

**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**

102. Commercial name(s) - Model and type

**SUBARU IMPREZA RS 2.5 G2 MY2003**

103. Engine capacity

**2457.2 cm<sup>3</sup> Corrected engine capacity 2457.2 x 1 = 2457.2 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

**1349 kg**

202. Overall length

**4415 mm ± 1 %**

203. Maximum overall width

**1740 mm ± 1 %** Where measured **FRONT FENDER**

204. Width of bodywork

a) At front axle **1740 mm ± 1 %**

b) At rear axle **1725 mm ± 1 %**

206. Wheelbase **2525 mm ± 1 %**

207. Maximum track

a) Front **1485 mm**

b) Rear **1475 mm**

Make **Subaru**

Model **Impreza RS 2.5 G2**

SPC Recognition Document

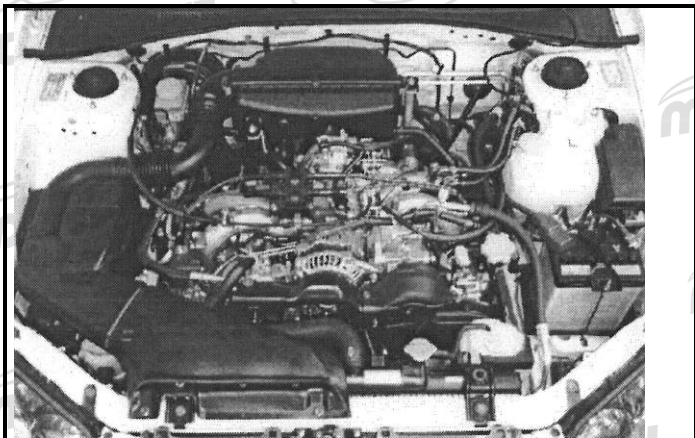
**3-09-034**

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

301. Location and position of the engine **FRONT LONGITUDINAL FLAT**

302. Number of mounts **2**

Engine in its compartment



304. Supercharging

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

Maximum manifold pressure

**N/A**

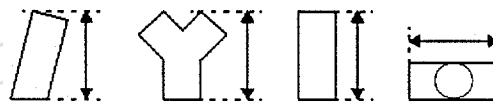
Type and number of compressors

**N/A**

305. Number and layout of cylinders **HORIZONTALLY OPPOSED 4**

312. Cylinder block material

**ALUMINIUM ALLOY**



310. Maximum compression ratio

**10.2 : 1**

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

**99.5** +0/- 0.1 mm

316. Stroke

**79.0** +0/- 0.1 mm

321. Cylinderhead

a) Number **2**

b) Material

**ALUMINIUM ALLOY**

324. Fuel feed by injection : a) Make

**NIPPON DENSO**

b) Model **MPI**

f) Position of Injectors:

f1) <input checked="" type="checkbox"/> Manifold	<input type="checkbox"/> Cylinderhead
--	---------------------------------------

325. Camshaft

a) Number

**2**

b) Location

**SOHC**

c) Drive system

**BELT**

f) Type of valve operation

**ROCKER ARM**

327. Intake

a) Material of manifold

**ALUMINIUM ALLOY**

b) Number of manifold elements

**1**

c) Number of valves per cylinder

**2**

**Make** Subaru

**Model** Impreza RS 2.5 G2

**SPC Recognition Document**

**3-09-034**

**328. Exhaust**

- a) Material of manifold **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 **49** mm ± 5%

**330. Ignition system**

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

**331. Cooling system** Capacity **7.0** L

- 332. Cooling fan**
- a) Number **2**
- b) Diameter of the fan **320** mm
- c) Material of the fan **NYLON**
- d) Number of blades **5 / 7**
- e) Type of drive **ELECTRIC**
- 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 **4.5** L
- e) Location of the cooler(s) **N/A**
- f) Type of the cooler(s) **N/A**

**4. FUEL CIRCUIT**

- 401. Fuel tank**
- b) Location **UNDER REAR FLOOR**
- d) Total capacity **61.5** L

- 402. Fuel pump(s)**
- a) 

<input checked="" type="checkbox"/> Elelectrical	<input type="checkbox"/> Mechanical
--	-------------------------------------
- b) Number **1**
- d) Location **IN THE TANK**
- Fuel Pressure **300 KPA**

**5. ELECTRICAL EQUIPMENT**

- 502. Alternator**
- a) Number **1**
- b) Type **ALTERNATOR**
- c) Drive system **BELT**
- d) Nominal power **900** 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** Subaru

**Model** Impreza RS 2.5 G2

**SPC Recognition Document**

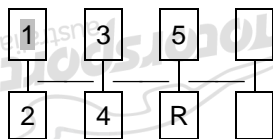
**3-09-034**

**603. Gearbox**

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

	Number of teeth	Ratio	Constant Mesh	Synchro
1	<b><u>38/11</u></b>	<b><u>3.454:1</u></b>	—	—
2	<b><u>33/16</u></b>	<b><u>2.062:1</u></b>	—	—
3	<b><u>42/29</u></b>	<b><u>1.448:1</u></b>	—	—
4	<b><u>37/34</u></b>	<b><u>1.088:1</u></b>	—	—
5	<b><u>32/41</u></b>	<b><u>0.780:1</u></b>	—	—
6	<b><u>N/A</u></b>	<b><u>N/A</u></b>	—	—
R	—	<b><u>3.333:1</u></b>	—	—
Constant	<b><u>31/31</u></b>	<b><u>1.000:1</u></b>	—	—

f) Gear change gate



**604. Transfer box / Centre differential**

- a) Ratios **1.000**
- c) Control system of transfer box **N/A**
- d) Type of central differential **BEVEL DRIVE PINION**

**605. Final drive**

a) Type of final drive

	Front	Rear
a) Type of final drive	<b><u>HYPOID</u></b>	<b><u>HYPOID</u></b>
b) Ratio	<b><u>4.11</u></b>	<b><u>4.11</u></b>
f) Oil Cooler	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
g) Cooler Type	—	—

**606. Shafts**

- a) Type of longitudinal shafts **PROPELLOR SHAFT WITH UNI JOINTS**
- b) Material of longitudinal shafts **STEEL**
- c) Type of transversal half-shafts **SHAFT WITH CV & PILLOW TRIPOD JOINT**
- d) Material of transversal half-shafts **STEEL**

**7. SUSPENSION**



**Make** Subaru

**Model** Impreza RS 2.5 G2

**SPC Recognition Document**

**3-09-034**

**701. General**

	Front	Rear
a) Type of suspension	<b><u>MCPHERSON</u></b>	<b><u>MCPHERSON</u></b>
<b>702. Helical springs</b>	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
a) Material	<b><u>STEEL</u></b>	<b><u>STEEL</u></b>
<b>703. Leaf springs</b>	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	<b><u>N/A</u></b>	<b><u>N/A</u></b>
<b>704. Torsion bars</b>	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	<b><u>N/A</u></b>	<b><u>N/A</u></b>

**705. Other type of suspension**

See description on additional form

**706. Stabiliser**

	Front	Rear
b) Effective diameter	<b><u>20.0</u></b> mm	<b><u>17.0</u></b> mm
c) Material	<b><u>STEEL</u></b>	<b><u>STEEL</u></b>

**707. Suspension Dampers**

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

**8. WHEELS**

**801. Wheels**

	Front	Rear
a) Diameter	<b><u>16"</u></b>	<b><u>16"</u></b>
b) Width	<b><u>6.5"</u></b>	<b><u>6.5"</u></b>
c) Offset	<b><u>+55</u></b> mm	<b><u>+55</u></b> mm

**803. Brakes**



**Make** Subaru

**Model** Impreza RS 2.5 G2

**SPC Recognition Document**

**3-09-034**

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

**DUAL CIRCUIT HYDRAULIC**

**1 TANDEM**

yes  no

c1) Make and type

**BOSCH VACUUM**

	Front	Rear
e) Number of cylinders per wheel	<u>2</u>	<u>1</u>
f) <b>Drum brakes</b>		
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) <b>Disc brakes</b>		
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>CAST STEEL</u>	<u>CAST STEEL</u>
g4) Thickness of new disc	<u>24 ± 1 mm</u>	<u>10 ± 1 mm</u>
g5) External diameter of the disc	<u>277 ± 1.5 mm</u>	<u>266 ± 1.5 mm</u>
g9) Ventilated discs	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

h) Parking brake: h1) Control system

**CABLE**

h2) Location of lever

**CENTRE TUNNEL**

Front  Rear

**804. Steering**

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

Front		Rear	
<b><u>RACK &amp; PINION</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>HYDRAULIC</u></b>		<b><u>N/A</u></b>	

**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><u>ELECTRIC</u></b>	<b><u>ELECTRIC</u></b>

Make **Subaru**

Model **Impreza RS 2.5 G2**

SPC Recognition Document

Recognition N°

**3-09-034**

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

**STEEL**

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
<b><u>GLASS</u></b>	<b><u>GLASS</u></b>
<b><u>POLYPROPYLENE</u></b>	<b><u>POLYPROPYLENE</u></b>

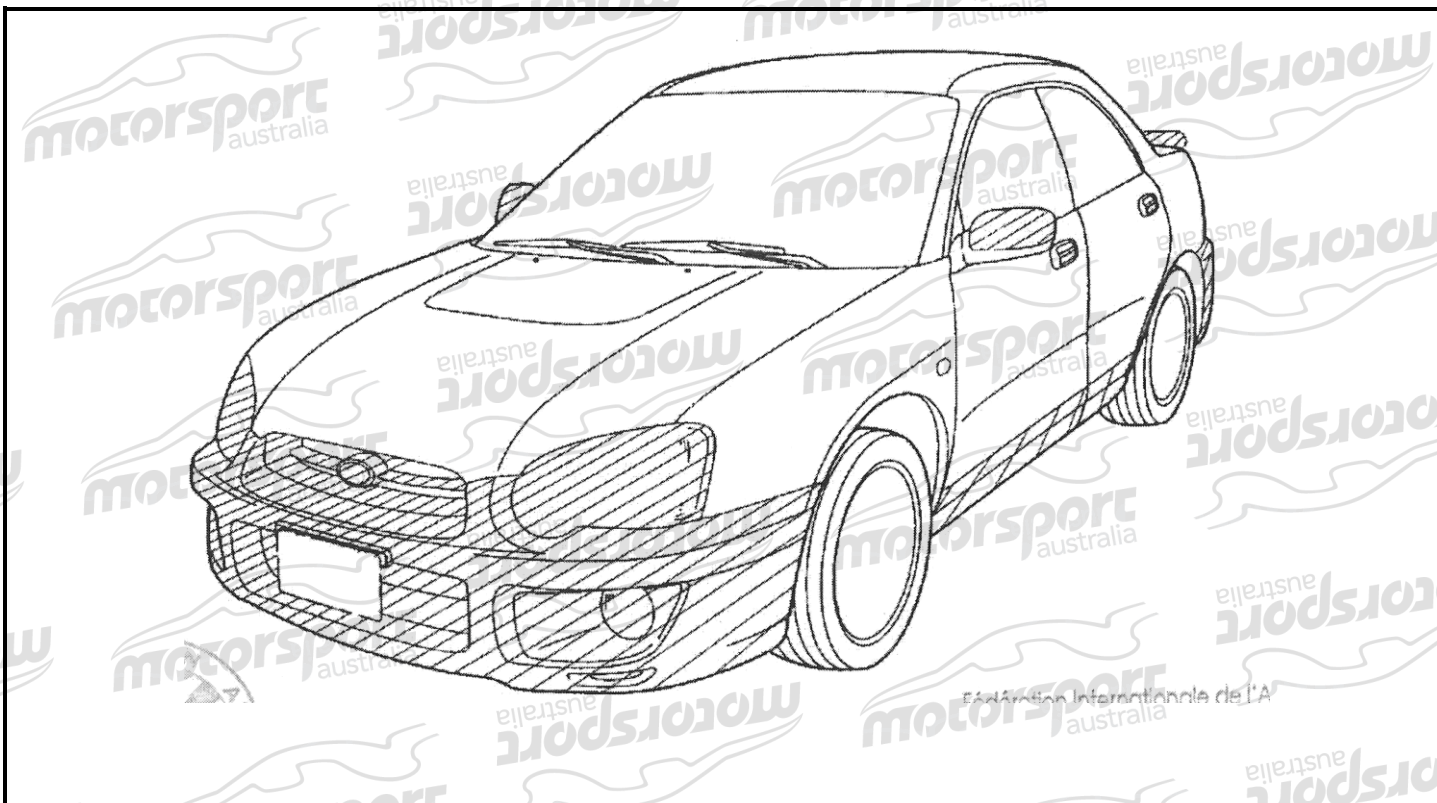
l) Material of bumper

n) Exterior Rear wiper

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

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

Number	Part	Material





Make

Subaru

Model

Impreza RS 2.5 G2

SPC Recognition Document

Recognition N°

3-09-034

**COMPLEMENTARY INFORMATION**