

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 (CZ4A)

103. Engine capacity

1998.2 cm³ Corrected engine capacity 1998.2 x 1.7 = 3397 cm³

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**

Make Mitsubishi **Model** Lancer Evolution X RS

SPC Recognition Document

3-13-018

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

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

Maximum manifold pressure

1.4 BAR

Type and number of compressors

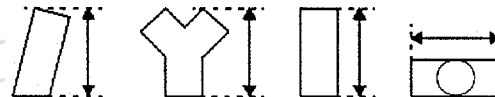
SINGLE TURBOCHARGER

305. Number and layout of cylinders

4 IN-LINE

312. Cylinder block material

ALUMINIUM ALLOY



310. Maximum compression ratio

9.3 : 1

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	-------------------------------------	--------------------------

313. Sleeves

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

b) Material **CAST IRON**

c) <input type="checkbox"/> wet	<input checked="" type="checkbox"/> 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

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

328. Exhaust



Make Mitsubishi **Model** Lancer Evolution X RS

SPC Recognition Document

3-13-018

- 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"/> Eleectrical	<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**



Make Mitsubishi **Model** Lancer Evolution X RS

SPC Recognition Document

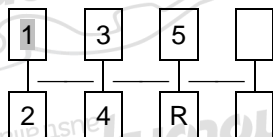
3-13-018

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	40 / 14	2.857:1	—	—
2	39 / 20	1.950:1	—	—
3	39 / 27	1.444:1	—	—
4	34 / 31	1.097:1	—	—
5	32 / 42	0.762:1	—	—
6	—	N/A	—	—
R	—	2.893:1	—	—
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

b) Ratio

f) Oil Cooler

g) Cooler Type

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

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

3-13-018

7. SUSPENSION

701. General

	Front	Rear
a) Type of suspension	<u>MCPHERSON STRUT</u>	<u>DOUBLE WISHBONE W/ MULTI LINK</u>
702. Helical springs	<input checked="" type="checkbox"/> yes	<input checked="" type="checkbox"/> yes
a) Material	<u>STEEL</u>	<u>STEEL</u>
703. Leaf springs	<input type="checkbox"/> yes	<input type="checkbox"/> yes
a) Material	<u>N/A</u>	<u>N/A</u>
704. Torsion bars	<input type="checkbox"/> yes	<input type="checkbox"/> yes
a) Material	<u>N/A</u>	<u>N/A</u>

705. Other type of suspension

See description on additional form

706. Stabiliser

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

707. Suspension Dampers

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

8. WHEELS

801. Wheels

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

803. Brakes

- a) Braking system **HYDRAULIC WITH ABS**
- b) Number of master cylinders **TANDEM**
- c) Servo-brakes yes no

c1) Make and type **BOSCH VACUUM**



Make Mitsubishi **Model** Lancer Evolution X RS

SPC Recognition Document

3-13-018

	Front	Rear
e) Number of cylinders per wheel	<u>4</u>	<u>2</u>
f) Drum brakes	<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>N/A</u>	<u>N/A</u>
g) Disc brakes		
g1) Number of pads per wheel	<u>2</u>	<u>2</u>
g2) Number of calipers per wheel	<u>1</u>	<u>1</u>
g3) Caliper material	<u>ALUMINIUM ALLOY</u>	<u>ALUMINIUM ALLOY</u>
g4) Thickness of new disc	<u>32 ± 1 mm</u>	<u>22 ± 1 mm</u>
g5) External diameter of the disc	<u>350 ± 1.5 mm</u>	<u>330 ± 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 **MECHANICAL**

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

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

804. Steering

- a) Type
- b) Servo-assistance

Type of Assistance

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

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 **N/A**

- g) Opening system for side windows

Front	Rear
<u>ELECTRIC</u>	<u>ELECTRIC</u>



Make Mitsubishi **Model** Lancer Evolution X RS

SPC Recognition Document

3-13-018

X) Dashboard

Y) Sunroof



N/A

902. Exterior

a) Number of doors **4**

b) Tailgate

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

c) Door material

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

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**

k) Side window material

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

l) Material of bumper

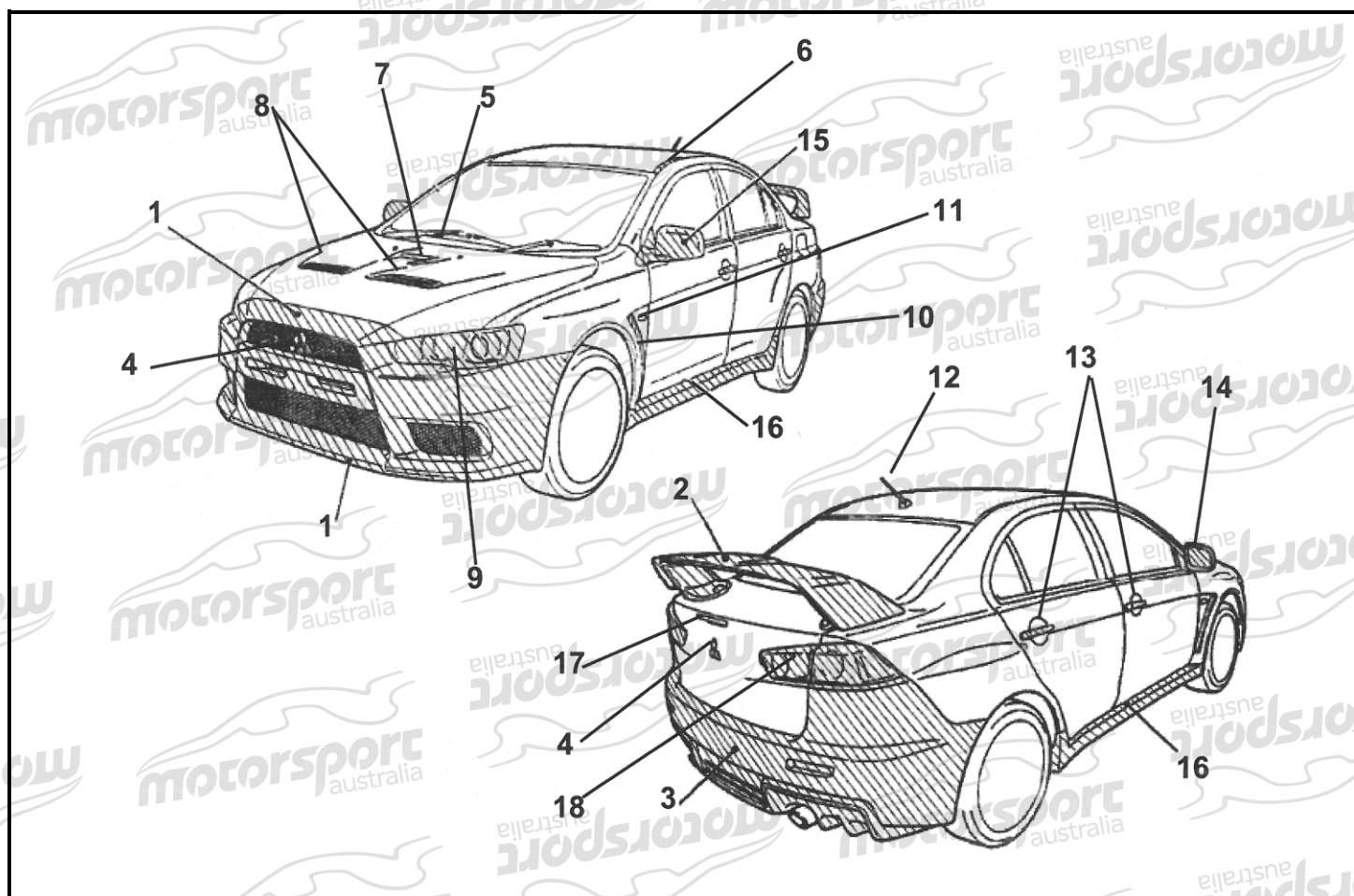
n) Exterior Rear wiper

<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

