

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 GR86 GTS**
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 **1228** kg RVD CPA Number. **060315 20240722**

Minimum Racing Weight **1228** 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. 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

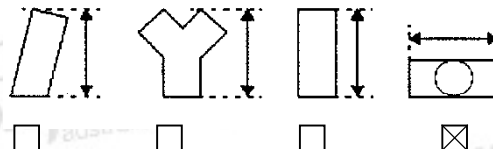
4 HORIZONTAL

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 +/- 0.1 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 **GR86**

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**

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328. Exhaust

- a) Material of manifold **STAINLESS STEEL**
 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 **ELECTRONIC** b) Number of plugs per cylinder **1**
 c) Number of distributors **N/A – ECU CONTROLLED** d) Number of coils **FOUR**

331. Cooling systemCapacity **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

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

<input checked="" type="checkbox"/> Eleectrical	<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 DIAGPHRAGM**
 b) Control system **HYDRAULIC**

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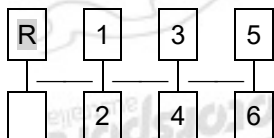
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603. Gearbox

- 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	_____	3.626	—	—
2	_____	2.189	—	—
3	_____	1.541	—	—
4	_____	1.213	—	—
5	_____	1	—	—
6	_____	0.767	—	—
R	_____	3.438	—	—
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
- b) Ratio
- f) Oil Cooler
- g) Cooler Type

	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 **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

	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	TELESCOPIC	TELESCOPIC
c) Principle of operation	HYDRAULIC/GAS	HYDRAULIC/GAS

8. WHEELS

801. Wheels

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

803. Brakes

a) Braking system

HYDRAULIC

b) Number of master cylinders

1

c) Servo-brakes

yes no

c1) Make and type **HITACHI, DIAPHRAM**



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	Front	Rear
e) Number of cylinders per wheel	<u>TWO</u>	<u>ONE</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>24 ± 1 mm</u>	<u>18 ± 1 mm</u>
g5) External diameter of the disc	<u>294 ± 1.5 mm</u>	<u>290 ± 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 INTERNAL EXPANDING IN REAR DISC

h2) Location of lever HAND OPERATED - LEVER TYPE

h3) On which wheels

Effet sur roues

<input type="checkbox"/> Front	<input checked="" type="checkbox"/> Rear
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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

<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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c) Air Conditioning

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

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Model **GR86 GTS**

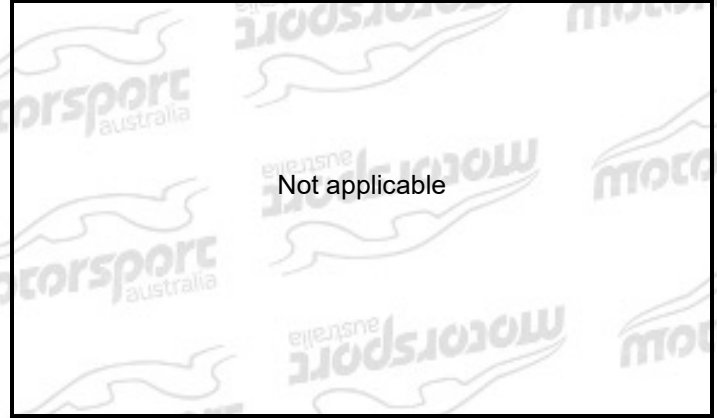
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X) Dashboard

Y) Sunroof



902. Exterior

a) Number of doors **2**

b) Tailgate



yes



no

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

PLASTIC

PLASTIC

n) Exterior Rear wiper

yes

no

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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COMPLEMENTARY INFORMATION

GR86 GTS Optional Dynamic Performance Pack

803. Brakes

a) Braking system HYDRAULIC

b) Number of master cylinders 1

c) Servo-brakes yes no

c1) Make and type HITACHI, DIAPHRAM

	Front	Rear
e) Number of cylinders per wheel	<u>FOUR</u>	<u>TWO</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 INTERNAL EXPANDING IN REAR DISC

h2) Location of lever HAND OPERATED - LEVER TYPE

h3) On which wheels Effet sur roues

<input type="checkbox"/> Front	<input checked="" type="checkbox"/> Rear
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NOTE: TOYOTA GAZOO Racing Australia GR CUP - GR86 vehicles are not eligible for 3E category competition.

Examples of not compatible parts include:

- NGR8-B02FR, NGR8-B02FL 330mm Front Brake Rotors
- NGR8-S19R Rear Lower control arm, camber adjust
- NGR8-S20R Rear Lower arm, toe adjust

