

**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 WRX STI GD**
- 103. Engine capacity **1994.3** cm<sup>3</sup> Corrected engine capacity **1994.3 x 1.7 = 3390.3** cm<sup>3</sup>

104. Type of car construction

a) Type	<input type="checkbox"/> separate chassis	<input checked="" type="checkbox"/> monocoque
---------	---	---

106. Number of seats **5**

**2. DIMENSIONS, WEIGHT**

Minimum Racing Weight **1437** 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	<b>1740</b> mm ± 1 %
b) At rear axle	<b>1725</b> mm ± 1 %

206. Wheelbase **2525** mm ± 1 %

207. Maximum track

a) Front	<b>1490</b> mm	b) Rear	<b>1485</b> mm
----------	----------------	---------	----------------



Make **Subaru** Model **WRX STI GD** Recognition Document

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

yes

no

Maximum manifold pressure

**NOT AVAILABLE**

Type and number of compressors

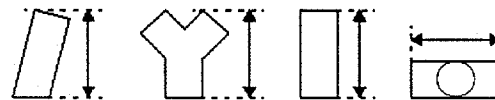
**VF37 TWIN SCROLL, 1**

305. Number and layout of cylinders

**HORIZONTALLY OPPOSED 4**

312. Cylinder block material

**ALUMINIUM ALLOY**



310. Maximum compression ratio

**8.0** : 1

313. Sleeves

a)

yes

no

b) Material

**CAST IRON**

c)

wet

dry

314. Bore

**92.0** +0/- 0.1 mm

316. Stroke

**75.0** +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)  Manifold

Cylinderhead

325. Camshaft a) Number

**4**

b) Location

**DOHC**

c) Drive system

**BELT**

f) Type of valve operation

**DIRECT**

327. Intake

a) Material of manifold

**ALUMINIUM ALLOY**

b) Number of manifold elements

**3**

c) Number of valves per cylinder **2**

**Make** Subaru **Model** WRX STI GD Recognition Document

**3-21-006**

### 328. Exhaust

- a) Material of manifold **STEEL**  
 b) Number of manifold elements **4** d) Number of valves per cylinder **2**  
 p) External Diameter of exhaust pipe between manifold and first silencer **46.5** mm ± 5%

### 330. Ignition system

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

### 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 **5.0** 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**

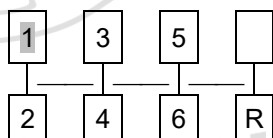
Make **Subaru** Model **WRX STI GD** Recognition Document

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>40/11</b>	<b>3.636:1</b>	—	<b>X</b>
2	<b>38/16</b>	<b>2.375:1</b>	—	<b>X</b>
3	<b>37/21</b>	<b>1.761:1</b>	—	<b>X</b>
4	<b>35/26</b>	<b>1.346:1</b>	—	<b>X</b>
5	<b>34/32</b>	<b>1.062:1</b>	—	<b>X</b>
6	<b>32/38</b>	<b>0.842</b>	—	<b>X</b>
R	<b>(26/12)X(40/26)</b>	<b>3.545:1</b>	—	<b>X</b>
Constant	-	-	—	—

f) Gear change gate



604. Transfer box / Centre differential

- a) Ratios **1.100**  
 c) Control system of transfer box **N/A**  
 d) Type of central differential **BEVEL GEAR WITH CISCOUS COUPLING**

605. Final drive

- a) Type of final drive  
 b) Ratio  
 f) Oil Cooler  
 g) Cooler Type

Front		Rear	
<b>HYPOID</b>		<b>HYPOID</b>	
<b>3.900</b>		<b>3.545</b>	
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
—		—	

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 & FREE RING TRIPOD JOINT**  
 d) Material of transversal half-shafts **STEEL**



**7. SUSPENSION**

**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>17"</u></b>	<b><u>17"</u></b>
b) Width	<b><u>8"</u></b>	<b><u>8"</u></b>
c) Offset	<b><u>+53</u></b> mm	<b><u>+53</u></b> mm

**803. Brakes**

- 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	<b><u>4</u></b>	<b><u>2</u></b>
f) <b>Drum brakes</b>	<b><u>N/A</u></b>	<b><u>N/A</u></b>
f1) Internal diameter	<b><u>N/A</u></b>	<b><u>N/A</u></b>
f2) Number of linings per wheel	<b><u>2</u></b>	<b><u>2</u></b>
g) <b>Disc brakes</b>	<b><u>1</u></b>	<b><u>1</u></b>
g1) Number of pads per wheel	<b><u>2</u></b>	<b><u>2</u></b>
g2) Number of calipers per wheel	<b><u>1</u></b>	<b><u>1</u></b>
g3) Caliper material	<b><u>STEEL</u></b>	<b><u>ALUMINIUM ALLOY</u></b>
g4) Thickness of new disc	<b><u>30 ± 1 mm</u></b>	<b><u>20 ± 1 mm</u></b>
g5) External diameter of the disc	<b><u>326 ± 1.5 mm</u></b>	<b><u>316 ± 1.5 mm</u></b>
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 **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  yes  no
- c) Air Conditioning  yes  no

b) Heating  yes  no

f) Optional sun roof  yes  no

**Make** Subaru **Model** WRX STI GD **Recognition Document**

f1) Type **N/A**

f2) Control system **N/A**

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

g) Opening system for side windows

X) Dashboard



Y) Sunroof



**902. Exterior**

a) Number of doors **4**

b) Tailgate

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

c) Door material

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

d) Front bonnet material **ALLUMINIUM ALLOY** e)

Rear bootlid / tailgate material **STEEL**

f) Bodywork material **STEEL**

h) Rear window material **GLASS**

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

k) Side window material

Front	Rear
<b><u>SAFETY GLASS</u></b>	<b><u>SAFETY GLASS</u></b>
<b><u>POLYPROPYLENE</u></b>	<b><u>POLYPROPYLENE</u></b>

l) Material of bumper

n) Exterior Rear wiper

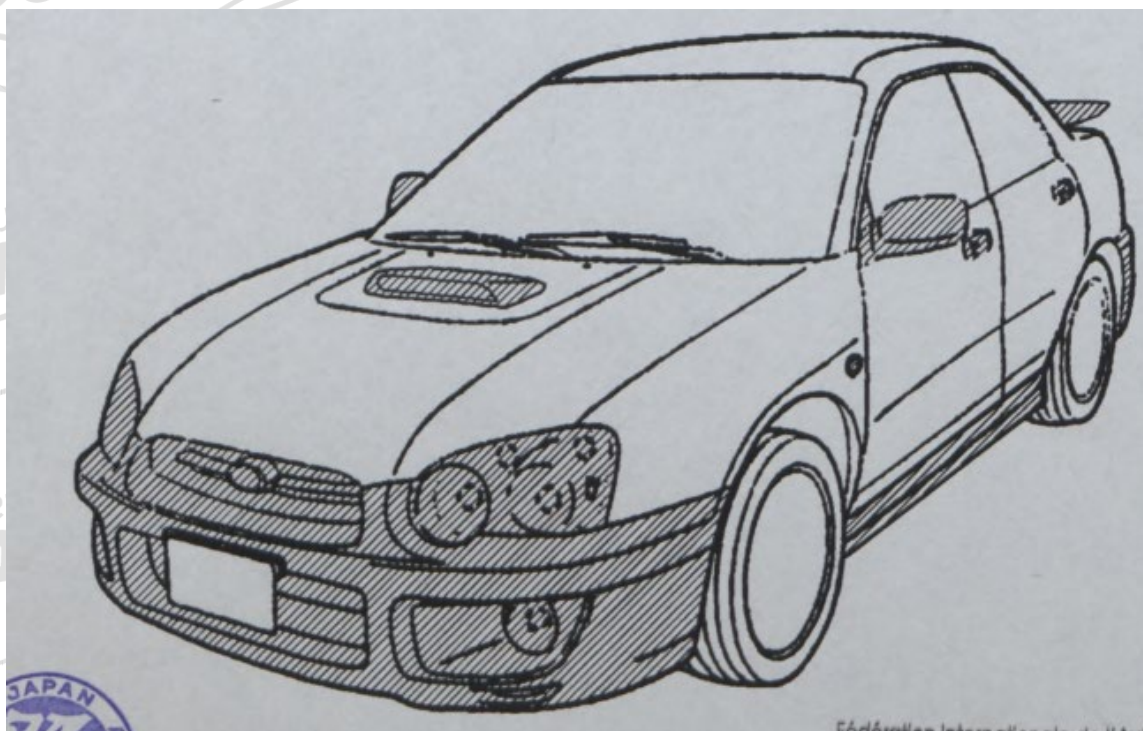
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
------------------------------	--

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

Number	Part	Material







COMPLEMENTARY INFORMATION

