS**

**801. Wheels**

a) Diameter

b) Width

c) Offset

Front	Rear
<b>17"</b>	<b>17"</b>
<b>7.5"</b>	<b>7.5"</b>
<b>+48 mm</b>	<b>+48 mm</b>



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**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	<b><u>TWO</u></b>	<b><u>ONE</u></b>
f) <b>Drum brakes</b>		
f1) Internal diameter	<b><u>NA</u></b>	<b><u>NA</u></b>
f2) Number of linings per wheel	<b><u>NA</u></b>	<b><u>NA</u></b>
g) <b>Disc brakes</b>		
g1) Number of pads per wheel	<b><u>TWO</u></b>	<b><u>TWO</u></b>
g2) Number of calipers per wheel	<b><u>ONE</u></b>	<b><u>ONE</u></b>
g3) Caliper material	<b><u>ALUMINIUM</u></b>	<b><u>ALUMINIUM</u></b>
g4) Thickness of new disc	<b><u>30 ± 1 mm</u></b>	<b><u>20 ± 1 mm</u></b>
g5) External diameter of the disc	<b><u>326 ± 1.5 mm</u></b>	<b><u>316 ± 1.5 mm</u></b>
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	
<b><u>RACK AND PINNION</u></b>		<b><u>N/A</u></b>	
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
<b><u>ELECTRIC</u></b>		<b><u>N/A</u></b>	

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
<b><u>ELECTRIC</u></b>	<b><u>FIXED</u></b>

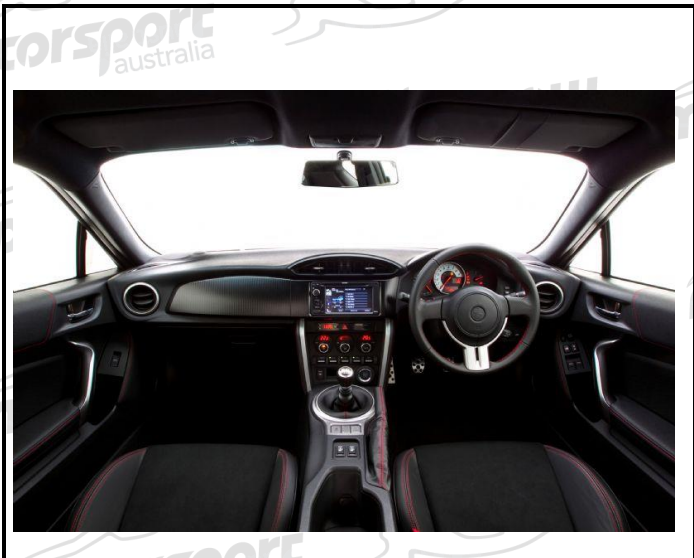


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X) Dashboard



Y) Sunroof



902. Exterior

a) Number of doors 2

b) Tailgate

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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Front	Rear
<b><u>ANTI CORROSION SHEET</u></b> <b><u>STEEL</u></b>	<b><u>ANTI CORROSION SHEET</u></b> <b><u>STEEL</u></b>

c) Door material

d) Front bonnet material

**STEEL**

**ALUMINIUM**

e) Rear bootlid / tailgate material

**ANTI CORROSION SHEET**

f) Bodywork material

**ANTI CORROSION SHEET STEEL**

h) Rear window material

i) Rear quarter window material

k) Side window material

l) Material of bumper

n) Exterior Rear wiper

Front	Rear
_____	_____
<b><u>PLASTIC</u></b>	<b><u>PLASTIC</u></b>

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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**XIII) NON METALLIC PARTS OF THE BODY**

Number	Part	Material





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**COMPLEMENTARY INFORMATION**

