

Group 3E RECOGNITION DOCUMENT

A) Vehicle seen from 3/4 front



B) Vehicle seen from 3/4 rear



1. GENERAL

101. Manufacturer

LOTUS CARS

102. Commercial name(s) - Model and type

EXIGE S 118a

103. Engine capacity

1796 cm³ Corrected engine capacity **1798 x 1.7 = 3057** cm³

104. Type of car construction

a) Type

<input type="checkbox"/> separate chassis	<input checked="" type="checkbox"/> monocoque
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b) Material of chassis / bodyshell

ALLUMINIUM ALLOY / GLASS REINFORCED PLASTIC

106. Number of seats

2

2. DIMENSIONS, WEIGHT

Minimum Racing Weight

1075 kg

202. Overall length

3797 mm ± 1 %

203. Maximum overall width

1727 mm ± 1 % Where measured **REAR WHEEL ARCHES**

204. Width of bodywork

a) At front axle

1692 mm ± 1 %

b) At rear axle

1718 mm ± 1 %

206. Wheelbase **2300** mm ± 1 %

207. Maximum track

a) Front **1457** mm

b) Rear **1506** mm

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3. ENGINE

301. Location and position of the engine **MID MOUNTED TRANSVERSE**

302. Number of mounts **FOUR**

Engine in its compartment



304. Supercharging

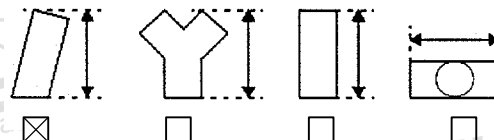
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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Type and number of compressors

1 EATON/MAGNUSSON

305. Number and layout of cylinders

INLINE FOUR



312. Cylinder block material

ALUMINIUM ALLOY

310. Compression ratio

11.5: 1 Static

313. Sleeves

a) yes no

b) Material

c) wet dry

314. Bore **82.0** +0/- 0.1 mm

316. Stroke **85.0** +0/- 0.1 mm

321. Cylinderhead

a) Number **1**

b) Material **ALUMINIUM ALLOY**

324. Fuel feed by injection :

a) Make **TOYOTA**

b) Model **2320922070**

f) Position of injectors

f1) Manifold Cylinderhead

325. Camshaft

a) Number **2**

b) Location **OVERHEAD**

c) Drive system **CHAIN**

f) Type of valve operation **ROCKER ARM**

327. Intake

a) Material of manifold **ALUMINIUM ALLOY**

b) Number of manifold elements **ONE**

c) Number of valves per cylinder **TWO**

328. Exhaust

a) Material of manifold **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 **63.5** mm ± 5%



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330. Ignition system

- a) Type **DIRECT IGNITION** b) Number of plugs per cylinder **ONE**
 c) Number of distributors **N/A** d) Number of coils **FOUR**

331. Cooling systemCapacity **12 L****332. Cooling fan**

- a) Number **TWO** b) Diameter of the fan **245 mm**
 c) Material of the fan **PLASTIC** d) Number of blades **TEN**
 e) Type of drive **ELECTRIC** f) Automatic cut in

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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333. Lubrication system

- a) Type **WET SUMP**
 c) Total capacity **7.9 L**
 e) Location of the cooler(s) **FRONT WHEEL ARCH** f) Type of the cooler(s) **OIL TO AIR**

4. FUEL CIRCUIT**401. Fuel tank**

- a) Number **ONE**
 b) Location **MID MOUNTED**
 d) Rated capacity **43 L**
 e) Filler hole locations **SIDE REAR CLAMHELL**

402. Fuel pump(s)

- a)

<input checked="" type="checkbox"/> Elelectrical	<input type="checkbox"/> Mechanical
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 b) Number **ONE**
 d) Location **INTANK**

5. ELECTRICAL EQUIPMENT**502. Alternator**

- a) Number **ONE** b) Type **TOYOTA**
 c) Drive system **BELT** d) Nominal max current **85 Amp**

503. Retractable headlights

- a)

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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 b) Control system **N/A**

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 **SINGLE DRY PLATE**
 b) Control system **HYDRAULIC**

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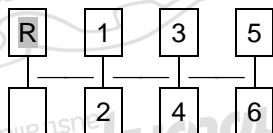
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603. Gearbox

- a) Location **MID TRANSVERSE**
- b) Make **TOYOTA**
- c) Type and location of control **MANUAL CABLE SHIFT BETWEEN SEATS IN CABIN**
- e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	3.116	_____	_____
2	_____	2.050	_____	_____
3	_____	1.481	_____	_____
4	_____	1.166	_____	_____
5	_____	0.916	_____	_____
6	_____	0.815	_____	_____
R	_____	3.250	_____	_____
Constant	_____	_____	_____	_____

f) Gear change gate



g) Type of lubrication **INTERNAL SPLASH ONLY**

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

	Front	Rear
a) Type of final drive	N/A	OPEN OPTIONAL LSD
b) Ratio	N/A	4.529 :1
f) Oil cooler	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
g) Cooler Type	N/A	N/A

606. Shafts

- a) Type of longitudinal shafts **NONE**
- b) Material of longitudinal shafts **N/A**
- c) Type of transversal half-shafts **LOTUS**
- d) Material of transversal half-shafts **STEEL**



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7. SUSPENSION

701. General

a) Type of suspension

Front		Rear	
<u>UNEQUAL LENGTH WISHBONES</u>		<u>ULW WITH TRACK CONTROL ARM BRACE</u>	
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
<u>STEEL</u>		<u>STEEL</u>	
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
<u>N/A</u>		<u>N/A</u>	
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
<u>N/A</u>		<u>N/A</u>	

702. Helical springs

a) Material

703. Leaf springs

a) Material

704. Torsion bars

a) Material

706. Stabiliser

b) Effective diameter

c) Material

Front	Rear
<u>19.05</u> ±0.2 mm	<u>N/A</u> ±0.2mm
<u>STEEL</u>	<u>N/A</u>

707. Suspension Dampers

a) Number per wheel

b) Type

c) Principle of operation

Front	Rear
<u>ONE</u>	<u>ONE</u>
<u>TELESCOPIC</u>	<u>TELESCOPIC</u>
<u>HYDRAULIC</u>	<u>HYDRAULIC</u>

8. WHEELS

801. Wheels

a) Diameter

b) Width

c) Offset

Front	Rear
<u>16"</u>	<u>17"</u>
<u>7"</u>	<u>8"</u>
<u>+32</u> mm	<u>+38</u> mm



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803. Brakes

- a) Braking system **FRONT FIXED 2 PISTON OPPOSED, REAR SLIDING PIN SINGLE PISTON WITH ABS**
- b) Number of master cylinders **ONE**
- c) Servo-brakes yes no

c1) Make and type **FTE BOOSTER**

	Front	Rear
e) Number of cylinders per wheel	TWO	ONE
f) Drum brakes		
f1) Internal diameter	N/A ± 1.5 mm	N/A ± 1.5 mm
f2) Number of linings per wheel	N/A	N/A
g) Disc brakes		
g1) Number of pads per wheel	TWO	TWO
g2) Number of calipers per wheel	ONE	ONE
g3) Caliper material	STEEL	STEEL
g4) Thickness of new disc	26 ± 1 mm	26 ± 1 mm
g5) External diameter of the disc	288 ± 1.5 mm	288 ± 1.5 mm
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 **MECHANICAL**

- h2) Location of lever **COCKPIT**
- h3) On which wheels Front Rear

804. Steering

- a) Type
- b) Servo-assistance
- Type of Assistance

Front		Rear	
RACK AND PINION		NONE	
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
N/A		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 **N/A**

- g) Opening system for side windows

Front	Rear
MECHANICAL	MECHANICAL



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X) Dashboard



Y) Sunroof



902. Exterior

a) Number of doors **TWO**

b) Tailgate

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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Front	Rear
GLASS FIBRE REINFORCED PLASTIC	GLASS FIBRE REINFORCED PLASTIC

c) Door material

d) Front bonnet material

GLASS FIBRE REINFORCED PLASTIC

e) Rear bootlid / tailgate material

GLASS FIBRE REINFORCED PLASTIC

f) Bodywork material

GLASS FIBRE REINFORCED PLASTIC

h) Rear window material

GLASS

i) Rear quarter window material

NONE

k) Side window material

Front	Rear
GLASS	NONE
NONE	NONE
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no

l) Material of bumper

n) Exterior Rear wiper



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XIII) NON METALLIC PARTS OF THE BODY

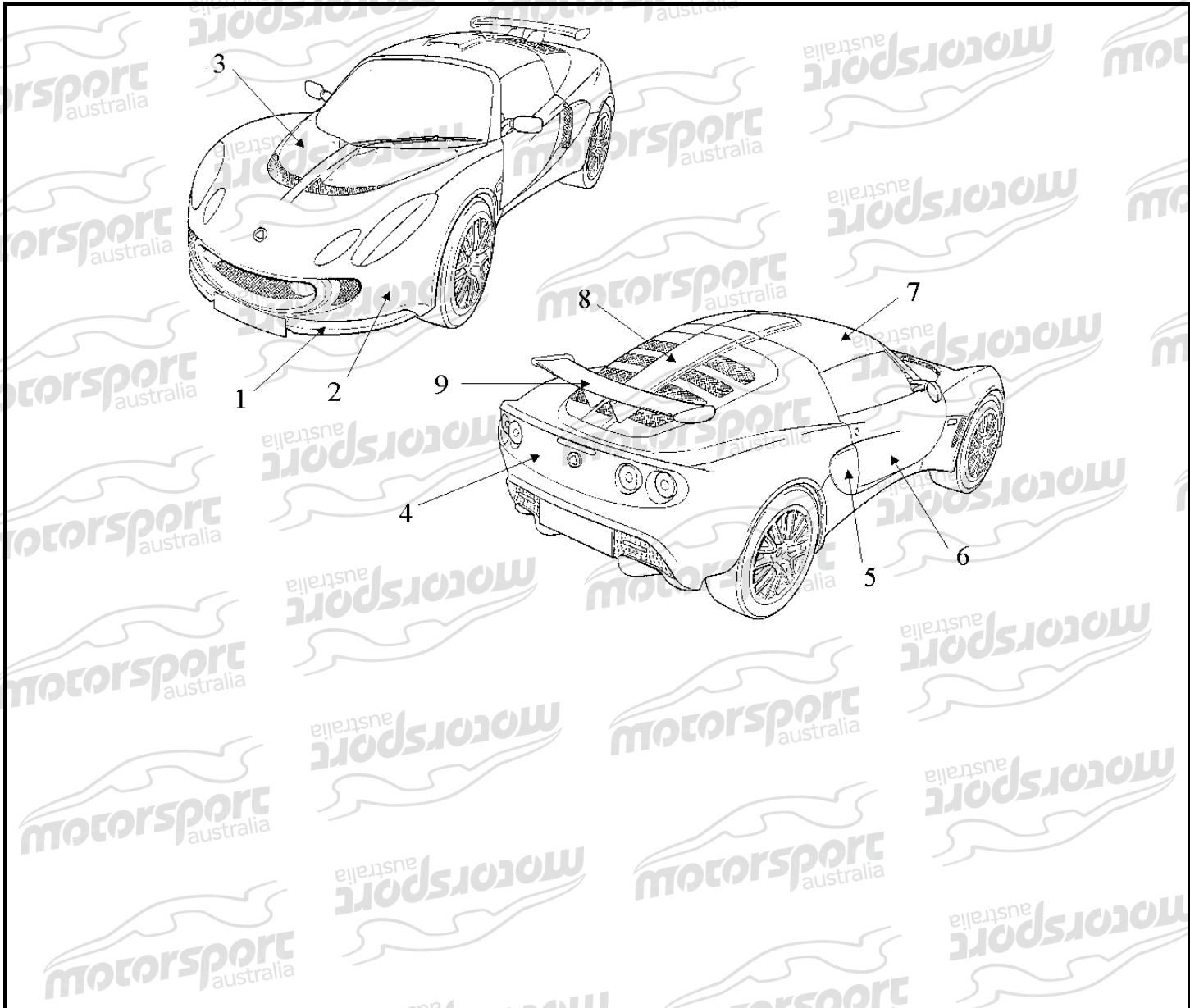
Number	Part	Material
1	Front Splitter	Glass Fibre Reinforced Plastic
2	Front Clamshell	Glass Fibre Reinforced Plastic
3	Front Access Cover	Glass Fibre Reinforced Plastic
4	Rear Clamshell	Glass Fibre Reinforced Plastic
5	Side Duct	Glass Fibre Reinforced Plastic
6	Door Outer	Glass Fibre Reinforced Plastic
7	Roof Outer	Glass Fibre Reinforced Plastic
8	Tailgate Outer	Glass Fibre Reinforced Plastic
9	Rear Spoiler	ABS Plastic

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COMPLEMENTARY INFORMATION

