

## Group 3E RECOGNITION DOCUMENT

A) Vehicle seen from 3/4 front



B) Vehicle seen from 3/4 rear



### 1. GENERAL

101. Manufacturer

**MITSUBISHI MOTORS CORP.**

102. Commercial name(s) - Model and type

**LANCER EVOLUTION X RS (CZ4A)**

103. Engine capacity

**1998.2** cm<sup>3</sup> Corrected engine capacity **1998.2 x 1.7 = 3397** cm<sup>3</sup>

104. Type of car construction

a) Type

separate chassis

monocoque

b) Material of chassis / bodyshell

**STEEL**

106. Number of seats

**5**

### 2. DIMENSIONS, WEIGHT

Minimum Racing Weight

**1486** kg

202. Overall length

**4495** mm ± 1 %

203. Maximum overall width

**1810** mm ± 1 % Where measured **AT FRONT AXLE**

204. Width of bodywork

a) At front axle

**1810** mm ± 1 %

b) At rear axle

**1810** mm ± 1 %

206. Wheelbase **2650** mm ± 1 %

207. Maximum track

a) Front **1545** mm

b)

Rear **1545** mm

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

301. Location and position of the engine **FRONT, LATERAL, VERTICAL**

302. Number of mounts **1**

Engine in its compartment



304. Supercharging  yes  no

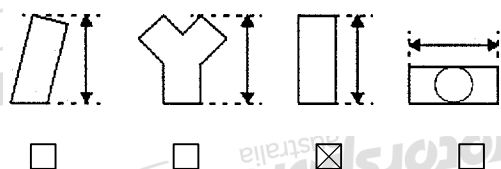
Maximum manifold pressure **1.4 BAR**

Type and number of compressors **SINGLE TURBOCHARGER**

305. Number and layout of cylinders **4 IN-LINE**

312. Cylinder block material **ALUMINIUM ALLOY**

310. Maximum compression ratio **9.3 : 1**



313. Sleeves a)  yes  no b) Material **CAST IRON** c)  wet  dry

314. Bore **86.0** +/- 0.1 mm

316. Stroke **86.0** +/- 0.1 mm

321. Cylinderhead a) Number **1** b) Material **ALUMINIUM ALLOY**

324. Fuel feed by injection : a) Make **MITSUBISHI** b) Model **ECI - MULTI**

f) Position of Injectors:

f1)  Manifold  Cylinderhead

325. Camshaft a) Number **2** b) Location **OVER HEAD (DOHC)**  
c) Drive system **CHAIN** f) Type of valve operation **DIRECT ACTING TAPPET**

327. Intake

a) Material of manifold **ALUMINIUM ALLOY**  
b) Number of manifold elements **1** c) Number of valves per cylinder **2**



Make **Mitsubishi** Model **Lancer Evolution X RS**

SPC Recognition Document

3-09-030

**328. Exhaust**

- a) Material of manifold **CAST STEEL**
- b) Number of manifold elements **1**
- d) Number of valves per cylinder **2**
- p) External Diameter of exhaust pipe between manifold and first silencer **65.0** mm ± 5%

**330. Ignition system**

- a) Type **ELECTRONIC**
- b) Number of plugs per cylinder **1**
- c) Number of distributors **N/A**
- d) Number of coils **4**

**331. Cooling system**Capacity **7.5** L**332. Cooling fan**

- a) Number **2**
- b) Diameter of the fan **340 / 320** mm
- c) Material of the fan **PLASTIC**
- d) Number of blades **5 / 5**
- e) Type of drive **ELECTRICAL**
- f) Automatic cut in 

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

**333. Lubrication system**

- a) Type **WET SUMP**
- b) Number of oil pumps **1**
- c) Total capacity **5.6** L
- e) Location of the cooler(s) **UNDER THE HEAD LAMP (RHS)**
- f) Type of the cooler(s) **RADIATOR**

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

- b) Location **UNDER THE REAR FLOOR PAN**
- d) Total capacity **57** L

**402. Fuel pump(s)**

- a) 

<input checked="" type="checkbox"/>	Electrical	<input type="checkbox"/>	Mechanical
-------------------------------------	------------	--------------------------	------------
- b) Number **1**
- d) Location **IN FUEL TANK**
- e) Fuel Pressure **430 KPA AT 12.5V**

**5. ELECTRICAL EQUIPMENT****502. Alternator**

- a) Number **1**
- b) Type **ALTERNATOR**
- c) Drive system **V-RIBBED BELT**
- d) Nominal power **1,560** Watts

**503. Retractable headlights**

- a) 

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

**6. POWER TRAIN****601. Driven wheels**

- front 

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

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

**602. Clutch**

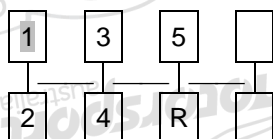
- a) Type **DRY SINGLE PLATE**
- b) Control system **HYDRAULIC**

**603. Gearbox**

- a) Location **ENGINE BAY**
- b) Make **MITSUBISHI**
- c) Type and location of control **MECHANICAL, ON THE FLOOR**
- e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	<b>40 / 14</b>	<b>2.857:1</b>	—	—
2	<b>39 / 20</b>	<b>1.950:1</b>	—	—
3	<b>39 / 27</b>	<b>1.444:1</b>	—	—
4	<b>34 / 31</b>	<b>1.097:1</b>	—	—
5	<b>32 / 42</b>	<b>0.762:1</b>	—	—
6	—	<b>N/A</b>	—	—
R	—	<b>2.893:1</b>	—	—
Constant	—	—	—	—

f) Gear change gate



**604. Transfer box / Centre differential**

- a) Ratios **0.302**
- c) Control system of transfer box **N/A**
- d) Type of central differential **HYPOID & BEVEL GEAR**

**605. Final drive**

a) Type of final drive

	Front	Rear
a) Type of final drive	<b>HELICAL GEAR</b>	<b>HYPOID &amp; BEVEL GEAR</b>
b) Ratio	<b>4.688:1</b>	<b>3.308:1</b>
f) Oil Cooler	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
g) Cooler Type	<b>N/A</b>	<b>N/A</b>

b) Ratio

f) Oil Cooler

g) Cooler Type

**606. Shafts**

- a) Type of longitudinal shafts **3 UNIVERSAL JOINTS & CV JOINTS**
- b) Material of longitudinal shafts **STEEL**
- c) Type of transversal half-shafts **BALL JOINT & TRIPOD JOINT**
- d) Material of transversal half-shafts **STEEL**



**Make** Mitsubishi **Model** Lancer Evolution X RS

**SPC Recognition Document**

**3-09-030**

**7. SUSPENSION**

**701. General**

	Front	Rear
a) Type of suspension	<b>MCPHERSON STRUT</b>	<b>DOUBLE WISHBONE W/ MULTI LINK</b>
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
a) Material	<b>STEEL</b>	<b>STEEL</b>
703. Leaf springs	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	<b>N/A</b>	<b>N/A</b>
704. Torsion bars	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	<b>N/A</b>	<b>N/A</b>

**705. Other type of suspension**

See description on additional form

**706. Stabiliser**

	Front	Rear
b) Effective diameter	<b>25 mm</b>	<b>23 mm</b>
c) Material	<b>STEEL</b>	<b>STEEL</b>

**707. Suspension Dampers**

	Front	Rear
a) Number per wheel	<b>1</b>	<b>1</b>
b) Type	<b>TELESCOPIC</b>	<b>TELESCOPIC</b>
c) Principle of operation	<b>HYDRAULIC</b>	<b>HYDRAULIC</b>

**8. WHEELS**

**801. Wheels**

	Front	Rear
a) Diameter	<b>18"</b>	<b>18"</b>
b) Width	<b>8.5"</b>	<b>8.5"</b>
c) Offset	<b>+38 mm</b>	<b>+38 mm</b>



**Make** Mitsubishi **Model** Lancer Evolution X RS

**SPC Recognition Document**

**3-09-030**

**803. Brakes**

- a) Braking system
- b) Number of master cylinders
- c) Servo-brakes

**HYDRAULIC WITH ABS**

**TANDEM**

yes  no

c1) Make and type

**BOSCH VACUUM**

	Front	Rear
e) Number of cylinders per wheel	<u>4</u>	<u>2</u>
f) <b>Drum brakes</b>	<u>N/A</u>	<u>N/A</u>
f1) Internal diameter	<u>N/A</u>	<u>N/A</u>
f2) Number of linings per wheel	<u>2</u>	<u>2</u>
g) <b>Disc brakes</b>	<u>1</u>	<u>1</u>
g1) Number of pads per wheel	<u>ALUMINIUM ALLOY</u>	<u>ALUMINIUM ALLOY</u>
g2) Number of calipers per wheel	<u>32 ± 1 mm</u>	<u>22 ± 1 mm</u>
g3) Caliper material	<u>350 ± 1.5 mm</u>	<u>330 ± 1.5 mm</u>
g4) Thickness of new disc	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
g5) External diameter of the disc		
g9) Ventilated discs		

h) Parking brake: h1) Control system **MECHANICAL**

h2) Location of lever **BETWEEN FRONT SEATS**

Front  Rear

**804. Steering**

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

Front		Rear	
<b>RACK &amp; PINION</b>		<u>N/A</u>	
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
<b>HYDRAULIC</b>		<u>N/A</u>	

**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 N/A

g) Opening system for side windows

Front	Rear
<b>ELECTRIC</b>	<b>ELECTRIC</b>



X) Dashboard

Y) Sunroof



902. Exterior

a) Number of doors **4**

b) Tailgate

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

Front	Rear
<b><u>STEEL</u></b>	<b><u>STEEL</u></b>

c) Door material

d) Front bonnet material **ALUMINIUM ALLOY**

e) Rear bootlid / tailgate material **STEEL**

f) Bodywork material **STEEL (EXCEPT FRONT FENDER, BONNET, ROOF PANEL AND BUMPER BEAM : ALUMINIUM ALLOY)**

h) Rear window material **SAFETY GLASS**

i) Rear quarter window material **SAFETY GLASS**

Front	Rear
<b><u>SAFETY GLASS</u></b>	<b><u>SAFETY GLASS</u></b>
<b><u>PLASTICS (MODIFIED POLY-PROPYLENE)</u></b>	<b><u>PLASTICS (MODIFIED POLY-PROPYLENE)</u></b>

k) Side window material

l) Material of bumper

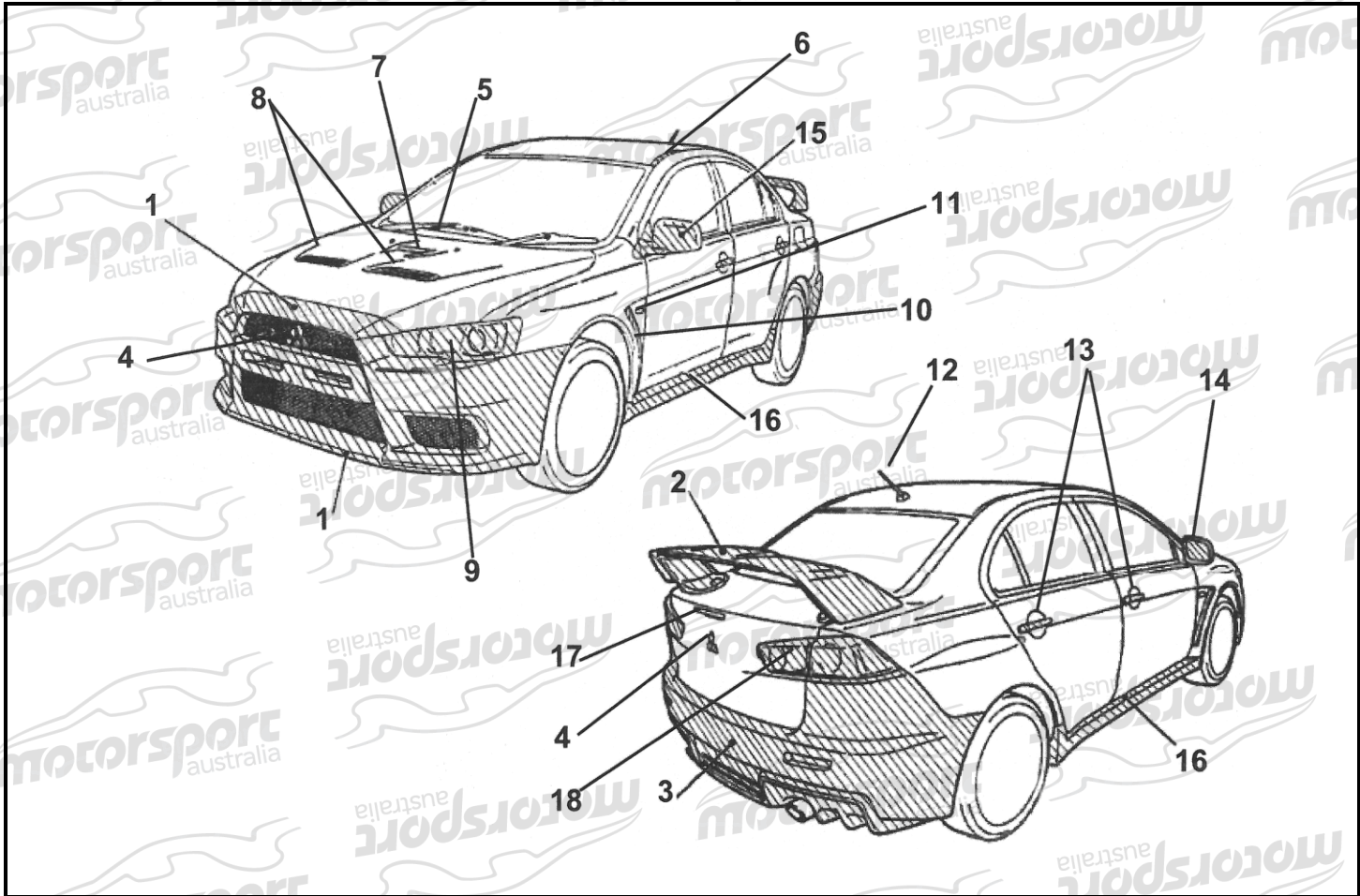
n) Exterior Rear wiper

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

**XIII) NON METALLIC PARTS OF THE BODY**

Number	Part	Material
1	Face, bumper, front	PP(polypropylene)
2	Spoiler, rear	ABS(Acrylonitrile butadiene styrene)
3	Face, bumper, rear	PP
4	Mark, 3-dia	ABS
5	Deck, front garnish	PP
6	Moulding	PVC(Polyvinyl chloride plastic)
7	Air scoop assy, hood	PA6(Polyamide)
8	Garnish assy, head	PA6
9	Lamp assy, head	PC(Polycarbonate), PP
10	Garnish, fender	PP
11	Lamp assy, side turn signal	PMMA(Polymethyl methacrylates), PC + ABS
12	Antenna	E590-POBA
13	Handle, door outside	PC + PET(Polyethylene terephthalate)
14	Mirror	Glass
15	Mirror assy, door	ASA(Acrylonitrile-styrene-acrylate), ABS, PA6
16	Air dam, side	PP
17	Lamp assy, high mount stop	PMMA, ABS
18	Lamp assy, rear combination	PMMA, ASA





COMPLEMENTARY INFORMATION

