

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 LTD

102. Commercial name(s) - Model and type

SUBARU WRX STI GK

103. Engine capacity

2457 cm³ Corrected engine capacity 2457 x 1.7 = 4176.90 cm³

104. Type of car construction

a) Type

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

b) Material of chassis / bodyshell

STEEL

106. Number of seats

5

2. DIMENSIONS, WEIGHT

Minimum Racing Weight

1470 kg

202. Overall length

4595 mm ± 1 %

203. Maximum overall width

1795 mm ± 1 % Where measured **FRONT FENDER**

204. Width of bodywork

a) At front axle **1795 mm ± 1 %**

b) At rear axle **1795 mm ± 1 %**

206. Wheelbase **2650 mm ± 1 %**

207. Maximum track

a) Front **1530 mm**

b) Rear **1540 mm**

3-17-003

Make Subaru

Model WRX STi GK

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

301. Location and position of the engine FRONT

302. Number of mounts 2

Engine in its compartment



304. Supercharging yes no

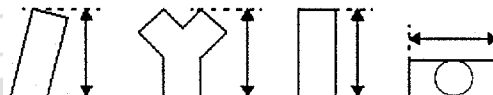
Maximum manifold pressure 1.31BAR

Type and number of compressors IHI RH, 1

305. Number and layout of cylinders 4, HORIZONTALLY

312. Cylinder block material ALUMINIUM ALLOY

310. Maximum compression ratio 8.2 : 1



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

314. Bore 99.5 +/- 0.1 mm

316. Stroke 79 +/- 0.1 mm

321. Cylinderhead a) Number 2 b) Material ALUMINIUM ALLOY

324. Fuel feed by injection : a) Make DENSO b) Model MPI

f) Position of Injectors:

f1) Manifold Cylinderhead

325. Camshaft a) Number 4 b) Location DOUBLE OVER HEAD CAM
c) Drive system BELT f) Type of valve operation DIRECT

327. Intake
a) Material of manifold ALUMINIUM ALLOY
b) Number of manifold elements 4 c) Number of valves per cylinder 2



Make **Subaru**Model **WRX STi GK**

3-17-003

328. Exhaust

- a) Material of manifold **CAST IRON**
 b) Number of manifold elements **2** d) Number of valves per cylinder **2**
 p) External Diameter of exhaust pipe between manifold and first silencer **130X82** mm ± 5%

330. Ignition system

- a) Type **TRANSISTORISED, INTEGRATED COILS**
 b) Number of plugs per cylinder c) Number of distributors **N/A** d) Number of coils **4**

331. Cooling systemCapacity **7.7** L

- 332. Cooling fan** a) Number **2** b) Diameter of the fan **320** mm
 c) Material of the fan **PLASTIC** d) Number of blades **5, 7**
 e) Type of drive **ELECTRICAL** f) Automatic cut in yes no

333. Lubrication system

- a) Type **WET SUMP** b) Number of oil pumps **1**
 c) Total capacity **5.5** L
 e) Location of the cooler(s) **BETWEEN CYLINDER BLOCK & OIL FILTER**
 f) Type of the cooler(s) **WATER**

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

- b) Location **UNDER THE REAR FLOOR**
 d) Total capacity **60** L

402. Fuel pump(s)

- a) Electrical Mechanical b) Number **1**

d) Location **INSIDE FUEL TANK** Fuel Pressure **43.5 PSI****5. ELECTRICAL EQUIPMENT****502. Alternator**

- a) Number **1** b) Type **ALTERNATOR**
 c) Drive system **BELT** d) Nominal power **130** Amp

503. Retractable headlights

- a) yes no b) Control system **N/A**

6. POWER TRAIN**601. Driven wheels**front yes no rear yes no**602. Clutch**

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

603. Gearbox

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

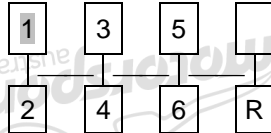
Make Subaru

Model WRX STi GK

3-17-003

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<u>3.636</u>	___	<u>X</u>
2	_____	<u>2.235</u>	___	<u>X</u>
3	_____	<u>1.59</u>	___	<u>X</u>
4	_____	<u>1.137</u>	___	<u>X</u>
5	_____	<u>0.891</u>	___	<u>X</u>
6	_____	<u>0.707</u>	___	<u>X</u>
R	_____	<u>3.545</u>	___	<u>X</u>
Constant	_____	_____	___	___

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

MULTI-MODE DRIVERS CONTROL CENTRE DIFFERENTIAL SYSTEM (DCCD)

605. Final drive

a) Type of final drive

HYPOID

HYPOID

b) Ratio

3.9

3.9

f) Oil Cooler

yes

X

no

yes

X

no

g) Cooler Type

N/A

N/A

606. Shafts

a) Type of longitudinal shafts

HOLLOW, UNIVERSAL JOINTS

b) Material of longitudinal shafts

STEEL

c) Type of transversal half-shafts

SOLID

d) Material of transversal half-shafts

STEEL



Make **Subaru**

Model **WRX STi GK**

3-17-003

7. SUSPENSION

701. General

	Front		Rear	
a) Type of suspension	<u>MCPHERSON STRUT TYPE</u>		<u>DOUBLE WISHBONE TYPE</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

705. Other type of suspension

See description on additional form

706. Stabiliser

	Front	Rear
b) Effective diameter	<u>24</u> mm	<u>20</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>19"</u>	<u>19"</u>
b) Width	<u>8.5"</u>	<u>8.5"</u>
c) Offset	<u>+55</u> mm	<u>+55</u> mm

803. Brakes

DUAL CIRCUIT HYDRAULIC BRAKE SYSTEM

a) Braking system

b) Number of master cylinders

TANDEM

c) Servo-brakes

yes no

c1) Make and type

TOKICO / VACUUM



Make Subaru

Model WRX STi GK

3-17-003

	Front	Rear
e) Number of cylinders per wheel	<u>6</u>	<u>2</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>30.0 ± 1 mm</u>	<u>20.0 ± 1 mm</u>
g5) External diameter of the disc	<u>340.0 ± 1.5 mm</u>	<u>326.0 ± 1.5 mm</u>
g9) Ventilated discs	X yes <input type="checkbox"/> no	X yes <input type="checkbox"/> no

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

h2) Location of lever **CENTRAL TUNNEL**

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

804. Steering

a) Type

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

b) Servo-assistance

Type of Assistance

9. BODYWORK

901. Interior

a) Ventilation

X yes	<input type="checkbox"/> no
X yes	<input type="checkbox"/> no

c) Air Conditioning

b) Heating

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

f) Optional sun roof

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

f1) Type

GLASS

f2)

Control system

ELECTRIC

g) Opening system for side windows

Front	Rear
<u>ELECTRICAL</u>	<u>ELECTRICAL</u>

X) Dashboard



Y) Sunroof



Make Subaru

Model WRX STi GK

3-17-003

902. Exterior

a) Number of doors **4**

b) Tailgate yes 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

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>POLYPROPYLENE</u>	<u>POLYPROPYLENE</u>

l) Material of bumper

POLYPROPYLENE

POLYPROPYLENE

n) Exterior Rear wiper

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

XIII) NON METALLIC PARTS OF THE BODY

Number	Part	Material
1	FRONT BUMPER	POLYPROPYLENE
2	BONNET SCOOP	POLYPROPYLENE
3	FRONT GRILL	POLYPROPYLENE
4	SIDE VIEW MIRRORS	POLYPROPYLENE
5	HEADLIGHTS	POLYPROPYLENE
6	SIDE SKIRTS	POLYPROPYLENE
7	DOOR HANDLES	POLYPROPYLENE
8	FRONT FENDER VENTS	POLYPROPYLENE
9	FOG LIGHT SURROUND	POLYPROPYLENE
10	REAR BUMPER	POLYPROPYLENE
11	REAR SPOILER	POLYPROPYLENE
12	TAILLIGHTS	POLYPROPYLENE



Make Subaru

Model WRX STi GK

Recognition N°

3-17-003





COMPLEMENTARY INFORMATION

The rear wing is a delete option on this vehicle.

