



FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

T-1007

Groupe Tout-Terrain
Group Tout-Terrain

FT-017

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

Homologation valable à partir du 01 JAN. 1989 en groupe Tout-Terrain
Homologation valid as from _____ in group

Photo A

Photo B



1. DEFINITIONS / DEFINITIONS 88-Nov-10-15 88-Nov-10-14

101. Constructeur TOYOTA MOTOR CORPORATION
Manufacturer

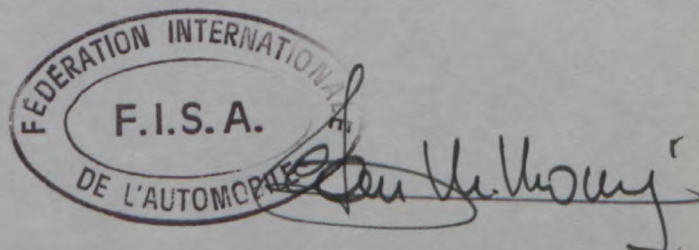
102. Dénomination(s) commerciale(s) — Modèle et type TOYOTA LAND CRUISER (BJ71V)
Commercial name(s) — Type and model

103. Cylindrée totale 5834.2 (3431.9 x 1.7 = 5834.2) cm³
Cylinder capacity

104. Mode de construction séparée, matériau du châssis Steel
Type of car construction monocoque
 unitary construction

105. Nombre de volumes 2
Number of volumes

106. Nombre de places 5
Number of places



2. DIMENSIONS, POIDS / DIMENSIONS, WEIGHT

201. Poids minimum
Minimum weight 1666 kg
202. Longueur hors-tout
Overall length 3960 mm ± 1%
203. Largeur hors-tout
Overall width 1690 mm ± 1% Endroit de la mesure
Where measured At rear wheel center
204. Largeur de la carrosserie:
Width of bodywork:
a) A la hauteur de l'axe AV
At front axle 1690 mm ± 1%
b) A la hauteur de l'axe AR
At rear axle 1690 mm ± 1%
206. Empattement: a) Droit
Wheelbase: Right 2310 mm ± 1% b) Gauche:
Left: 2310 mm ± 1%
207. Voie maximum AV
Maximum track Front 1415 mm AR
Rear 1400 mm
209. Porte-à-faux: a) AV:
Overhang: Front: 705 mm ± 1% b) AR:
Rear: 945 mm ± 1%
210. Distance «G» (volant — paroi de séparation AR)
Distance «G» (steering wheel — rear bulkhead) 1511 mm ± 1%

3. MOTEUR / ENGINE: *(En cas de moteur rotatif, voir Article 335 sur fiche complémentaire).*
(In case of rotative engine, see Article 335 on complementary form).

301. Emplacement et position du moteur:
Location and position of the engine: Front, Longitudinal, Left:1°52', Front:5°

302. Nombre de supports
Number of supports 3

303. Cycle
Cycle 4, Diesel



Marque TOYOTA Modèle BJ71V N° Homol. T-1007
 Make TOYOTA Model BJ71V

304. Suralimentation oui/~~non~~ type Exhaust turbo charging
 Supercharging yes/~~no~~ type Exhaust turbo charging
'En cas de suralimentation, voir également l'Article 334 sur fiche complémentaire)
(In case of supercharging, see also Article 334 on complementary form).

305. Nombre et disposition des cylindres 4, In-line
 Number and layout of the cylinders

306. Mode de refroidissement Liquid
 Cooling system

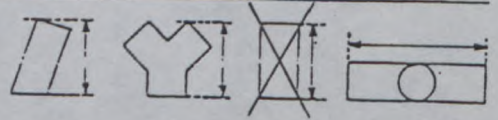
307. Cylindrée: a) Unitaire 857.99 cm³ b) Totale 3431.9 x 1.7 = 5834.2 cm³
 Cylinder capacity: a) Unitary b) Total

308. Volume minimal total d'une chambre de combustion 51.7 cm³
 Total minimum volume of a combustion chamber

309. Volume minimum d'une chambre de combustion dans la culasse - 3.2 cm³
 Minimum volume of a combustion chamber in the cylinderhead

310. Rapport volumétrique maximum (par rapport à l'unité) 17.6 : 1
 Maximum compression ratio (in relation with the unit)

311. Hauteur minimum du bloc-cylindres 289 mm
 Minimum height of the cylinder block



312. Matériau du bloc-cylindres Cast - iron
 Cylinder block material

313. Chemises: a) oui/~~non~~ b) Matériau Cast - iron c) Type: Dry
 Sleeves: yes/~~no~~ Material Type:

314. Alésage 102.0 mm
 Bore

316. Course 105.0 mm
 Stroke

317. Piston a) Matériau Aluminum alloy
 Piston Material
 b) Nombre de segments 3 c) Poids minimum 1544 g
 Number of rings Minimum weight
 d) Distance de la médiane de l'axe au sommet du piston 63.4 ± 0.1 mm
 Distance from gudgeon pin center line to highest point of piston crown
 e) Distance (+/-) entre le sommet du piston au PMH et le plan de joint du bloc-cylindre +0.9 ± 0.15 mm
 Distance (+/-) between the top of the piston at TDC and the gasket plane of the cylinderblock
 f) Volume de l'évidement du piston 37.9 ± 0.5 cm³
 Piston groove volume



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318. Bielle: a) Matériau Steel b) Type de la tête de bielle Separate
Connecting rod: Material Steel Big end type Separate
c) Diamètre intérieur de la tête de bielle (sans coussinets): 64.0 mm ± 0.1%
Interior diameter of the big end (without bearings): 64.0
d) Longueur entre axes: 173.0 mm (± 0.1 mm) e) Poids minimum: 1490 g
Length between the axes: 173.0 Minimum weight: 1490

319. vilebrequin: a) Type de construction Integral
Crankshaft: Type of manufacture Integral
b) Matériau Steel
Material Steel
c) coulé estampé
 moulded stamped d) Nombre de paliers 5
Number of bearings 5
e) Type de paliers Plain
Type of bearings Plain
f) Diamètre des paliers 75.0 mm ± 0.2%
Diameter of bearings 75.0
g) Matériau des chapeaux des paliers Cast - iron
Bearing caps material Cast - iron
h) Poids minimum du vilebrequin nu 28615 g
Minimum weight of the bare crankshaft 28615
i) Diamètre maximum des manetons 61.0 mm
Maximum diameter of big end journals 61.0

320. Volant moteur: a) Matériau Cast - iron
Flywheel: Material Cast - iron
b) Poids minimum avec couronne de démarreur 17974 g
Minimum weight of the flywheel with starter ring 17974

321. Culasse: a) Nombre de culasses 1 b) Matériau Cast - iron
Cylinderhead: Number of cylinderheads 1 Material Cast - iron
c) Hauteur minimum 95 mm
Minimum height 95
d) Endroit de la mesure From top of cylinderhead to bottom of cylinderhead.
Where measured From top of cylinderhead to bottom of cylinderhead.

322. Epaisseur du joint de culasse serré 1.5 ± 0.2 mm
Thickness of the tightened cylinderhead gasket 1.5 ± 0.2

323. Alimentation par carburateur(s): a) Nombre de carburateurs XXXX
Fuel feed by carburettor(s): Number of carburators XXXX
b) Type XXXX c) Marque et modèle XXXX
Type XXXX Make and model XXXX



- d) Nombre de passages de gaz par carburateur
 Number of mixture passages per carburettor XXXX
- e) Diamètre maximum de la tubulure de gaz à la sortie du carburateur
 Maximum diameter of the flange hole of the carburettor exit port XXXX mm
- f) Diamètre du diffuseur au point d'étranglement maximum
 Diameter of the venturi at the narrowest point XXXX mm

324. Alimentation par injection:

a) Marque:

Manufacturer: NIPPON DENSO

Fuel feed by injection:

b) Modèle du système d'injection:

Model of injection system: Bosch A (In-line type)

c) Mode de dosage du carburant:

Kind of fuel measurement: mécanique électronique hydraulique
 mechanical electronical hydraulical

c1) Plongeur

Piston pump

~~oui/non~~

~~yes/no~~

c2) Mesure du volume d'air

Measurement of air volume

~~oui/non~~

~~yes/no~~

c3) Mesure de la masse d'air

Measurement of air mass

~~oui/non~~

~~yes/no~~

c4) Mesure de la vitesse de l'air

Measurement of air speed

~~oui/non~~

~~yes/no~~

c5) Mesure de la pression d'air

Measurement of air pressure

~~oui/non~~

~~yes/no~~

Quelle est la pression de réglage?

Which pressure is taken for measurement? XXXX bars

d) Dimensions effectives du point de mesure au(x) papillon(s) ou au(x) tiroir(s) d'étranglement

Effective dimensions of measure position in the throttle area XXXX mm

e) Nombre des sorties effectives de carburant

Number of effective fuel outlets 4

f) Position des soupapes d'injection:

Position of injection valves: Canal d'admission Culasse
 Inlet manifold Cylinderhead

g) Parties du système d'injection servant au dosage du carburant

Statement of fuel measuring parts of injection system Nozzles, Pump (mechanical Governor built in type)

325. Arbre à cames:

a) Nombre Camshaft: Number 1

b) Emplacement

Location Lateral (OHV)

c) Système d'entraînement

Driving system Gear wheel

d) Nombre de paliers par arbre

Number of bearings for each shaft 5

e) Diamètre des paliers

Diameter of bearings No.1 = 57.5, No.2 = 57.3, No.3 = 57.0

*

No.4 = 57.0, No.5 = 57.3 mm

f) Système de commande des soupapes

Type of valve operation Pushrod and Rocker

* Each bearing has different diameter as shown in 325(e).



327. Admission: a) Matériau du collecteur
 Inlet: Material of the manifold Aluminum alloy
 b) Nombre d'éléments du collecteur
 Number of manifold elements 1
 c) Nombre de soupapes par cylindre
 Number of valves per cylinder 1
 d) Diamètre maximum des soupapes
 Maximum diameter of the valves 46.2 mm
 e) Diamètre de la tige de soupape
 Diameter of the valve stem 9.0 + 0 - 0.2 mm
 f) Longueur de la soupape
 Length of the valve 128.0 ± 1.5 mm
 g) Type des ressorts de soupape
 Type of valve springs Coil
 h) Nombre de ressorts par soupape
 Number of springs per valve 2

328. Echappement: a) Matériau du collecteur
 Exhaust: Material of the manifold Cast - iron
 b) Nombre d'éléments du collecteur
 Number of manifold elements 1
 c) Diamètre de(s) sortie(s) du collecteur
 Diameter of the manifold exit(s) 58.0 +0.5 -1.5 mm
 d) Nombre de soupapes par cylindre
 Number of valves per cylinder 1
 e) Diamètre maximum des soupapes
 Maximum diameter of the valves 38.7 mm
 f) Diamètre de la tige de soupape
 Diameter of the valve stem 9.0 +0 -0.2 mm
 g) Longueur de la soupape
 Length of the valve 128.0 ± 1.5 mm
 h) Type des ressorts de soupape
 Type of valve springs Coil
 i) Nombre de ressorts par soupape
 Number of springs per valve 2

329. Système anti-pollution a) ~~oui~~/non
 Anti pollution system Yes/no
 b) Description
 Description XXXX

330. Système d'allumage: a) Type
 Ignition system: Type XXXX
 b) Nombre de bougies par cylindre
 Number of plugs per cylinder XXXX
 c) Nombre de distributeurs
 Number of distributors XXXX
 d) Nombre de bobines
 Number of coils XXXX

332. Ventilateur de refroidissement a) Nombre
 Cooling fan Number 1
 b) Diamètre de l'hélice
 Diameter of the screw 380 mm
 c) Matériau de l'hélice
 Material of the screw Polypropylene
 d) Nombre de pales
 Number of blades 7
 e) Type de connexion
 Type of connection Slide
 f) Ventilateur débrayable oui/yes
 Automatic cut in yes/yes



333. Système de lubrification: a) Type Wet sump b) Nombre de pompes à huile 1
 Lubrification system: Type Wet sump Number of oil pumps 1
 c) Capacité totale 7.5 L
 Total capacity 7.5 L
 d) Radiateur(s) d'huile oui / ~~non~~ Nombre 1
 Oil radiator(s) yes / ~~no~~ Number 1
 e) Emplacement du/des radiateurs In engine compartment
 Position of the radiator(s) In engine compartment

5. EQUIPEMENT ELECTRIQUE / ELECTRICAL EQUIPEMENT

501. Batterie(s): a) Nombre 2
 Battery(ies): Number 2
 b) Tension 24 V c) Emplacement In engine compartment
 Tension 24 V Location In engine compartment
 502. Génératrice(s) a) Nombre 1
 Generator(s) Number 1
 b) Type Alternator c) Système d'entraînement Belt
 Type Alternator Drive system Belt
 503. Phares escamotables: a) ~~oui~~/non b) Système de commande
 Retractable headlights: yes/no Drive system XXXX

6. TRANSMISSION / DRIVE

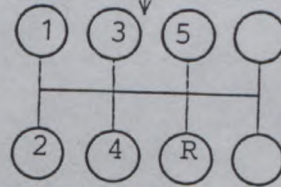
601. Roues motrices: avant arrière
 Driving wheels: front rear
 602. Embrayage a) Type Dry
 Clutch Type Dry
 b) Système de commande Hydraulic
 Drive system Hydraulic
 c) Nombre de disques 1 d) Diamètre du(des) disque(s) 275 ± 2 mm
 Number of plates 1 Diameter of the plate(s) 275 ± 2 mm
 603. Boîte de vitesses: a) Emplacement Attached to engine in engine compartment
 Gear-box: Location Attached to engine in engine compartment
 b) Marque «manuelle» AISIN c) Marque «automatique» XXXX
 «Manual» make AISIN «Automatic» make XXXX
 d) Emplacement de la commande Floor
 Location of the gear lever Floor



603. Boîte de vitesse
Gearbox
e) rapports
ratios

	Manuelle / Manual			Automatique / Automatic		
	rapports ratio	nombre de dents / number of teeth	synchro.	rapports ratio	nombre de dents / number of teeth	synchro.
1	4.843	41/14	x			
2	2.619	38/24	x			
3	1.516	33/36	x			
4	1.000		x			
5	0.845	23/45	x			
AR/R	4.843	28/14 x41/28				
Constante Constant.	1.654	43/26				

f) Grille de vitesse
Gear change gate



604. Surmultiplication: a) Type
Overdrive: Type xxxx

b) Rapport Ratio xxxx c) Nombre de dents Number of teeth xxxx

d) Utilisable avec les vitesses suivantes Usable with the following gears xxxx

605. Couple final:
Final drive:
a) Type du couple final Type of final drive
b) Rapport Ratio
c) Nombre de dents Teeth number
d) Type de limitation de différentiel (si prévu) Type of differential limitation (if provided)

AV / Front	AR / Rear
<u>Hypoid Gear</u>	<u>Hypoid Gear</u>
<u>4.111</u>	<u>4.111</u>
<u>37/9</u>	<u>37/9</u>
<u>Mechanical locking</u>	<u>Mechanical locking</u>



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e) Rapport de la boîte de transfert High: 1.000 Teeth number 43/32 x 32/43
 Ratio of the transfer box Low: 1.964 Teeth number 43/32 x 38/26

606. Type de l'arbre de transmission Propeller shaft with universal joints
 Type of the transmission shaft

7. SUSPENSION / SUSPENSION

701. Type de suspension: a) AV / Front Rigid axle with leaf spring
 Type of suspension: b) AR / rear Rigid axle with leaf spring

702. Ressorts hélicoïdaux: AV: ~~oui~~/non AR: ~~oui~~/non
 Helicoidal springs: Front: ~~yes~~/no Rear: ~~yes~~/no

a) Matériau
 Material

AV / Front	AR / Rear
xxxx	xxxx

703. Ressorts à lames: AV: ~~oui~~/~~non~~ AR: ~~oui~~/~~non~~
 Leaf springs: Front: ~~yes~~/~~no~~ Rear: ~~yes~~/~~no~~

703. Ressorts à lames A = Lame maitresse / X = lame auxiliaire A = major leaf / X = auxiliary leaf
 Leaf springs 2 = 2è lame / 3 = 3è lame / 4 = 4è lame / 5 = 5è lame 2 = 2nd leaf / 3 = 3rd leaf / 4 = 4th leaf / 5 = 5th leaf

a) Matériau
 Material

A	2	3
Fr : Steel Rr : Steel	Fr : Steel Rr : Steel	Fr : Steel Rr : Steel

a) Matériau
 Material

4	5	6
Fr : Steel Rr : Steel	Fr : Steel Rr : Steel	Fr : xxxx Rr : Steel



704. Barre de torsion: AV: ~~oui~~/non AR: ~~oui~~/non
 Torsion bar: Front: yes/no Rear: yes/no

c) Matériau
Material

AV / Front	AR / Rear
<u>XXXX</u>	<u>XXXX</u>

705. Autre type de suspension: Voir photo/dessin en page 22
 Other type of suspension: See photo or drawing on page 22

706. Stabilisateur : Voir photo/dessin en page 23
 Stabilizer : See photo/drawing on page 23

a) Longueur efficace
Effective length
b) Diamètre efficace
Effective diameter
c) Matériau
Material

AV / Front	AR / Rear
<u>868 ±1%</u> mm	<u>XXXX</u> mm
<u>23.0</u> mm	<u>XXXX</u> mm
<u>Steel</u>	<u>XXXX</u>

707. Amortisseurs:
Shock Absorbers:
a) Nombre par roue
Number per wheel
b) Type
Type

Avant / Front	Arrière / Rear
<u>1</u>	<u>1</u>
<u>Telescopic</u>	<u>Telescopic</u>

8. TRAIN ROULANT / RUNNING GEAR

801. Roues
Wheels

a) Diamètre
Diameter
b) Largeur maximale de jante
Maximal rim width

AV / Front	AR / Rear
<u>16</u> "	<u>16</u> "
<u>406</u> mm	<u>406</u> mm
<u>6</u> "	<u>6</u> "
<u>152</u> mm	<u>152</u> mm

802. Emplacement de la roue de secours
Location of the spare wheel

On the rear tailgate



803. Freins: a) Système de freinage Double, Hydraulic
 Brakes: Braking system
 b) Nombre de maître-cylindres Tandem b1) Alésage 22.2, 22.2 mm
 Number of master cylinders Tandem Bore
 c) Servo-frein oui/non c1) Marque et type Make: AISIN Type: Vacuum
 Power assisted brakes yes/no Make and type
 d) Régulateur de freinage oui/non d1) Emplacement Side frame
 Braking adjuster yes/no Location

	Avant / Front	Arrière / Rear
e) Nombre de cylindres par roue: Number of cylinders per wheel:	<u>4</u>	<u>1</u>
e1) Alésage Bore	<u>42.9 / 34.0</u> mm	<u>25.4</u> mm
f) Freins à tambours: Drum brakes:		
f1) Diamètre intérieur Interior diameter	<u>XXXX</u> mm (± 1.5 mm)	<u>295</u> mm (± 1.5 mm)
f2) Nombre de mâchoires par roue. Number of shoes per wheel	<u>XXXX</u>	<u>2</u>
f3) Surface de freinage Braking surface	<u>XXXX</u> cm ²	<u>XXXX</u> cm ²
f4) Largeur des garnitures Width of the shoes	<u>XXXX</u> mm	<u>60 ± 1</u> mm
g) Freins à disques: Disc brakes:		
g1) Nombres de sabots par roue Number of pads per wheel	<u>2</u>	<u>XXXX</u>
g2) Nombre d'étriers par roue Number of calipers per wheel	<u>1</u>	<u>XXXX</u>
g3) Matériau des étriers Caliper material	<u>Cast-iron</u>	<u>XXXX</u>
g4) Epaisseur maximale du disque Maximum disc thickness	<u>20.0 ± 1</u> mm	<u>XXXX</u> mm
g5) Diamètre extérieur du disque Exterior diameter of the disc	<u>302</u> mm (± 1.5 mm)	<u>XXXX</u> mm (± 1.5 mm)
g6) Diamètre extérieur de frottement des sabots Exterior diameter of the shoe s rubbing surface	<u>300 ± 1.5</u> mm	<u>XXXX</u> mm
g7) Diamètre intérieur de frottement des sabots Interior diameter of the shoe s rubbing surface	<u>195 ± 1.5</u> mm	<u>XXXX</u> mm
g8) Longueur hors-tout des sabots Overall length of the snoes	<u>106 ± 1.5</u> mm	<u>XXXX</u> mm
g9) Disques ventilés Ventilated disc	<u>oui/non</u> <u>yes/no</u>	<u>oui/non</u> <u>yes/no</u>
g10) Surface de freinage par roue Braking surface per wheel	<u>XXXX</u> cm ²	<u>XXXX</u> cm ²

h) Frein de stationnement: Central tunnel h1) Systeme de commande Cable
 Parking brake: Command system
 h2) Emplacement de la commande between seats h3) Effet sur roues AV AR
 Location of the lever On which wheels Front Rear



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804. Direction: a) Type Recirculating ball
 Steering: Type _____
 b) Rapport Ratio 18.7 : 1 c) Servo-assistance oui/non
 Power assisted yes/~~no~~

9. CARROSSERIE / BODYWORK

901. Intérieur: a) Ventilation oui/~~non~~ b) Chauffage oui/~~non~~
 Interior: Ventilation yes/~~no~~ Heating yes/~~no~~
 c) Climatisation ~~oui~~/non
 Air conditioning ~~yes~~/no

d) Sièges
 Seats

AR / Rear	AV / Front
Bench	Separate
oui/ non yes/ no	oui/ non yes/ no
<u>24.9 ± 1</u> kg	Driver's seat :14.0±1 Passenger's seat:14.4±1 kg

d1) Type
 Type

d2) Appuie-tête
 Headrest

d3) Poids
 Weight

d4) Siège AR rabattable oui/~~non~~
 Car rear seat be folded yes/~~no~~

e) Plaque arrière ~~oui~~/non
 Rear ledge yes/no

e1) Matériau Material xxxx

f) Toit ouvrant optionnel oui/~~non~~
 Sun roof optional yes/~~no~~

f1) Type Type Sliding

f2) Système de commande Command system Electrical

g) Système d'ouverture des vitres latérales: AV/Front: Manual
 Opening system for the side windows: AR/Rear: Manual

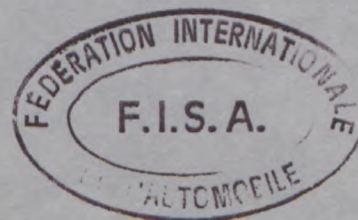
902. Extérieur: a) Nombre de portes 2
 Exterior: Number of doors

b) Hayon AR oui/~~non~~
 Rear tailgate yes/~~no~~ Steel
 AV/Front: _____
 AR/Rear: xxxx

d) Matériau du capot AV Front bonnet material Steel

e) Matériau du capot/hayon AR Rear bonnet / tailgate material Steel, Safety Glass

f) Matériau de la carrosserie Bodywork material Steel



- k) Matériau des vitres latérales avant Safety Glass
 Front side window material
- l) Matériau du pare-choc avant Steel
 Material of the front bumper
- m) Matériau du pare-choc arrière Steel
 Material of the rear bumper
- n) Essuie-glace AR oui/non
 Rear wiper yes/no

INFORMATIONS COMPLEMENTAIRES

COMPLEMENTARY INFORMATION

- [1] 321(e) Angle between the axis of the inlet valve and the outlet valve : 0°
- [2] 334(f3) Standard pressure : 0.64 BAR (MAX)
 (f4) Measuring pressure system : Pressure on the actuator when the westegate control rod moves (displacement 0 mm).

[3]

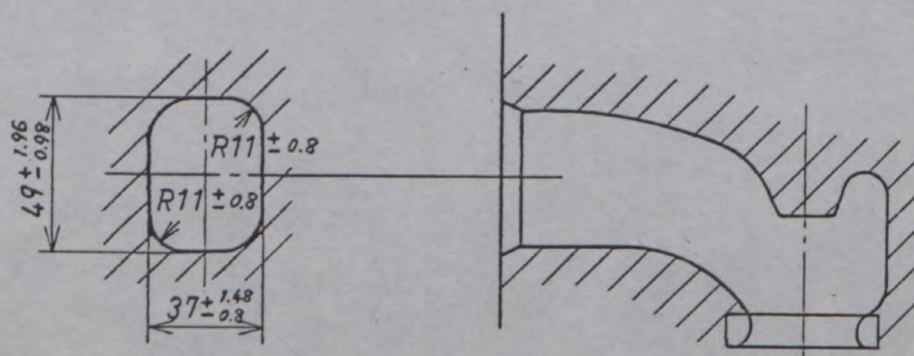
		Front & Rear	
605	(b) Ratio	3.700	4.556
	(c) Teeth number	37/10	41/9
	(d) Type of differential limitation	LSD	

[4] Drawings

Engine

1 Cylinderhead inlet ports, manifold side

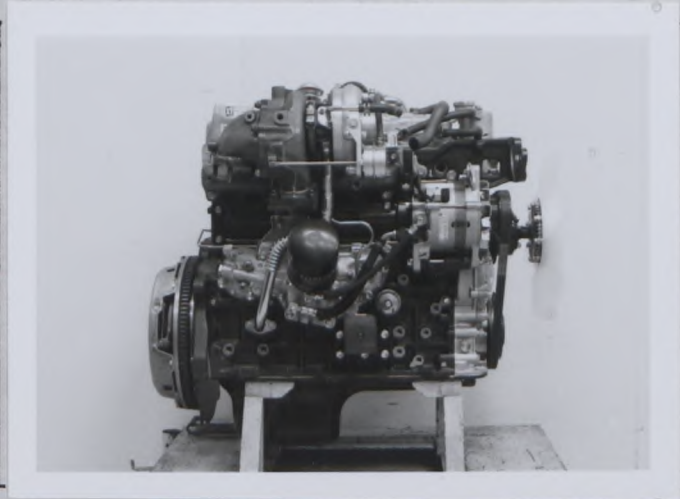
Drawing of No.1,2&4 ports



PHOTOS / PHOTOS

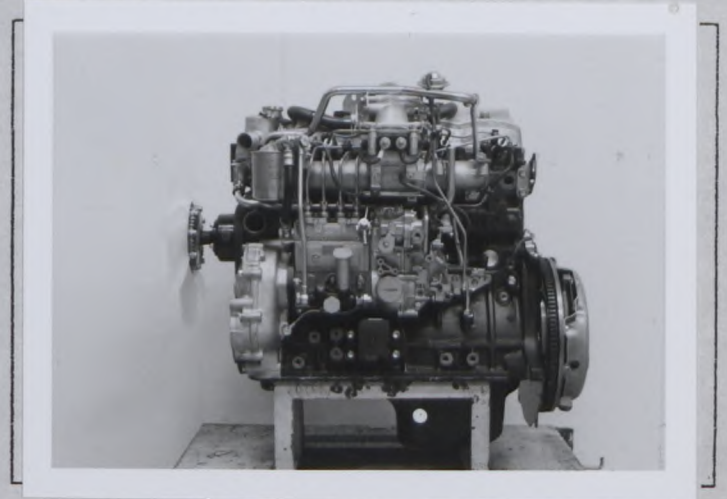
Moteur / Engine

C) Profil droit du moteur déposé
Right hand view of dismantled engine



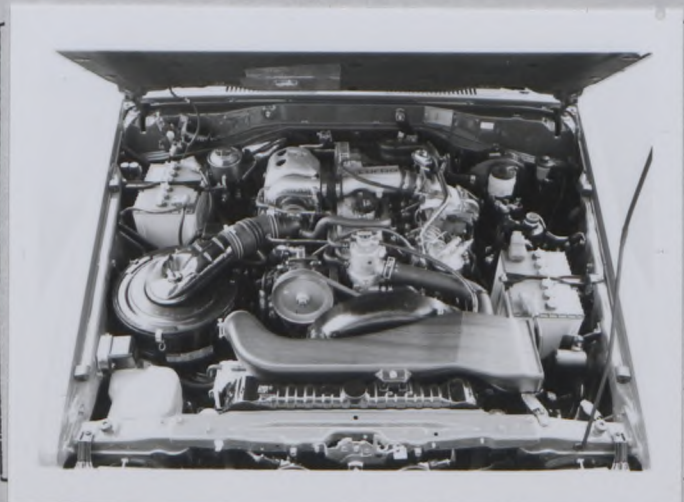
88-Nov-2-3

D) Profil gauche du moteur déposé
Left hand view of dismantled engine



88-Nov-2-6

E) Moteur dans son compartiment
Engine in its compartment



88-Nov-9-18

F) Culasse nue
Bare cylinderhead



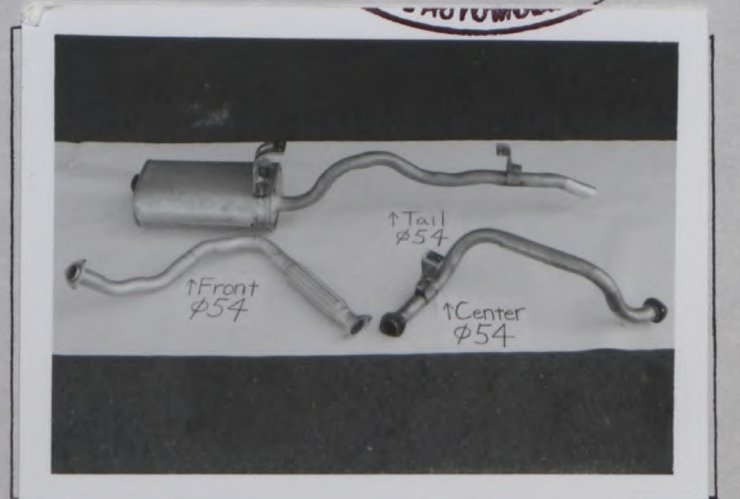
88-Nov-8-31

AA) Piston de profil
Piston profile



88-Nov-5-34

BB) Echappement complet
Complete exhaust system



88-Nov-3-29

Tolerance±5%



Marque
Make

TOYOTA

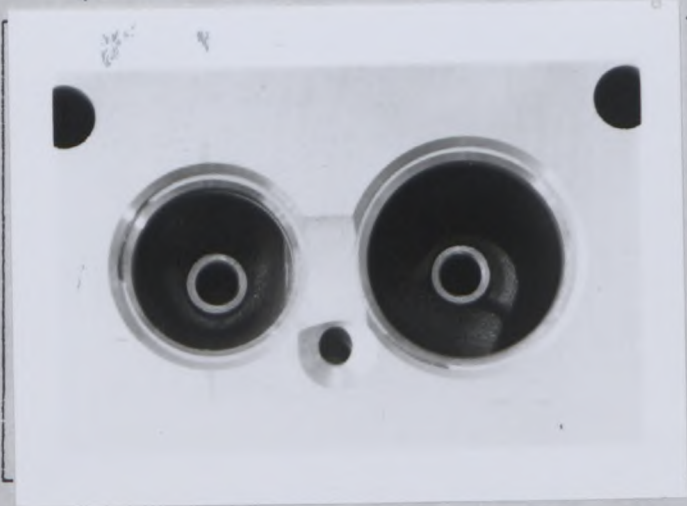
Modèle
Model

BJ71V

N° Homol.

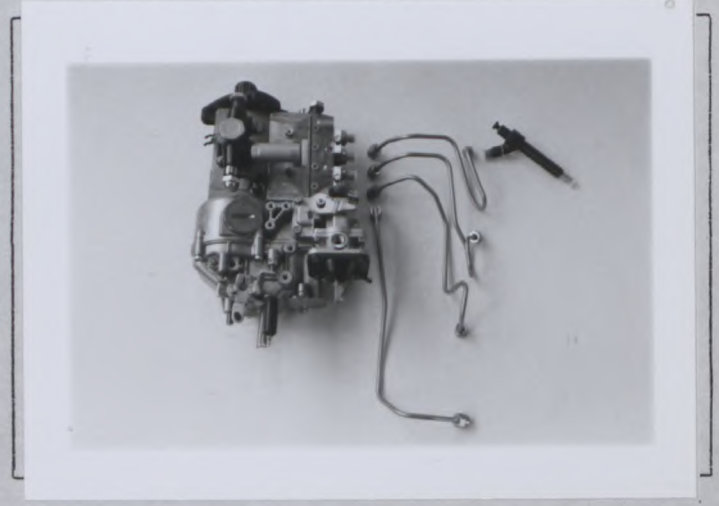
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G) Chambre de combustion
Combustion chamber



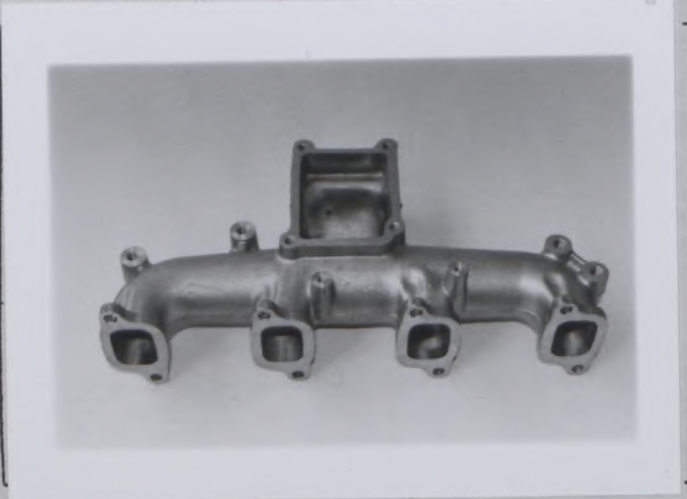
88-Nov-5-1

H) Carburateur(s) ou système d'injection
Carburetor(s) or injection system



88-Nov-5-5

I) Collecteur d'admission
Inlet manifold



Transmission / Transmission

88-Nov-5-19

J) Collecteur d'échappement
Exhaust manifold

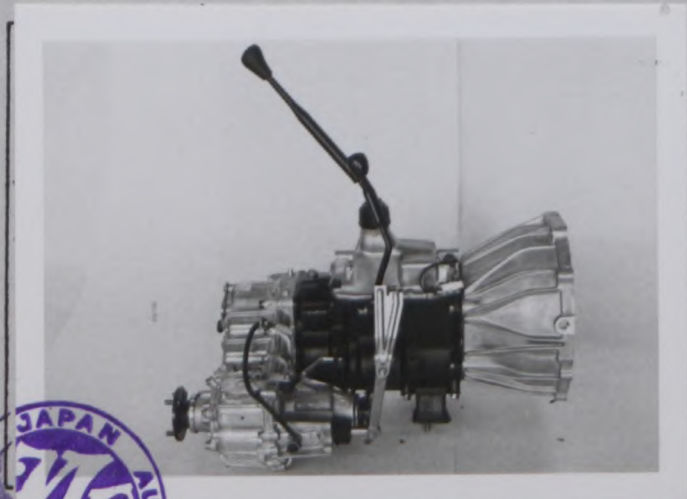


88-Nov-5-30

φ58.0mm

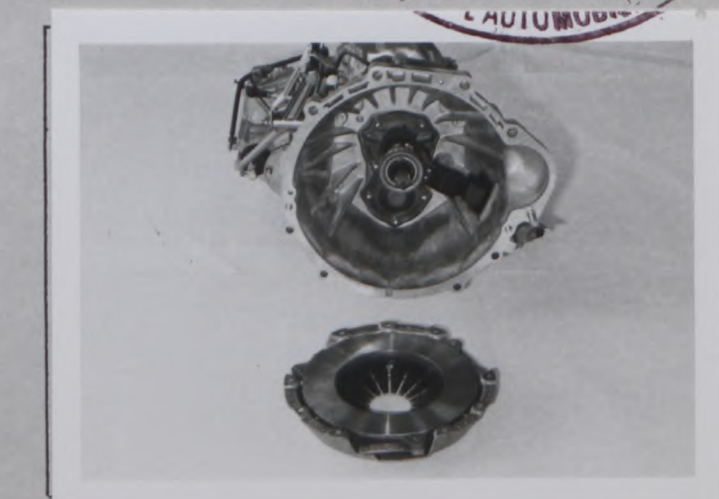


S) Carter de boîte de vitesse et cloche d'embrayage
Gearbox casing and clutch bellhousing



88-Nov-4-14

CC) Embrayage
clutch



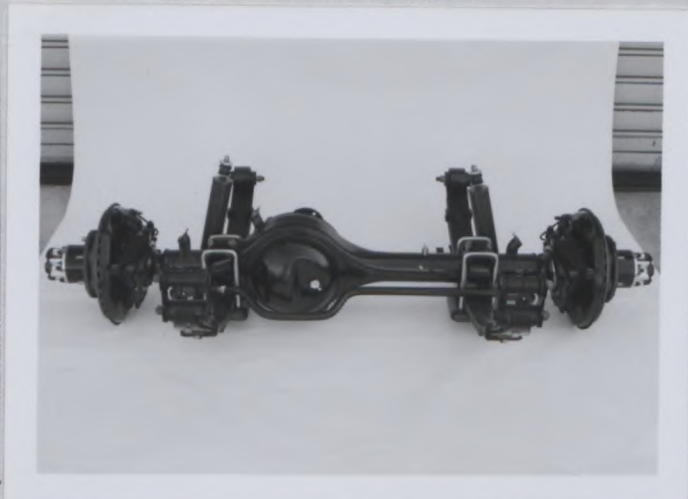
88-Nov-4-20



Suspension / Suspension

T) Train avant complet déposé

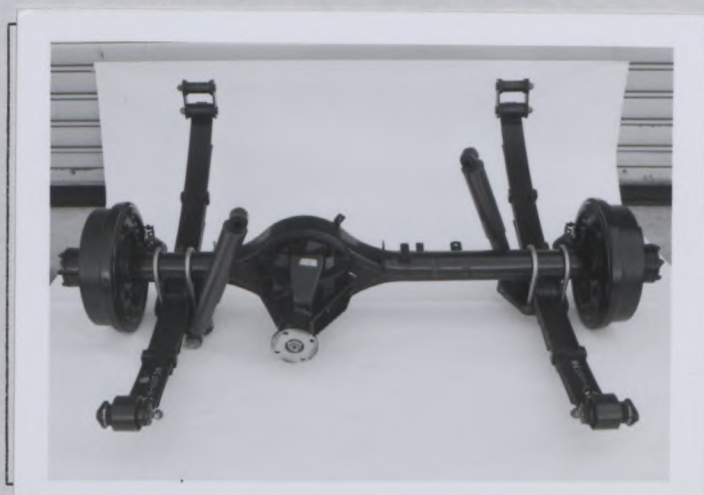
Complete dismantled front running gear



88-Nov-3-8

U) Train arrière complet déposé

Complete dismantled rear running gear



88-Nov-3-3

Train roulant / Running gear

V) Freins avant

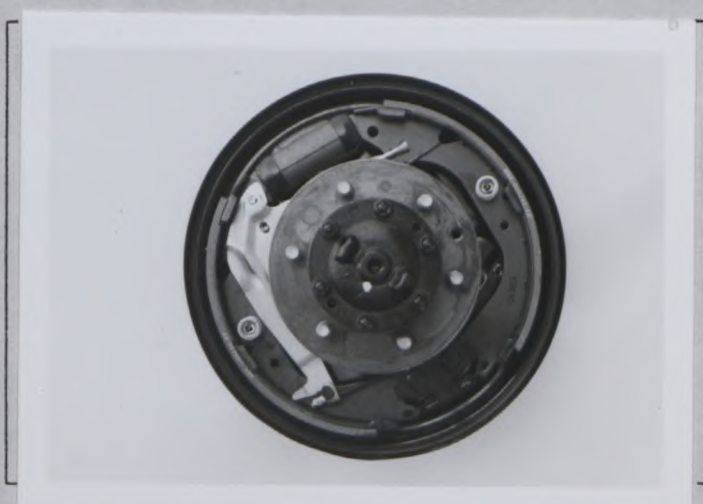
Front brakes



88-Nov-3-14

W) Freins arrière

Rear brakes



88-Nov-3-6

EE) Roue de secours dans son emplacement

Spare wheel in its location



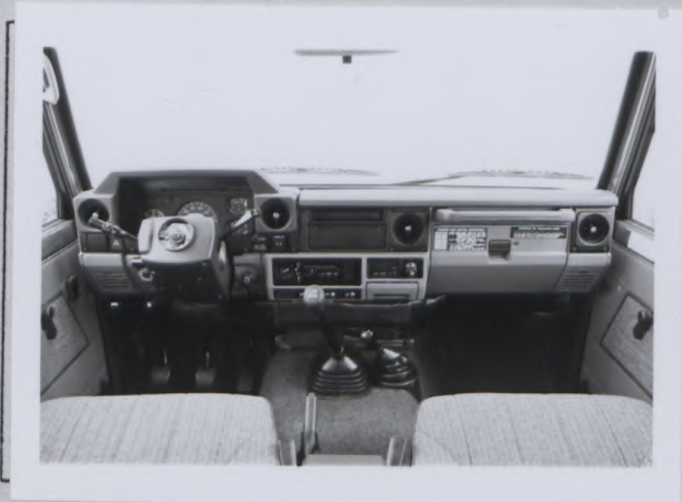
88-Nov-8-23



Marque TOYOTA Modele BJ71V N° Homol. T-1007
Make _____ Model' _____

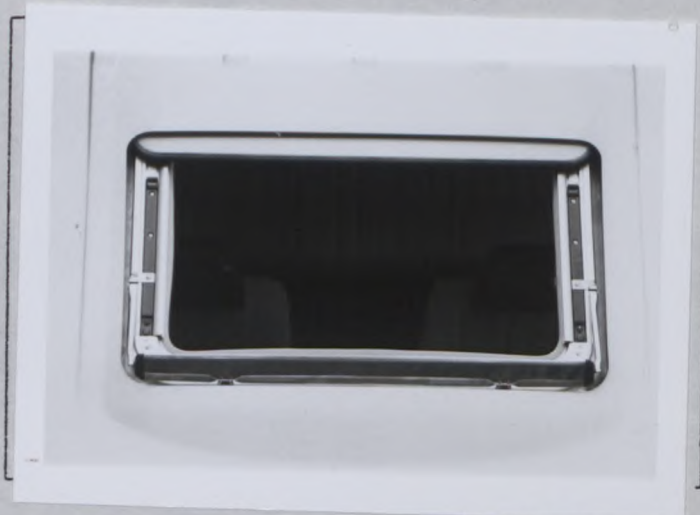
Carrosserie / Bodywork

X) Tableau de bord
Dashboard



88-Nov-9-20

Y) Toit ouvrant
Sunroof



88-Nov-8-26



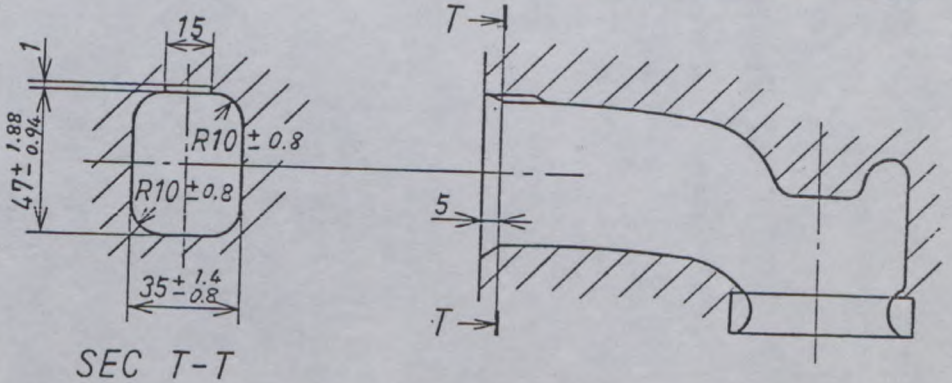
DESSINS / DRAWINGS

Moteur / Engine

I Orifices d'admission de la culasse, face collecteur

Cylinderhead inlet ports, manifold side

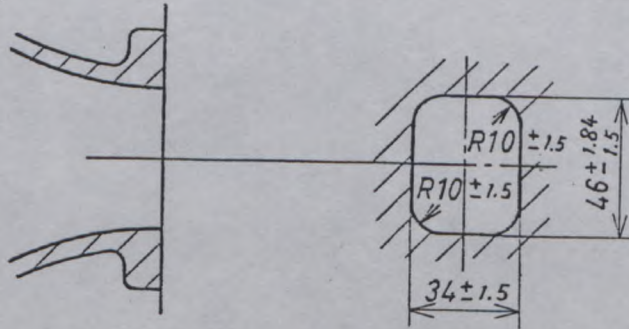
This shows No.3 port.
Others show on complementary information. (see Page 13)



SEC T-T

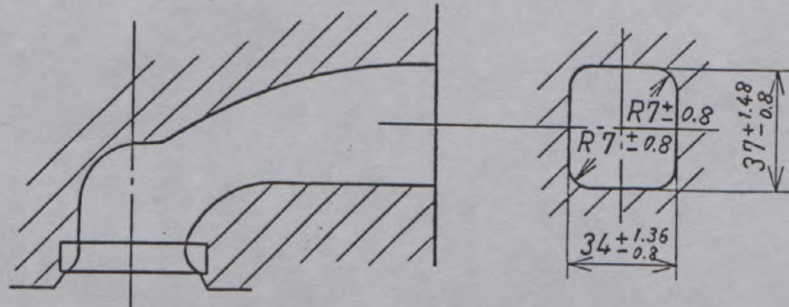
II Orifices du collecteur d'admission, côté culasse

Inlet manifold ports, cylinderhead side



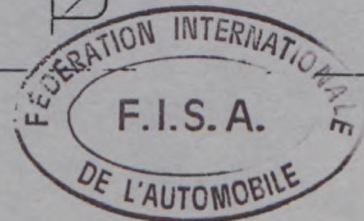
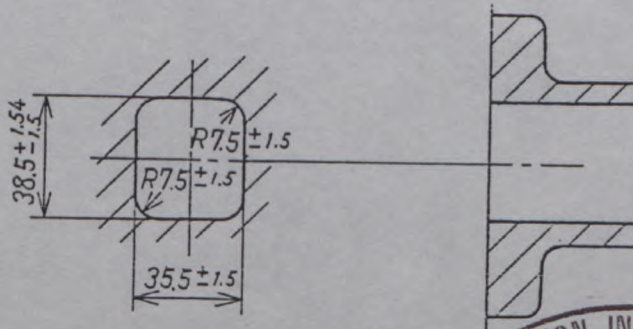
III Orifices d'échappement de la culasse, face collecteur

Cylinderhead exhaust ports, manifold side



IV Orifices du collecteur d'échappement, côté culasse

Exhaust manifold ports, cylinderhead side



Marque TOYOTA Modèle BJ71V N° Homol. T-1007
Make _____ Model _____

Suspension / Suspension

- XV Système de suspension, selon l'article 705 ou en remplacement des photos O et P.
Suspension system according to article 705 or replacing photos O and P.

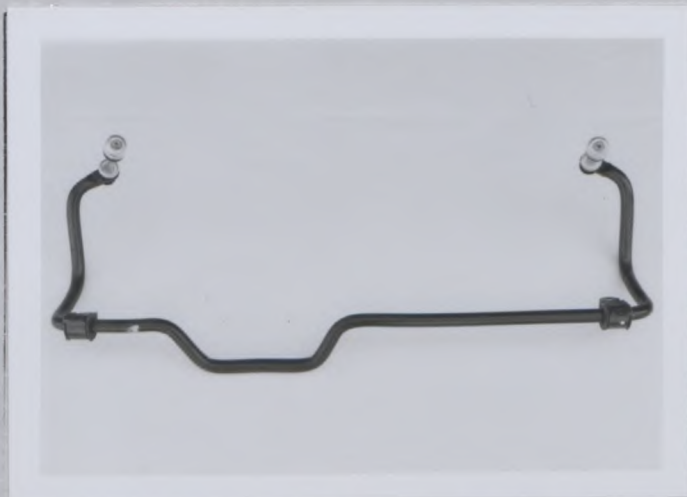
XXXX



Marque TOYOTA Modèle BJ71V N° Homol. T-1007
Make _____ Model _____

Suspension / Suspension

XVI Stabilisateur Selon article 706
Stabilizer According to article 706



88-Nov-3-11





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

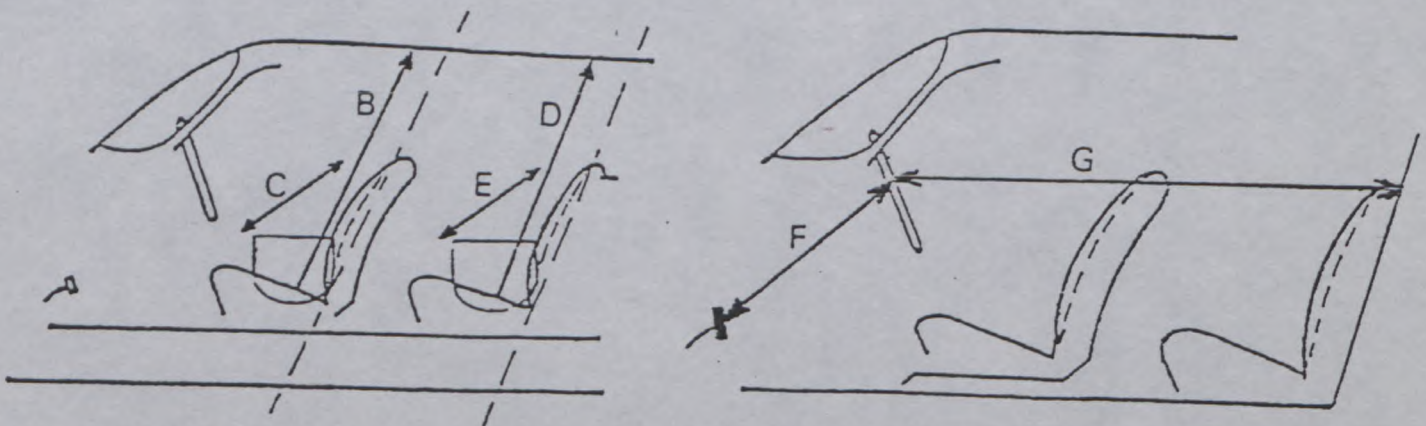
T-1007

Groupe **Tout-Terrain**
Group

Marque TOYOTA MOTOR CORPORATION
Make

Modèle TOYOTA LAND CRUISER (BJ71V)
Model

Dimensions intérieures comme définies par le Règlement d'Homologation
Interior dimensions as defined by the Homologation Regulations.



B (Hauteur sur sièges avant) (Height above front seats)	1054	mm
C (Largeur aux sièges avant) (Width at front seats)	1300	mm
D (Hauteur sur sièges arrière) (Height above rear seats)	1017	mm
E (Largeur aux sièges arrière) (Width at rear seats)	1250	mm
F (Volant - Pédale de frein) (Steering wheel - brake pedal)	627	mm
G (Volant - paroi de separation arrière) (Steering wheel - rear bulkhead)	1511	mm
H = F+G =	2138	mm





FEDERATION INTERNATIONALE
DU SPORT AUTOMOBILE
JAPAN AUTOMOBILE FEDERATION

FISA Homologation No

T-1007



社団法人 日本自動車連盟

JAF公認番号 FT-017

Group ~~A~~ / ~~B~~
グループ ~~A~~ / ~~B~~
T

JAF公認グループ _____

JAF発効年月日 _____

ADDITIONAL HOMOLOGATION FORM FOR TURBO CHARGED ENGINES

ターボチャージャーエンジンの追加公認書

Vehicle: Manufacturer TOYOTA MOTOR CORPORATION Model and type TOYOTA LAND CRUISER(BJ71V)
車両: 製造者 _____ 型式とモデル _____

Homologation valid as from 01 JAN. 1989 in group T
有効年月日 _____ グループ _____

334. Turbocharging ターボチャージャー a) Make and type of the turbocharger MAKE:TOYOTA TYPE:CT26
ターボチャージャーの製造者と型式 _____

b) Turbine housing: タービンハウジング b1) Number of exhaust gas entries 1
排気ガスのタービン入口穴数 _____

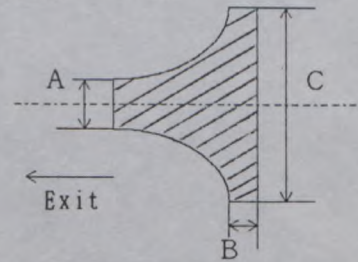
b2) Material CAST-IRON
材質 _____

c) Turbine wheel: タービンホイール c1) Material NI-ALLOY
材質 _____

c2) Number of blades 10 c3) Height(s) of blade 27.5 ± 0.3 mm
翼の数 _____ 翼の高さ _____

c4) Indicate the dimensions A, B, C, according to the following sketch:
下図に従い、寸法A, B, Cを記載

A = 52.0 ± 0.1 mm
B = 11.5 +0.4 / -0.2 mm
C = 68.0 +0 / -0.6 mm



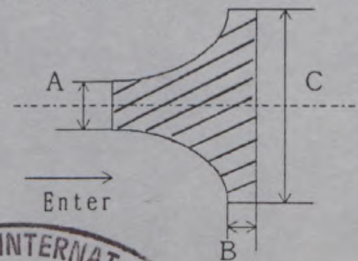
d) Impeller housing: インペラーハウジング d1) Number of air entries (gas) 1
空気取入口穴数 _____

d2) Material ALUMINUM ALLOY
材質 _____

e) Impeller wheel: インペラーホイール e2) Number of blades 10 e3) Height(s) of blade 21.0 ± 0.8 mm
翼の数 _____ 翼の高さ _____

e4) Indicate the dimensions A, B, C, according to the following sketch:
下図に従い、寸法A, B, Cを記載

A = 42.1 +0.1 / -0.15 mm
B = 4.7 ± 0.65 mm
C = 65.0 +0.15 / -0.30 mm



Make
会社名 TOYOTA

Model
型式 BJ71V

Homologation No T-1007

f) Pressure regulation:
過給圧の調整

f1) Type of pressure adjustment:
過給圧調整装置の形式 by-pass バイパス relief valve リリーフバルブ other case 他の方式

f2) Indicate the type of the valve and its control SWING VALVE
バルブの形式と制御方法

g) Exhaust system:
排気システム

Internal dimensions of the eventual exhaust pipes between exhaust manifold and turbocharger
(sketch)
エキゾーストマニホールドとターボチャージャーの間の排気管の内部寸法 (図)

××××

h) Cooling of intake air: yes/no

h1) Intercooler: yes/no

position of the assembly: ××××

Inlet diameter: ××××

Outlet diameter: ××××

h2) Exchanger: yes/no

position of the assembly: ××××

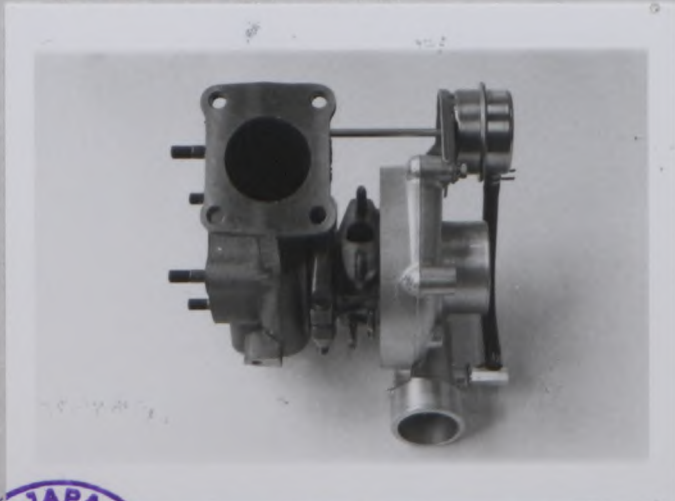
h3) Cooling of the turbo by water: yes/~~no~~

h4) Water injection: yes/no

PHOTOS

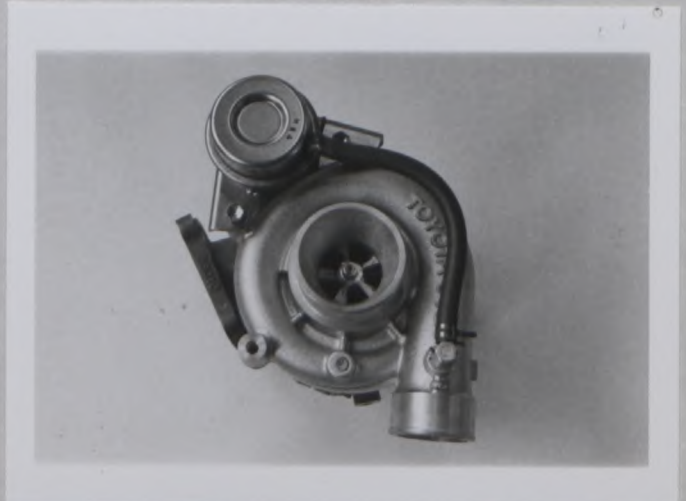
写真

K) Plan view of turbocharger
ターボチャージャーの平面



88-Nov-7-19

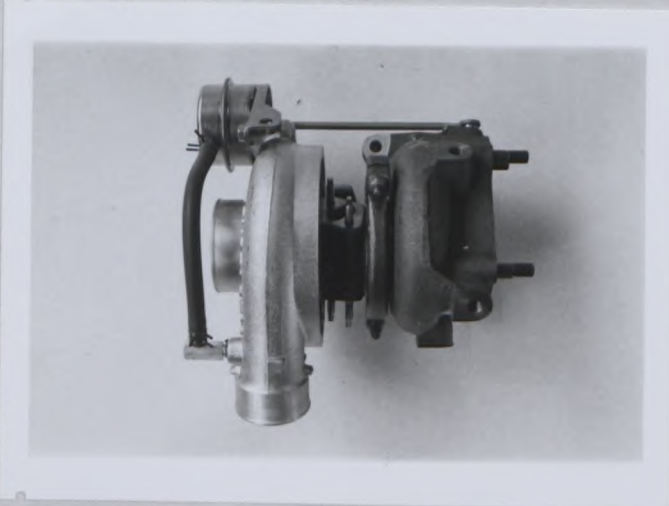
L) Front view of turbocharger
ターボチャージャーの正面



88-Nov-7-23



M) Side view of turbocharger
ターボチャージャーの側面



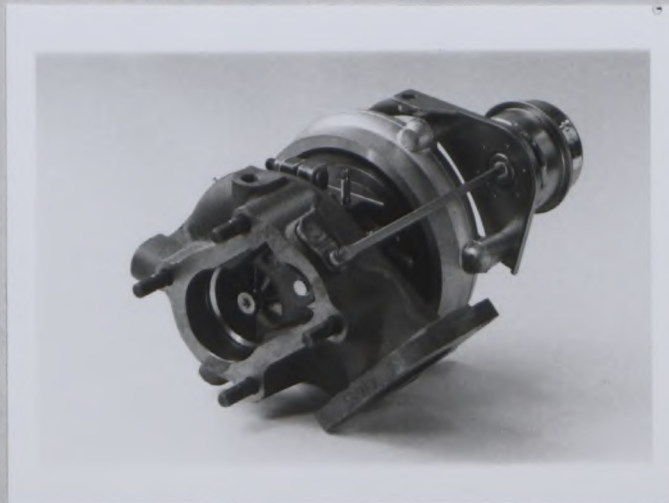
88-Nov-7-27

N) Turbine housing of turbocharger
ターボチャージャーのタービンハウジング



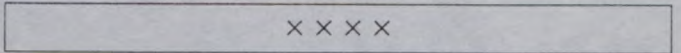
88-Nov-6-18

O) Valve and by-pass installation of turbocharger
過給圧調整装置

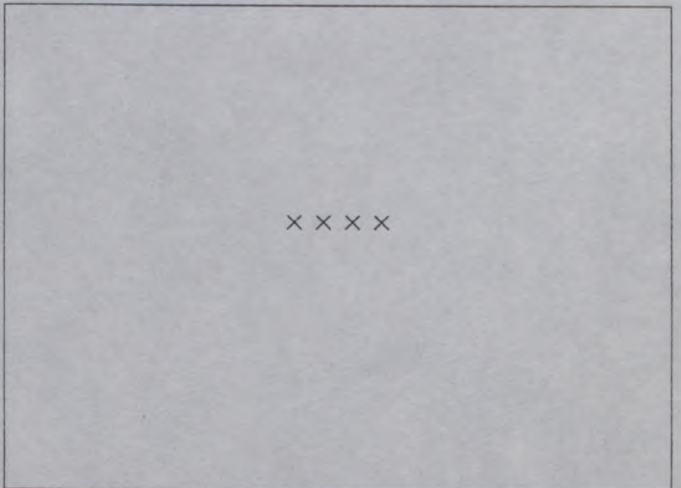


88-Nov-7-34

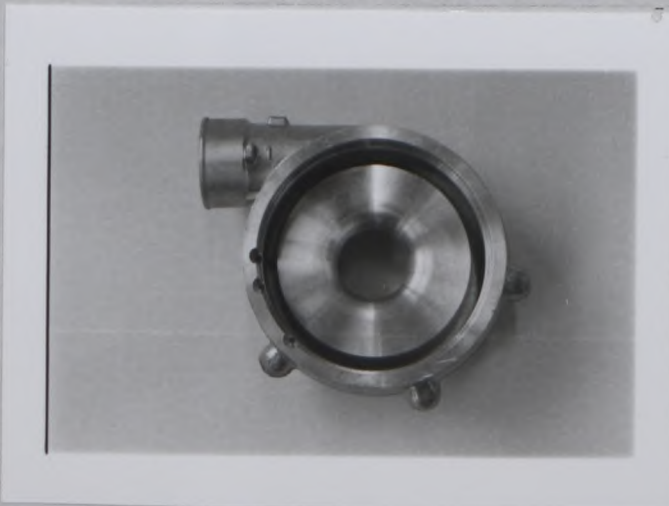
P) Eventual exhaust pipes between the exhaust manifold and the turbocharger
エキゾーストマニホールドとターボチャージャーの間の排気管



h1) Intercooler

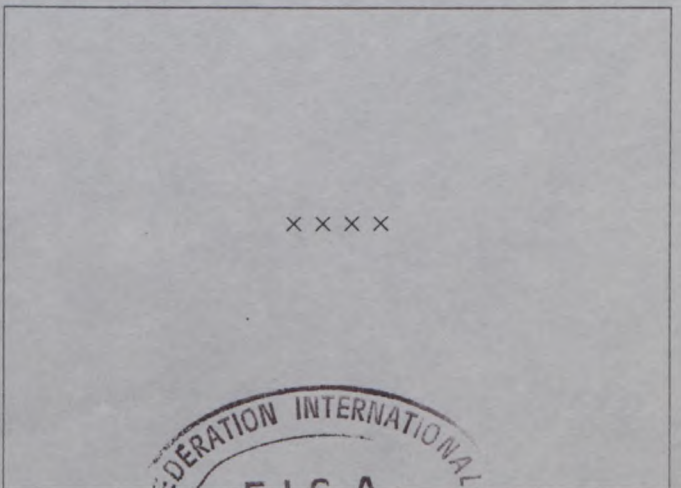


Q) Impeller housing of turbocharger
ターボチャージャーのインペラーハウジング



88-Nov-6-25

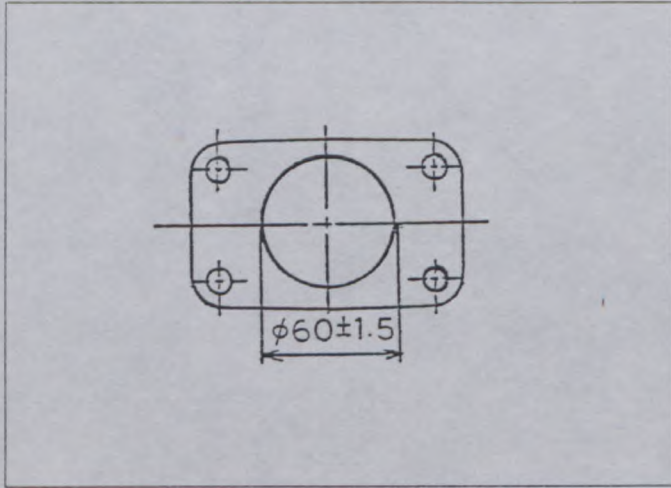
h2) Vehicle installation of intercooler



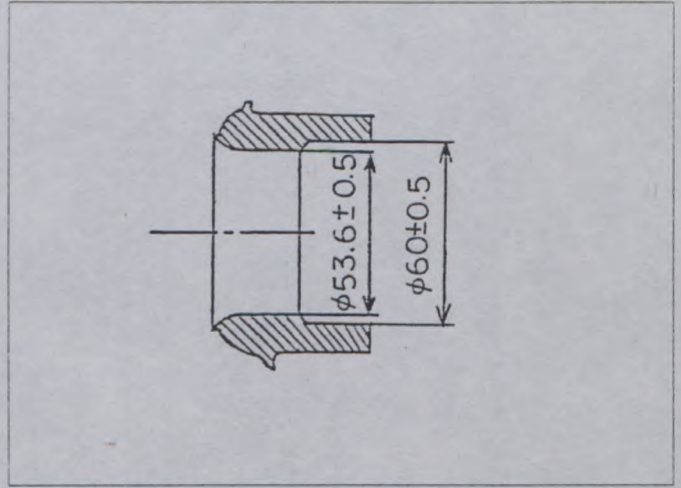
DRAWINGS

図面

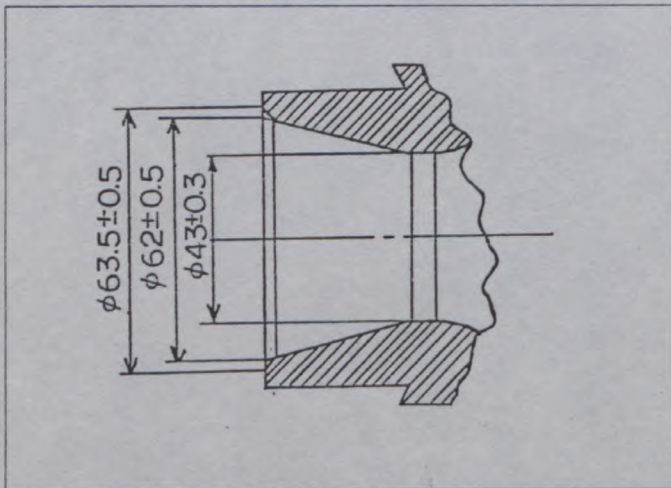
V) Exhaust gas entry in the turbine housing of turbocharger
タービンハウジングの排気ガス入口



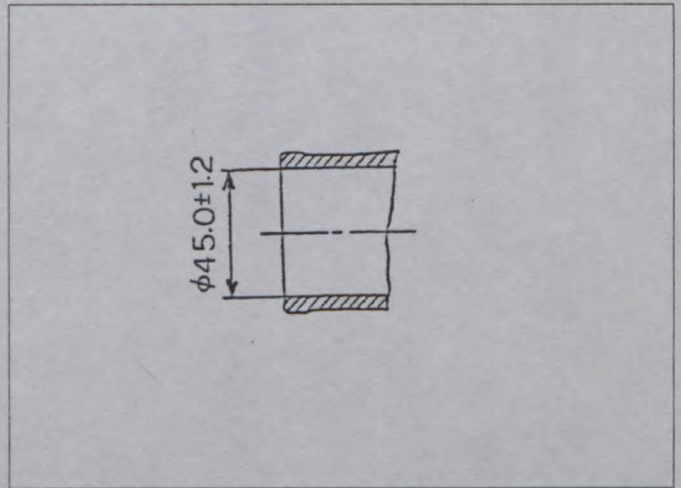
VI) Exhaust gas exit of the turbine housing of turbocharger
タービンハウジングの排気ガス出口



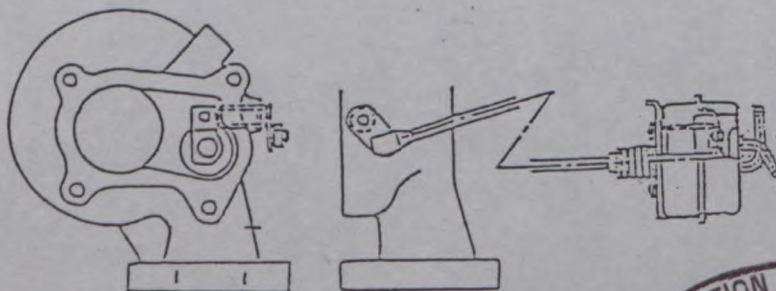
VII) Air (gas) entry in the impeller housing of the turbocharger
インペラーハウジングの空気取入口



VIII) Air (gas) exit of the impeller housing of the turbocharger
インペラーハウジングの空気出口



IX) Device regulating the turbocharging pressure
過給圧調整装置





FEDERATION INTERNATIONALE
DU SPORT AUTOMOBILE
JAPAN AUTOMOBILE FEDERATION



社団法人 日本自動車連盟

PRODUCTION CERTIFICATE
生産証明書

Manufacturer
製造者 TOYOTA MOTOR CORPORATION

Date
年月日 OCTOBER 10, 1988

Car Model
型式 BJ71V
TOYOTA LAND CRUISER

Type or
commercial designation
タイプまたは通称名 TOYOTA LAND CRUISER

Homologation No.
車両公認 No. T-1007

Nature of the extension
追加公認の種類 _____

I hereby certify that the production indicated
opposite concerns cars which are entirely
completed, identical and in conformity with the
recognition form submitted for the said model.

右に記載された生産は、完全に完成され、また同一
型式車両であり、当該型式について提出された公認
書に完全に一致していることをここに証明いたします。

Signature
署名 Kiroku Shimura
KIROKU SHIMURA

Position
所属役職 ASSISTANT GENERAL MANAGER
TECHNICAL ADMINISTRATION DEPARTMENT

Month/year 月/年		Number 生産数
1	Dec. 1987	8 6
2	Jan. 1988	1 1 4
3	Feb. 1988	1 1 0
4	Mar. 1988	1 3 1
5	Apr. 1988	9 8
6	May 1988	1 4 5
7	Jun. 1988	1 7 2
8	Jul. 1988	1 1 4
9	Aug. 1988	3 8
10	Sep. 1988	4 0
11		
12		
TOTAL		1 0 4 8

Remarks:
注

