



FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

T-1002

Groupe Tout-Terrain
Group Tout-Terrain

FT-009

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

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

Photo A



Photo B



1. DEFINITIONS / DEFINITIONS

101. Constructeur MITSUBISHI MOTORS CORP.
Manufacturer

102. Dénomination(s) commerciale(s) — Modèle et type PAJERO TURBO 2 (L144G)
Commercial name(s) — Type and model

103. Cylindrée totale (2,476.8 x 1.7) 4,210.6 cm³
Cylinder capacity

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

105. Nombre de volumes 2
Number of volumes

106. Nombre de places 4
Number of places



Signature

Marque MITSUBISHI Modèle PAJERO (L144G) N° Homol. T-1002
Make MITSUBISHI Model PAJERO (L144G)

2. DIMENSIONS, POIDS / DIMENSIONS, WEIGHT

201. Poids minimum
Minimum weight 1,400 kg
202. Longueur hors-tout
Overall length 3,995 mm $\pm 1\%$
203. Largeur hors-tout
Overall width 1,695 mm $\pm 1\%$ Endroit de la mesure
Where measured At rear axle
204. Largeur de la carrosserie:
Width of bodywork:
a) A la hauteur de l'axe AV
At front axle 1,690 mm $\pm 1\%$
b) A la hauteur de l'axe AR
At rear axle 1,695 mm $\pm 1\%$
206. Empattement: a) Droit
Wheelbase: Right 2,350 mm $\pm 1\%$ b) Gauche:
Left: 2,350 mm $\pm 1\%$
207. Voie maximum AV
Maximum track Front 1,400 mm AR
Rear 1,415 mm
209. Porte-à-faux: a) AV:
Overhang: Front: 745 mm $\pm 1\%$ b) AR:
Rear: 900 mm $\pm 1\%$
210. Distance «G» (volant — paroi de séparation AR)
Distance «G» (steering wheel — rear bulkhead) 1,480 mm $\pm 1\%$

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 Vertical angle
Inclination (F/R) : 5° 50'
: 0°
302. Nombre de supports
Number of supports 3
303. Cycle
Cycle Diesel (4)



304. Suralimentation oui/non; type Exhaust Turbocharger
 Supercharging yes/~~no~~; type _____
 '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 _____

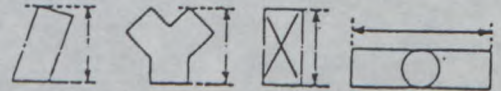
307. Cylindrée: a) Unitaire (619.2 x 1.7) b) Totale
 Cylinder capacity: a) Unitary 1052.6 cm³ b) Total (2476.8 x 1.7) 4210.6 cm³

308. Volume minimal total d'une chambre de combustion 29.0 cm³
 Total minimum volume of a combustion chamber _____

309. Volume minimum d'une chambre de combustion dans la culasse 19.2 cm³
 Minimum volume of a combustion chamber in the cylinderhead _____

310. Rapport volumétrique maximum (par rapport à l'unité) 22.4 : 1
 Maximum compression ratio (in relation with the unit) _____

311. Hauteur minimum du bloc-cylindres 319 mm
 Minimum height of the cylinder block _____



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

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

314. Alésage 91.1 mm
 Bore _____

316. Course 95.0 mm
 Stroke _____

317. Piston a) Matériau Al - Alloy
 Piston Material _____
 b) Nombre de segments 3 c) Poids minimum 675 g
 Number of rings _____ Minimum weight _____
 d) Distance de la médiane de l'axe au sommet du piston 48.7 ± 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 0.7 ± 0.15 mm
 Distance (+/-) between the top of the piston at TDC and the gasket plane of the cylinder block _____
 f) Volume de l'évidement du piston 11.0 ± 0.5 cm³
 Piston groove volume _____



Marque MITSUBISHI Modèle PAJERO (L144G) N° Homol. T - 1002
Make _____ Model _____

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): 56.0 mm $\pm 0.1\%$
Interior diameter of the big end (without bearings): _____
d) Longueur entre axes: 158 mm (± 0.1 mm) e) Poids minimum: 1,025 g
Length between the axes: _____ Minimum weight: _____

319. Vilebrequin: a) Type de construction Integral
Crankshaft: Type of manufacture _____
b) Matériau Steel
Material _____
c) coulé estampé
 moulded stamped d) Nombre de paliers 5
Number of bearings _____
e) Type de paliers Plain
Type of bearings _____
f) Diamètre des paliers 66 mm $\pm 0.2\%$
Diameter of bearings _____
g) Matériau des chapeaux des paliers Cast - iron
Bearing caps material _____
h) Poids minimum du vilebrequin nu 17,400 g
Minimum weight of the bare crankshaft _____
i) Diamètre maximum des manetons 53 mm
Maximum diameter of big end journals _____

320. Volant moteur: a) Matériau Cast - iron
Flywheel: Material _____
b) Poids minimum avec couronne de démarreur 19,800 g
Minimum weight of the flywheel with starter ring _____

321. Culasse: a) Nombre de culasses 1 b) Matériau Aluminum Alloy
Cylinderhead: Number of cylinderheads _____ Material _____
c) Hauteur minimum 93.9 mm
Minimum height _____
d) Endroit de la mesure Sealing surface cylinder block and head - Sealing surface
Where measured _____ valve cover

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

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



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

324. Alimentation par injection:

a) Marque: DIESEL KIKI
 Manufacturer: _____

Fuel feed by injection:

b) Modèle du système d'injection: Diesel Fuel Injection (VE Type pump)
 Model of injection system: _____

- c) Mode de dosage du carburant: mécanique électronique hydraulique
 Kind of fuel measurement: mechanical electronical hydraulical
- c1) Plongeur oui/non c2) Mesure du volume d'air oui/non
 Piston pump yes/no Measurement of air volume yes/no
- c3) Mesure de la masse d'air oui/non c4) Mesure de la vitesse de l'air oui/non
 Measurement of air mass yes/no Measurement of air speed yes/no
- c5) Mesure de la pression d'air oui/non Quelle est la pression de réglage?
 Measurement of air pressure yes/no 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 XXXX mm
 Effective dimensions of measure position in the throttle area _____

e) Nombre des sorties effectives de carburant 4
 Number of effective fuel outlets _____

f) Position des soupapes d'injection: Canal d'admission Culasse
 Position of injection valves: Inlet manifold Cylinderhead

g) Parties du système d'injection servant au dosage du carburant _____
 Statement of fuel measuring parts of injection system _____

Injection pump with boost compensator (Mechanical governor built-in type)

325. Arbre à cames: a) Nombre 1 b) Emplacement TOP(OHC)
 Camshaft: Number _____ Location _____

c) Système d'entraînement Notched belt d) Nombre de paliers par arbre 5
 Driving system _____ Number of bearings for each shaft _____

e) Diamètre des paliers 30.0 mm
 Diameter of bearings _____

f) Système de commande des soupapes Rockér
 Type of valve operation _____



327. Admission: a) Matériau du collecteur

Inlet: Material of the manifold Aluminum Alloy

b) Nombre d'éléments du collecteur 1 c) Nombre de soupapes par cylindre 1
Number of manifold elements 1 Number of valves per cylinder 1

d) Diamètre maximum des soupapes 40 ± 0.1 mm e) Diamètre de la tige de soupape + 0
Maximum diameter of the valves 40 ± 0.1 mm Diameter of the valve stem 8 - 0.2 mm

f) Longueur de la soupape 136.5 ± 1.5 mm g) Type des ressorts de soupape Helical
Length of the valve 136.5 ± 1.5 mm Type of valve springs Helical

h) Nombre de ressorts par soupape 1
Number of springs per valve 1

328. Echappement: a) Matériau du collecteur

Exhaust: Material of the manifold Cast - iron

b) Nombre d'éléments du collecteur 1 c) Diamètre de(s) sortie(s) du collecteur 48 mm
Number of manifold elements 1 Diameter of the manifold exit(s) 48 mm

d) Nombre de soupapes par cylindre 1
Number of valves per cylinder 1

e) Diamètre maximum des soupapes 34 ± 0.1 mm f) Diamètre de la tige de soupape + 0
Maximum diameter of the valves 34 ± 0.1 mm Diameter of the valve stem 8 - 0.2 mm

g) Longueur de la soupape 136.5 ± 1.5 mm h) Type des ressorts de soupape 1
Length of the valve 136.5 ± 1.5 mm Type of valve springs 1

i) Nombre de ressorts par soupape 1
Number of springs per valve 1

329. Système anti-pollution a) oui/non

Anti pollution system yes/no

b) Description XXXX
Description XXXX

330. Système d'allumage: a) Type

Ignition system: Type XXXX

b) Nombre de bougies par cylindre XXXX c) Nombre de distributeurs XXXX
Number of plugs per cylinder XXXX Number of distributors XXXX

d) Nombre de bobines XXXX
Number of coils XXXX

332. Ventilateur de refroidissement a) Nombre

Cooling fan Number 1

b) Matériau de l'hélice plastics c) Diamètre de l'hélice 430 mm
Material of the screw plastics Diameter of the screw 430 mm

d) Type de connection Thermo type e) Ventilateur débrayable oui/non
Type of connection Thermo type Automatic cut in yes/no



Marque
Make

MITSUBISHI

Modèle
Model

PAJERO (L144G)

N° Homol.

T-1002

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
 Total capacity 6.7 L

d) Radiateur(s) d'huile oui/non oui Nombre 1
 Oil radiator(s) yes/~~no~~ Number 1

e) Emplacement du/des radiateurs *1 Attached to the head lamp support in the engine
 Position of the radiator(s) Attached to the head lamp support in the engine
compartment.

5. EQUIPEMENT ELECTRIQUE / ELECTRICAL EQUIPEMENT

501. Batterie(s): a) Nombre 1
 Battery(ies): Number 1

b) Tension 12 V c) Emplacement In the engine compartment
 Tension 12 V Location In the engine compartment

502. Génératrice(s) a) Nombre 1
 Generator(s) Number 1

b) Type Altanator c) Système d'entraînement V- belt
 Type Altanator Drive system V- belt

503. Phares escamotables: a) oui/non oui b) Système de commande XXXX
 Retractable headlights: yes/~~no~~ Drive system XXXX

6. TRANSMISSION / DRIVE

601. Roues motrices: avant arrière
 Driving wheels: front rear

602. Embrayage a) Type Dry single
 Clutch Type Dry single

b) Système de commande Hydraulic
 Drive system Hydraulic

c) Nombre de disques 1 d) Diamètre du(des) disque(s) 225 mm
 Number of plates 1 Diameter of the plate(s) 225 mm

603. Boîte de vitesses: a) Emplacement Attached to engine in the engine compartment
 Gear-box: Location Attached to engine in the engine compartment

b) Marque «manuelle» MITSUBISHI c) Marque «automatique» XXXX
 «Manual» make MITSUBISHI «Automatic» make XXXX

Emplacement de la commande Floor
 Location of the gear lever Floor

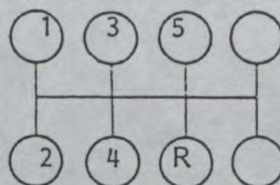


603. Boîte de vitesse

Gearbox
 e) rapports
 ratios

	Manuelle / Manual			Automatique / Automatic		
	rappports ratio	nombre de dents / number of teeth	synchro.	rappports ratio	nombre de dents / number of teeth	synchro.
1	3.92	43/14	x			
2	2.26	39/22	x			
3	1.40	35/32	x			
4	1.00	-	X			
5	0.83	26/40	X			
AR/R	3.93	$\frac{36}{13} \times \frac{40}{36}$				
Constante Constant.	1.28	37/29				

f) Grille de vitesse
 Gear change gate



604. Surmultiplication: a) Type XXXX
 Overdrive: Type XXXX

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

d) Utilisable avec les vitesses suivantes Usuable with the following gears _____

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
Hypoid & Bevel gear	Hypoid & Bevel gear
4.625	4.625
37/8	37/8
XXXX	Limited Slip



Marque Make MITSUBISHI

Modèle Model PAJERO (L144G)

N° Homol. T-1002

e) Rapport de la boîte de transfert
Ratio of the transfer box

1 : 1.925

606. Type de l'arbre de transmission Propeller shaft with two universal joint (sliding, needle roller)
Type of the transmission shaft

7 SUSPENSION / SUSPENSION

701. Type de suspension: a) AV / Front Independent -wishbone with torsion bar spring

Type of suspension:

b) AR / rear Rigid axle with coil spring

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

AR: oui/non
Rear: yes/~~no~~

a) Matériau
Material

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

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

AR: oui/non
Rear: ~~yes~~/no

703. Ressorts à lames
Leaf springs

A = Lame maitresse / X = lame auxiliaire
2 = 2è lame / 3 = 3è lame / 4 = 4è lame / 5 = 5è lame

A = major leaf / X = auxiliary leaf
2 = 2nd leaf / 3 = 3rd leaf / 4 = 4th leaf / 5 = 5th leaf

a) Matériau
Material

A	2	3
<u>XXXX</u>	<u>XXXX</u>	<u>XXXX</u>

a) Matériau
Material

4	5	X
<u>XXXX</u>	<u>XXXX</u>	<u>XXXX</u>



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

c) Matériau / Material

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

XXXX

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>1,390</u> mm	<u>1,910</u> mm
<u>26</u> mm	<u>20</u> mm
<u>Steel</u>	<u>Steel</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 gate



Marque MITSUBISHI
 Make _____

Modèle PAJERO (L144G)
 Model _____

N° Homol. T-1002

803. Freins: a) Système de freinage Hydraulic
 Brakes: Braking system _____
 b) Nombre de maître-cylindres Tandem b1) Alésage 23.8 - 23.8 mm
 Number of master cylinders _____ Bore _____ mm
 c) Servo-frein oui/non c1) Marque et type JIDOSHAKIKI, VACUM
 Power assisted brakes yes/no Make and type _____
 d) Régulateur de freinage oui/non d1) Emplacement On the frame above rear
 Braking adjuster yes/no Location suspension

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

e1) Alésage
 Bore

Avant / Front	Arrière / Rear
<u>1</u>	<u>1</u>
<u>57.2</u> mm	<u>22.2</u> mm

f) Freins à tambours:

Drum brakes:

f1) Diamètre intérieur
 Interior diameter

f2) Nombre de mâchoires par roue.
 Number of shoes per wheel

f3) Surface de freinage
 Braking surface

f4) Largeur des garnitures
 Width of the shoes

<u>XXXX</u> mm (± 1.5 mm)	<u>254</u> mm (± 1.5 mm)
<u>XXXX</u>	<u>2</u>
<u>XXXX</u> cm ²	<u>[blacked out]</u> cm ²
<u>XXXX</u> mm	<u>50±1</u> mm

g) Freins à disques:

Disc brakes:

g1) Nombres de sabots 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 maximale du disque
 Maximum disc thickness

g5) Diamètre extérieur du disque
 Exterior diameter of the disc

g6) Diamètre extérieur de frottement des sabots
 Exterior diameter of the shoe's rubbing surface

g7) Diamètre intérieur de frottement des sabots
 Interior diameter of the shoe's rubbing surface

g8) Longueur hors-tout des sabots
 Overall length of the shoes

g9) Disques ventilés
 Ventilated disc

g10) Surface de freinage par roue
 Braking surface per wheel

<u>2</u>	
<u>1</u>	
<u>Cast - iron</u>	
<u>22 ± 1</u> mm	
<u>258±1.5</u> mm (± 1 mm)	
<u>256±1.5</u> mm	
<u>157±1.5</u> mm	
<u>105±1.5</u> mm	
<u>oui/non</u> <u>yes/no</u>	<u>oui/non</u> <u>yes/no</u>
<u>[blacked out]</u> cm ²	<u>[blacked out]</u> cm ²



h) Frein de stationnement:

Parking brake:

h2) Emplacement de la commande
 Location of the lever Between front seat

h1) Système de commande

Command system Cable

h3) Effet sur roues

On which wheels Front Rear

AV

AR

Rear



304. Direction: a) Type _____
 Steering: Type Recirculating ball and nut
 b) Rapport 1 : 16.4 c) Servo-assistance oui/non
 Ratio _____ 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~~

	AR / Rear	AV / Front
d) Sièges Seats		
d1) Type Type	<u>Bench</u>	<u>Separate</u>
d2) Appuie-tête Headrest	oui/non yes /no	oui/non yes/ no
d3) Poids Weight	<u>31.1</u> kg	<u>30.5</u> kg

d4) Siège AR rabattable oui/non
 Car rear seat be folded yes/~~no~~
 e) Plaque arrière oui/non e1) Matériau
 Rear ledge ~~yes~~/no Material XXXX
 f) Toit ouvrant optionnel oui/non f1) Type
 Sun roof optional ~~yes~~/no Type XXXX
 f2) Système de commande XXXX
 Command system
 g) Système d'ouverture des vitres latérales: AV/Front: Manual
 Opening system for the side windows: AR/Rear: XXXX

902. Extérieur: a) Nombre de portes 2 b) Hayon AR oui/non
 Exterior: Number of doors _____ Rear tailgate yes/~~no~~ Steel
 c) Matériau des portières: AV/Front: _____
 Door material: AR/Rear: XXXX

d) Matériau du capot AV Steel
 Front bonnet material _____
 e) Matériau du capot/hayon AR Steel
 Rear bonnet / tailgate material _____
 f) Matériau de la carrosserie Steel
 Bodywork material _____



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

INFORMATIONS COMPLEMENTAIRES

COMPLEMENTARY INFORMATION

Art 321 e) Angle between the axis of the inlet valve and the exhaust valve: 0°

Art 605 b) Ratio : 4.222 , 4.875

 c) Teeth number : 38/9 , 39/8



Make 会社名 MITSUBISHI Model 型式 PAJERO (L144G) No Homol. T-1002

No Ext. _____

JAF公認番号 _____

Page or ext. ページまたは補足	Art. 項目	Description 記述
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COMPLEMENTARY INFORMATION
Body variation : Canvas top version

A1



B1



201

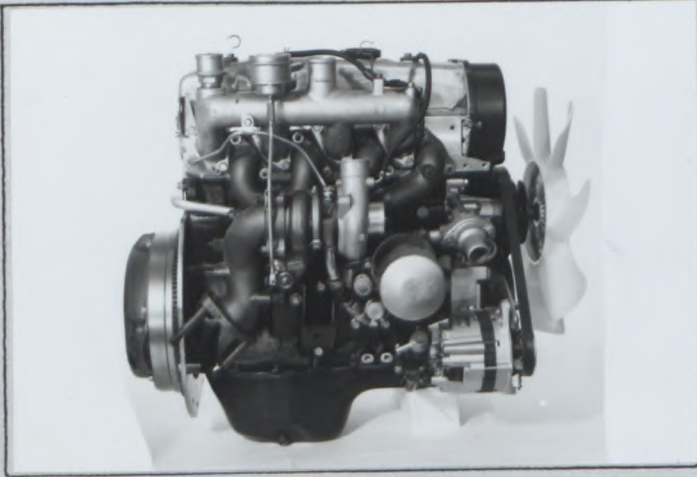
Minimum weight 1,360Kg



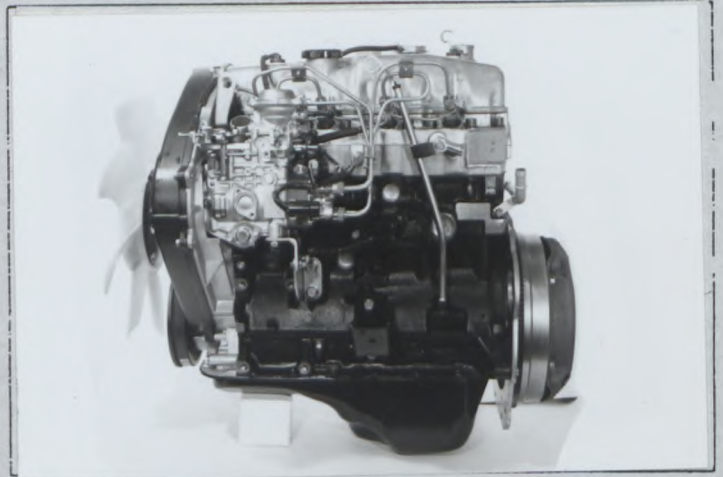
PHOTOS / PHOTOS

Moteur / Engine

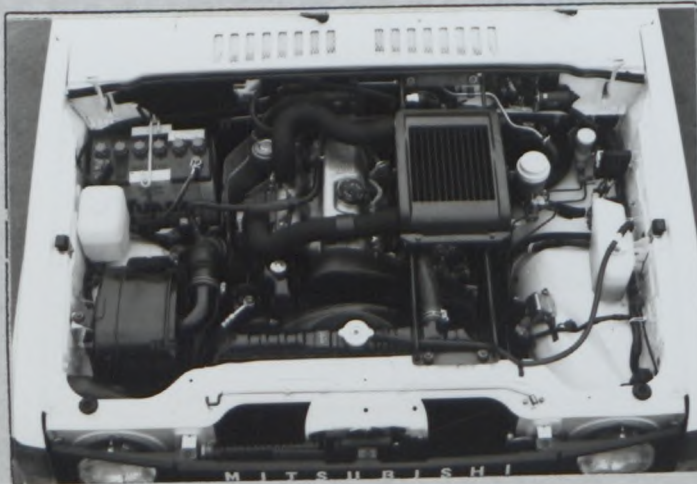
C) Profil droit du moteur déposé
Right hand view of dismantled engine



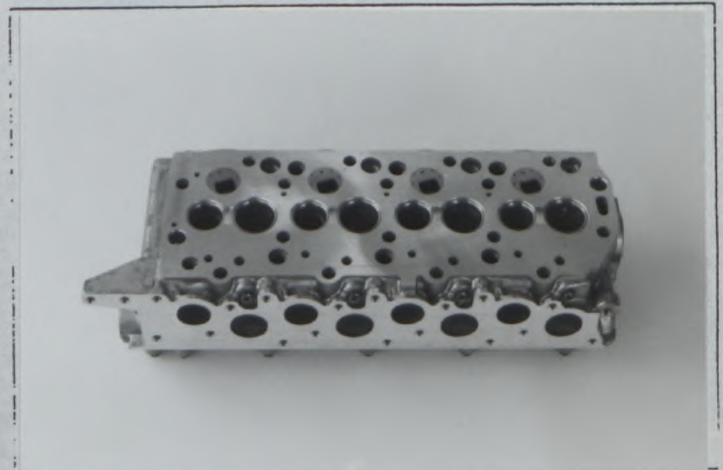
D) Profil gauche du moteur déposé
Left hand view of dismantled engine



E) Moteur dans son compartiment
Engine in its compartment



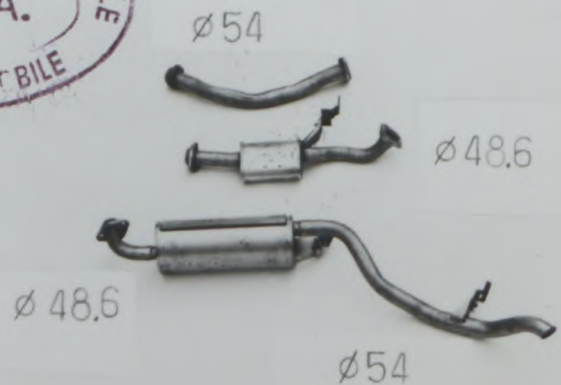
F) Culasse nue
Bare cylinderhead



AA) Piston de profil
Piston profile



BB) Echappement complet
Complete exhaust system



Marque
Make MITSUBISHI

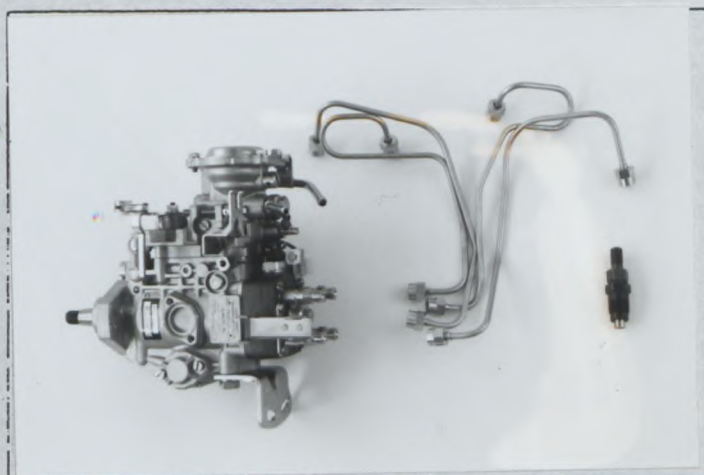
Modèle
Model PAJERO (L144G)

N° Homol. T-1002

G) Chambre de combustion
Combustion chamber



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



I) Collecteur d'admission
Inlet manifold



J) Collecteur d'échappement
Exhaust manifold

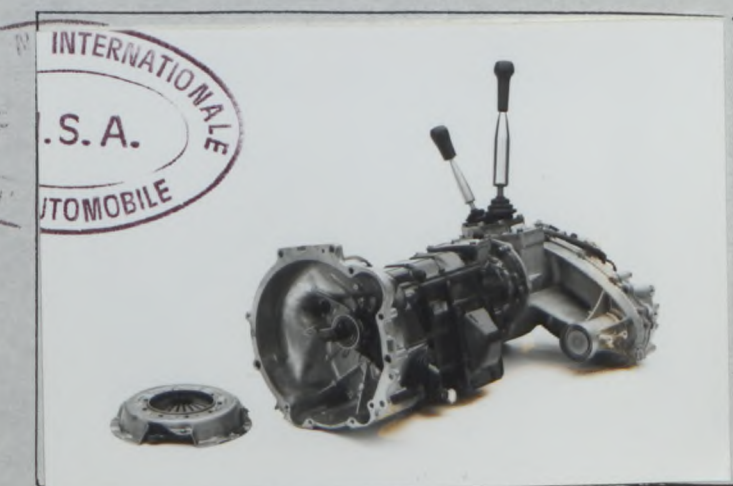


Transmission / Transmission

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



CC) Embrayage
clutch



Suspension / Suspension

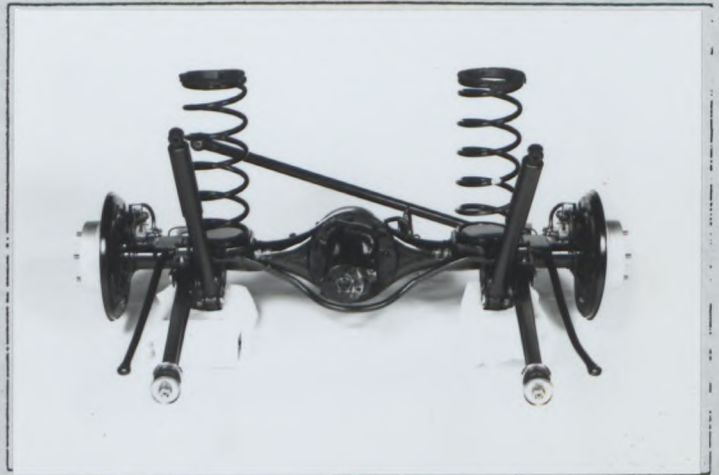
T) Train avant complet déposé

Complete dismantled front running gear



U) Train arrière complet déposé

Complete dismantled rear running gear



Train roulant / Running gear

V) Freins avant

Front brakes



W) Freins arrière

Rear brakes



EE) Roue de secours dans son emplacement

Spare wheel in its location



Marque MITSUBISHI
Make

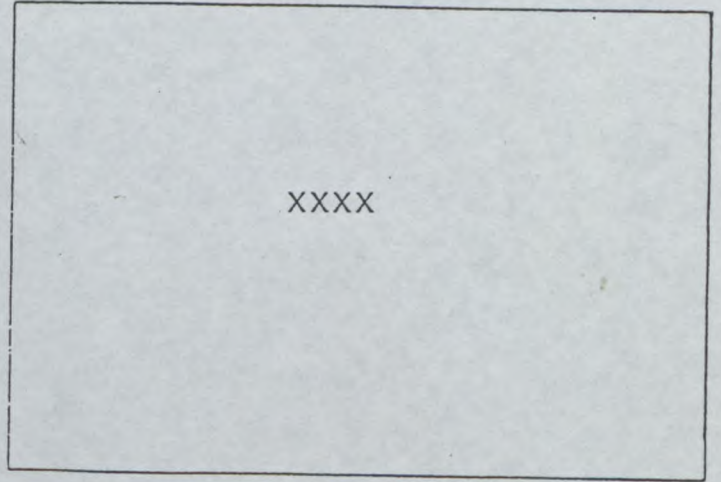
Modele PAJERO (L144G)
Model

N° Homol. T-1002

Carrosserie / Bodywork

X) Tableau de bord
Dashboard

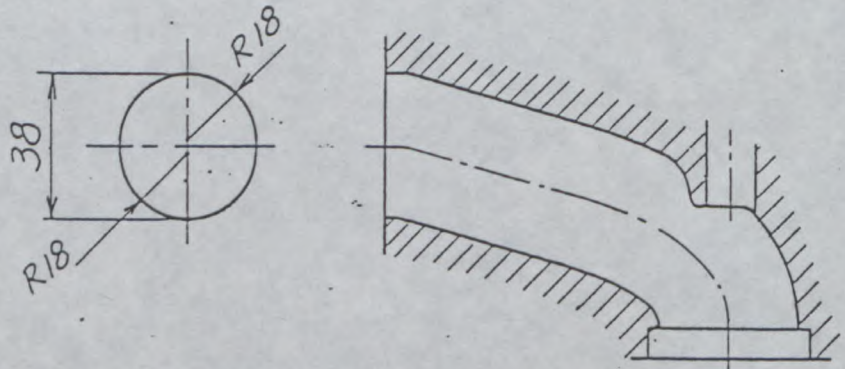
Y) Toit ouvrant
Sunroof



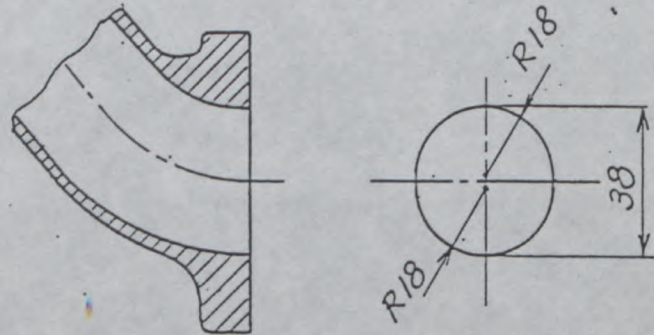
DESSINS / DRAWINGS

Moteur / Engine

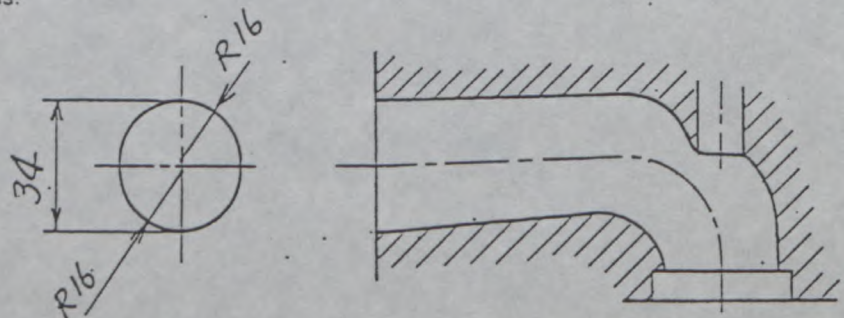
- I Orifices d'admission de la culasse, face collecteur (tolérances sur dimensions: -2%, +4%)
 Cylinderhead inlet ports, manifold side (tolerances on dimensions: -2%, +4%)



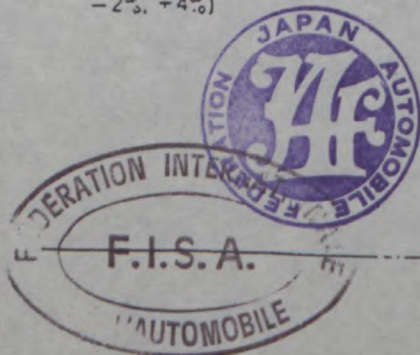
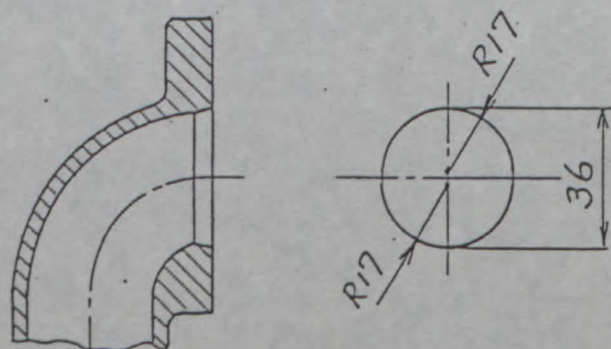
- II Orifices du collecteur d'admission, côté culasse (tolérances sur dimensions: -2%, +4%)
 Inlet manifold ports, cylinderhead side (tolerances on dimensions: -2%, +4%)



- III Orifices d'échappement de la culasse, face collecteur (tolérances sur dimensions: -2%, +4%)
 Cylinderhead exhaust ports, manifold side (tolerances on dimensions: -2%, +4%)



- IV Orifices du collecteur d'échappement, côté culasse (tolérances sur dimensions: -2%, +4%)
 Exhaust manifold ports, cylinderhead side (tolerances on dimensions: -2%, +4%)



Marque MITSUBISHI
Make

Modèle PAJERO (L144G)
Model

N° Homol. T-1002

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 MITSUBISHI
Make

Modèle PAJERO (L144G)
Model

T - 1002

N° Homol.

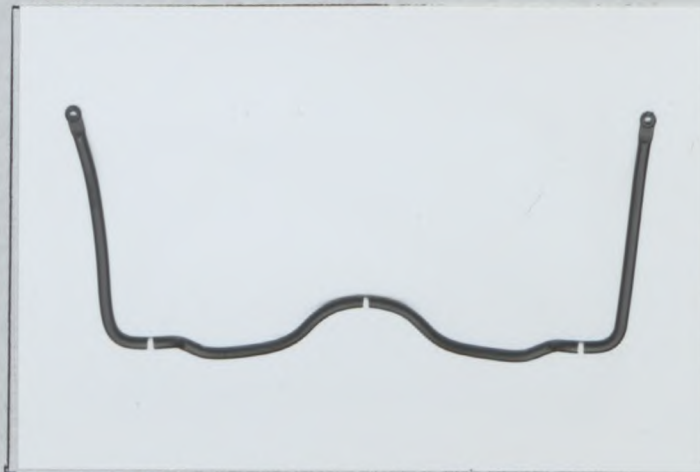
Suspension / Suspension

XVI Stabilisateur Selon article 706
Stabilizer According to article 706

Front



Rear





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

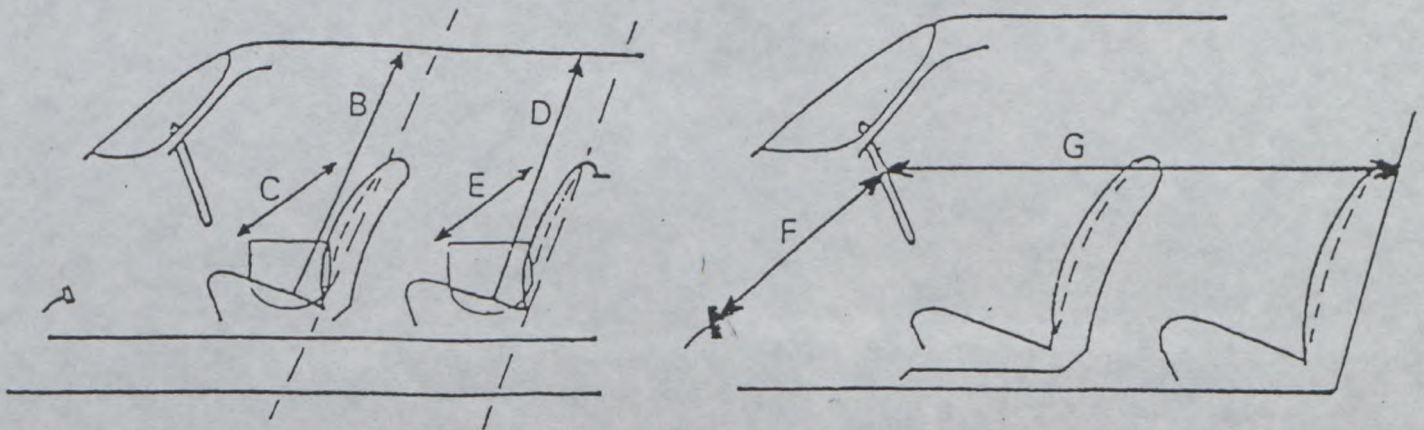
Homologation N°

T-1002

Groupe **Tout-Terrain**
Group

Marque MITSUBISHI MOTORS CORP. Modèle PAJERO (L144G)
Make

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)	<u>1,050</u>	mm
C (Largeur aux sièges avant) (Width at front seats)	<u>1,400</u>	mm
D (Hauteur sur sièges arrière) (Height above rear seats)	<u>1,040</u>	mm
E (Largeur aux sièges arrière) (Width at rear seats)	<u>1,430</u>	mm
F (Volant — Pédale de frein) (Steering wheel — brake pedal)	<u>695</u>	mm
G (Volant — paroi de separation arrière) (Steering wheel — rear bulkhead)	<u>1,480</u>	mm
H = F+G =	<u>2,175</u>	mm





FEDERATION INTERNATIONALE FISA Homologation No
DU SPORT AUTOMOBILE

T-1002



JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

Group T
グループ

JAF公認番号 FT-009
JAF公認グループ
JAF発効年月日 1988年 10月31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 MITSUBISHI MOTORS CORP Model and type PAJERO (L144G)
車両: 製造者 型式とモデル

01 JAN. 1989

Homologation valid as from _____ in group T
有効年月日 グループ

334. Turbocharging a) Make and type of the turbocharger MITSUBISHI (H.I.)
ターボチャージャー ターボチャージャーの製造者と型式

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

b2) Material Cast - iron
材質

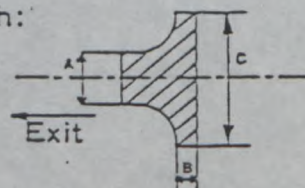
c) Turbine wheel: c1) Material Cast - iron
タービンホイール 材質

c2) Number of blades 12 c3) Height(s) of blade 7.5~12.5 $+0.3$ -0.2 mm
翼の数 翼の高さ

c4) Indicate the dimensions A, B, C, according the following sketch:

下図に従い、寸法A, B, Cを記載

A = φ40 mm ± 0.1
B = 6.7 mm $+0.3, -0.15$
C = φ47.2 mm $+0.25$



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

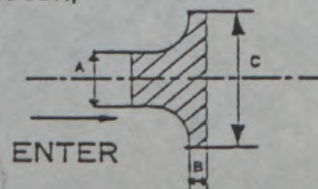
d2) Material Aluminum alloy
材質

e) Impeller wheel: e2) Number of blades 12 e3) Height(s) of blade 0~10.8 $+0.15$ -0.10 mm
インペラーホイール 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 = φ34.8 mm ± 0.1
B = 4.7 mm $+0.15, -0.10$
C = φ49 mm $+0.15, -0.30$



f) Pressure regulation:
過給圧の調整

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

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)

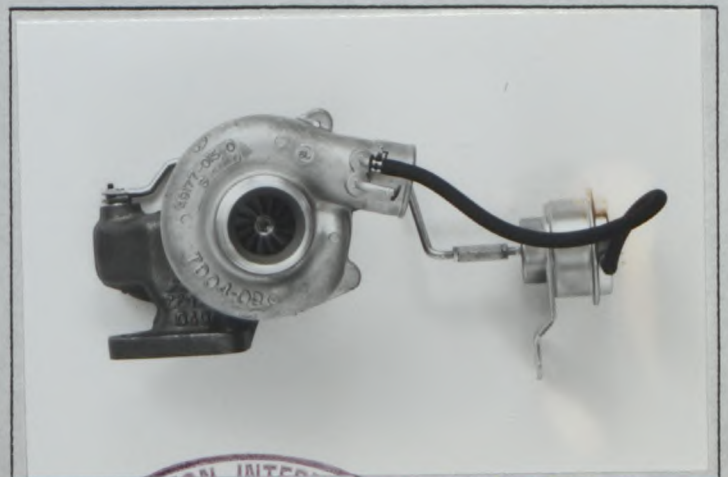
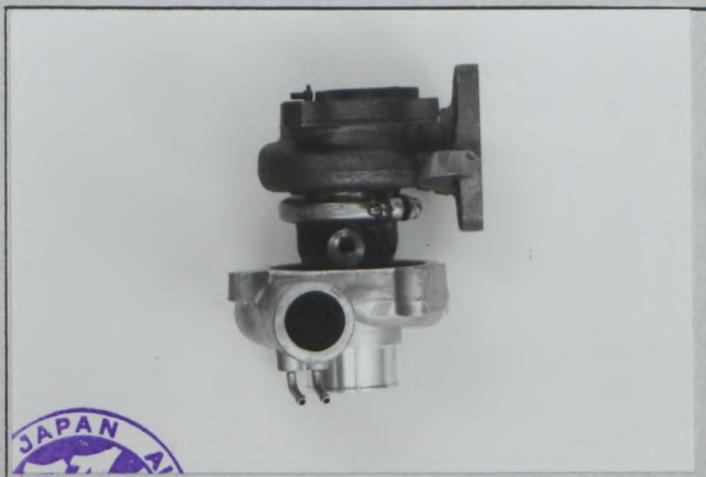
The turbocharger is directly fitted in the exhaust manifold

- h) Cooling of intake air : Yes
- h1) Intercooler : Yes
- Position of the assembly : In the engine compartment
- Inlet diameter : 43±1.5mm
- Outlet diameter : 43±1.5mm
- h2) Exchanger : No
- Position of the assembly : XXXX
- h3) Cooling of the turbo by the water : No
- h4) Water injection : No

PHOTOS
写真

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

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



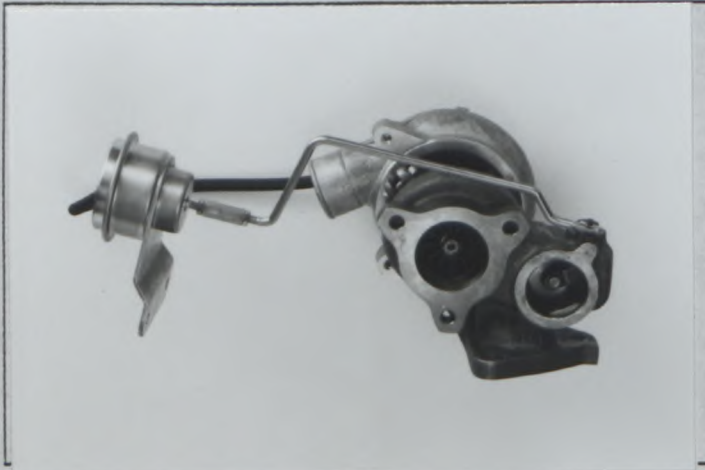
M) Side view of turbocharger
ターボチャージャーの側面



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



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



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

The turbocharger is directly fitted on the exhaust manifold

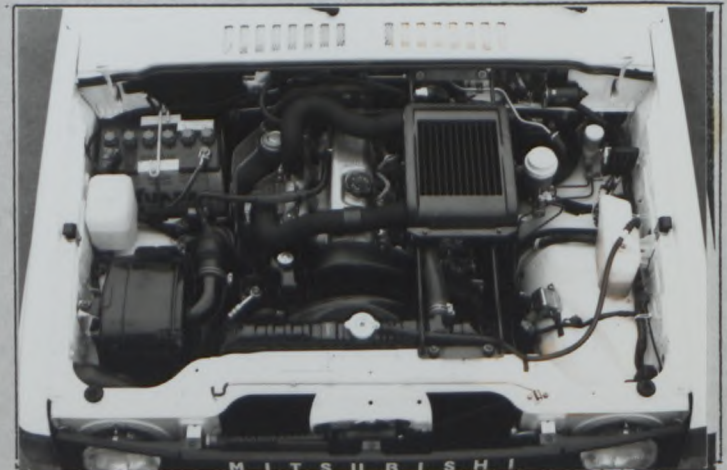
h1) Intercooler



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



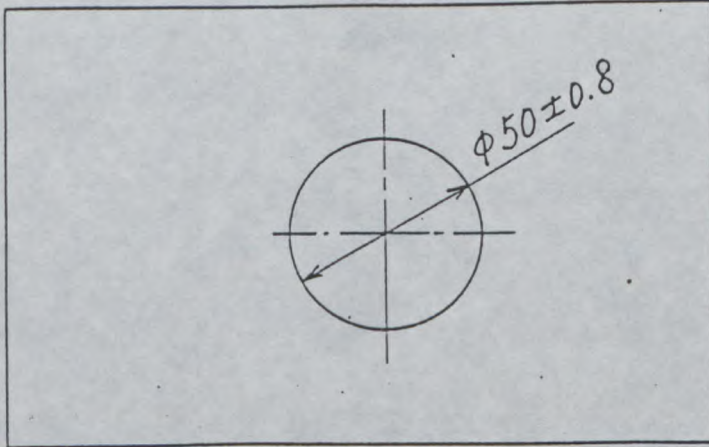
h2) Vehicle installation of intercooler



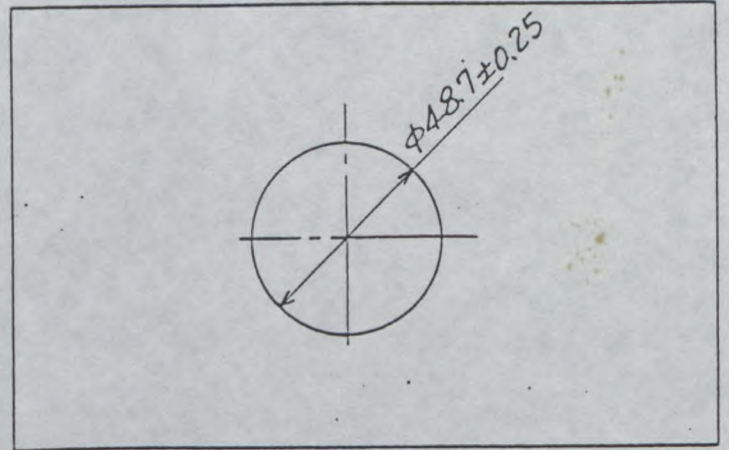
DRAWINGS

図面

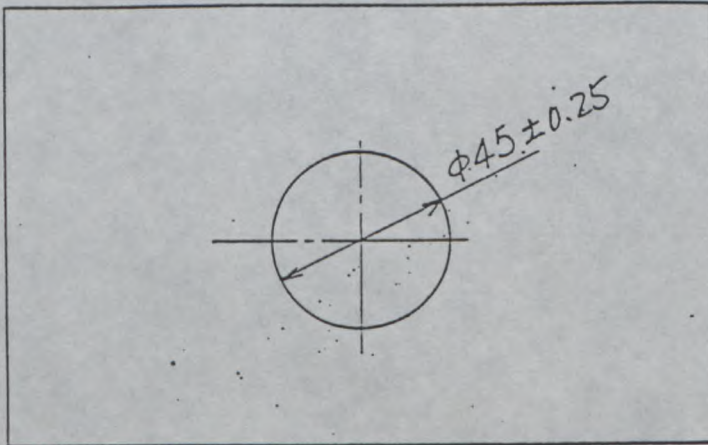
V) Exhaust gas entry in the turbine housing of turbocharger. タービンハウジングの排気ガス入口



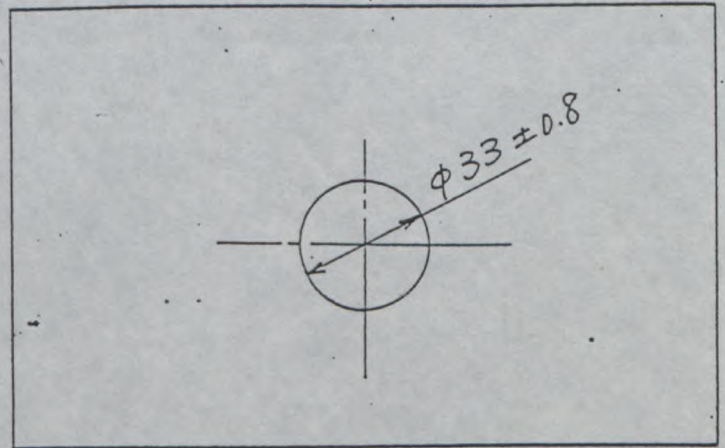
VI) Exhaust gas exit of the turbine housing of turbocharger. タービンハウジングの排気ガス出口



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

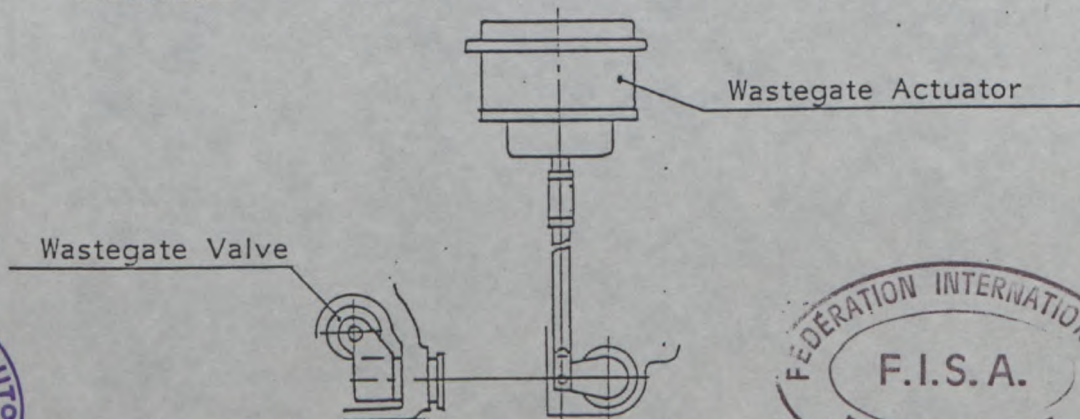


VIII) Air (gas) exit of the impeller housing of the turbocharger. インペラーハウジングの空気出口



IX) Device regulating the turbocharging pressure.

過給圧調整装置



Make
会社名 MITSUBISHI

Model
型式 PAJERO (L144G)

T - 1002
No Homol. _____

No Ext. _____

JAF公認番号 _____

ADDITIONAL INFORMATION

Page or ext. ページまたは補足	Art. 項目	Description 記述
	334	
	f3)	Standard pressure : 0.80Bar
	f4)	Measuring pressure system : Pressure corresponding to an axial displacement of the wastegate control rod of 1.0mm





FEDERATION INTERNATIONALE
DU SPORT AUTOMOBILE
JAPAN AUTOMOBILE FEDERATION
社団法人 日本自動車連盟

FISA Homologation No

T-1002

Extension No

01/01ER

JAF公認番号 FT-009ER-1/1

発効年月日 _____

FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

FISA公認追加書式

ES Sporting evolution of the type / スポーツ進化

ET Normal evolution of the type / 形式の正常進化

VF Supply variant / 供給変型

VO Option variant / オプション変型

ER Erratum / 誤記訂正

Homologation valid as from

01 JAN. 1989

in group

FISAグループ T

公認発行日

Manufacturer

製造者 MITSUBISHI MOTORS CORP.

Model and type

型式と形式 PAJERO TURBO 2 (L144G)

Page or ext.
ページまたは補足

Art.
項目

Description
記述

Cancels and replace photo V shown on page 16 of the basic homologation form.

V) Front brakes



Signature



**FEDERATION INTERNATIONALE
DU SPORT AUTOMOBILE**
JAPAN AUTOMOBILE FEDERATION
社団法人 日本自動車連盟

FISA Homologation No

T-1002

Extension No

02 / 01 VO

JAF公認番号 FT-009VO- 2/1
発効年月日 1989年 7月31日

FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

FISA公認追加書式

- ES Sporting evolution of the type / スポーツ進化
- ET Normal evolution of the type / 形式の正常進化
- VF Supply variant / 供給変型
- VO Option variant / オプション変型
- ER Erratum / 誤記訂正

Homologation valid as from 01 NOV. 1989 in group T
公認発行日 FISAグループ

Manufacturer MITSUBISHI MOTORS CORP. Model and type PAJERO TURBO 2 (L144G)
製造者 型式と形式

Page or ext. ページまたは補足	Art. 項目	Description 記述
		Body variation : Wide fender version
	201	Photo A1 & B1
	201	Minimum weight : 1430 kg
	203	Overall width : 1785 mm ± 1% At front axle
	204	Width of bodywork
		a) At front axle : 1785 mm ± 1%
		b) At rear axle : 1750 mm ± 1%
	207	Maximum track
		a) Front : 1435 mm
		b) Rear : 1450 mm
	801	Wheels (Front & Rear)
		a) Diameter : 15", 381 mm
		b) Maximum rim width : 7", 178 mm
	605	Final drive
		b) Ratio : 5.285
		c) Teeth number : 37/7



[Signature]

Make
会社名 MITSUBISHI

Model
型式 PAJERO (L144G)

No Homol. T-1002

PHOTOS / 写真

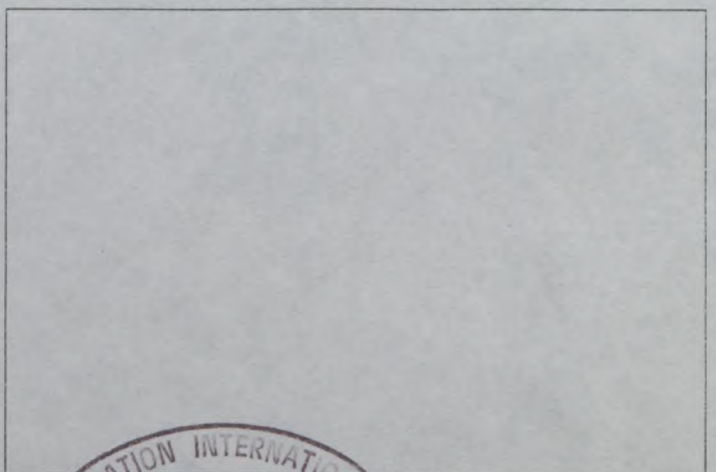
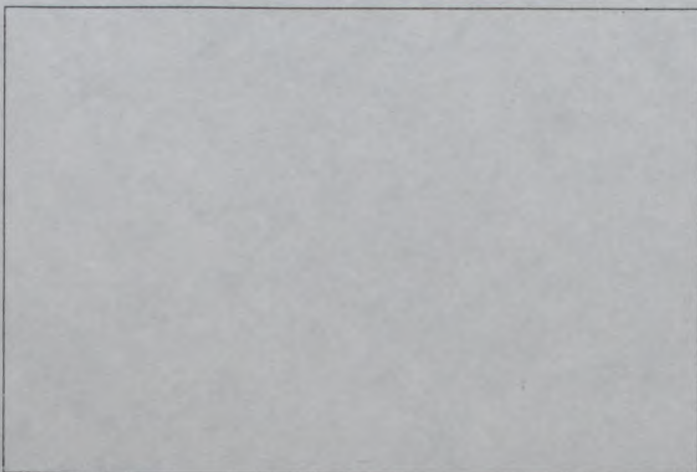
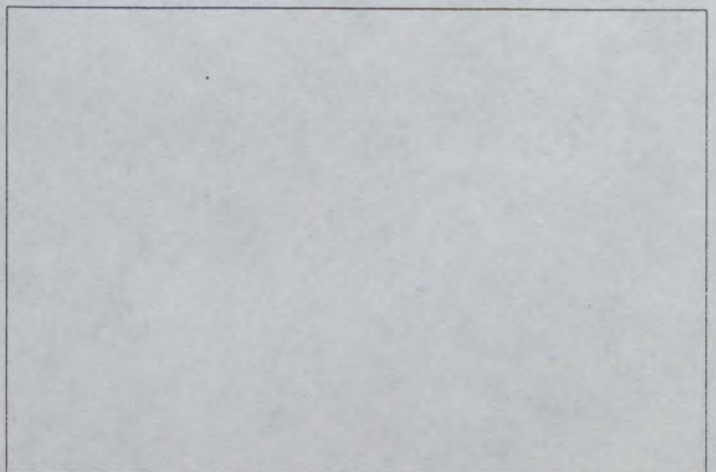
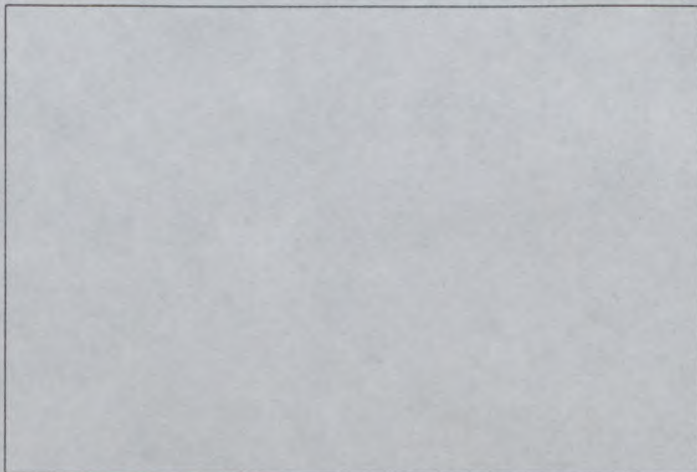
No Ext. 02 / 01 VO

JAF公認番号 FT-009 VO- 2 / 1

A1



B1





FEDERATION INTERNATIONALE
DE L' AUTOMOBILE

Homologation No.

T-1002



JAPAN AUTOMOBILE FEDERATION
社団法人 日本自動車連盟

Extension No.

03/02 ER

JAF公認番号 FT-009 ER- 3/2
JAF発効年月日 1995年 8月31日

Groupe
Group T 1

FICHE D' EXTENSION D' HOMOLOGATION
FORM OF HOMOLOGATION EXTENSION

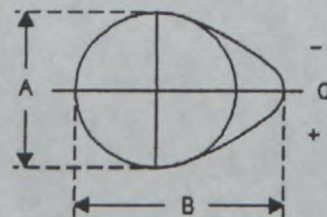
- ET Evolution normale de type/Normal evolution of the type VO Variante option/Option variant
- VF Variante de fourniture/Supply variant ER Erratum/Erratum

Véhicule: Constructeur Modèle et type
Vehicle: Manufactureur MITSUBISHI MORTORS CORP. Model and type PAJERO TURBO-2 (L144G)

Homologation valable à partir du 01 OCT. 1995
Homologation valid as from

325. Arbre à cames:
Camshaft:

g) Dimensions de la came Cam dimensions	Admission Inlet	A= <u> 31.0 </u> ±0.1mm
		B= <u> 36.6 </u> ±0.1mm
	Echappement Exhaust	A= <u> 31.0 </u> ±0.1mm
		B= <u> 36.6 </u> ±0.1mm



FEDERATION INTERNATIONALE
DE L' AUTOMOBILE

8, place de la Concorde, 75008 Paris
Services Administratifs :
8 bis, rue Boissy d'Anglas, 75008 Paris

Marque
Make MITSUBISHI MOTORS CORP.

Modèle
Model PAJERO TURBO-2 (L144G)

Homologation No.

T-1002

Extension No.

03/02 ER

JAF公認番号 **FT-009 ER-3/2**

326. Distribution a) Jeu théorique de distribution admission échappement
Timing Theoretical clearance for valve timing intake 0.25 mm exhaust 0.25 mm
d) Levée de came en mm (arbre démonté)
Cam lift in mm (dismounted camshaft) (dessin / drawing Art. 325)

ADMISSION / INTAKE				ECHAPPEMENT / EXHAUST			
Angle de rotation en degrés Rotation angle in degrees	Levée en mm (± 0.2 mm) Lift in mm (± 0.2 mm)	Angle de rotation en degrés Rotation angle in degrees	Levée en mm (± 0.2 mm) Lift in mm (± 0.2 mm)	Angle de rotation en degrés Rotation angle in degrees	Levée en mm (± 0.2 mm) Lift in mm (± 0.2 mm)	Angle de rotation en degrés Rotation angle in degrees	Levée en mm (± 0.2 mm) Lift in mm (± 0.2 mm)
0	5.6			0	5.6		
-5	5.5	+5	5.5	-5	5.5	+5	5.5
-10	5.4	+10	5.4	-10	5.4	+10	5.4
-15	5.2	+15	5.2	-15	5.2	+15	5.2
-30	4.1	+30	4.1	-30	4.2	+30	4.2
-45	2.5	+45	2.5	-45	2.6	+45	2.6
-60	0.3	+60	0.3	-60	1.0	+60	1.0
-75	0.1	+75	0.1	-75	0.1	+75	0.1
-90	0.0	+90	0.0	-90	0.0	+90	0.0
-105	0.0	+105	0.0	-105	0.0	+105	0.0
-120	0.0	+120	0.0	-120	0.0	+120	0.0
-135	0.0	+135	0.0	-135	0.0	+135	0.0
-150	0.0	+150	0.0	-150	0.0	+150	0.0

Un décalage de l'ensemble des mesures de ± 2 degrés est accepté.
A shift of ± 2 degrees of the whole measurement is a accepted.

e) Levée maximum des soupapes Admission / Intake 10.0 ± 0.2 mm avec jeu selon Art. 326. a
Maximum valve lift Echappement / Exhaust 10.0 ± 0.2 mm with clearance according to Art. 326. a



FEDERATION INTERNATIONALE
DE L'AUTOMOBILE

8, place de la Concorde, 75008 Paris
Services Administratifs :
8 bis, rue Boissy d'Anglas 75008 Paris



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 MITSUBISHI MOTORS CORP.

Date

年月日 7TH Oct. 1988

Car Model

型式 L144G

Type or

commercial designation

タイプまたは通称名 PAJERO TURBO 2

Homologation No.

車両公認No. T-1002

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 *Y. Kitane*

YUKIMICHI KITANE

Position

所属役職 Vice General Manager

Passenger-car Product Planning Dept.

Month/year		Number
月/年		生産数
1	Sep, 1988	705
2	Oct, 1988	537
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
TOTAL		1,242
Remarks: 注		

JAPAN AUTOMOBILE FEDERATION (JAF)





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 MITSUBISHI MOTORS CORP.

Date
年月日 20TH SEP. 1989

Car Model
型式 L144G

Type or
commercial designation
タイプまたは通称名 PAJERO TURBO 2

Homologation No.
車両公認No. T-1002

Nature of the extension
追加公認の種類 VO
(Body Variation)

02 / 0.1 VO

	Month/year 月/年	Number 生産数
1	May. 1989	11
2	Jun. 1989	546
3	Jul. 1989	239
4	Aug. 1989	230
5		
6		
7		
8		
9		
10		
11		
12		
TOTAL		1,026

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 YUKIMICHI KITANE

Position
所属役職 Vice General Manager
Passenger-car Product Planning Dept.

Remarks:
注 Body Variation :
Wide fender version

JAPAN AUTOMOBILE FEDERATION (JAF)

