



FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

T-1001

Groupe **Tout-Terrain**
Group

FT-0.08

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

101. Constructeur **MITSUBISHI MOTORS CORP.**
Manufacturer

102. Dénomination(s) commerciale(s) — Modèle et type **PAJERO TURBO (L044G)**
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 monocoque
unitary construction

105. Nombre de volumes **2**
Number of volumes

106. Nombre de places **4**
Number of places



Signature

Marque MITSUBISHI Modèle PAJERO (L044G) N° Homol. T - 1001
Make MITSUBISHI Model PAJERO (L044G)

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 _____

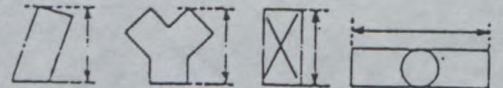
307. Cylindrée: a) Unitaire (619.2 x 1.7) b) Totale
Cylinder capacity: a) Unitary 1052.6 cm³ b) Total (2476.8 x 1.7) 4210.6 cm³

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 (L044G) N° Homol. T - 1001
Make _____ Model _____

318. Bielle: a) Matériau Steel b) Type de la tête de bielle Separate
Connecting rod: Material _____ Big end type _____
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 (\pm 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 _____



Marque MITSUBISHI Modèle PAJERO (L044G) N° Homol. T - 1001
 Make _____ 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:

Fuel feed by injection:

a) Marque: DIESEL KIKI
 Manufacturer: _____

b) Modèle du système d'injection:

Model of injection system: Diesel Fuel Injection (VE Type pump)

c) Mode de dosage du carburant:
 Kind of fuel measurement:

mécanique électronique hydraulique
 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

Camshaft: Number 1

b) Emplacement

Location TOP(OHC)

c) Système d'entraînement

Driving system Notched belt

d) Nombre de paliers par arbre

Number of bearings for each shaft 5

e) Diamètre des paliers 30.0 mm
 Diameter of bearings _____

f) Système de commande des soupapes

Type of valve operation Rocker



Marque
Make

MITSUBISHI

Modèle

Model PAJERO (L044G)

N° Homol.

T - 1001

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 40 ± 0.1 mm

e) Diamètre de la tige de soupape
Diameter of the valve stem 8 + 0 - 0.2 mm

f) Longueur de la soupape
Length of the valve 136.5 ± 1.5 mm

g) Type des ressorts de soupape
Type of valve springs Helical

h) Nombre de ressorts par soupape
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
Number of manifold elements 1

c) Diamètre de(s) sortie(s) du collecteur
Diameter of the manifold exit(s) 48 mm

e) Diamètre maximum des soupapes
Maximum diameter of the valves 34 ± 0.1 mm

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

g) Longueur de la soupape
Length of the valve 136.5 ± 1.5 mm

f) Diamètre de la tige de soupape
Diameter of the valve stem 8 + 0 - 0.2 mm

h) Type des ressorts de soupape
Type of valve springs 1

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

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 430 mm

c) Matériau de l'hélice
Material of the screw plastics

d) Nombre de pales
Number of blades 8

e) Type de connexion
Type of connection Thermo type

f) Ventilateur débrayable oui/non
Automatic cut in yes/~~no~~



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333. Système de lubrification: a) Type
Lubrification system: Type Wet sump b) Nombre de pompes à huile
Number of oil pumps 1

c) Capacité totale
Total capacity 6.7 L

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

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

5. EQUIPEMENT ELECTRIQUE / ELECTRICAL EQUIPEMENT

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

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

502. Génératrice(s)
Generator(s) a) Nombre
Number 1
b) Type
Type Altanator c) Système d'entraînement
Drive system V- belt

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

6. TRANSMISSION / DRIVE

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

602. Embrayage a) Type
Clutch Type Dry single
b) Système de commande
Drive system Hydraulic
c) Nombre de disques
Number of plates 1 d) Diamètre du(des) disque(s)
Diameter of the plate(s) 225 mm

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

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

Emplacement de la commande
Location of the gear lever Floor



Marque MITSUBISHI
 Make _____

Modèle PAJERO (L044G)
 Model _____

N° Homol. T-1001

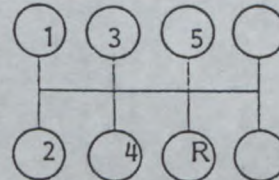
603. Boîte de vitesse

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	3.97	35/13	x			
2	2.14	29/20	x			
3	1.36	24/26	x			
4	1.00	-	x			
5	0.86	18/31	x			
AR/R	3.58	$\frac{17}{14} \times \frac{34}{17}$				
Constante Constant.	1.47	28/19				

f) Grille de vitesse
 Gear change gate



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

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
4.875	4.875
39/8	39/8
XXXX	Limited Slip



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

AV / Front	AR / Rear
Steel	XXXX

c) Matériau / Material

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

AV / Front	AR / Rear
1,390 mm	XXXX mm
26 mm	XXXX mm
Steel	

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

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

Avant / Front	Arrière / Rear
1	1
Telescopic	Telescopic

8. TRAIN ROULANT / RUNNING GEAR

801. Roues / Wheels

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

AV / Front	AR / Rear
16"	16"
406 mm	406 mm
6"	6"
152 mm	152 mm

802. Emplacement de la roue de secours / Location of the spare wheel: On the rear gate



Marque / Make: MITSUBISHI Modèle / Model: PAJERO (L044G) N° Homol.: T-1001

304. Direction: a) Type
 Steering: Type Recirculating ball and nut
 b) Rapport / Ratio: 1 : 16.4 c) Servo-assistance / Power assisted: oui/non / yes/~~no~~

9. CARROSSERIE / BODYWORK

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

d) Sièges / Seats

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

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

e) Plage arrière / Rear ledge: oui/non / yes/no

e1) Matériau / Material: XXXX

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

f1) Type / Type: XXXX

f2) Système de commande / Command system: XXXX

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

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

b) Hayon AR / Rear tailgate: oui/non / yes/~~no~~ Steel

c) Matériau des portières: / Door material: AV/Front: Steel AR/Rear: XXXX

d) Matériau du capot AV / Front bonnet material: Steel

e) Matériau du capot/hayon AR / Rear bonnet / tailgate material: Steel

f) Matériau de la carrosserie / Bodywork material: Steel



Marque
Make MITSUBISHI

Modèle
Model PAJERO (L044G)

N° Homol. T - 1001

- 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

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

Art 605 b) Ratio : 4.222 , 4,625

C) Teeth number : 38/9 , 37/8

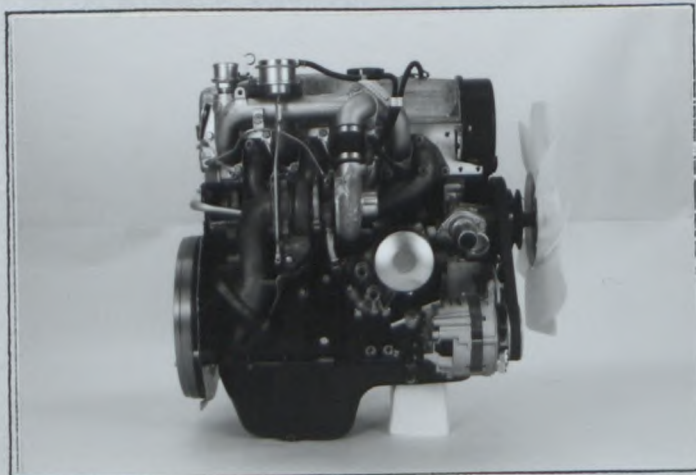
E) Ratio of the transfer box : 1 : 1.944



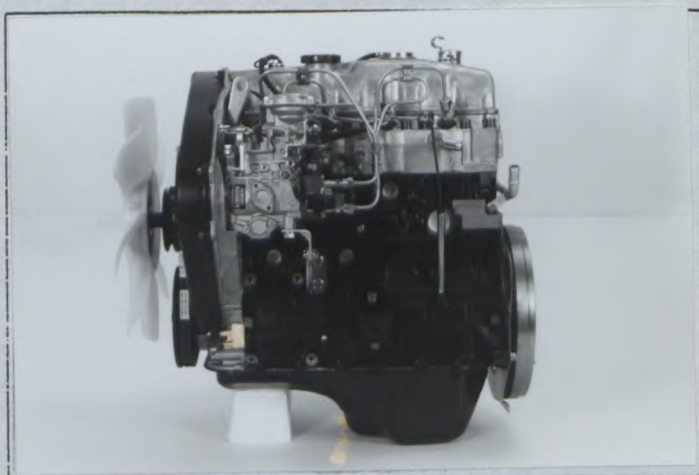
PHOTOS / PHOTOS

Moteur / Engine

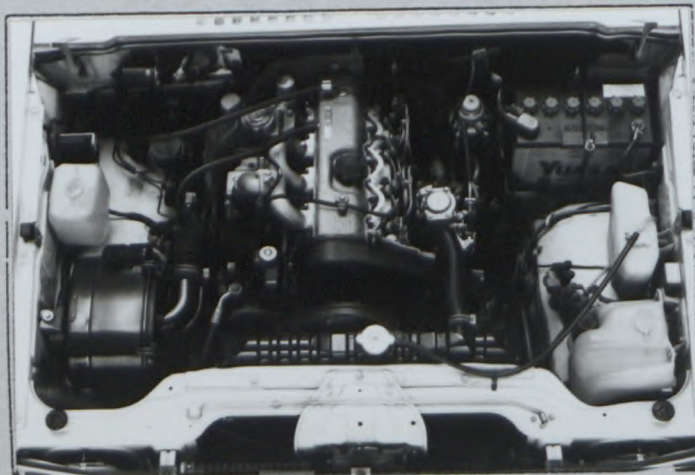
C) Profil droit du moteur déposé
Right hand view of dismantled engine



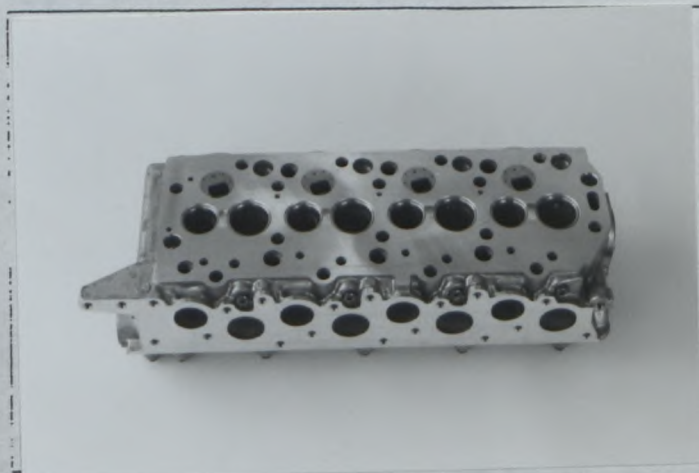
D) Profil gauche du moteur déposé
Left hand view of dismantled engine



E) Moteur dans son compartiment
Engine in its compartment



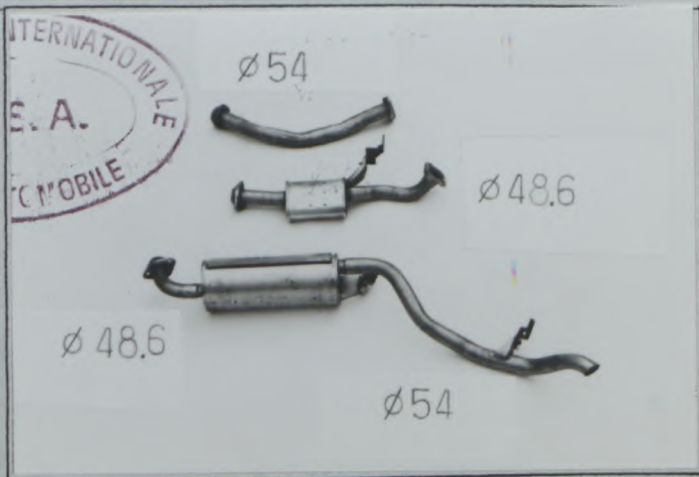
F) Culasse nue
Bare cylinderhead



AA) Piston de profil
Piston profile



BB) Echappement complet
Complete exhaust system



Marque
Make

MITSUBISHI

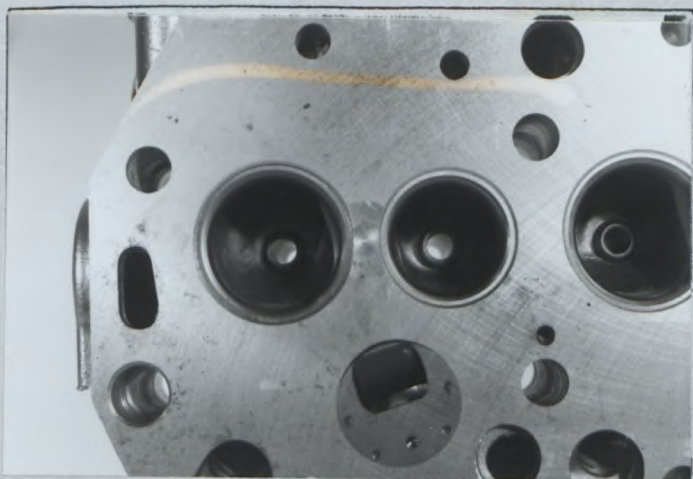
Modèle
Model

PAJERO (L044G)

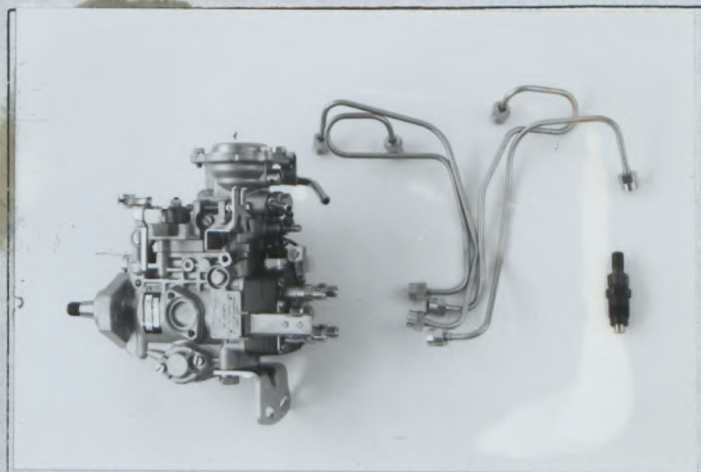
N° Homol.

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G) Chambre de combustion
Combustion chamber



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



I) Collecteur d'admission
Inlet manifold



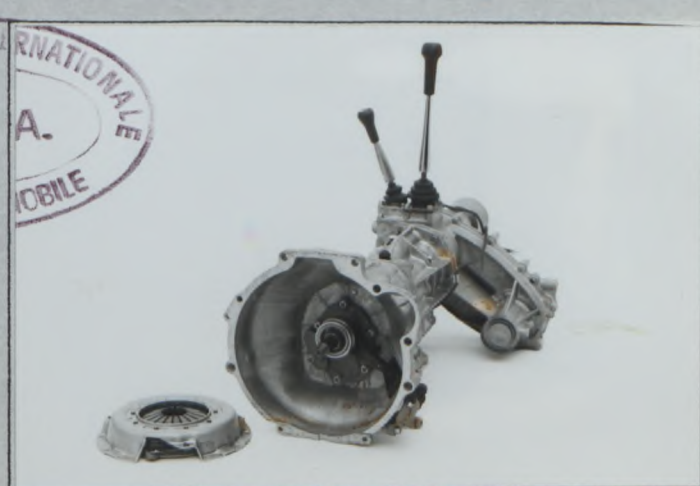
J) Collecteur d'échappement
Exhaust manifold



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

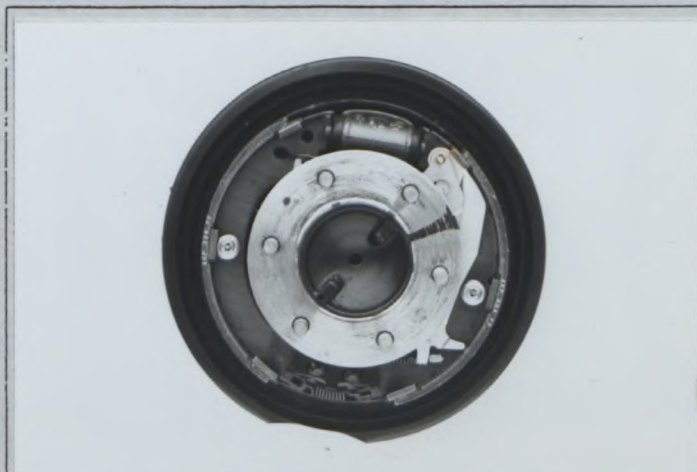
U) Train arrière complet déposé
Complete dismantled rear running gear



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

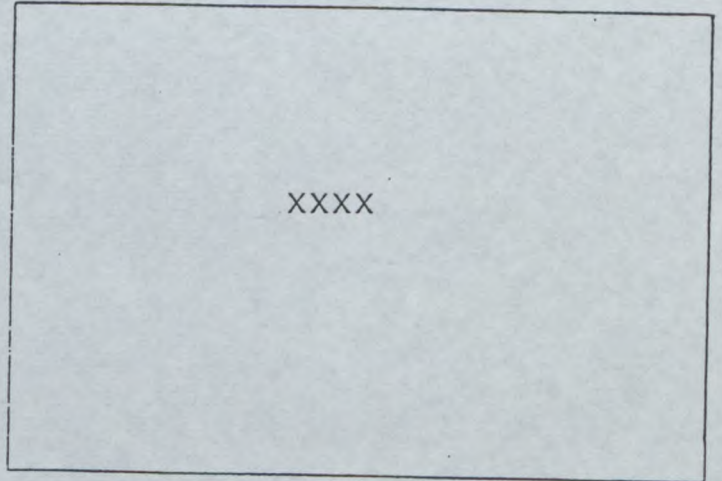
Modele PAJERO (L044G)
Model

N° Homol. T-1001

Carrosserie / Bodywork

X) Tableau de bord
Dashboard

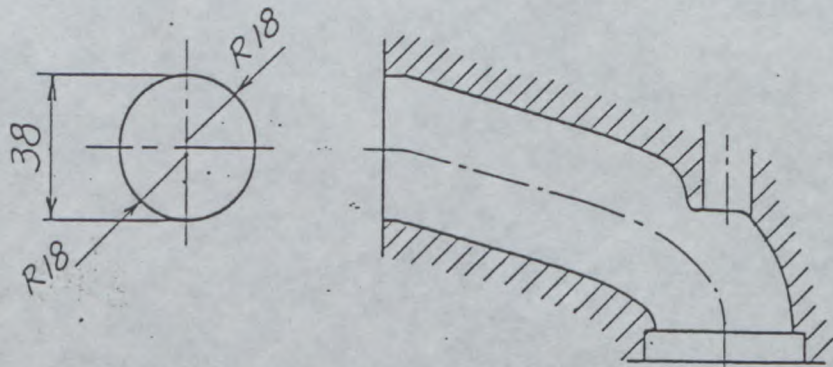
Y) Toit ouvrant
Sunroof



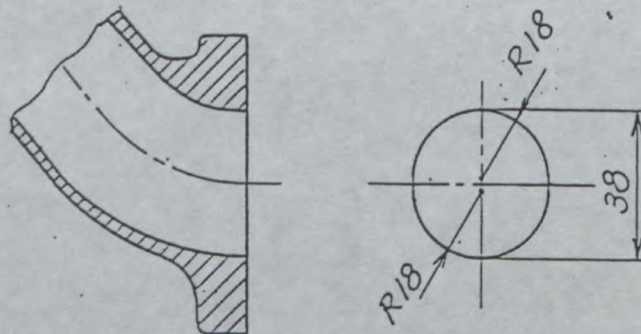
DESSINS / DRAWINGS

Moteur / Engine

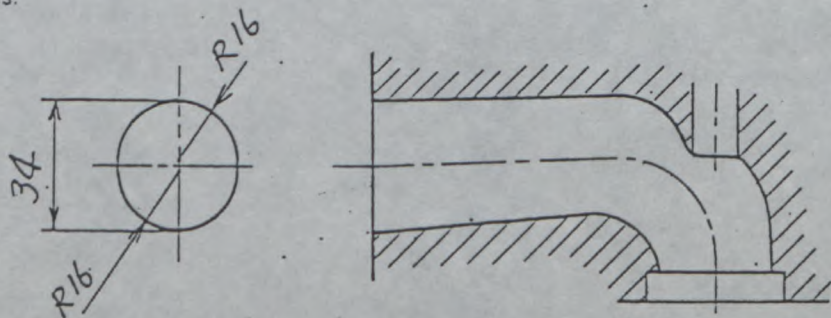
- I Orifices d'admission de la culasse, face collecteur (tolérances sur dimensions: -2%, +4%)
 Cylinderhead inlet ports, manifold side (tolerances on dimensions: -2%, +4%)



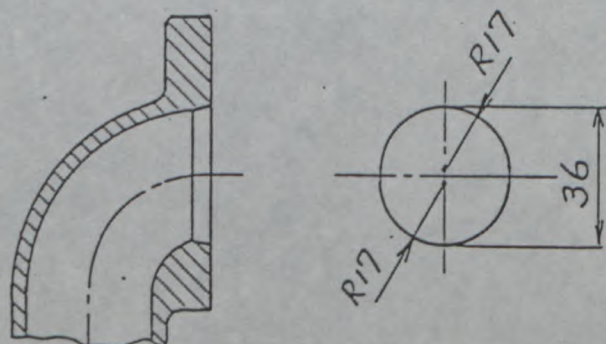
- II Orifices du collecteur d'admission, côté culasse (tolérances sur dimensions: -2%, +4%)
 Inlet manifold ports, cylinderhead side (tolerances on dimensions: -2%, +4%)



- 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 / Make MITSUBISHI

Modèle / Model PAJERO (L044G)

N° Homol. T - 1001

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





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

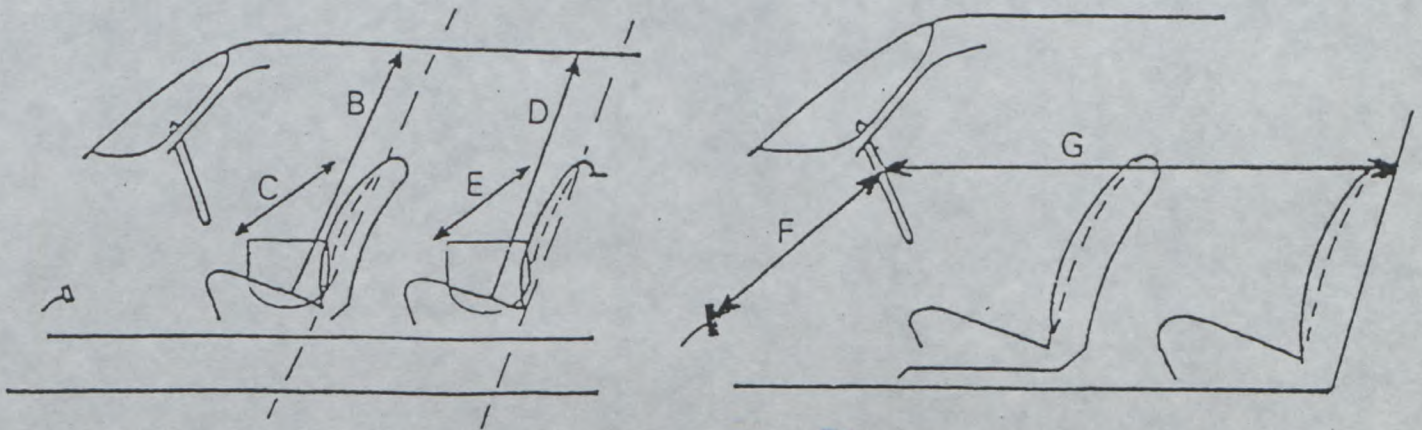
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Groupe Tout-Terrain
Group

Marque MITSUBISHI MOTORS CORP. Modèle PAJERO (L044G)
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 DU SPORT AUTOMOBILE FISA Homologation No
T-1001
 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-008
 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 (L044G)
 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 MITSUBISHI (H.I.)
 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

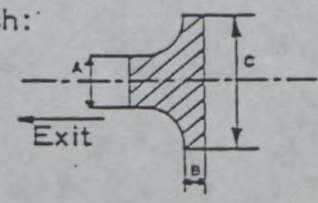
b2) Material Cast - iron
 材質

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

c2) Number of blades 12 c3) Height(s) of blade 7.5~12.5 $\begin{matrix} +0.3 \\ -0.2 \end{matrix}$ 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 $+0.25$



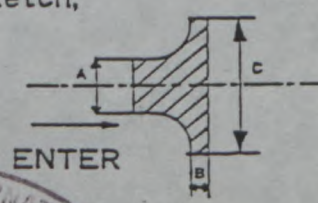
d) Impeller housing: インペラーハウジング d1) Number of air entries (gas) 1
 空気取入口穴数

d2) Material Aluminum alloy
 材質

e) Impeller wheel: インペラーホイール e2) Number of blades 12 e3) Height(s) of blade 0~10.8 $\begin{matrix} +0.15 \\ -0.10 \end{matrix}$ 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 = 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)

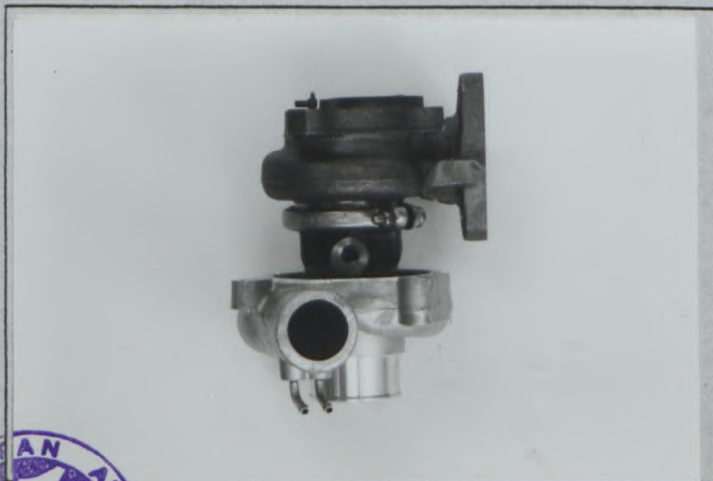
エキゾーストマニホールドとターボチャージャーの間の排気管の内部寸法(図)

The turbocharger is directly fitted in the exhaust manifold

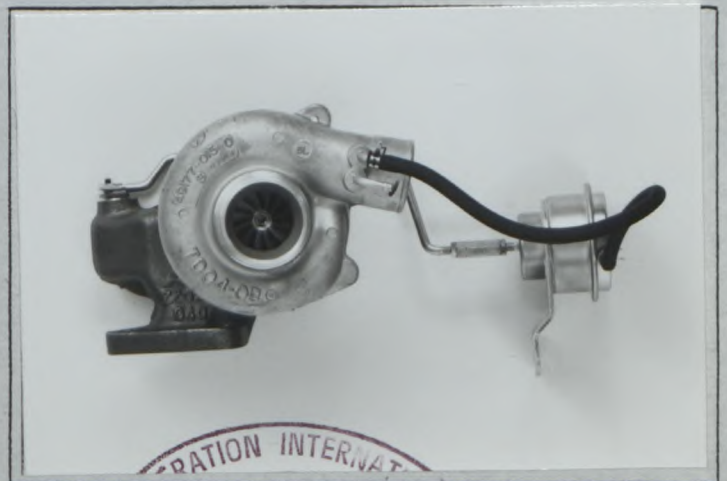
- h) Cooling of intake air : No
- h1) Inter cooler : No
- h2) Exchanger : No
- h3) Cooling of the turbo by water : No
- h4) Water injection : No

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



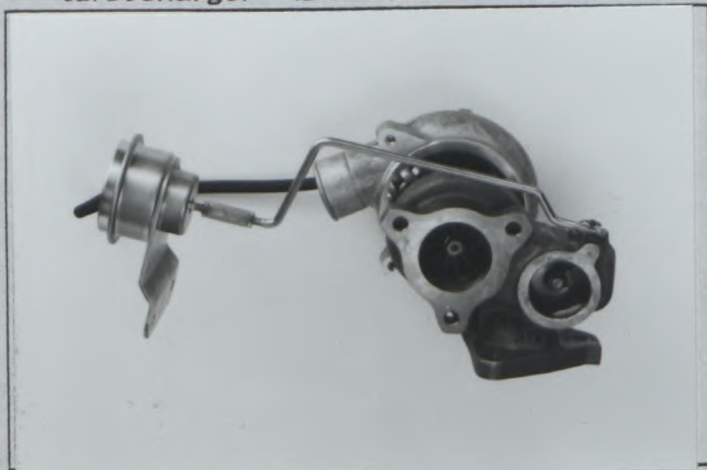
M) Side view of turbocharger
ターボチャージャーの側面



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

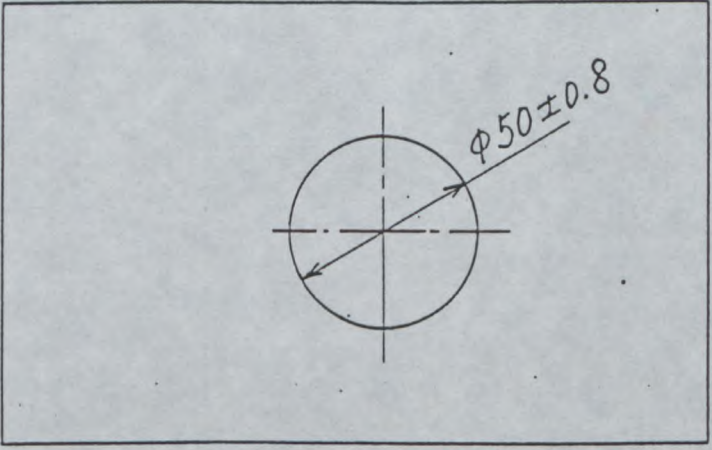
Q) Impeller housing of turbocharger
ターボチャージャーのインペラーハウジング



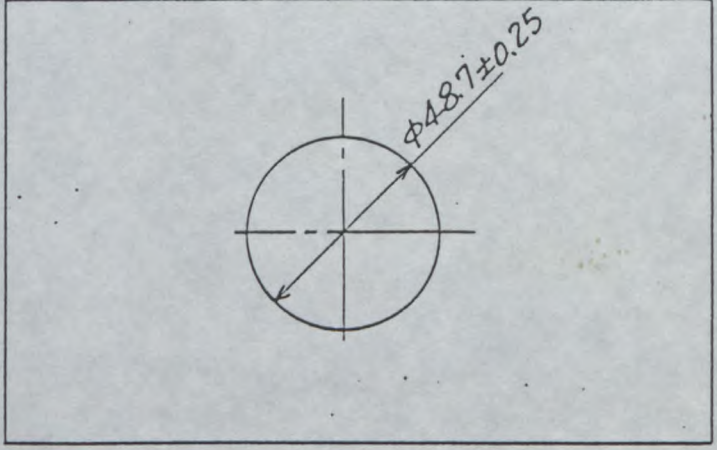
DRAWINGS

図面

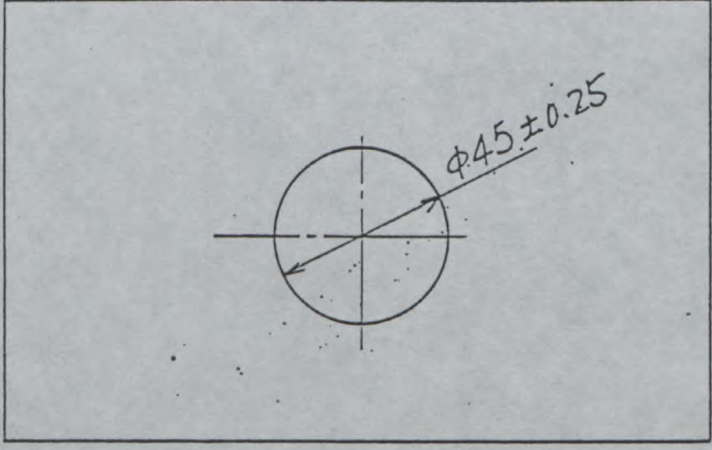
V) Exhaust gas entry in the turbine housing of turbocharger. タービンハウジングの排気ガス入口



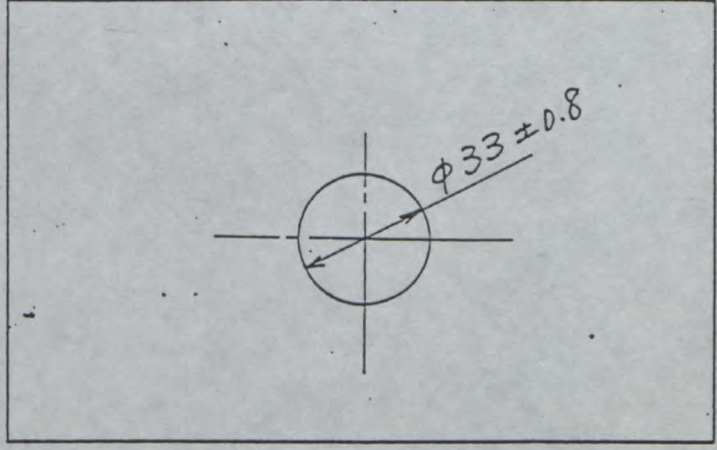
VI) Exhaust gas exit of the turbine housing of turbocharger. タービンハウジングの排気ガス出口



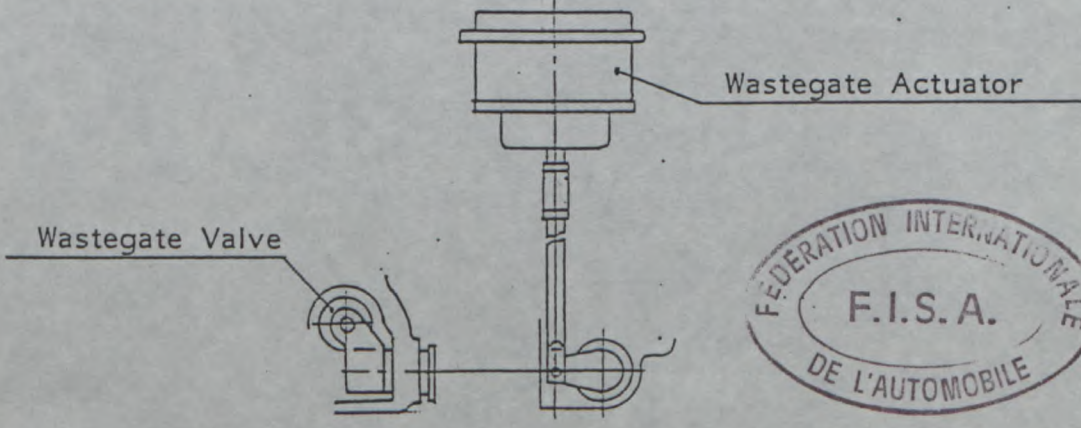
VII) Air (gas) entry in the impeller housing of the turbocharger インペラーハウジングの空気取入口



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 (L044G)

No Homol. **T-1001**

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 : 0.77Bar
	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-1001

Extension No

01/01 ER

JAF 公認番号 FT-008 ER- 2/1


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 T
公認発行日 _____ FISA グループ _____

Manufacturer MITSUBISHI MOTORS CORP. Model and type PAJERO TURBO (L044G)
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
		<p>Cancels and replace photo V shown on page 16 of the basic homologation form.</p> <p>V) Front brakes</p> 



FEDERATION INTERNATIONALE
F.I.S.A.
DE L'AUTOMOBILE

[Signature]



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

FISA Homologation No

T-1001

Extension No

02/01 ET

JAF 公認番号 FT-008 ET- 1/1

発効年月日 1988年 10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 MARS 1989 in group T
公認発行日 01 MARS 1989 FISA グループ T

Manufacturer MITSUBISHI MOTORS CORP. Model and type PAJERO (L044G)
製造者 MITSUBISHI MOTORS CORP. 型式と形式 PAJERO (L044G)

Page or ext. ページまたは補足	Art. 項目	Description 記述
	Photo A1	Complete car seen from 3/4 front
	C1	Right hand view of dismantled engine
	D1	Left hand view of dismantled engine
	E1	Engine in its compartment
	S1	Gear box casing and clutch bellhousing
	CC1	Clutch



[Handwritten signature]

Make MITSUBISHI
会社名

Model PAJERO (L044G)
型式

No Homol. T-1001

No Ext. 02/01 ET

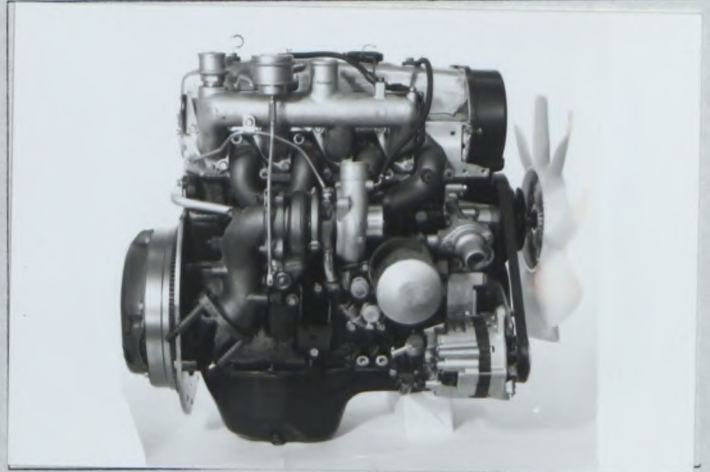
JAF公認番号 FT-008 ET- 1/1

PHOTOS / 写真

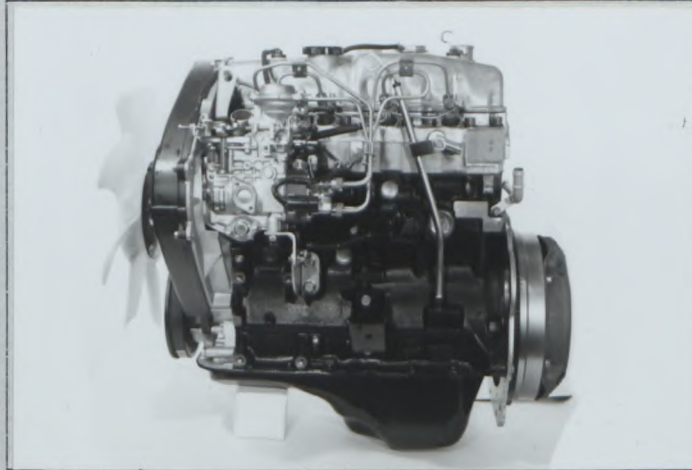
A1 Complete car seen from 3/4 front



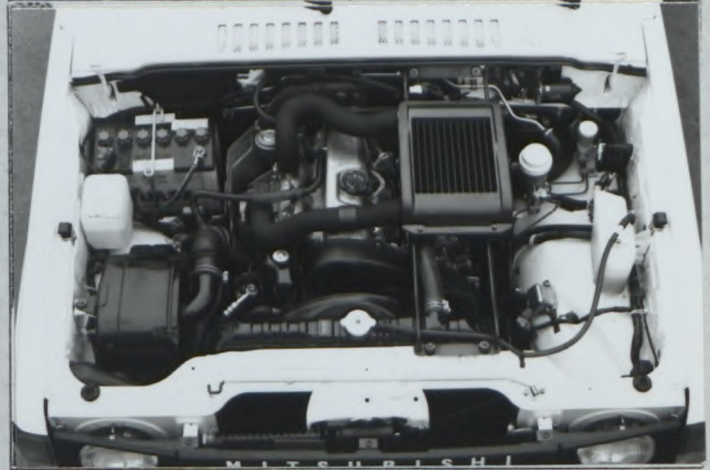
C1 Right hand view of engine



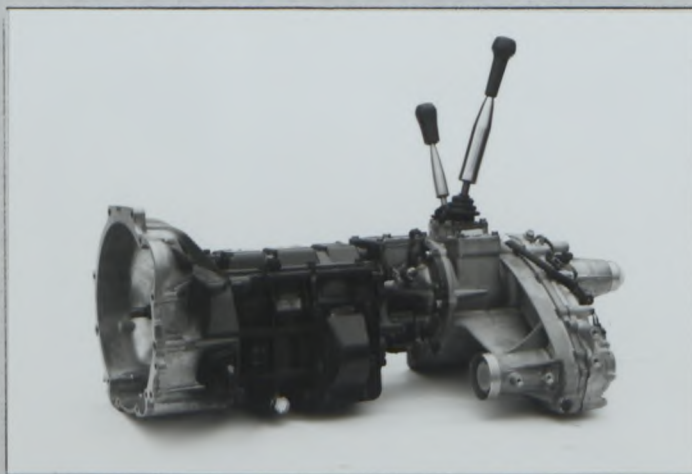
D1 Left hand view of engine



E1 Engine in its compartment



S1 Gear box casing



CC1 Clutch



Make 会社名 MITSUBISHI Model 型式 PAJERO (L044G) No Homol. T-1001

No Ext. 02/01 ET

JAF公認番号 FT-008 ET- 1/1

Page or ext. ページまたは補足	Art. 項目	Description 記述
--------------------------	------------	-------------------

COMPLEMENTARY INFORMATION
Body variation : Canvas top version

A2





FEDERATION INTERNATIONALE FISA Homologation No
DU SPORT AUTOMOBILE

JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

Group T
グループ T

T-1001
02/01ET

JAF公認番号 FT-008ET- 1/1

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 (L044G)
車両: 製造者 型式とモデル

Homologation valid as from 01 MARS 1989 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

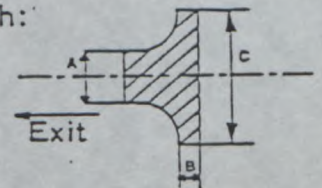
b2) Material Cast - iron
材質

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 $\begin{matrix} +0.3 \\ -0.2 \end{matrix}$ 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 $+0.25$



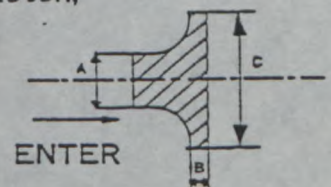
d) Impeller housing: d1) Number of air entries (gas) 1
インペラーハウジング 空気取入口穴数

d2) Material Aluminum alloy
材質

e) Impeller wheel: e2) Number of blades 12 e3) Height(s) of blade 0~10.8 $\begin{matrix} +0.15 \\ -0.10 \end{matrix}$ 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)

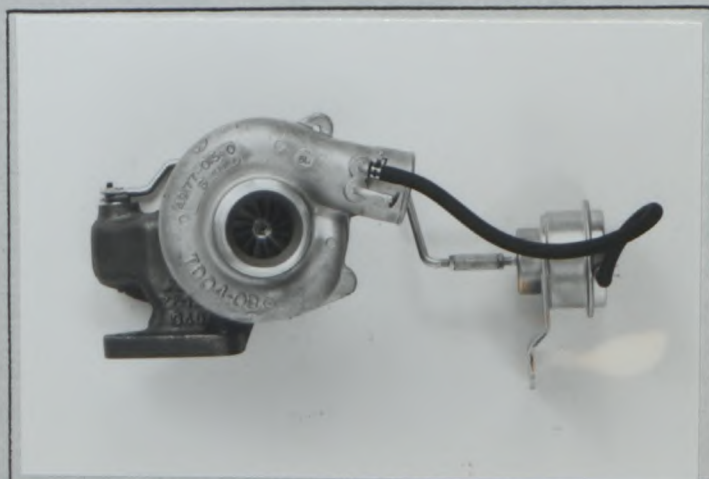
The turbocharger is directly fitted in the exhaust manifold

- 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



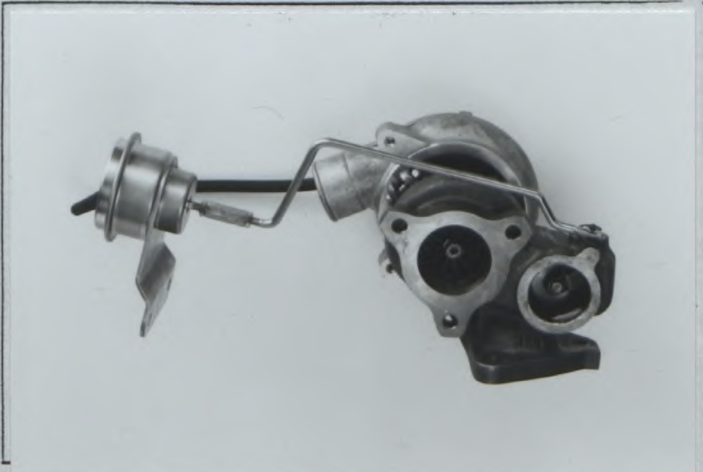
N) Turbine housing of turbocharger

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

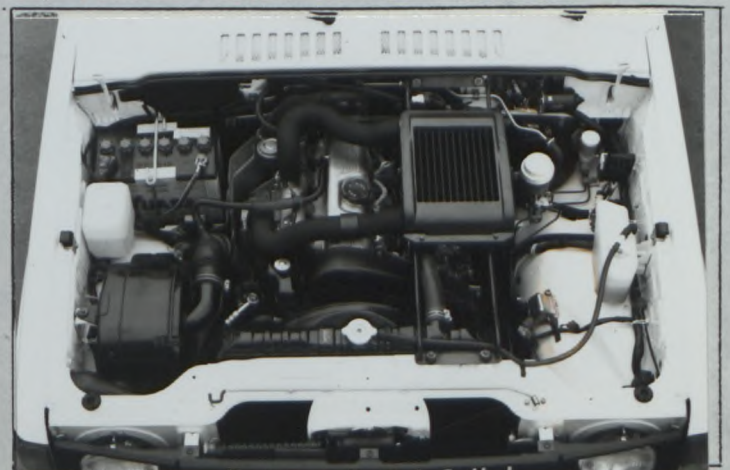


Q) Impeller housing of turbocharger

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



Make
会社名

MITSUBISHI

Model
型式

PAJERO (L044G)

Homologation No T-1001

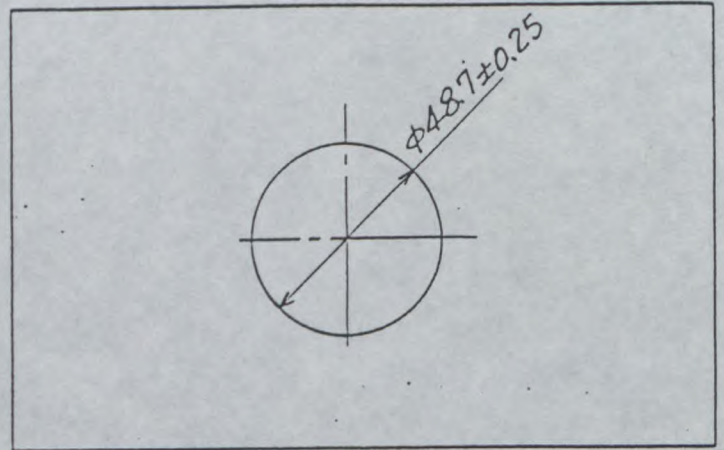
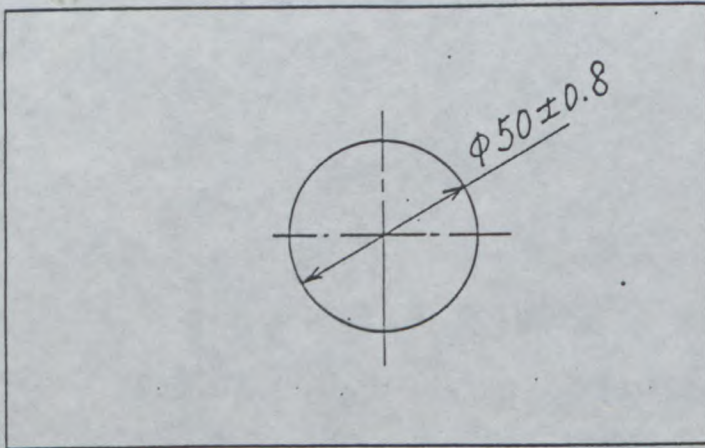
02/01 ET

DRAWINGS

図面

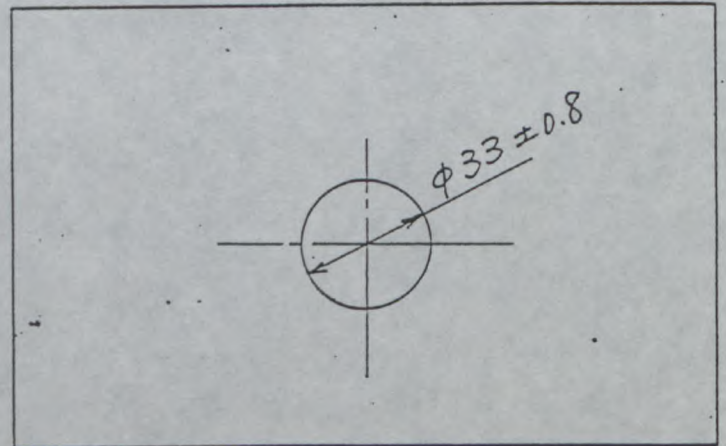
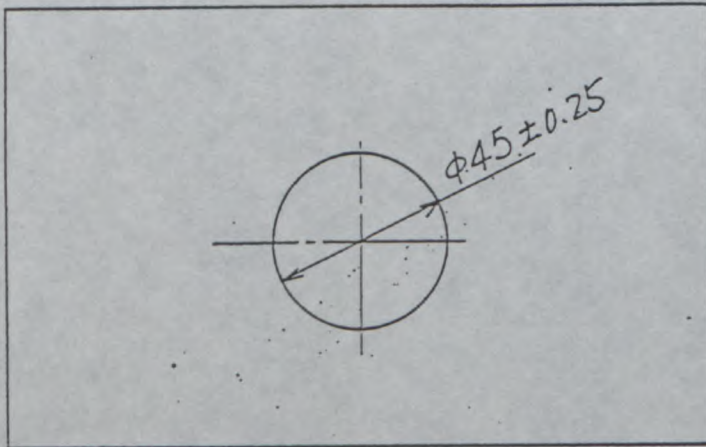
V) Exhaust gas entry in the turbine housing of turbocharger. タービンハウジングの排気ガス入口

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

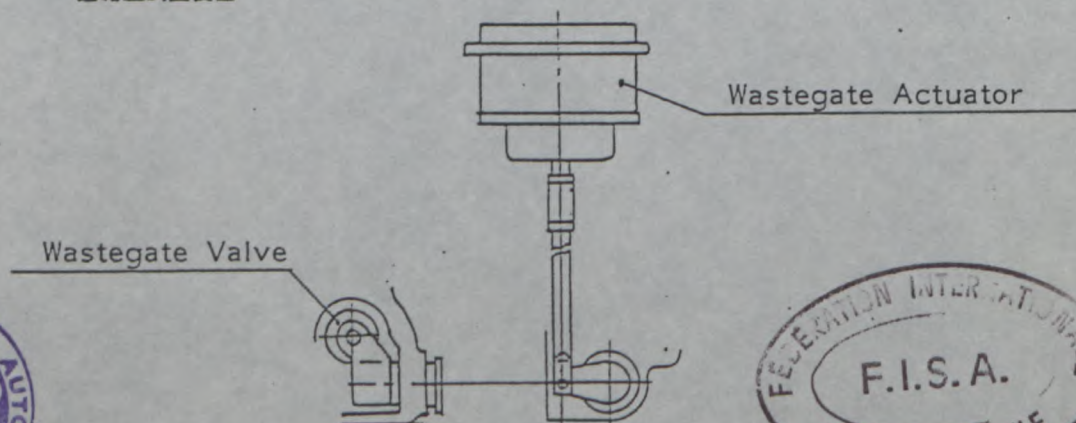


VII) Air (gas) entry in the impeller housing of the turbocharger. インペラーハウジングの空気取入口

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 MITSUBISHI
社名

Model PAJERO (L044G)
型式

No Homol. T-1001

No Ext. 02/01ET

For ET

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



Marque
Make MITSUBISHI MOTORS CORP.

Modèle
Model PAJERO TURBO (L044G)

Homologation No.

T-1001

Extension No.

03/02 ER

JAF公認番号 **FT-008 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 accepted.

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

..... 7.T.H. Oct. 1988.

Car Model

型式

..... L044G

Type or

commercial designation

タイプまたは通称名

..... PAJERO TURBO

Homologation No.

車両公認No.

..... T-1001

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*

Position

所属役職

..... Vice General Manager

..... Passenger-car Product Planning Dept.

	Month/year 月/年	Number 生産数
1	Sep, 1988	2,290
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
TOTAL		2,290
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

FT-008 ET- 1/1

Manufacturer
製造者 MITSUBISHI MOTORS CORP.

Date
年月日 16th Jan. 1989

Car Model
型式 L044G

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

Homologation No.
車両公認No. T-1001

Nature of the extension
追加公認の種類 ET

02/01 ET

Month/year 月/年		Number 生産数
1	Oct, 1988	23
2	Nov, 1988	850
3	Dec, 1988	980
4		
5		
6		
7		
8		
9		
10		
11		
12		
TOTAL		1,853
Remarks: 注 with inter cooler		

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.

JAPAN AUTOMOBILE FEDERATION (JAF)

