



FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Groupe / Group

A

Homologation N°

A-5758

JAF 公認番号 JA-228

JAF 発効日 2015年1月1日

FICHE D'HOMOLOGATION CONFORME A L'ANNEXE J DU CODE SPORTIF INTERNATIONAL HOMOLOGATION FORM IN ACCORDANCE WITH APPENDIX J OF THE INTERNATIONAL SPORTING CODE

Sauf indication contraire, toutes les dimensions sont indiquées en mm
Unless otherwise stated, all dimensions are specified in mm

Homologation valable à partir du
Homologation valid as from

01 FEV. 2015

NOT VALID IN GROUP A / ONLY VALID IN GROUP N

1. GENERALITES / GENERAL

101. CONSTRUCTEUR / MANUFACTURER

FUJI HEAVY INDUSTRIES LTD. (SUBARU)

102. MODELE ET TYPE / MODEL AND TYPE

- a) Modèle et type
Model and type **WRX STI 2015**
- b) Numéro de châssis type*
Typical chassis number* **VAB-******* (*=VARIABLE 6 DIGITS) * Pour information uniquement
* For information purposes only

103. CYLINDREE / CYLINDER CAPACITY

- Cylindrée totale
Cylinder capacity **1997.8** cm3 maximum
- Cylindrée corrigée
Corrected cylinder capacity **1997.8 X 1.7 = 3396.3** cm3 maximum



104. MODE DE CONSTRUCTION / TYPE OF CAR CONSTRUCTION

- a) Mode
Type **Séparée** **Monocoque**
Separated *Unitary construction*
- b) Matériau du châssis / coque
Material of chassis / bodyshell **STEEL**

105. NOMBRE DE VOLUMES / NUMBER OF VOLUMES

3

106. NOMBRE DE PLACES / NUMBER OF PLACES

5

A1) Voiture vue de 3/4 avant
Car seen from 3/4 front



A2) Voiture vue de 3/4 arrière
Car seen from 3/4 rear



2. DIMENSIONS, POIDS / DIMENSIONS, WEIGHT

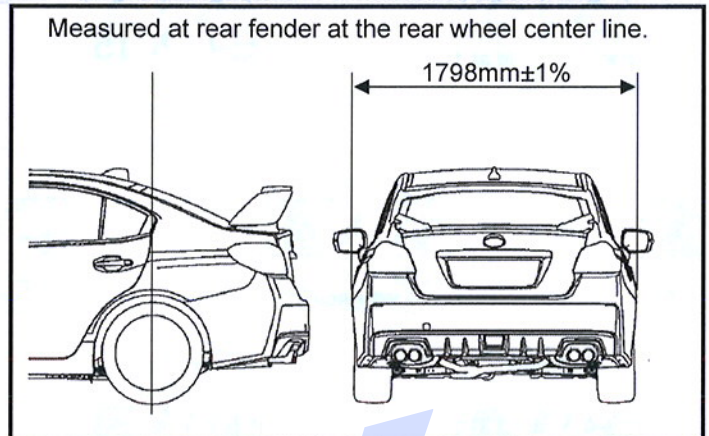
202. LONGUEUR HORS TOUT / OVERALL LENGTH

4595 mm ± 1%

203. LARGEUR HORS-TOUT / OVERALL WIDTH

1798 mm ± 1%

II-A1) Endroit de mesure / Where measured



204. LARGEUR DE CARROSSERIE / WIDTH OF BODYWORK

- | | | |
|--|------|---------|
| a) A l'axe d'essieu avant
At front axle centreline | 1795 | mm ± 1% |
| b) A l'axe d'essieu arrière
At rear axle centreline | 1798 | mm ± 1% |

206. EMPATTEMENT / WHEELBASE

2650 mm ± 1%

209. PORTE-A-FAUX / OVERHANG

- | | | |
|-------------------|-----|--------|
| a) Avant / Front | 955 | ± 10mm |
| b) Arrière / Rear | 990 | ± 10mm |



Marque
Make **FUJI (SUBARU)**

Modèle
Model **WRX STI 2015**

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3. MOTEUR / ENGINE

301. EMPLACEMENT ET POSITION DU MOTEUR / LOCATION AND POSITION OF THE ENGINE

a) Emplacement et orientation <i>Location and orientation</i>	FRONT			
b) Position <i>Position</i>	X =	79	± 5 mm] Voir schéma / See scheme III-A1)
	Y =	420	± 5 mm	
	Z =	55	± 3 mm	
c) Inclinaison <i>Inclination</i>		5.8	deg ± 30'	

303. CYCLE / CYCLE

4 STROKE, OTTO

304. SURALIMENTATION / SUPERCHARGING

Oui / Yes



Non / No



Type et nombre de compresseurs
Type and number of compressors

IHI RH, 1

305. NOMBRE ET DISPOSITION DES CYLINDRES / NUMBER AND LAYOUT OF CYLINDERS

4, HORIZONTALLY OPPOSITE

306. MODE DE REFROIDISSEMENT / TYPE OF COOLING

LIQUID

307. CYLINDREE / CYLINDER CAPACITY

a) Unitaire <i>Unitary</i>	499.5	cm3 maximum					
b) Totale <i>Total</i>	1997.8	cm3 maximum					
b1) Totale corrigée <i>Total corrected</i>	1997.8	X	1.7	=	3396.3	cm3 maximum	
c) Totale maximum autorisée <i>Maximum total allowed</i>	3440.8	cm3	NON VALABLE EN GROUPE N / NOT VALID IN GROUP N				

314. ALESAGE / BORE

92.02 +0
- 0.1 mm

315. ALESAGE MAXIMUM AUTORISE / MAXIMUM BORE ALLOWED

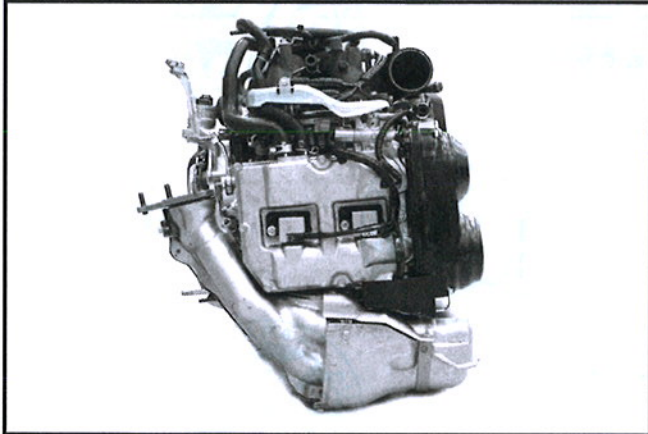
92.62 mm **NON VALABLE EN GROUPE N / NOT VALID IN GROUP N**

316. COURSE / STROKE

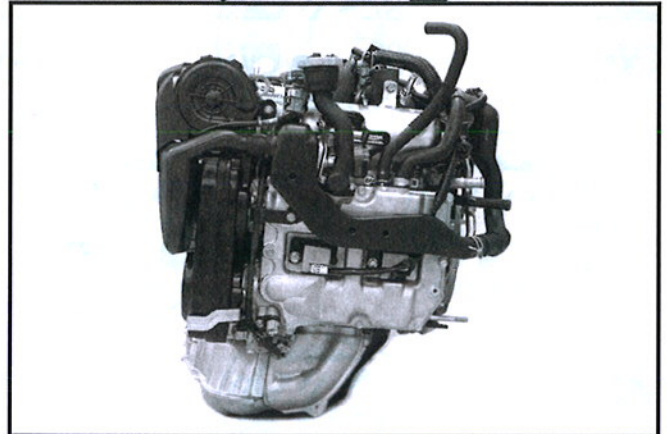
75.1 +0
- 0.1 mm



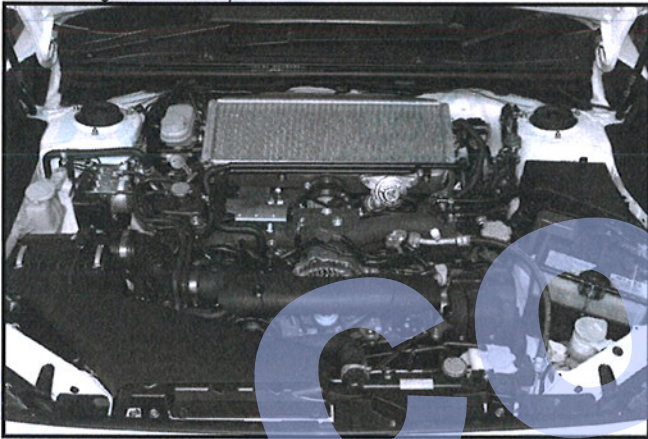
C1-1) Moteur déposé – vu de profil
 Dismounted engine – seen from the side



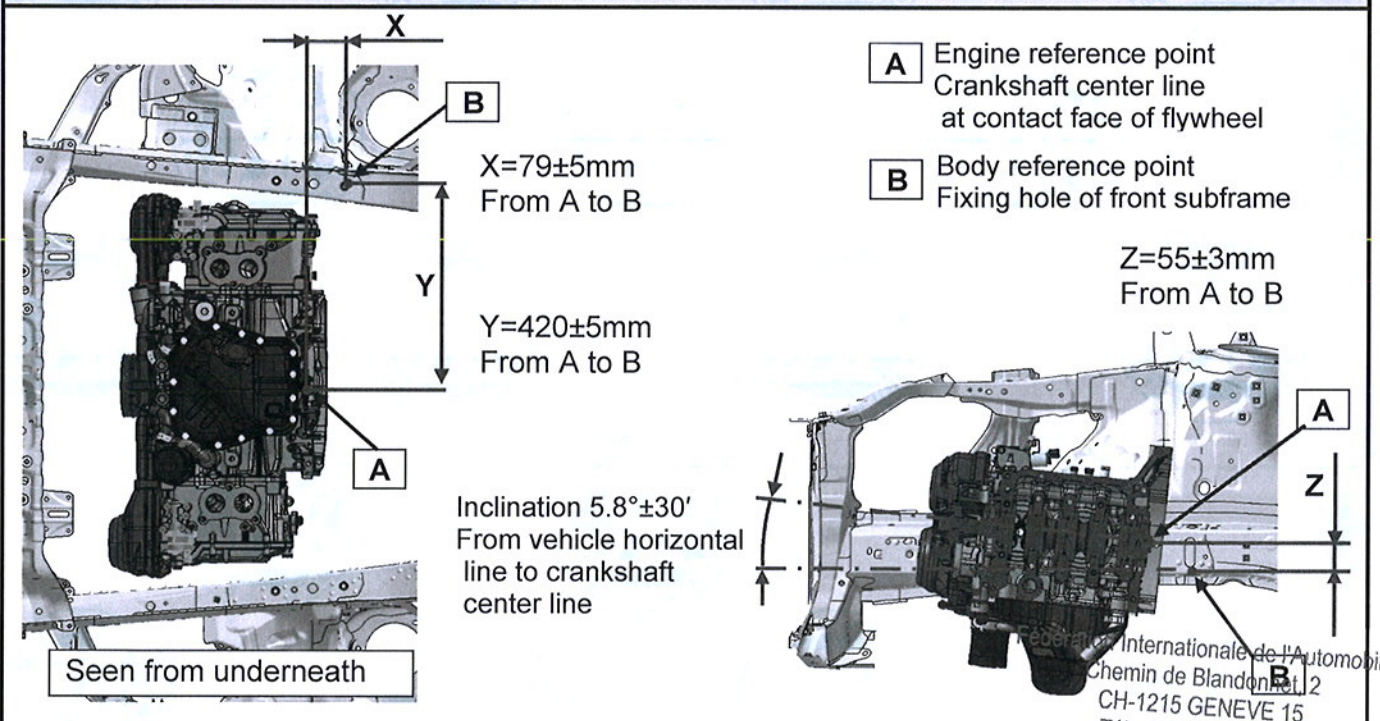
C1-2) Moteur déposé – vu de profil
 Dismounted engine – seen from the side



C1-5) Moteur dans son compartiment
 Engine in its compartment



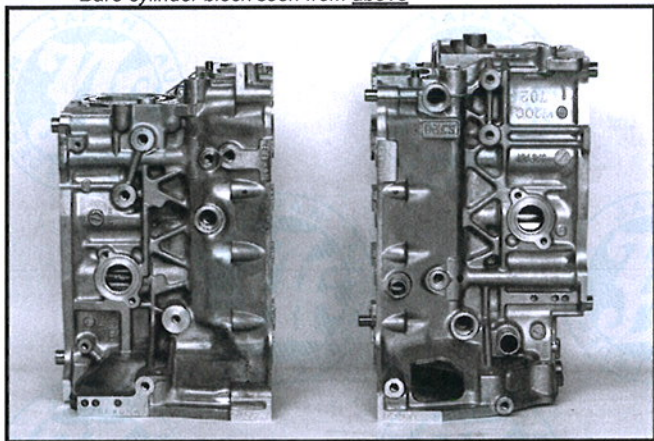
III-A1) POSITION DU MOTEUR / POSITION OF THE ENGINE



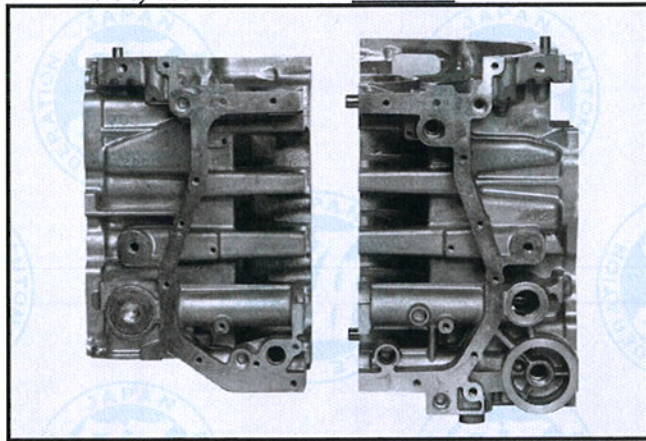
311. **BLOC-CYLINDRES / CYLINDER BLOCK**

a) Matériau
Material **ALUMINIUM ALLOY**

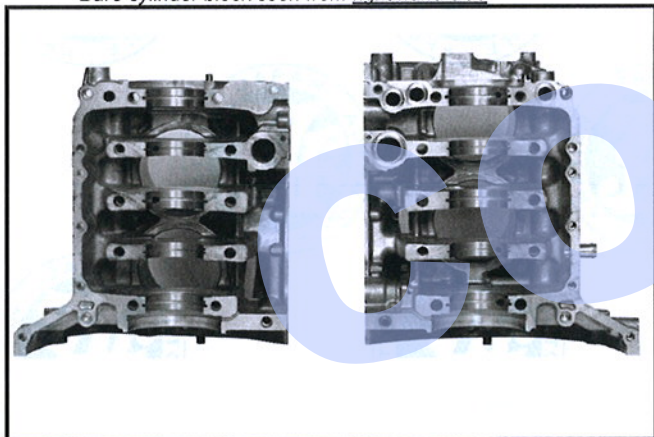
C3-1) Bloc-cylindre nu vu de dessus
Bare cylinder block seen from above



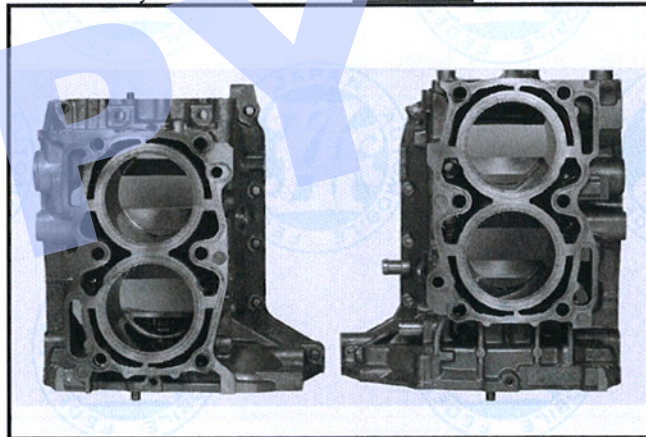
C3-2) Bloc-cylindre nu vu de dessous
Bare cylinder block seen from underneath



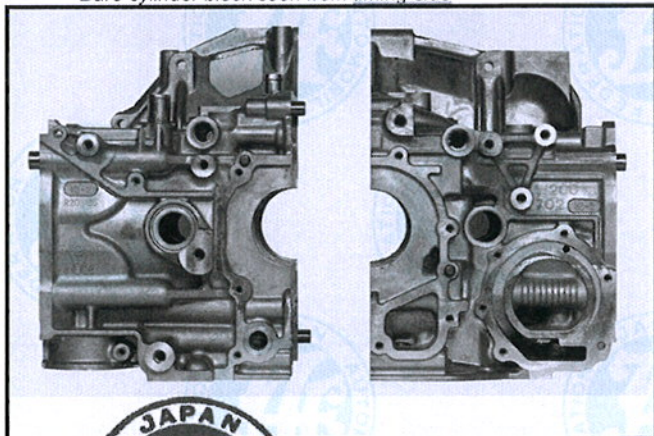
C3-3) Bloc-cylindre nu vu côté droit
Bare cylinder block seen from right hand side



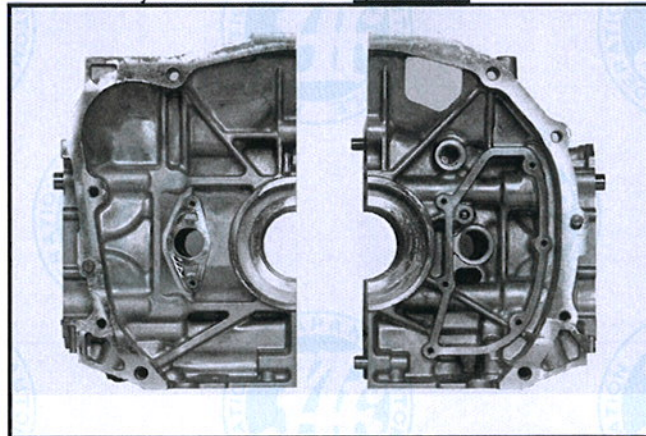
C3-4) Bloc-cylindre nu vu de côté gauche
Bare cylinder block seen from left hand side



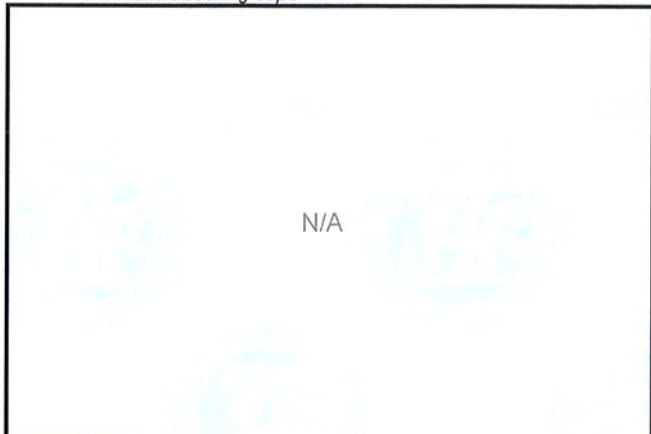
C3-5) Bloc-cylindre nu vu côté distribution
Bare cylinder block seen from timing side



C3-6) Bloc-cylindre nu vu de côté volant moteur
Bare cylinder block seen from flywheel side



C3-7) Chapeaux de paliers de vilebrequin
 Crankshaft bearing caps



313. CHEMISES / SLEEVES

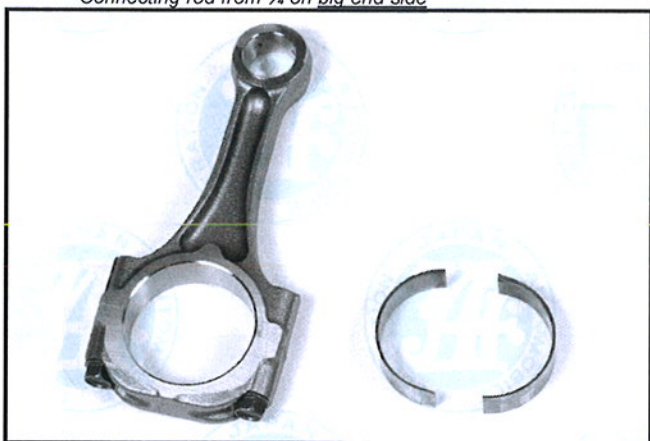
- | | | |
|---|--|---|
| a) Bloc cylindres chemisé
Sleeved cylinder block | Oui / Yes
<input type="checkbox"/> | Non / No
<input checked="" type="checkbox"/> |
| c) Type
Type | Humides
Wet
<input type="checkbox"/> | Sèches
Dry
<input type="checkbox"/> |

318. BIELLE / CONNECTING ROD

- | | | | |
|---|--------------|--|-----------------|
| a) Matériau
Material | STEEL | b) Type de la tête de bielle
Big end type | SEPARATE |
| c) Diamètre intérieur de la tête de bielle (sans coussinets)
Interior diameter of the big end (without shell bearings) | | 54.95 | +0.1
- 0 mm |
| d) Longueur entre axes
Length between axes | 130.5 | | ± 0.1 mm |
| e) Poids minimum
Minimum weight | 572 | | 9 |

Avec chapeau, boulons et coussinets
With cap, bolts and shell bearings

C5-1) Bielle de ¼ côté tête
 Connecting rod from ¼ on big end side



C5-2) Bielle de ¼ arrière côté pied
 Connecting rod from ¼ rear on small end side



Marque
Make

FUJI (SUBARU)

Modèle
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WRX STI 2015

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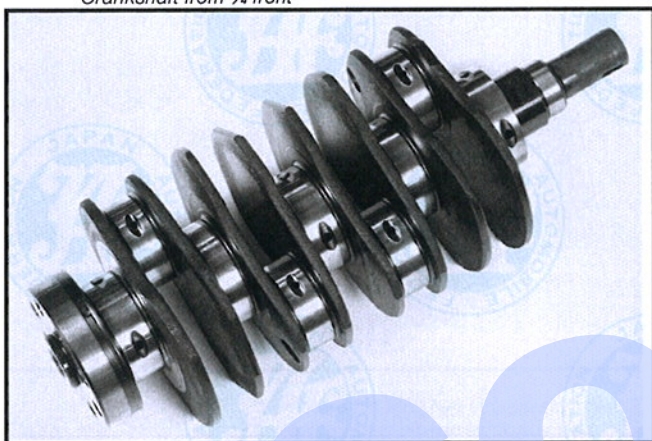
A-5758

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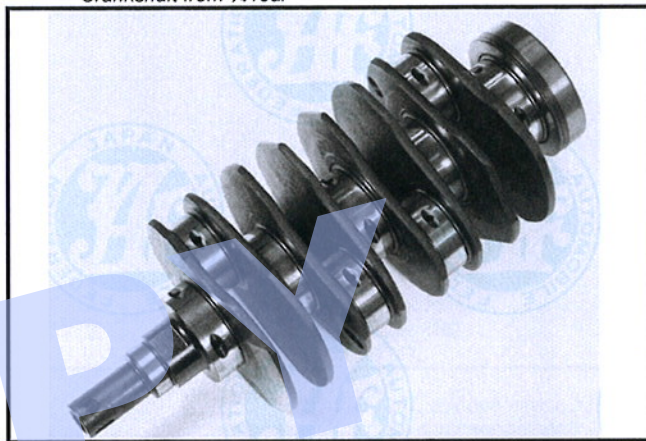
319. VILEBREQUIN / CRANKSHAFT

a) Type de construction <i>Type of manufacture</i>	SINGLE PIECE	b) Matériau <i>Material</i>	STEEL
c) Procédé de fabrication <i>Manufacturing process</i>	Coulé <input type="checkbox"/> Cast	Forgé <input checked="" type="checkbox"/> Forged	
d) Nombre de paliers <i>Number of bearings</i>	5	e) Type de paliers <i>Type of bearings</i>	PLAIN
f) Diamètre des paliers <i>Diameter of bearings</i>	64.05	+0 - 0.1 mm	
g) Matériau des chapeaux de paliers <i>Bearing caps material</i>	N/A	h) Poids min. du vilebrequin nu <i>Min. weight of bare crankshaft</i>	9000 g

C6-1) Vilebrequin de ¼ avant
Crankshaft from ¼ front



C6-2) Vilebrequin de ¼ arrière
Crankshaft from ¼ rear

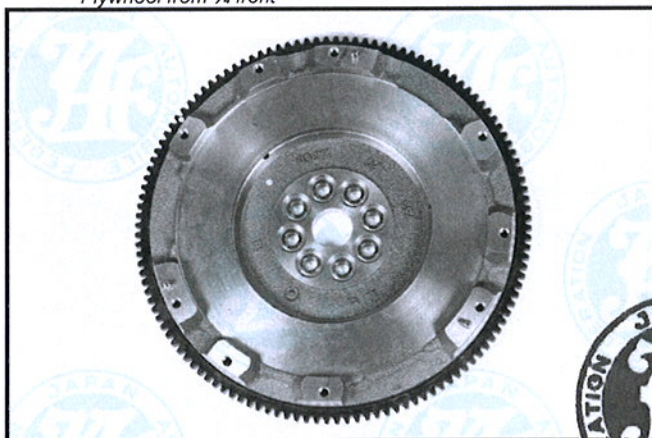


320. VOLANT MOTEUR / FLYWHEEL

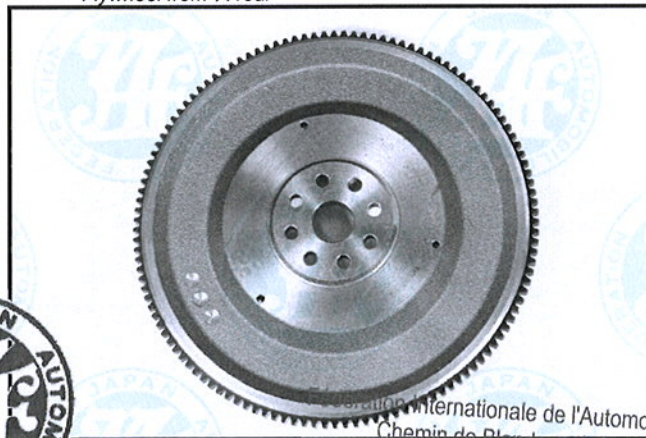
- a) Matériau
Material
- b) Poids minimum avec couronne de démarreur
Minimum weight with starter ring
- Avec fixations et couronne de démarreur
With fixings and starter ring

Boîte Manuelle <i>Manual Gearbox</i>	Boîte Automatique <i>Automatic Gearbox</i>
CAST-IRON	N/A
8681 g	N/A g
Utilisable uniquement avec boîte de vitesses automatique May be used with automatic gearbox only	

C7-1) Volant moteur de ¼ avant
Flywheel from ¼ front



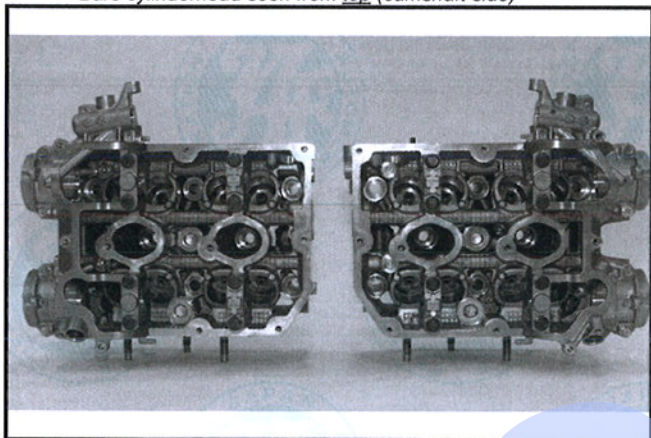
C7-2) Volant moteur de ¼ rear
Flywheel from ¼ rear



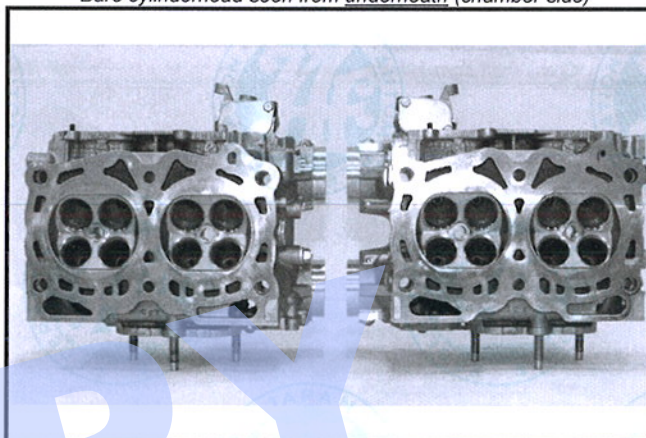
321. CULASSE / CYLINDERHEAD

- | | | |
|---|-----------------|---------|
| a) Nombre
Number | 2 | |
| b) Matériau
Material | ALUMINIUM ALLOY | |
| e) Angle entre soupape d'admission et plan de joint culasse
Angle between intake valve and cylinder head gasket plane | 20.5 | deg+30' |
| f) Angle entre soupape d'échappement et plan de joint culasse
Angle between exhaust valve and cylinder head gasket plane | 20.5 | deg+30' |

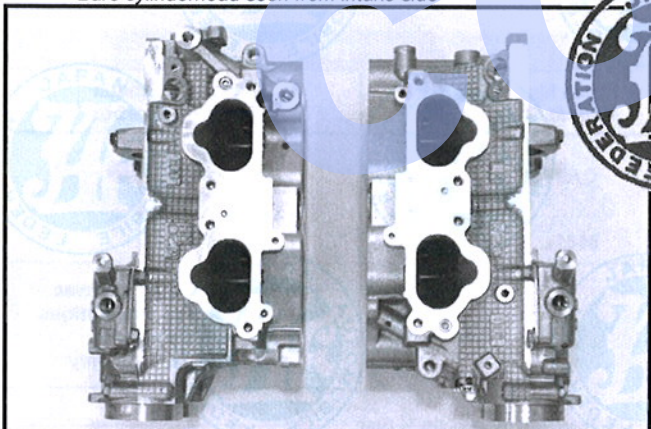
C8-1) Culasse nue vue de dessus (côté arbres à cames)
Bare cylinderhead seen from top (camshaft side)



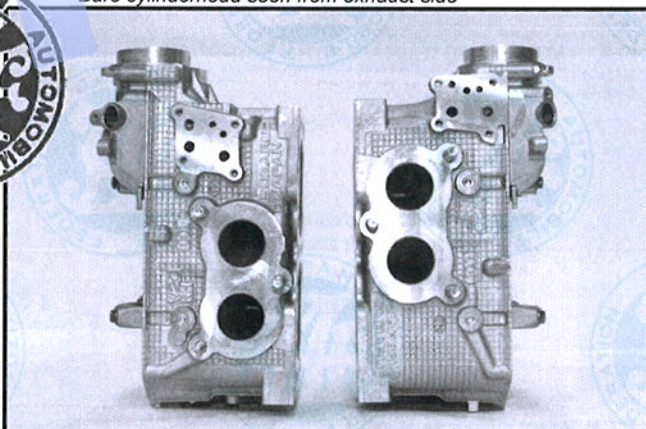
C8-2) Culasse nue vue de dessous (côté chambre)
Bare cylinderhead seen from underneath (chamber side)



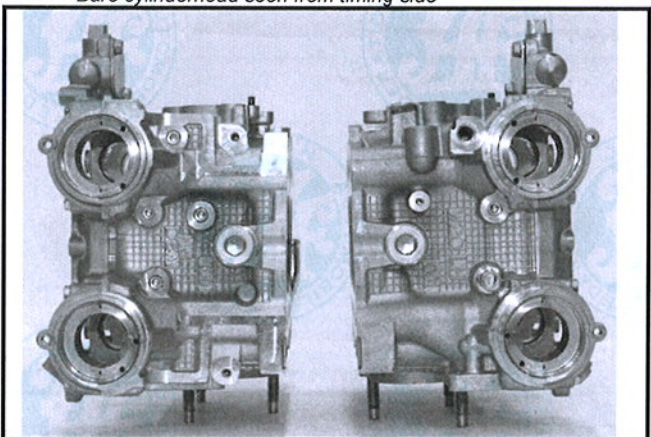
C8-3) Culasse nue vue côté admission
Bare cylinderhead seen from intake side



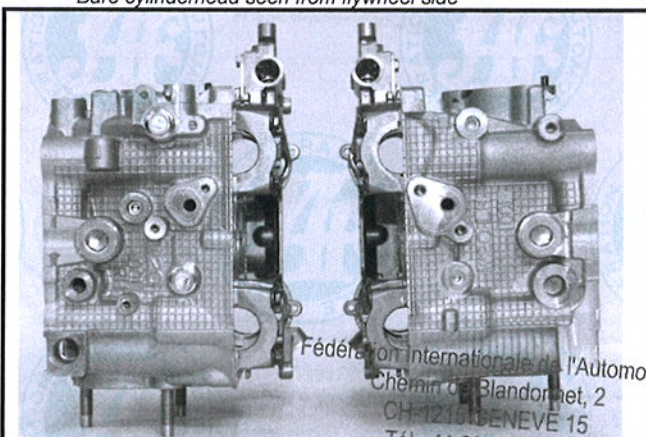
C8-4) Culasse nue vue côté échappement
Bare cylinderhead seen from exhaust side



C8-5) Culasse nue vue côté distribution
Bare cylinderhead seen from timing side



C8-6) Culasse nue vue côté volant moteur
Bare cylinderhead seen from flywheel side



Marque
Make **FUJI (SUBARU)**

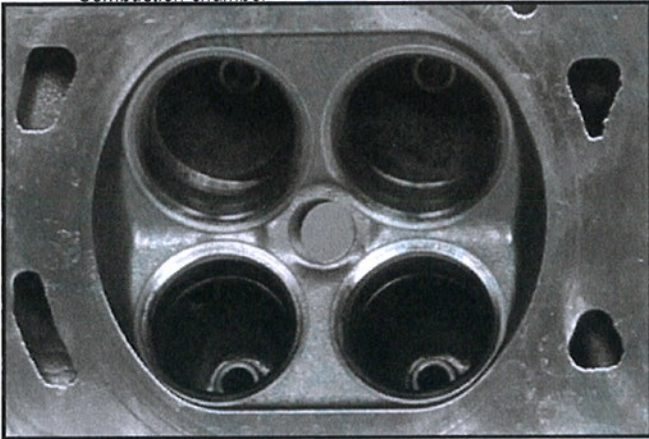
Modèle
Model **WRX STI 2015**

Homologation N°

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JAF 公認番号 **JA-228**

C8-7) Chambre de combustion
Combustion chamber



COPY



Marque
Make

FUJI (SUBARU)

Modèle
Model

WRX STI 2015

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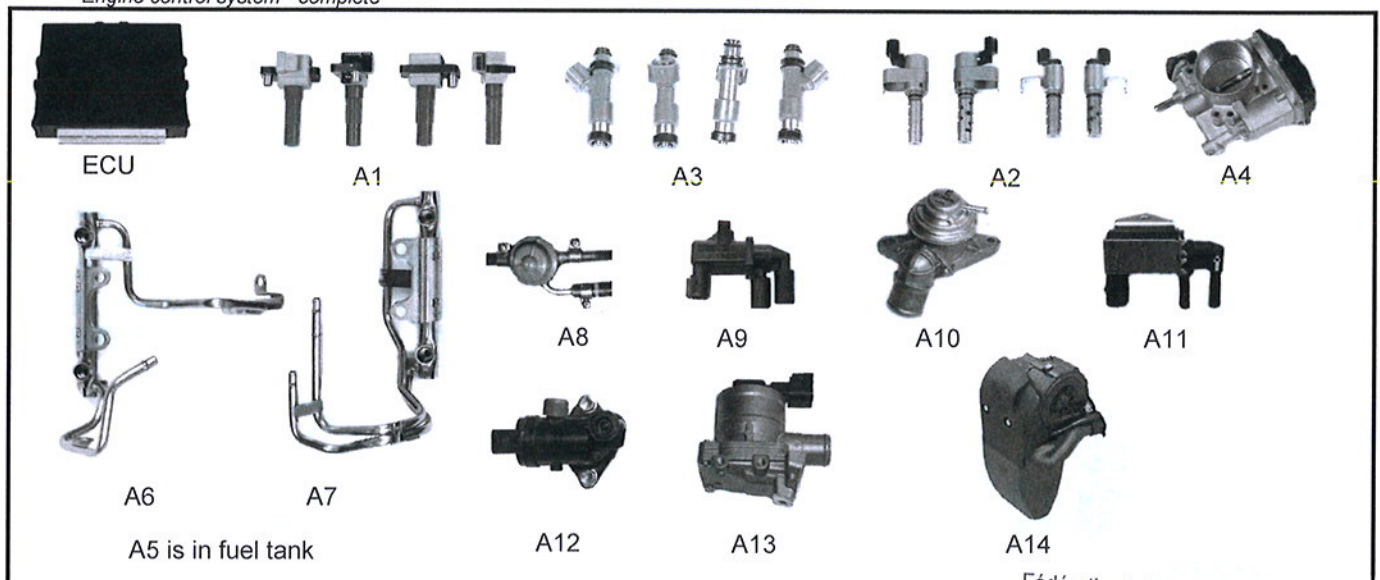
JAF 公認番号 **JA-228**

324. SYSTEME DE CONTROLE MOTEUR / ENGINE CONTROL SYSTEM

a) Marque et type Make and type	DENSO CORPORATION	Injection - Direct <input type="checkbox"/>	Injection - Indirect <input checked="" type="checkbox"/>
b) Modèle Model	MPI		
c) Dosage du carburant Fuel measurement	Mécanique / Mechanical <input type="checkbox"/>	Electronique / Electronic <input checked="" type="checkbox"/>	Hydraulique / Hydraulic <input type="checkbox"/>
e) Nombre de sorties effectives de carburant Number of effective fuel outlets		4	
f) Injecteurs Injectors	f1) Position Position	Collecteur / Manifold <input checked="" type="checkbox"/>	Culasse / Cylinder head <input type="checkbox"/>
g) Liste des capteurs du système de contrôle moteur List of engine control system sensors			
<u>C1</u> Crank position (1x)	<u>C6</u> Manifold pressure (1x)	<u>C11</u> Second air pressure (1x)	
<u>C2</u> Intake camshaft (2x)	<u>C7</u> Air fuel ration (1x)	<u>C12</u> Tumble generator valve (2x)	
<u>C3</u> Exhaust camshaft (2x)	<u>C8</u> Oxygen (1x)	<u>C13</u>	
<u>C4</u> Knock (1x)	<u>C9</u> Air flow air temperature (1x)	<u>C14</u>	
<u>C5</u> Water temperature (1x)	<u>C10</u> Air charge temperature (1x)	<u>C15</u>	
h) Liste des actuateurs du système de contrôle moteur List of engine control system actuators			
<u>A1</u> Ignition coil (4x)	<u>A6</u> Fuel rail RH	<u>A11</u> PCV valve	
<u>A2</u> AVCS oil control valve (4x)	<u>A7</u> Fuel rail LH	<u>A12</u> Tumble generator valve (2x)	
<u>A3</u> Injector (4x)	<u>A8</u> Pressure regulator	<u>A13</u> Second air combination valve (2x)	
<u>A4</u> Electric throttle body	<u>A9</u> Boost solenoid valve	<u>A14</u> Second air pump	
<u>A5</u> Fuel pump	<u>A10</u> Air by pass valve	<u>A15</u>	

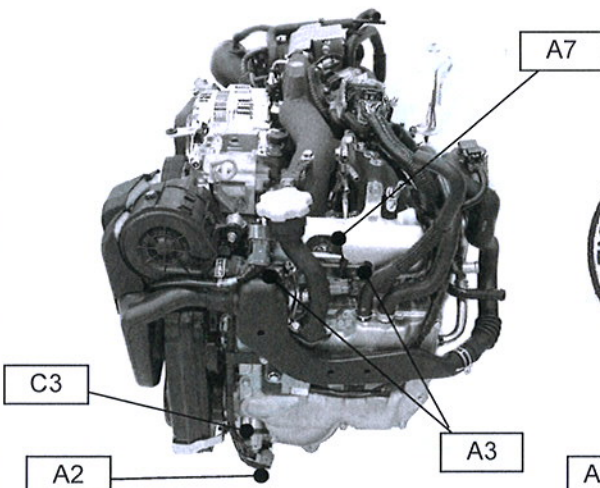
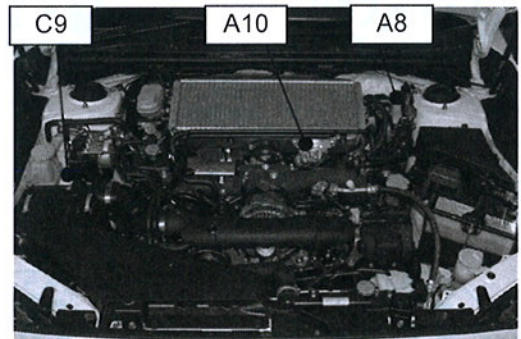
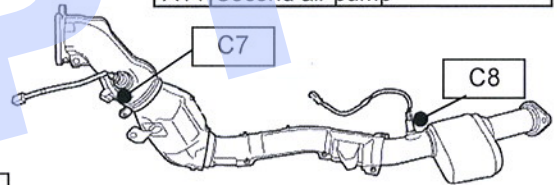
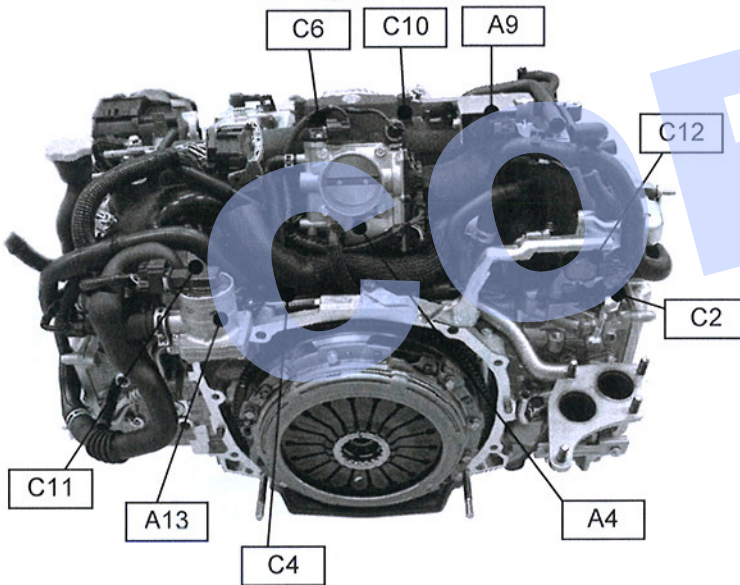
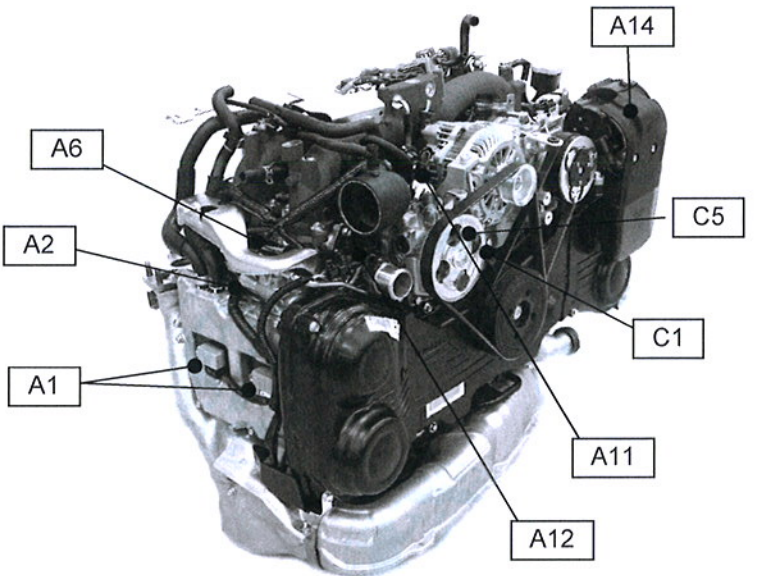


C9-1) Système de contrôle moteur - complet
Engine control system - complete

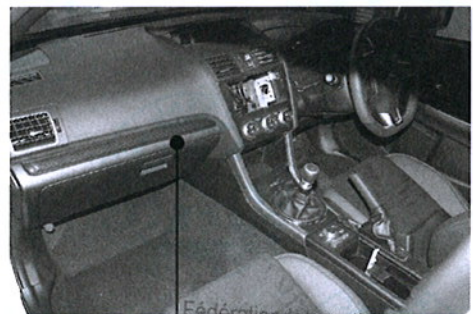


Fédération Internationale de l'Automobile
Chemin de Blandonnet, 2
CH-1215 GENEVE 15
Tél.: 41 22 544 44 00
Fax Sport: 41 22 741 44 98

III-II) LOCALISATION DES CAPTEURS ET ACTIONNEURS / LOCATION OF SENSORS AND ACTUATORS



A5 is in fuel tank.



Fédération Internationale de l'Automobile
 Chemin de Blandonnet, 2
 CH-1215 GENEVE 15
 Tél.: 41 22 544 44 00
 Fax Sport: 41 22 544 44 99

C1	Crank position sensor
C2	Intake camshaft sensor
C3	Exhaust camshaft sensor
C4	Knock sensor
C5	Water temperature sensor
C6	Manifold pressure sensor
C7	Air fuel ration sensor
C8	Oxygen sensor
C9	Air flow air temperature sensor
C10	Air charge temperature sensor
C11	Second air pressure sensor
C12	Tumble generator valve sensor
A1	Ignition coil
A2	AVCS oil control valve
A3	Injector
A4	Electric throttle chamber
A5	Fuel pump
A6	Fuel rail RH
A7	Fuel rail LH
A8	Pressure regulator
A9	Boost solenoid valve
A10	Air by pass valve
A11	PCV valve
A12	Tumble generator valve
A13	Second air combination valve
A14	Second air pump

325. ARBRE A CAMES / CAMSHAFT

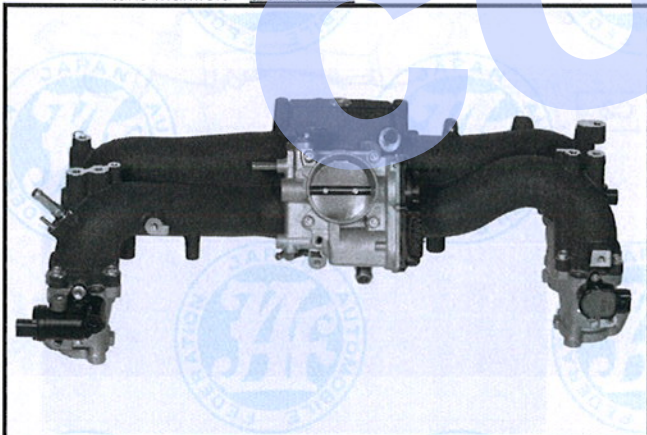
a) Nombre Number	4	b) Emplacement Location	DOUBLE OVER HEAD CAM
c) Système d'entraînement Drive system	BELT	d) Nombre de paliers par arbre Number of bearings per shaft	3
f) Système de commande de soupapes Type of valve operation system	DIRECT		

327. ADMISSION / INTAKE

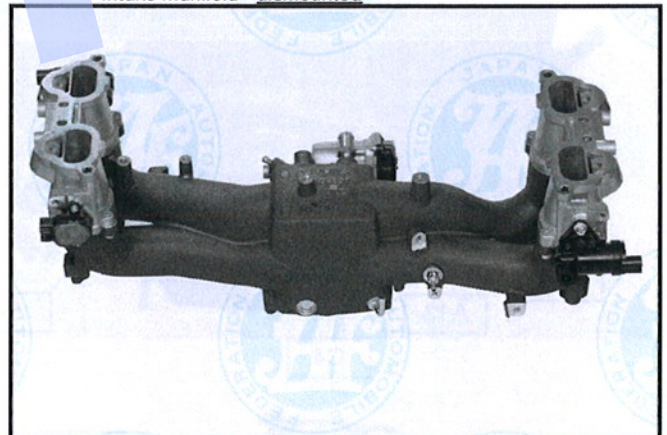
a) Matériau du collecteur Material of manifold	ALUMINIUM ALLOY		
b) Nombre d'éléments du collecteur Number of manifold elements	4		
b3) Dimensions du conduit d'admission au niveau du papillon Dimensions of the intake pipe at the throttle valve	60.05	± 0.25 mm	
c) Nombre de soupapes par cylindre Number of valves per cylinder	2		
d) Diamètre max. de tête de soupape Maximum diameter of the valve head	36.2	mm	d1) Angle de la tête de soupape Angle of valve head
e) Diamètre tige de soupape dans guide Diameter of valve stem in guide	6.0	+0 -0.2 mm	45 deg ±30'
f) Longueur de soupape Valve length	104.4	± 1.5 mm	
g) Type des ressorts de soupape Type of valve springs	COIL		



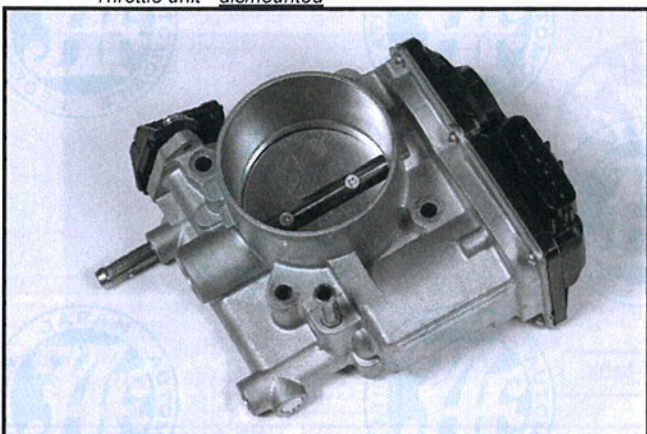
C11-1) Collecteur d'admission - déposé
 Intake manifold - dismounted



C11-2) Collecteur d'admission - déposé
 Intake manifold - dismounted



C11-3) Boitier papillon - déposé
 Throttle unit - dismounted



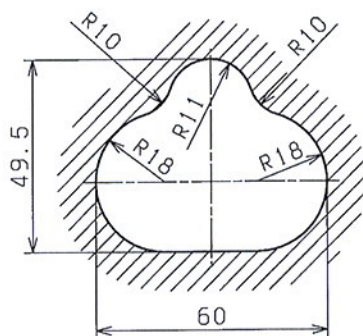
C11-4) Boitier papillon - déposé
 Throttle unit - dismounted



ADMISSION / INTAKE

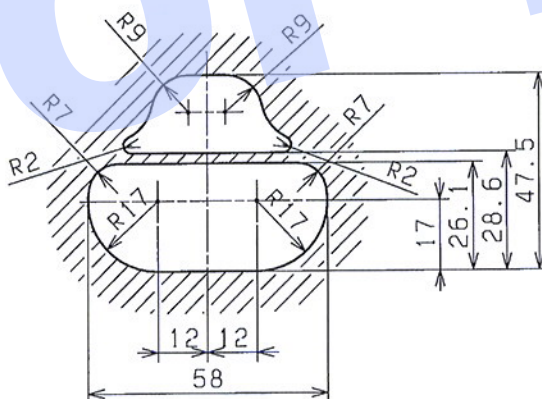
Dessins des orifices du moteur
Drawings of engine ports

III-K1) Culasse, face collecteur / Cylinderhead, manifold side



Dimensions en mm, tolérances -2%, +4%
Dimensions in mm, tolerances -2%, +4%

III-K2) Collecteur, côté culasse / Manifold, cylinderhead side



Dimensions en mm, tolérances -2%, +4%
Dimensions in mm, tolerances -2%, +4%



Marque
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Modèle
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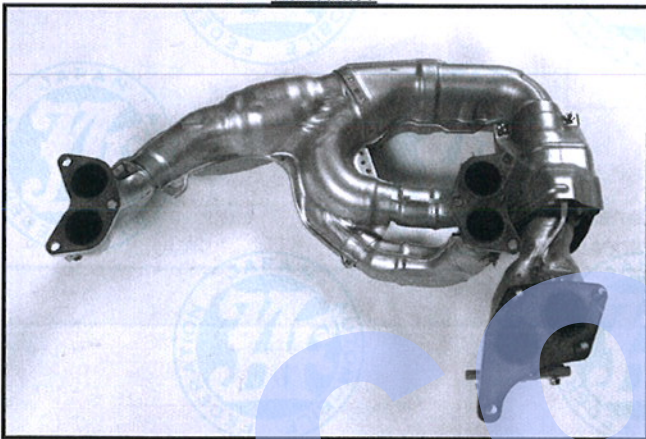
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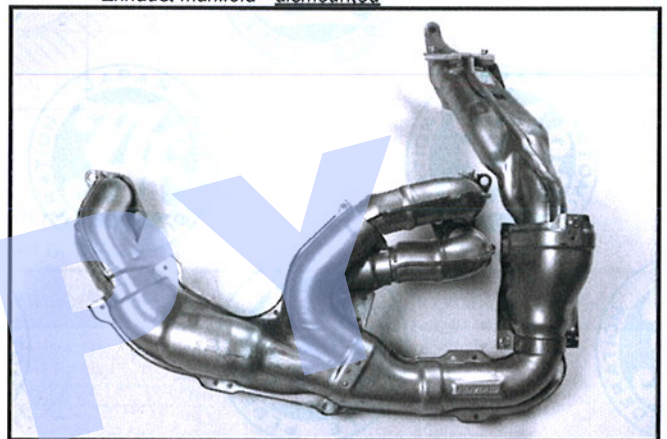
328. ECHAPPEMENT / EXHAUST

a) Matériau du collecteur <i>Material of manifold</i>	STEEL	b) Nombre d'éléments du collecteur <i>Number of manifold elements</i>	2			
c) Dimensions intérieures sortie collecteur <i>Internal dimensions of manifold exit</i>	39		± 2.0 mm			
d) Nombre de soupapes par cylindre <i>Number of valves per cylinder</i>	2					
e) Diamètre maximum de soupape <i>Maximum diameter of the valve</i>	32.2	mm	e1) Angle de la tête de soupape <i>Angle of valve head</i>	45	deg	±30'
f) Diamètre tige de soupape dans guide <i>Diameter of valve stem in guide</i>	6.0	+0 -0.2 mm	g) Longueur de soupape <i>Valve length</i>	104.65		± 1.5 mm
h) Type des ressorts de soupape <i>Type of valve springs</i>	COIL					

C12-1) Collecteur d'échappement - déposé
Exhaust manifold - dismounted



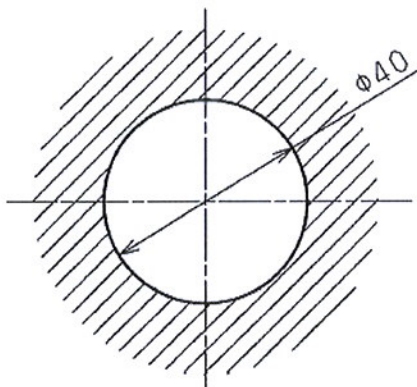
C12-2) Collecteur d'échappement - déposé
Exhaust manifold - dismounted



ECHAPPEMENT / EXHAUST

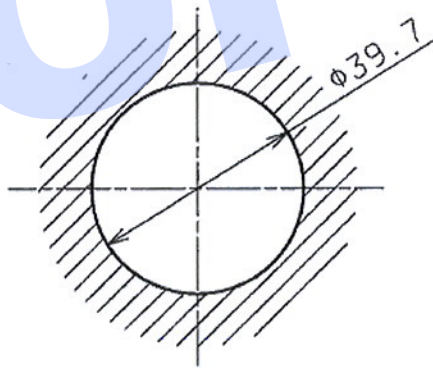
Dessins des orifices du moteur Drawings of engine ports

III-L1) Culasse, face collecteur / Cylinderhead, manifold side



Dimensions en mm, tolérances -2%, +4%
Dimensions in mm, tolerances -2%, +4%

III-L2) Collecteur, côté culasse / Manifold, cylinderhead side



Dimensions en mm, tolérances -2%, +4%
Dimensions in mm, tolerances -2%, +4%

330. SYSTEME D'ALLUMAGE / IGNITION SYSTEM

- | | |
|---|-----|
| b) Nombre de bougies par cylindre
Number of plugs per cylinder | 1 |
| c) Nombre de distributeurs
Number of distributors | N/A |



333. SYSTEME DE LUBRIFICATION / LUBRICATION SYSTEM

- | | |
|--|----------|
| a) Type
Type | WET SUMP |
| b) Nombre de pompes à huile
Number of oil pumps | 1 |

334. SURALIMENTATION / SUPERCHARGING

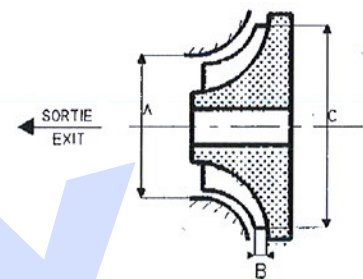
- a) Marque et type du turbocompresseur
Make and type of the turbocharger **IHI , RH**
- b) Carter de turbine
Turbine housing
- b1) Nombre d'entrées des gaz d'échappement
Number of exhaust gas entries **2**
- b2) Matériau
Material **CAST-IRON**
- c) Roue de turbine
Turbine wheel
- c1) Matériau
Material **NICKEL/CHROME ALLOY**
- c2) Nombre d'aubes
Number of blades **11**
- c3) Hauteur(s) des aubes
Height(s) of blades **22.8 ± 0.5 mm**
- c4) Cotes A, B, C, selon le schéma
Dimensions A, B, C, according to the sketch

A = 49.1 ± 0.4 mm

B = 9.4 ± 0.5 mm

C = 53.0(new) ± 0.3 mm

53.4(used) ± 0.3 mm



Oui / Yes

Non / No

- d) Carter de compression
Impeller housing

- d1) Nombre d'entrées d'air (mélange)
Number of air entries (mixture) **1**

- d2) Matériau
Material **ALUMINIUM ALLOY**

- e) Roue de compression
Impeller wheel

- e1) Matériau
Material **ALUMINIUM ALLOY**

- e2) Nombre d'aubes
Number of blades **12**

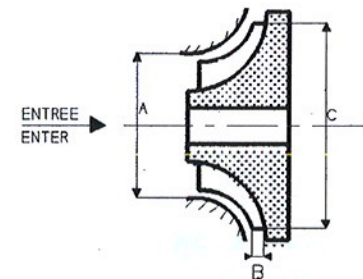
- e3) Hauteur(s) des aubes
Height(s) of blades **6 blades of 24.1 ± 0.5 mm**
6 blades of 14.1 ± 0.5 mm

- e4) Cotes A, B, C, selon le schéma
Dimensions A, B, C, according to the sketch

A = 47.1 ± 0.4 mm

B = 5.6 ± 0.5 mm

C = 60.0 ± 0.4 mm



Oui / Yes

Non / No

- e5) Aubes variables
Variable blades



Marque
Make

FUJI (SUBARU)

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Model

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f) Régulation de la pression
Pressure regulation

f1) Type de régulation de la pression
Type of pressure adjustment

By-pass



Soupape de décharge
Relief valve



Autre
Other



f2) Type de la soupape
Type of pressure adjustment

DIAPHRAGM

g) Système d'échappement
Exhaust system

g1) Dimensions intérieures des éventuels tuyaux entre collecteur et turbocompresseur
Internal dimensions of the possible pipes between manifold and turbocharger

N/A ± 2mm

h) Refroidissement de l'air d'admission
Cooling of intake air

h1)

Oui / Yes



Non / No



Air/Air



Air/Eau
Air/Water



Simple-passe
Single-flow



Double-passe
Double-flow



h2) Système
System

h3) Diamètre de l'entrée d'air
Air inlet diameter

60 x 2

± 1mm

h4) Diamètre de la sortie d'air
Air outlet diameter

65

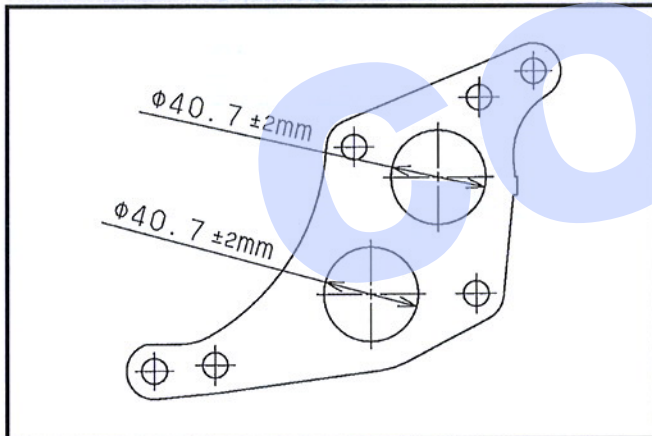
± 1mm

i) Pression absolue de suralimentation maximum
Maximum absolute supercharging pressure

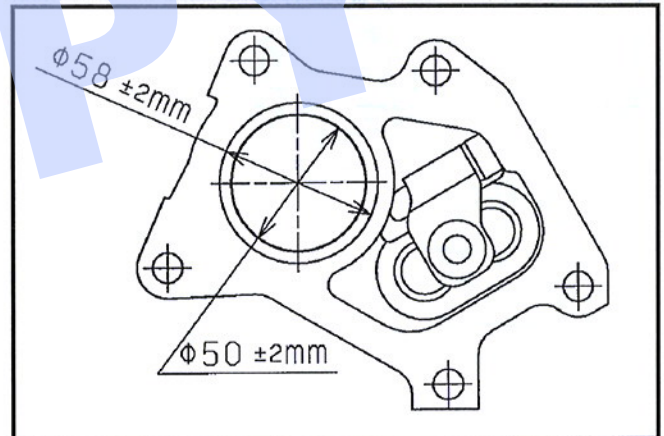
3000

mbar

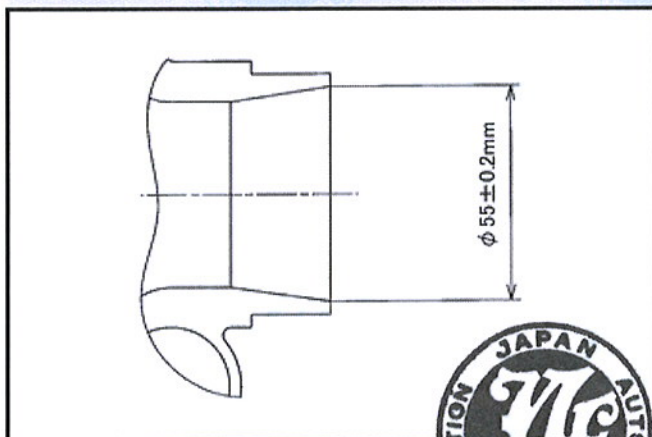
III-01) Entrée des gaz d'échappement dans carter de turbine
Exhaust gas inlet to the turbine housing



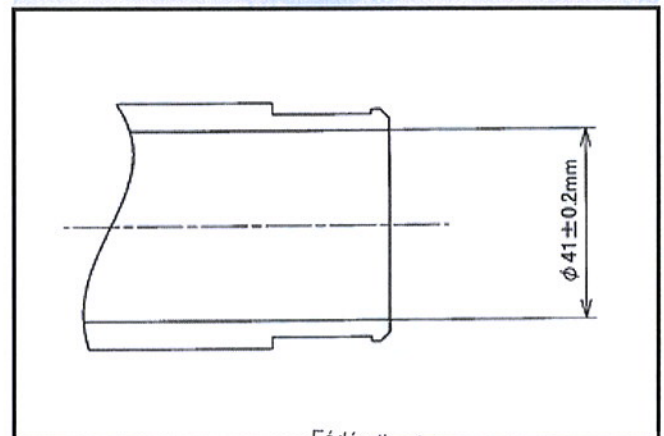
III-02) Sortie des gaz d'échappement du carter de turbine
Exhaust gas outlet from the turbine housing



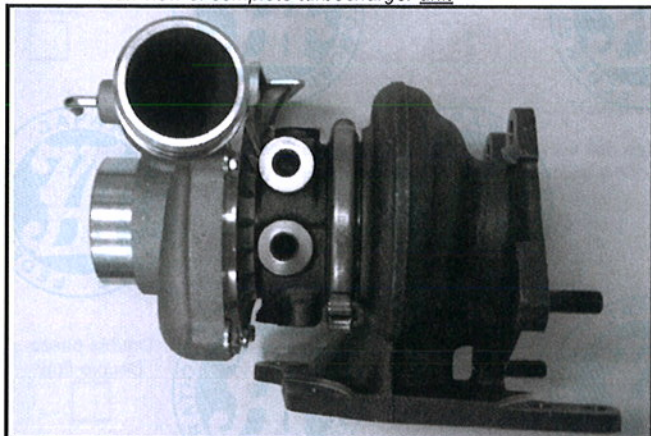
III-03) Entrée d'air (mélange) dans carter de compresseur
Air (gas) inlet to the compressor housing



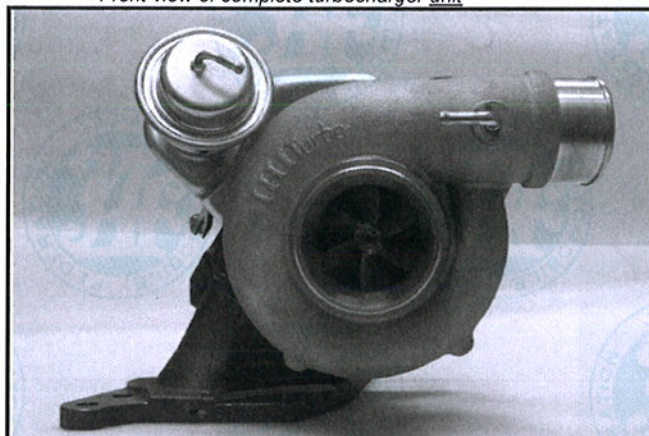
III-04) Sortie d'air (mélange) du carter de compresseur
Air (gas) outlet from the compressor housing



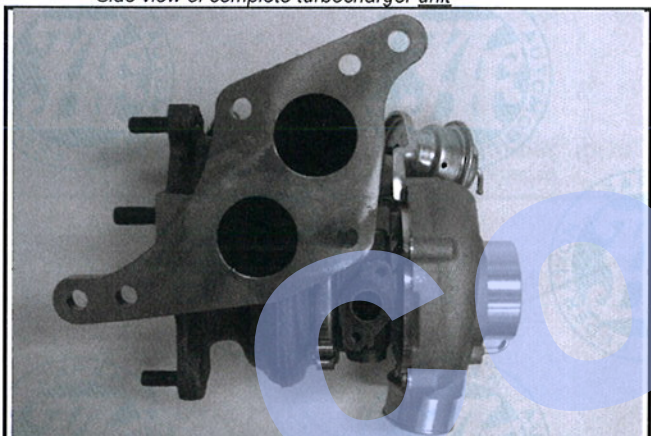
C15-1) Vue de dessus du turbocompresseur complet assemblé
Plan view of complete turbocharger unit



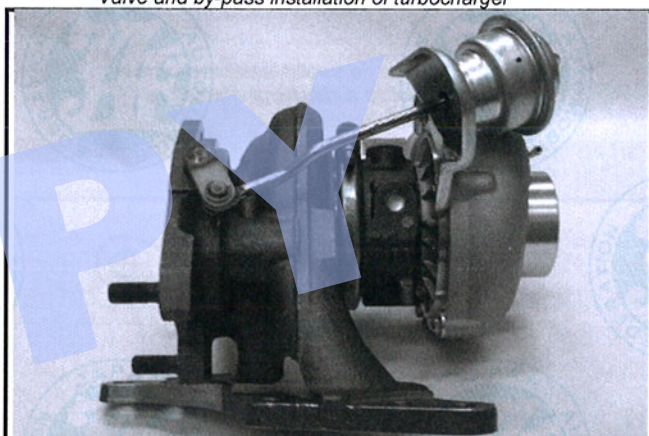
C15-2) Vue de face du turbocompresseur complet assemblé
Front view of complete turbocharger unit



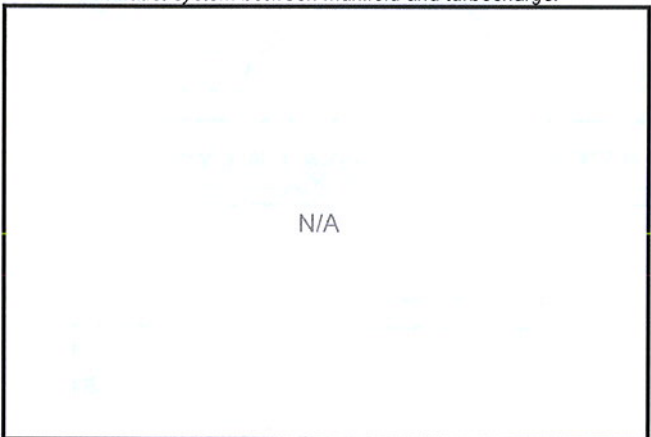
C15-3) Vue de côté du turbocompresseur complet assemblé
Side view of complete turbocharger unit



C15-4) Soupape et montage du by-pass du turbocompresseur
Valve and by-pass installation of turbocharger



C15-5) Système d'échappement entre collecteur et turbocompresseur
Exhaust system between manifold and turbocharger

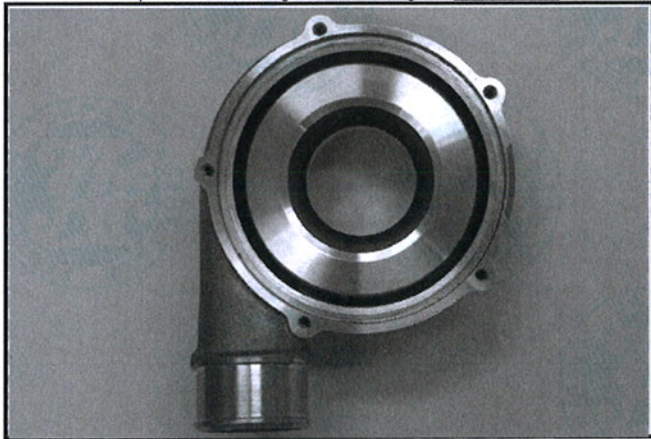


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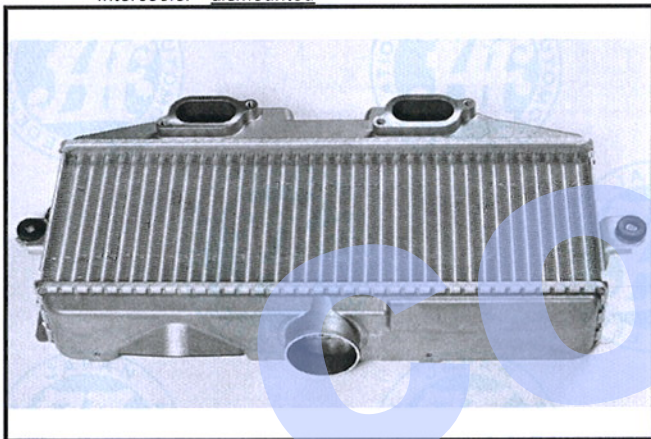
C15-6) Carter de compression du turbocompresseur - démonté
Compression housing of turbocharger - *dismounted*



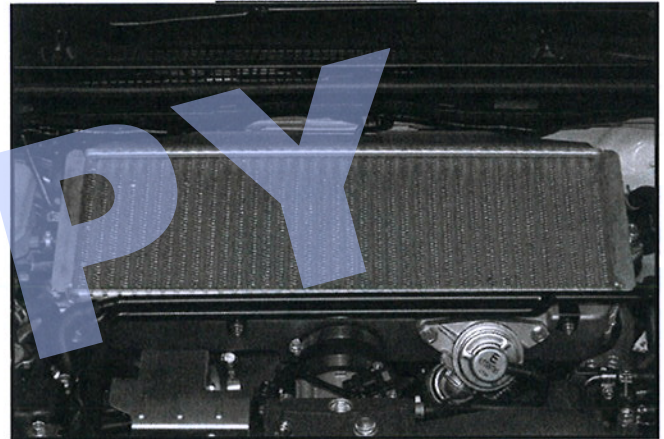
C15-7) Carter de turbine du turbocompresseur - démonté
Turbine housing of turbocharger - *dismounted*



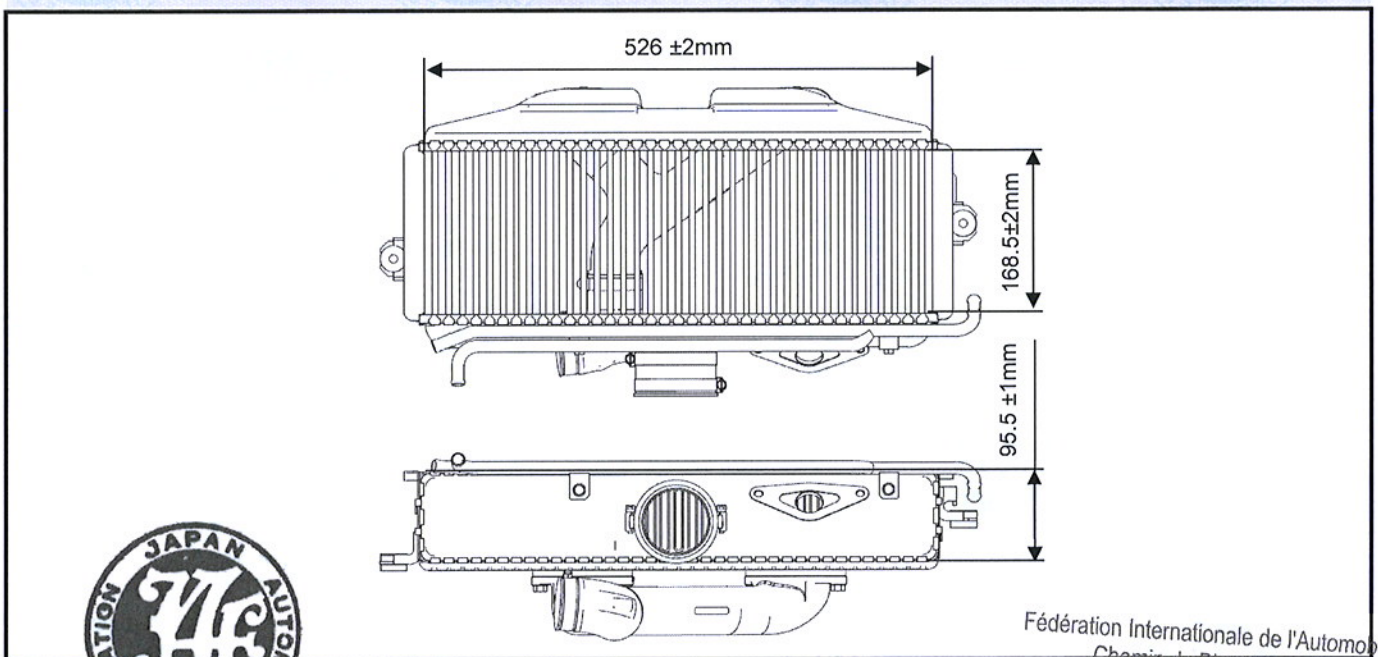
C15-8) Echangeur intermédiaire - démonté
Intercooler - *dismounted*



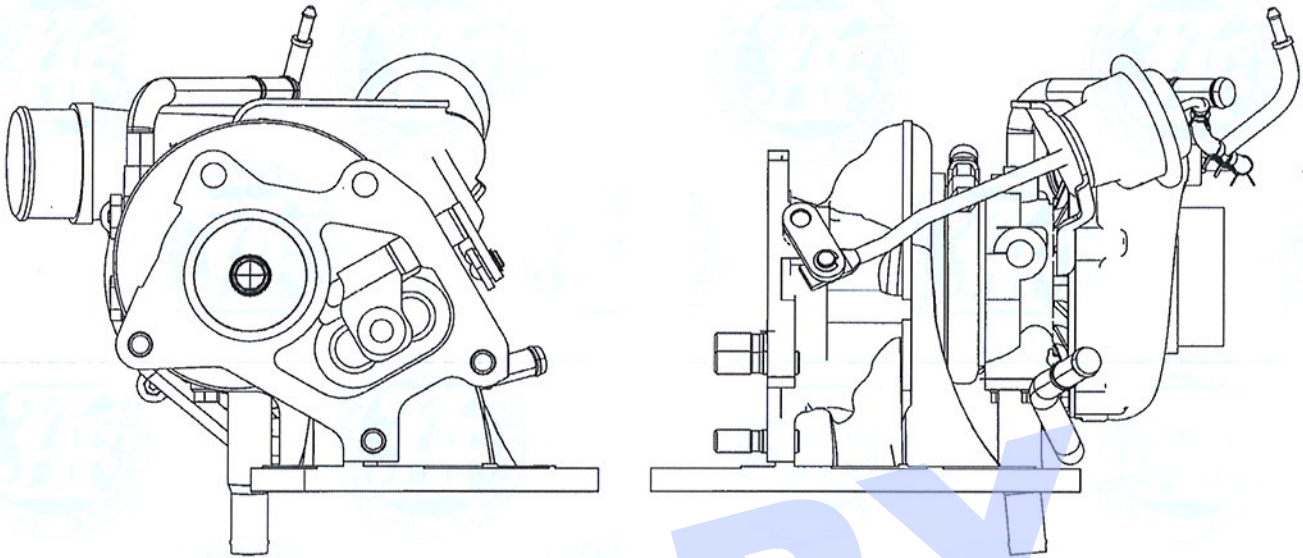
C15-9) Echangeur intermédiaire - monté dans son emplacement
Intercooler - *mounted in its location*



III-05) Dessin de l'échangeur avec dimensions du faisceau (Largeur x Hauteur x Epaisseur)
Drawing of the intercooler with dimensions of core (Width x Height x Thickness)



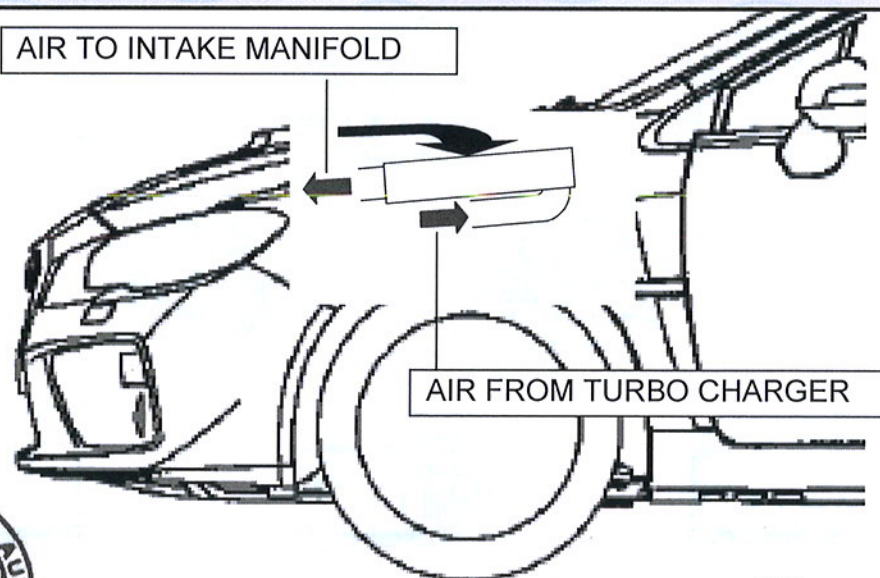
**III-06) DISPOSITIF REGLANT LA PRESSION DE SURALIMENTATION
DEVICE REGULATING THE SUPERCHARGING PRESSURE**



Procédure de contrôle de la pression
Procedure for checking the pressure

PRESSURE CORRESPONDING TO AN AXIAL DISPLACEMENT OF THE WASTE GATE
CONTROL ROD OF 6.0mm Standard pressure 0.85 ± 0.08 bar

**III-07) SYSTEME DE REFROIDISSEMENT DE L'INTERCOOLER
INTERCOOLER COOLING SYSTEM**



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4. CIRCUIT DE CARBURANT / FUEL CIRCUIT

401. RESERVOIR DE CARBURANT / FUEL TANK

- | | |
|----------------------------|----------------------|
| a) Nombre
Number | 1 |
| b) Emplacement
Location | UNDER THE REAR FLOOR |
| c) Matériau
Material | STEEL |

5. EQUIPEMENT ELECTRIQUE / ELECTRICAL EQUIPMENT

501. BATTERIES / BATTERIES

- | | | |
|-----------------------|----|-------|
| a) Nombre
Number | 1 | |
| b) Tension
Tension | 12 | Volts |

COPY



6. TRANSMISSION / POWER TRAIN

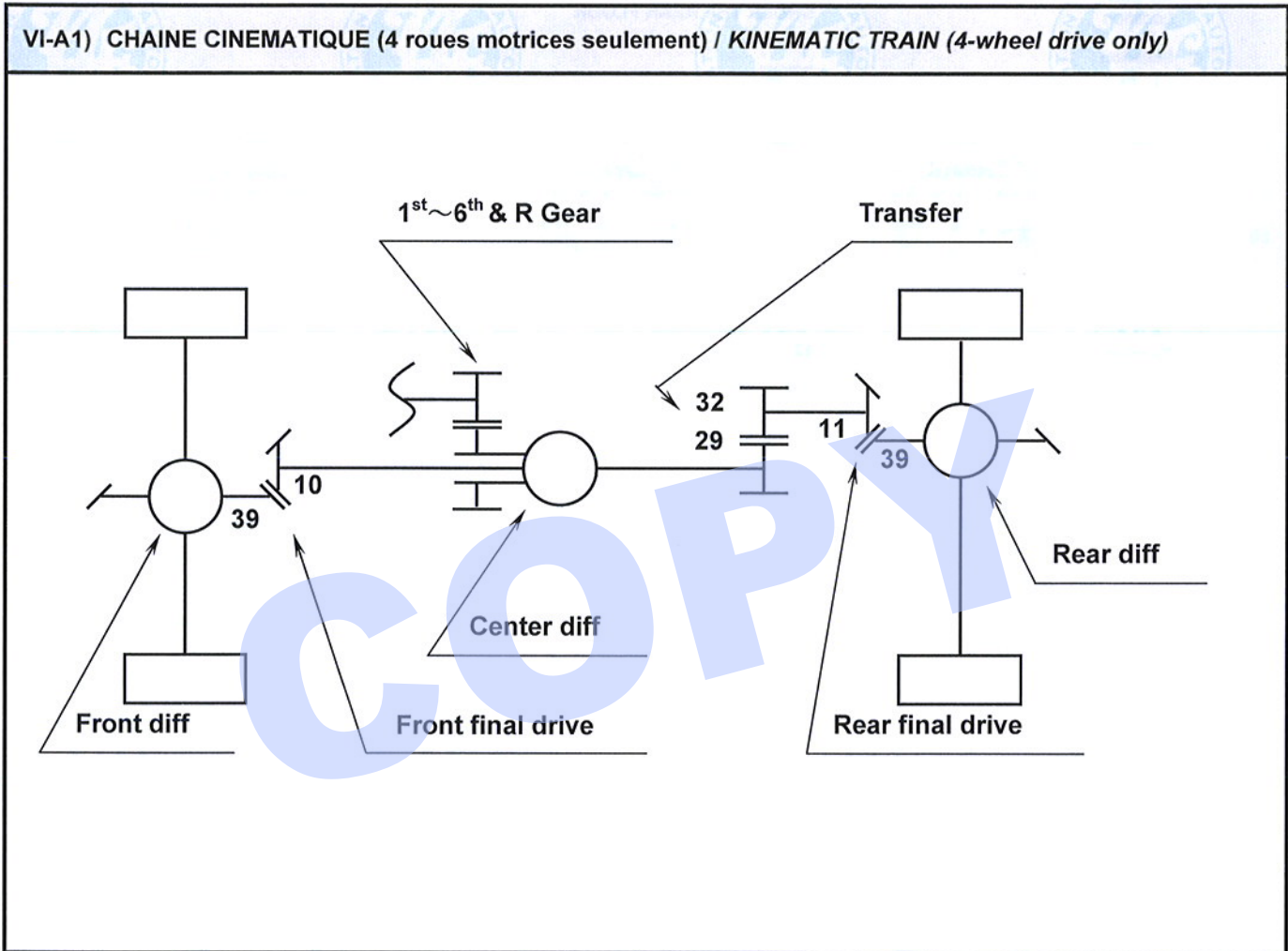
601. ROUES MOTRICES / DRIVEN WHEELS

AVANT / FRONT

ARRIERE / REAR



VI-A1) CHAINE CINEMATIQUE (4 roues motrices seulement) / KINEMATIC TRAIN (4-wheel drive only)



602. EMBRAYAGE / CLUTCH

- b) Système de commande / Control system: **HYDRAULIC**
- c) Nombre de disques / Number of plates: **1**



603. BOITE DE VITESSES / GEARBOX

- a) Emplacement / Location: **BEHIND THE ENGINE**
- b) Marque Manuelle / Make Manual: **FUJI**
- c) Marque Automatique / Make Automatic: **N/A**
- d) Type et emplacement de commande / Type and location of control: **MECHANICAL , FLOOR**

Marque
Make

FUJI (SUBARU)

Modèle
Model

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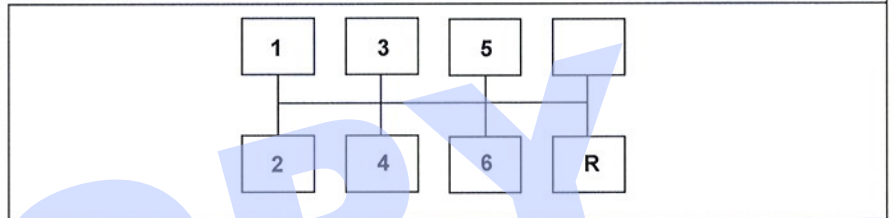
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e) Rapports
Gear ratios

	Manuelle / Manual			
	Nombre de dents Number of teeth	Rapport Ratio	Constante Constant	Synchro
1	11/40	3.636	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	16/38	2.375	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	21/37	1.762	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	26/35	1.346	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	32/34	1.063	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	38/32	0.842	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AR/R	(11/26) /(26/39)	3.545	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Constante Constant			<input type="checkbox"/>	

	Automatique / Automatic		
	Nombre de dents Number of teeth	Rapport Ratio	Synchro
1	N/A	N/A	<input type="checkbox"/>
2	N/A	N/A	<input type="checkbox"/>
3	N/A	N/A	<input type="checkbox"/>
4	N/A	N/A	<input type="checkbox"/>
5	N/A	N/A	<input type="checkbox"/>
6	N/A	N/A	<input type="checkbox"/>
7	N/A	N/A	<input type="checkbox"/>
AR/R	N/A	N/A	<input type="checkbox"/>

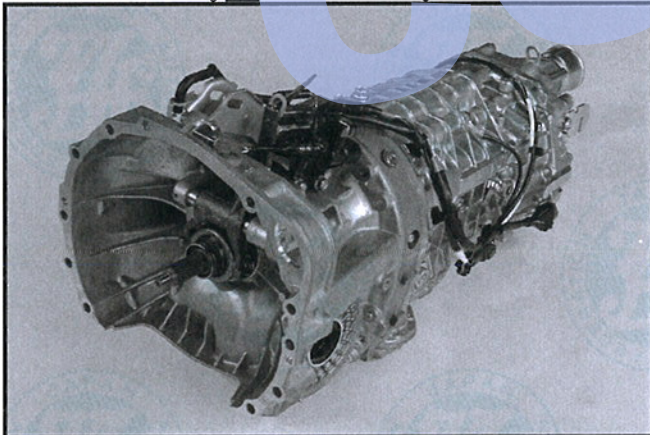
f) Grille de vitesses
Gear change gate



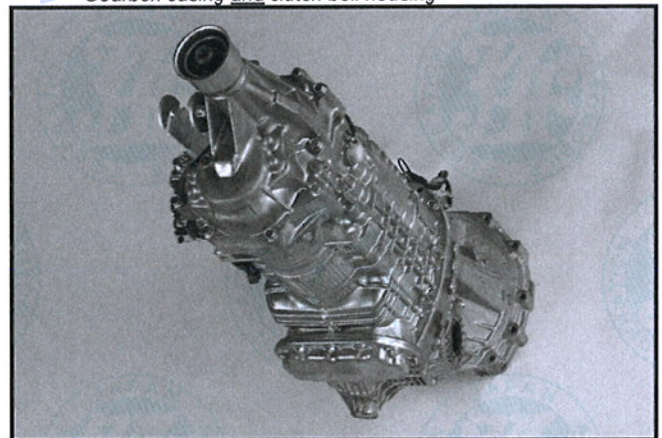
g) Type de lubrification
Type of lubrication

SPLASHING

F2-1) Carter de boîte de vitesses et cloche d'embrayage
Gearbox casing and clutch bell housing



F2-2) Carter de boîte de vitesses et cloche d'embrayage
Gearbox casing and clutch bell housing



604. BOITE DE TRANSFERT / TRANSFER BOX

b) Rapports
Ratios

b1) Nombre de dents
Number of teeth

c) Système de commande
Control system

d) Type de différentiel central
Type of central differential

High	Low
1.103	N/A
29/32	N/A

N/A

PLANETARY GEAR WITH DCCD (See complementary information)



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605. COUPLE FINAL / FINAL DRIVE

- a) Type de couple final
Type of final drive
- b) Rapport
Ratio
- c) Nombre de dents
Number of teeth
- e) Type de lubrification
Type of lubrication

AVANT / FRONT	ARRIERE / REAR
HYPOLID	HYPOLID
3.900	3.545
10/39	11/39
SPLASHING	SPLASHING

606. ARBRES DE TRANSMISSION / TRANSMISSION SHAFTS

- a) Type des arbres longitudinaux et joints
Type of longitudinal shafts and joints
- b) Matériau des arbres longitudinaux
Material of longitudinal shafts
- c) Type des demi-arbres transversaux et joints
Type of transversal half shafts and joints
- d) Matériau des demi-arbres transversaux
Material of transversal half shafts

AVANT / FRONT	ARRIERE / REAR
HOLLOW , UNIVERSAL JOINTS	HOLLOW , UNIVERSAL JOINTS
STEEL	STEEL
SOLID , CONSTANT VELOCITY JOINT AND DOUBLE OFFSET JOINT	SOLID , CONSTANT VELOCITY JOINT AND DOUBLE OFFSET JOINT
STEEL	STEEL

COPY



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7. ESSIEUX ET SUSPENSION / AXLES AND SUSPENSION

701. GÉNÉRALITÉS / GENERAL

a) Type d'essieu
Type of axle

AVANT / FRONT	ARRIERE / REAR
McPHERSON	MULTILINK

702. RESSORTS HELICOÏDAUX / HELICAL SPRINGS

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

703. RESSORTS À LAMES / LEAF SPRINGS

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

704. BARRES DE TORSION / TORSION BARS

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

705. AUTRE TYPE DE SUSPENSION / OTHER TYPE OF SUSPENSION

a) Type
Type
b) Nombre d'éléments élastiques
Number of elastic elements
c) Type d'éléments élastiques
Type of elastic elements

AVANT / FRONT	ARRIERE / REAR
N/A	N/A
N/A	N/A
N/A	N/A

707. AMORTISSEURS / SHOCK ABSORBERS

a) Nombre par roue
Number per wheel
b) Type
Type
c) Principe de fonctionnement
Principle of operation

AVANT / FRONT	ARRIERE / REAR
1	1
TELESCOPIC	TELESCOPIC
HYDRAULIC	HYDRAULIC



Marque
Make **FUJI (SUBARU)**

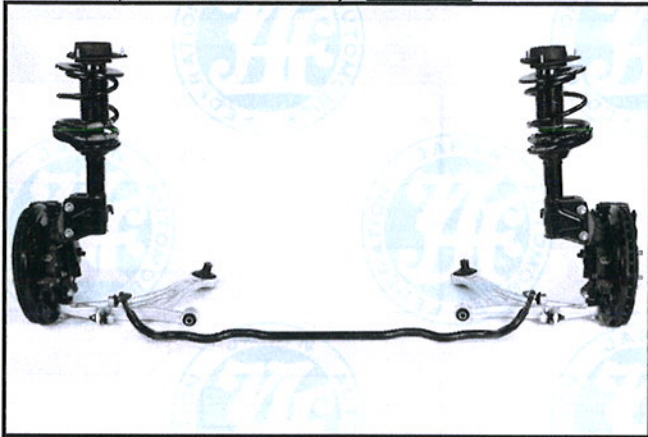
Modèle
Model **WRX STI 2015**

Homologation N°

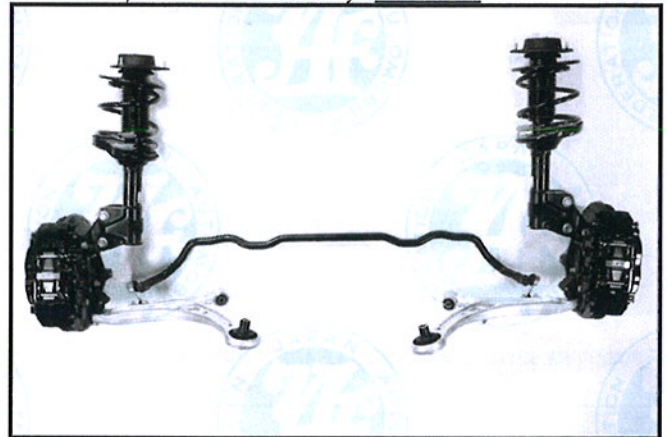
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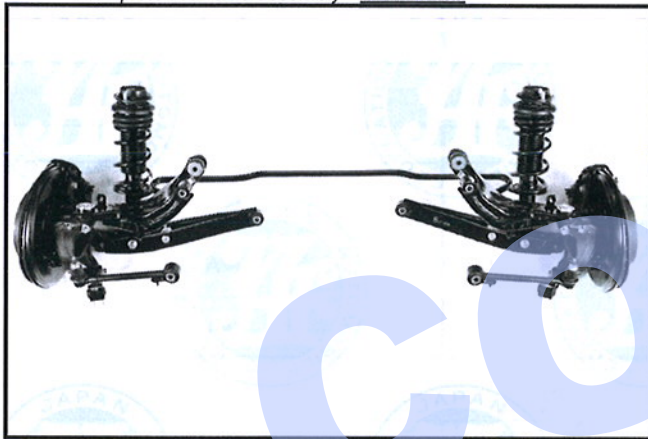
G1-1) Essieu **avant** complet assemblé - déposé
Complete **front** axle assembly - *dismounted*



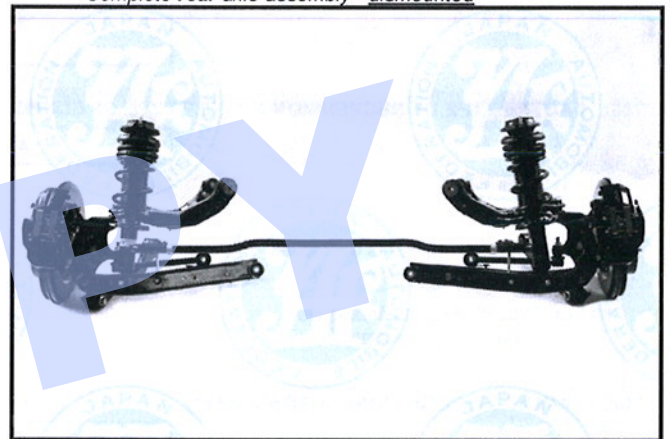
G1-2) Essieu **avant** complet assemblé - déposé
Complete **front** axle assembly - *dismounted*



H1-1) Essieu **arrière** complet assemblé - déposé
Complete **rear** axle assembly - *dismounted*



H1-2) Essieu **arrière** complet assemblé - déposé
Complete **rear** axle assembly - *dismounted*



Marque
Make

FUJI (SUBARU)

Modèle
Model

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8. TRAIN ROULANT / RUNNING GEAR

801. ROUES / WHEELS

a) Diamètre
Diameter

AVANT / FRONT	ARRIERE / REAR
457.2 mm	457.2 mm
18 inches	18 inches

803. FREINS / BRAKES

a) Système de freinage
Braking system

DUAL CIRCUIT HYDRAULIC BRAKE SYSTEM

b) Nombre de maître-cylindres
Number of master cylinders

TANDEM

b1) Alésages
Bores

25.4/ 25.4

± 0.05 mm

c) Servo-frein
Servo brakes

Oui/Yes

Non/No



c1) Marque et type
Make and type

HITACHI. LTD. / VACUUM

d) Régulateur de freinage
Braking regulator

Oui/Yes

Non/No



d1) Emplacement
Location

ENGINE COMPARTMENT

d2) Type
Type

ABS

e) Nombre de cylindres par roue
Number of cylinders per wheel

AVANT / FRONT	ARRIERE / REAR
4	2
2x40.0 2x46.0 ± 0.1 mm	2x40.0 ± 0.1 mm

e1) Alésage
Bore

f) Freins à tambours / Drum brakes

f1) Diamètre intérieur
Internal diameter

AVANT / FRONT	ARRIERE / REAR
N/A ± 1.5 mm	N/A ± 1.5 mm
N/A	N/A
N/A ± 1.5 mm	N/A ± 1.5 mm
N/A ± 1 mm	N/A ± 1 mm

f2) Nombre de garnitures par roue
Number of linings per wheel

f3) Longueur développée de chaque garniture
Developed length of each lining

f4) Largeur de chaque garniture
Width of each lining

g) Freins à disques / Disc brakes

g1) Nombre de plaquettes par roue
Number of pads per wheel

g2) Nombre d'étriers par roue
Number of calipers per wheel

g3) Matériau des étriers
Caliper material

g4) Epaisseur du disque neuf
Thickness of new disc

g5) Diamètre extérieur du disque
External diameter of disc

g6) Diamètre extérieur de frottement des plaquettes
External diameter of pads'rubbing surface

g7) Diamètre intérieur de frottement des plaquettes
Internal diameter of pads'rubbing surface

g8) Longueur de friction hors-tout de chaque plaquette
Overall friction length of each pad

g9) Disques ventilés
Ventilated discs

Nombre de canaux de ventilation
Number of venting channels

AVANT / FRONT	ARRIERE / REAR
2	2
1	1
ALUMINIUM ALLOY	ALUMINIUM ALLOY
30.0 ± 1 mm	20.0 ± 1 mm
326.0 ± 1.5 mm	316.0 ± 1.5 mm
323.0 ± 1.5 mm	313.0 ± 1.5 mm
202.0 ± 1.5 mm	223.0 ± 1.5 mm
131.8 ± 1.5 mm	76.8 ± 1.5 mm
Oui/Yes <input checked="" type="checkbox"/> Non/No <input type="checkbox"/>	Oui/Yes <input checked="" type="checkbox"/> Non/No <input type="checkbox"/>
31	31



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Marque
Make

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Modèle
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h) Frein de stationnement / Parking brake

- h1) Système de commande
Control system
- h2) Emplacement de la commande
Location of control
- h3) Effet sur roues
On which wheels
- h4) Emplacement du frein
Location of brake

CABLE

CENTRAL TUNNEL

AVANT / FRONT	ARRIERE / REAR
<input type="checkbox"/>	<input checked="" type="checkbox"/>

INSIDE DISC BELL

AVANT / FRONT

J3-1) Frein complet assemblé
Complete brake assembly



ARRIERE / REAR

K3-1) Frein complet assemblé
Complete brake assembly



804. DIRECTION / STEERING

- a) Type
Type
- b) Rapport
Ratio
- c) Servo-assistance
Power assisted
- d) Type d'assistance
Type of power assistance
- e) Emplacement de l'assistance
Location of power assistance
- f) Emplacement boîtier électronique
Location of electronic control unit

RACK & PINION

N/A

57.54mm/ rev

Oui/Yes Non/No

HYDRAULIC

INSIDE THE ENGINE COMPARTMENT

N/A

Angle Volant / Angle Roues
Steering wheel angle / Wheel angle

Course crémaillère / Tour de pinion
Rack travel / pinion revolution



Marque
Make **FUJI (SUBARU)**

Modèle
Model **WRX STI 2015**

Homologation N°

A-5758

JAF 公認番号 JA-228

9. CARROSSERIE - CHASSIS (COQUE) / BODYWORK - CHASSIS (BODYSHELL)

901. INTERIEUR / INTERIOR

a) Chauffage
Heating

Oui/Yes



Non/No



c) Toit ouvrant optionnel
Optional sun roof

Oui/Yes



Non/No



c1) Type
Type

N/A

c2) Système de commande
Control System

N/A

d) Système d'ouverture vitres latérales
Opening system for side windows

ELECTRICAL

L1-1) Planche de bord
Dashboard



902. EXTERIEUR / EXTERIOR

a) Nombre de portes
Number of doors

4

b) Hayon
Tailgate

Oui/Yes



Non/No



c) Pare-brise
Windscreen

c1) Système de chauffage / dégivrage
Heating / defrosting system

Oui/Yes



Non/No



c3) Poids minimum
Minimum weight

13000

g



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XIII-A1) MATERIAUX DES PANNEAUX DE CARROSSERIE / MATERIALS OF BODYWORK PANELS

MATERIAUX METALLIQUES / METALLIC MATERIALS

Numéro / Label	Pièce / Part	Matériau / Material
01	FRONT HOOD	ALUMINIUM ALLOY
02	FRONT FENDER	STEEL
03	FRONT & REAR DOOR	STEEL
04	REAR BOOT LID	STEEL

MATERIAUX PLASTIQUES / PLASTIC MATERIALS

Numéro / Label	Pièce / Part	Matériau / Material
05	ROOF MOULDING	PLASTIC
06	FRONT BUMPER	PLASTIC
07	HEAD LAMP	PLASTIC
08	FRONT FENDER GARNISH	PLASTIC
09	REAR BUMPER	PLASTIC
10	REAR BOOT GARNISH	PLASTIC
11	REAR SPOILER	PLASTIC
12	SIDE SPOILER	PLASTIC
13	REAR COMBI LAMP	PLASTIC
14	FRONT DOOR MOULDING	PLASTIC
15	REAR QUARTER MOULDING	PLASTIC
16	DOOR MIRROR	PLASTIC
17	DOOR HANDLE	PLASTIC
18	ROOF ANTENNA	PLASTIC
19	FRONT HOOD GRILL	PLASTIC

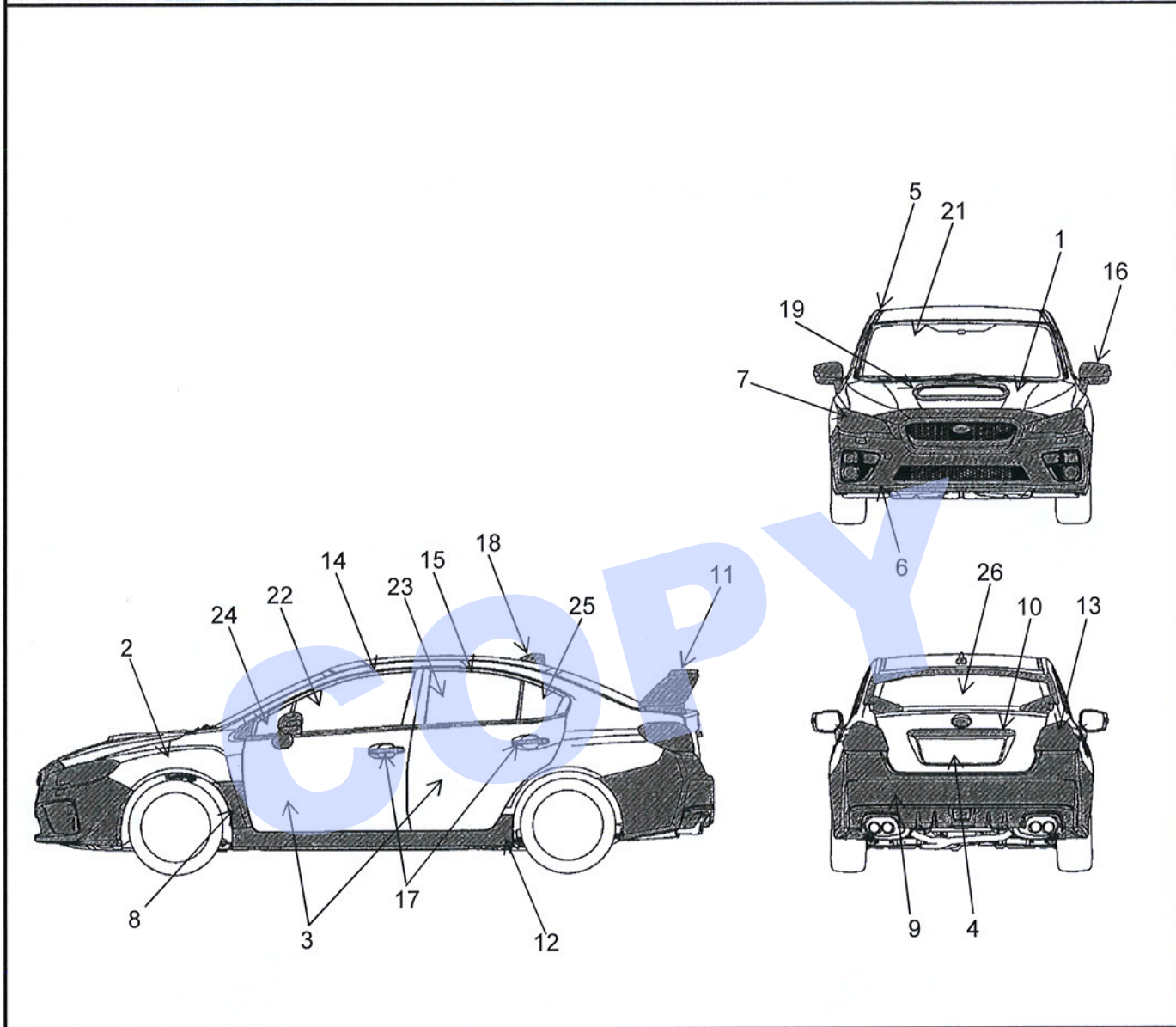


VITRAGES / GLAZING

Numéro / Label	Pièce / Part	Matériau / Material	Epaisseur min. / Min. thickness
21	WINDSCREEN	LAMINATED GLASS	4.3 mm
22	FRONT DOOR WINDOW	SAFETY GLASS	3.3 mm
23	REAR DOOR WINDOW	SAFETY GLASS	2.9 mm
24	FRONT QUARTER WINDOW	SAFETY GLASS	3.8 mm
25	REAR QUARTER WINDOW	SAFETY GLASS	2.9 mm
26	REAR WINDOW	SAFETY GLASS	2.9 mm

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Chemin de Blandornet, 2
CH-1215 GENEVE 15
Tél.: 41 22 544 44 00
Fax Sport: 41 22 841 46 00

DESSIN / DRAWING



M1-1) Toit ouvrant
Sunroof

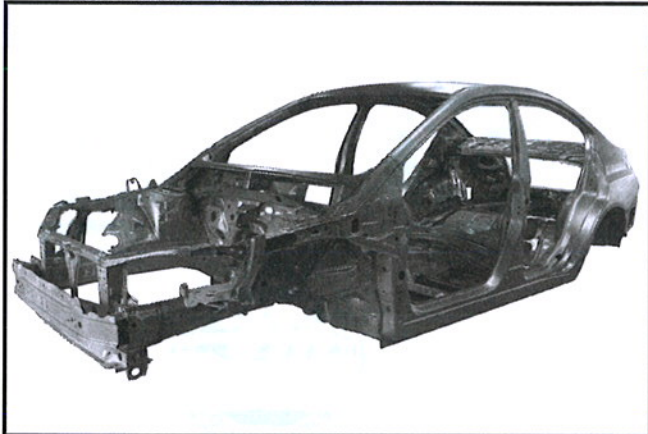


N/A

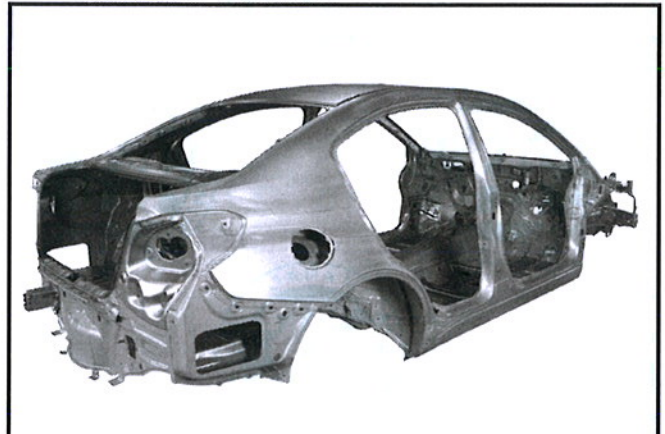
Fédération Internationale de l'Automobile
Chemin de Blandonnet, 2
CH-1215 GENEVE 15
Tél.: 41 22 544 44 00
Fax Sport: 41 22 701 45 00

903. CHASSIS (COQUE) / CHASSIS (BODYSHELL)

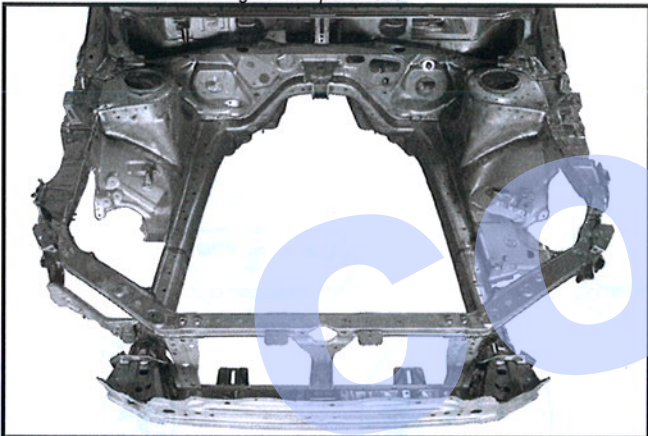
N1-1) Châssis nu – Vue d'ensemble
Bare chassis – General view



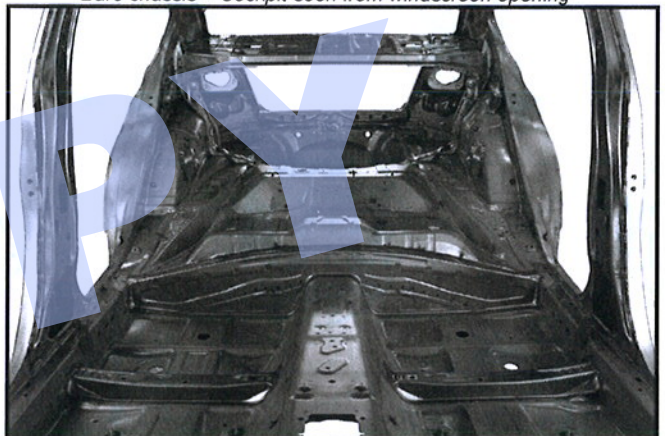
N1-2) Châssis nu – Vue d'ensemble
Bare chassis – General view



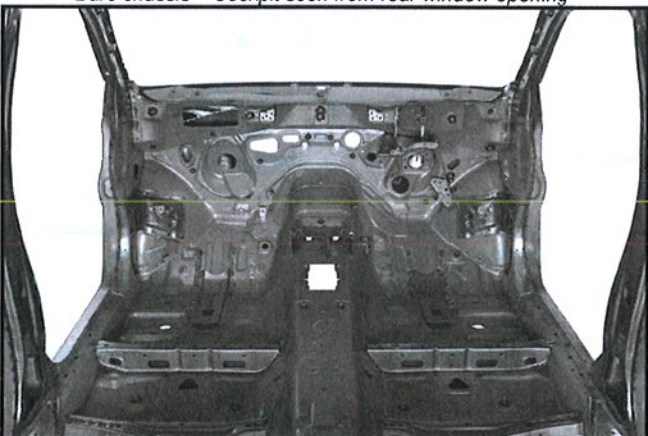
N1-3) Châssis nu – Compartiment moteur
Bare chassis – Engine compartment



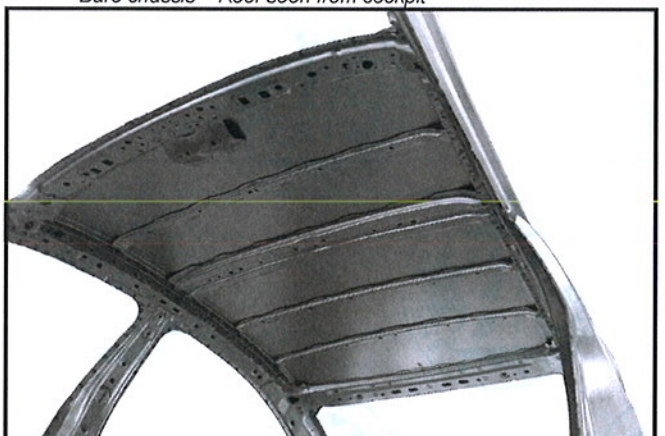
N1-4) Châssis nu – Habitacle vu à travers la baie de pare-brise
Bare chassis – Cockpit seen from windscreen opening



N1-5) Châssis nu – Habitacle vu à travers la baie de vitre arrière
Bare chassis – Cockpit seen from rear window opening



N1-6) Châssis nu – Toit vu de l'habitacle
Bare chassis – Roof seen from cockpit

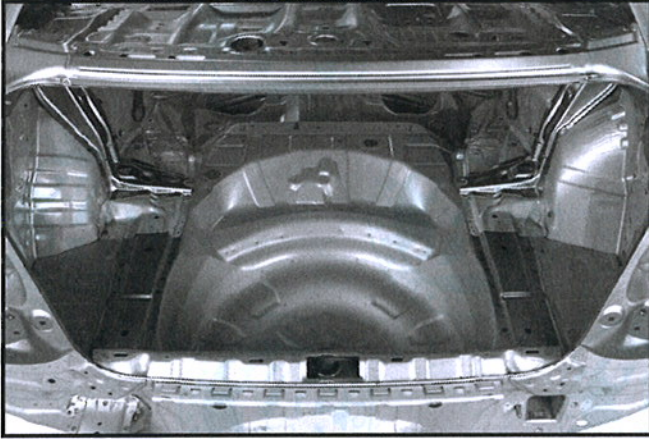


Marque
Make **FUJI (SUBARU)**

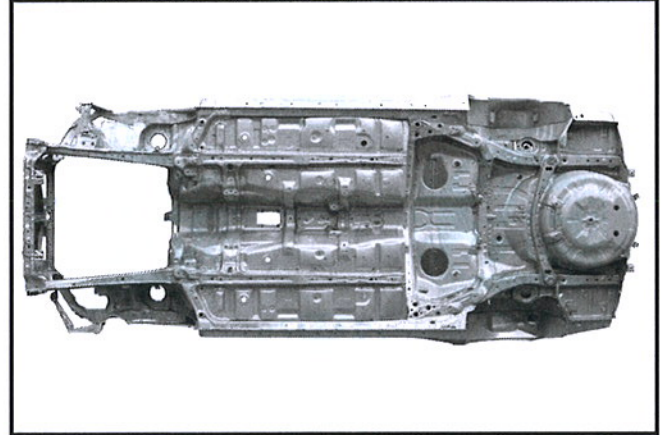
Modèle
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N1-7) Châssis nu – Compartiment à bagages
Bare chassis – Luggage compartment



N1-8) Châssis nu – Vu de dessous
Bare chassis – Seen from underneath

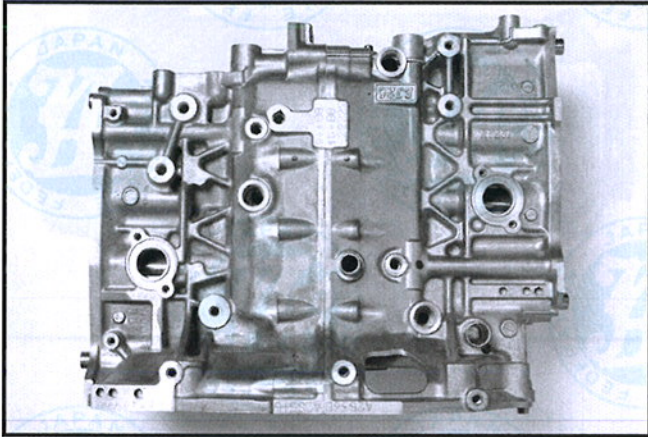


COPY

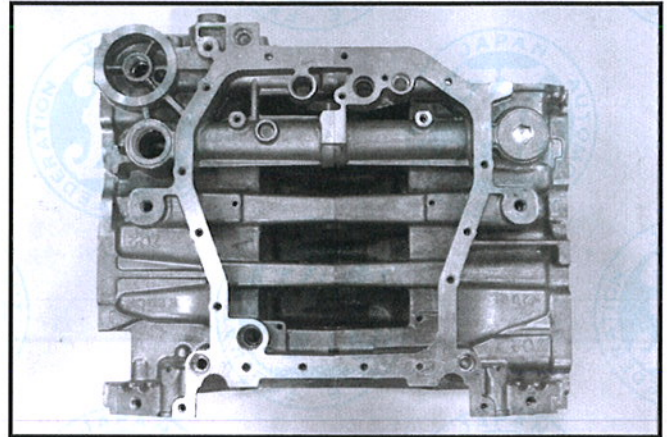


INFORMATIONS COMPLEMENTAIRES / COMPLEMENTARY INFORMATION

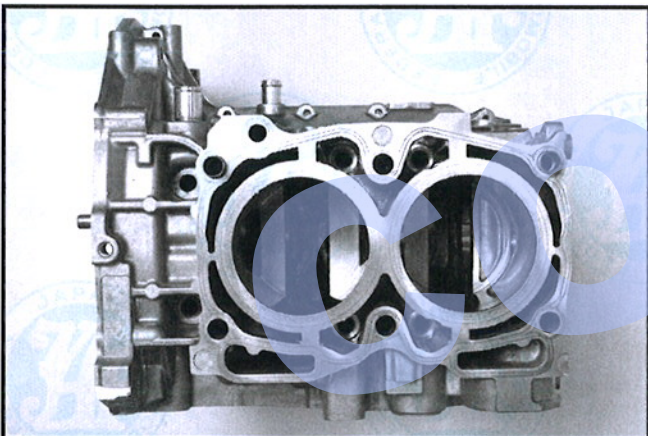
311. Cylinder Block assembled



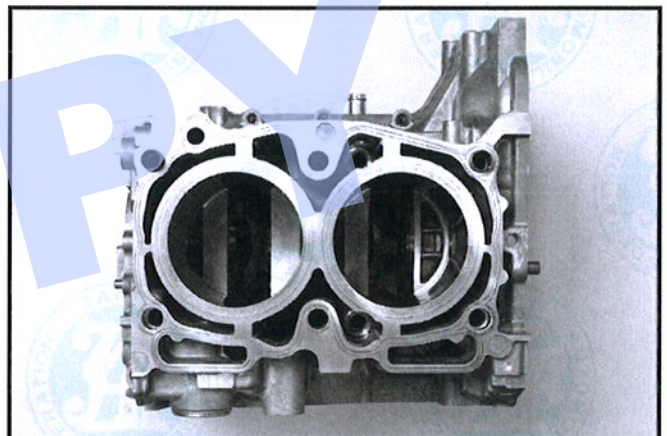
Seen from above



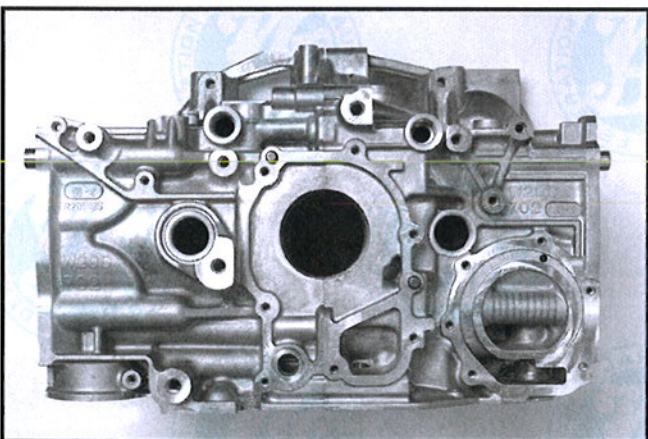
Seen from underneath



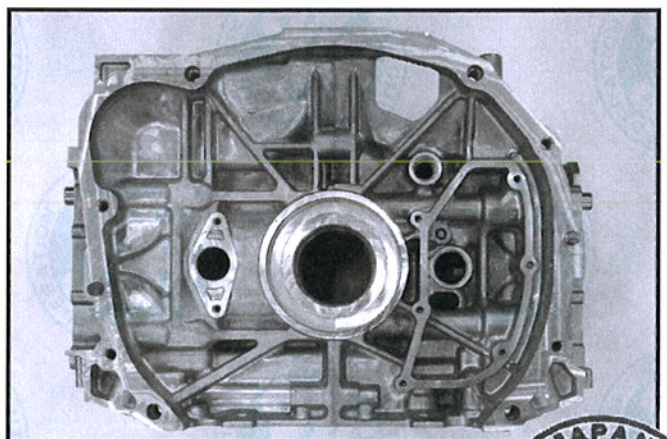
Seen from right hand side



Seen from left hand side



Seen from timing side



Seen from flywheel side

**604d. Type of central differential: Planetary gear with DCCD
Planetary gear type differential with electrically controlled mechanical clutch**

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