



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

**T-1046**

FT-039

M 14

Groupe **Tout-Terrain**  
Group

1991年 5月31日

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

Homologation valable à partir du  
Homologation valid as from

**01 JUL. 1991**

en groupe **Tout-Terrain**  
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 (V24)**  
Commercial name(s) — Type and model

103. Cylindrée totale **(2,476.8 x 1.7) 4,210.6** cm<sup>3</sup>  
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 **5**  
Number of places





Marque MITSUBISHI Modèle PAJERO (V24) N° Homol. T-1046  
 Make \_\_\_\_\_ Model \_\_\_\_\_

**2. DIMENSIONS, POIDS / DIMENSIONS, WEIGHT**

201. Poids minimum 1755 kg  
 Minimum weight \_\_\_\_\_
202. Longueur hors-tout 4145 mm ± 1%  
 Overall length \_\_\_\_\_
203. Largeur hors-tout 1785 mm ± 1% Endroit de la mesure At rear axle  
 Overall width \_\_\_\_\_ Where measured \_\_\_\_\_
204. Largeur de la carrosserie: a) A la hauteur de l'axe AV  
 Width of bodywork: At front axle 1770 mm ± 1%  
 b) A la hauteur de l'axe AR  
 At rear axle 1785 mm ± 1%
206. Empattement: a) Droit 2420 mm ± 1% b) Gauche: 2420 mm ± 1%  
 Wheelbase: Right \_\_\_\_\_ Left: \_\_\_\_\_
207. Voie maximum AV 1465 mm AR 1480 mm  
 Maximum track Front \_\_\_\_\_ Rear \_\_\_\_\_
209. Porte-à-faux: a) AV: 720 mm ± 1% b) AR: 1005 mm ± 1%  
 Overhang: Front: \_\_\_\_\_ Rear: \_\_\_\_\_
210. Distance «G» (volant — paroi de séparation AR) 1575 mm ± 1%  
 Distance «G» (steering wheel — rear bulkhead) \_\_\_\_\_

**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: Front Longitudinal Vertical angle : 0°  
 Location and position of the engine: Inclination (F/R) : 5°50'
302. Nombre de supports 2  
 Number of supports \_\_\_\_\_
303. Cycle Diesel (4)  
 Cycle \_\_\_\_\_





Marque / Make: MITSUBISHI      Modèle / Model: PAJERO (V24)      N° Homol. \_\_\_\_\_

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 \_\_\_\_\_

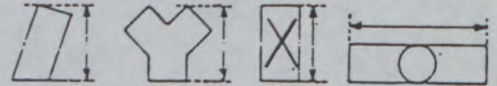
307. Cylindrée: a) Unitaire (619.2 ~~1117~~) b) Totale  
 Cylinder capacity: a) Unitary 1052.6 cm<sup>3</sup> b) Total (2476.8 x 1.7) 4210.6 cm<sup>3</sup>

308. Volume minimal total d'une chambre de combustion 29.0 cm<sup>3</sup>  
 Total minimum volume of a combustion chamber \_\_\_\_\_

309. Volume minimum d'une chambre de combustion dans la culasse 19.2 cm<sup>3</sup>  
 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 630 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 cm<sup>3</sup>  
 Piston groove volume \_\_\_\_\_





Marque MITSUBISHI Modèle PAJERO (V24) N° Homol. T-1046  
 Make MITSUBISHI Model PAJERO (V24)

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): 56.0 mm  $\pm 0.1\%$   
 d) Longueur entre axes: 158 mm ( $\pm 0.1$  mm) e) Poids minimum: 1,025 g  
 Length between the axes: 158 mm ( $\pm 0.1$  mm) Minimum weight: 1,025 g

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 66 mm  $\pm 0.2\%$   
 Diameter of bearings 66 mm  $\pm 0.2\%$   
 g) Matériau des chapeaux des paliers Cast - iron  
 Bearing caps material Cast - iron  
 h) Poids minimum du vilebrequin nu 17,400 g  
 Minimum weight of the bare crankshaft 17,400 g  
 i) Diamètre maximum des manetons 53 mm  
 Maximum diameter of big end journals 53 mm

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

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

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

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





Marque MITSUBISHI Modèle PAJERO (V24) N° Homol. T-1046  
 Make MITSUBISHI Model PAJERO (V24) N° Homol. T-1046

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

324. Alimentation par injection: a) Marque: ZEXEL  
 Fuel feed by injection: Manufacturer: ZEXEL
- b) Modèle du système d'injection: Diesel Fuel Injection (VE Type Pump)  
 Model of injection system: Diesel Fuel Injection (VE Type Pump)
- c) Mode de dosage du carburant:  mécanique  électronique  hydraulique  
 Kind of fuel measurement:  mechanical  electronical  hydraulic
- 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  
 Measurement of air pressure 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 X X X X mm
- e) Nombre des sorties effectives de carburant 4  
 Number of effective fuel outlets 4
- 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 1 Location TOP(OHC)
- c) Système d'entraînement Notched belt d) Nombre de paliers par arbre 5  
 Driving system Notched belt Number of bearings for each shaft 5
- e) Diamètre des paliers 30.0 mm  
 Diameter of bearings 30.0 mm
- f) Système de commande des soupapes Rocker  
 Type of valve operation Rocker





Marque  
Make

\_\_\_\_\_  
MITSUBISHI

Modèle  
Model

\_\_\_\_\_  
PAJERO (V24)

N° Homol. \_\_\_\_\_

**T-1046**

**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 Number of valves per cylinder

d) Diamètre maximum des soupapes 40.1 mm e) Diamètre de la tige de soupape 8 ± 0.2 mm  
Maximum diameter of the valves Diameter of the valve stem

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

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

**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 Diameter of the manifold exit(s)

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

e) Diamètre maximum des soupapes 34.1 mm f) Diamètre de la tige de soupape 8 ± 0.2 mm  
Maximum diameter of the valves Diameter of the valve stem

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

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

**329. Système anti-pollution** a) oui/non

Anti pollution system yes/no

b) Description X X X X  
Description

**330. Système d'allumage:** a) Type

Ignition system: Type X X X X

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

d) Nombre de bobines X X X X  
Number of coils

**332. Ventilateur de refroidissement** a) Nombre

Cooling fan Number 1

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

e) Type de connexion Thrmo type  
Type of connection

b) Diamètre de l'hélice 430 mm  
Diameter of the screw

d) Nombre de pales 8  
Number of blades

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





Marque  
Make

MITSUBISHI

Modèle  
Model

PAJERO (V24)

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333. Système de lubrification: a) Type Wet sump b) Nombre de pompes à huile  
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 Nombre  
Oil radiator(s) yes/~~no~~ Number 1

e) Emplacement du/des radiateurs  
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  
Battery(ies): Number 1

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

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

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

503. Phares escamotables: a) oui/non  
Retractable headlights: yes/no

b) Système de commande  
Drive system X X X X

### 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» MITSUBISHI c) Marque «automatique» X X X X  
«Manual» make «Automatic» make

d) Emplacement de la commande  
Location of the gear lever Floor



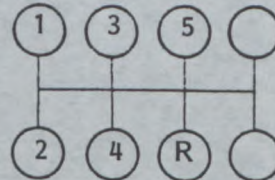


603. Boîte de vitesse

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	$\frac{36}{13} \times \frac{40}{36}$	X			
Constante						
Constant.	1.28	37/29				

f) Grille de vitesse  
Gear change gate



604. Surmultiplication: a) Type X X X X  
Overdrive: Type \_\_\_\_\_

b) Rapport X X X X c) Nombre de dents X X X X  
Ratio \_\_\_\_\_ Number of teeth \_\_\_\_\_

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
<u>Hypoid &amp; Bevel gear</u>	<u>Hypoid &amp; Bevel gear</u>
<u>4.875</u>	<u>4.875</u>
<u>39/8</u>	<u>39/8</u>
<u>X X X X</u>	<u>Limited Slip</u>





Marque MITSUBISHI Modèle PAJERO (V24) N° Homol. T-1046  
 Make \_\_\_\_\_ Model \_\_\_\_\_

e) Rapport de la boîte de transfert  
 Ratio of the transfer box 1 ; 1.925

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

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 hélicoidaux: AV: oui/non AR: oui/non  
 Helicoïdal springs: Front: ~~yes~~/no Rear: yes/~~no~~

a) Matériau  
 Material

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

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

703. Ressorts à lames  
 Leaf springs

A = lame maîtresse / X = lame auxiliaire  
 2 = 2<sup>e</sup> lame / 3 = 3<sup>e</sup> lame / 4 = 4<sup>e</sup> lame / 5 = 5<sup>e</sup> 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>X X X X</u>	<u>X X X X</u>	<u>X X X X</u>

a) Matériau  
 Material

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





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

AV / Front	AR / Rear
Steel	X X X X

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

X X X X

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

AV / Front	AR / Rear
1,421 mm	1,910 mm
25 mm	20 mm
Steel	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
15	15
381 mm	381 mm
7	7
178 mm	178 mm

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

On the rear gate





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, VACUUM  
 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 42.9 mm 42.9 mm  
 Bore \_\_\_\_\_ mm

f) Freins à tambours:

Drum brakes:

f1) Diamètre intérieur XXXX mm ( $\pm 1.5$  mm) XXXX mm ( $\pm 1.5$  mm)  
 Interior diameter \_\_\_\_\_ mm

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

f3) Surface de freinage XXXX cm<sup>2</sup> XXXX cm<sup>2</sup>  
 Braking surface \_\_\_\_\_ cm<sup>2</sup>

f4) Largeur des garnitures XXXX mm XXXX mm  
 Width of the shoes \_\_\_\_\_ mm

g) Freins à disques:

Disc brakes:

g1) Nombres de sabots par roue 2 2  
 Number of pads per wheel \_\_\_\_\_

g2) Nombre d'étriers par roue 1 1  
 Number of calipers per wheel \_\_\_\_\_

g3) Matériau des étriers Cast - iron Cast - iron  
 Caliper material \_\_\_\_\_

g4) Epaisseur maximale du disque 24 ± 1.0 mm 18 ± 1.0 mm  
 Maximum disc thickness \_\_\_\_\_ mm

g5) Diamètre extérieur du disque 276 ± 1.5 mm ( $\pm 1$  mm) 315 ± 1.5 mm ( $\pm 1$  mm)  
 Exterior diameter of the disc \_\_\_\_\_ mm

g6) Diamètre extérieur de frottement des sabots 274 ± 1.5 mm 313 ± 1.5 mm  
 Exterior diameter of the shoe's rubbing surface \_\_\_\_\_ mm

g7) Diamètre intérieur de frottement des sabots 181 ± 1.5 mm 235 ± 1.5 mm  
 Interior diameter of the shoe's rubbing surface \_\_\_\_\_ mm

g8) Longueur hors-tout des sabots 122.6 ± 1.5 mm 87.2 ± 1.5 mm  
 Overall length of the shoes \_\_\_\_\_ mm

g9) Disques ventilés oui/non oui/non  
 Ventilated disc yes/no yes/no

g10) Surface de freinage par roue \_\_\_\_\_ cm \_\_\_\_\_ cm  
 Braking surface per wheel \_\_\_\_\_ cm

h) Frein de stationnement:

Parking brake:

Emplacement de la commande Between front seat  
 Location of the lever \_\_\_\_\_

n1) Système de commande

Command system

Cable

h3) Effet sur roues

On which wheels

AV

AR

Front Rear





304. Direction: a) Type Recirculating ball and nut  
 Steering: Type Recirculating ball and nut  
 b) Rapport / Ratio: 1 ; 16.4 ~ 18.0      c) Servo-assistance / Power assisted: oui/non / yes/~~no~~

9. CARROSSERIE / BODYWORK

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

d) Sièges / Seats

	AR / Rear	AV / Front
d1) Type / Type	<u>Bench</u>	<u>Separate</u>
d2) Appuie-tête / Headrest	<u>oui/non / yes/<del>no</del></u>	<u>oui/non / yes/<del>no</del></u>
d3) Poids / Weight	<u>31.1</u> kg	<u>13.7</u> kg

d1) Type

Type

d2) Appuie-tête

Headrest

d3) Poids

Weight

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

Car rear seat be folded

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

Rear ledge

e1) Matériau / Material: X X X X

Material

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

Sun roof optional

f1) Type: X X X X

Type

f2) Système de commande / Command system: X X X X

Command system

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

Opening system for the side windows:

AV/Front: Manual

AR/Rear: X X X X

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

Exterior:

c) Matériau des portières: / Door material: Steel

Door material:

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

Rear tailgate

AV/Front: Steel

AR/Rear: X X X X

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

Front bonnet material

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

Rear bonnet / tailgate material

f) Matériau de la carrosserie / Bodywork material: Steel

Bodywork material





Marque  
Make

MITSUBISHI

Modèle  
Model

PAJERO (V24)

N° Homol.

T-1046

- k) Matériau des vitres latérales avant  
Front side window material Safety glass
- l) Matériau du pare-choc avant  
Material of the front bumper Steel / Plastics (Polypropylene)
- m) Matériau du pare-choc arrière  
Material of the rear bumper Steel / Plastics (Polypropylene)
- 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 : 4,625 : 5.285  
c) Teeth number : 37/8 : 37/7





Make MITSUBISHI Model PAJERO (V24) No Homol. T-1046  
 会社名 \_\_\_\_\_ 型式 \_\_\_\_\_

No Ext. \_\_\_\_\_

JAF公認番号 \_\_\_\_\_

Page or ext. ページまたは補足	Art. 項目	Description 記述		
		COMPLEMENTARY INFORMATION Body variation		
		Photo	A1, B1	A2, B2
	201	Minimum weight	1655 kg	1710 kg
	203	Overall width	1695 mm±1%	1695 mm±1%
	204 a)	Width of bodywork At front axle	1690 mm±1%	1690 mm±1%
	204 b)	Width of bodywork At rear axle	1695 mm±1%	1695 mm±1%
	207	Maximum track Front	1420 mm	1420 mm
		Maximum track Rear	1435 mm	1435 mm





Make  
会社名 MITSUBISHI

Model  
型式 PAJERO (V24)

No Homol. **T-1046**

PHOTOS / 写真

No Ext. \_\_\_\_\_

JAF公認番号 \_\_\_\_\_

A1



B1



A2



B2

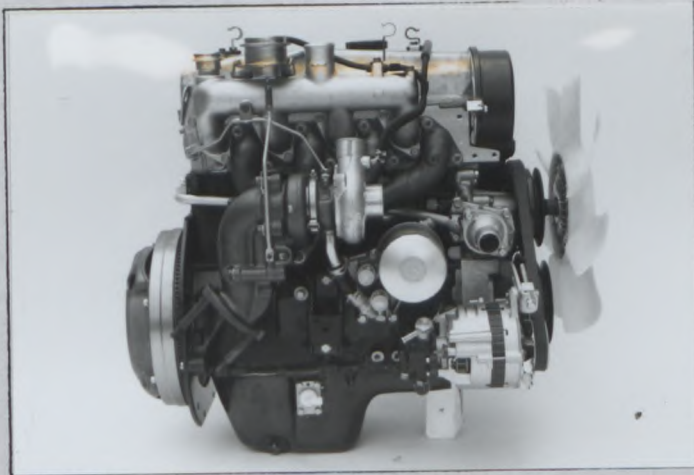




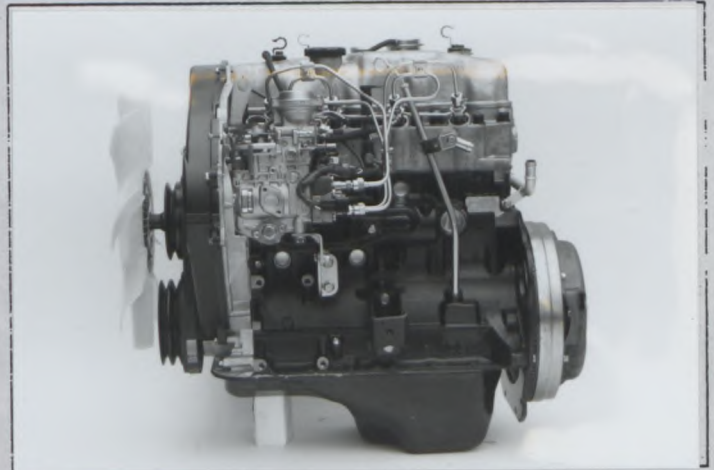
PHOTOS / PHOTOS

Moteur / Engine

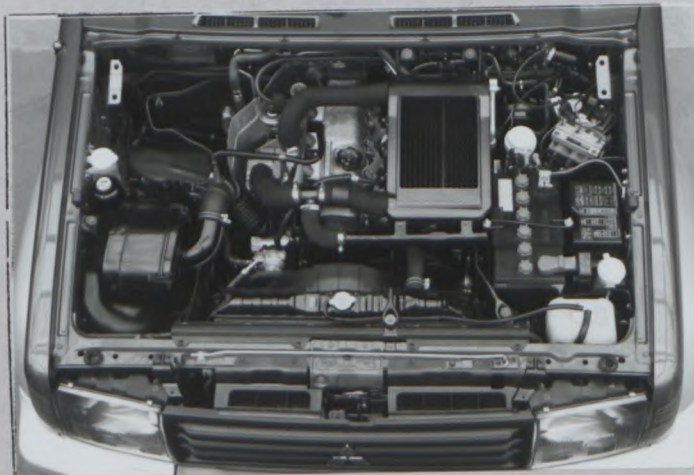
C) Profil droit du moteur déposé  
Right hand view of dismantled engine



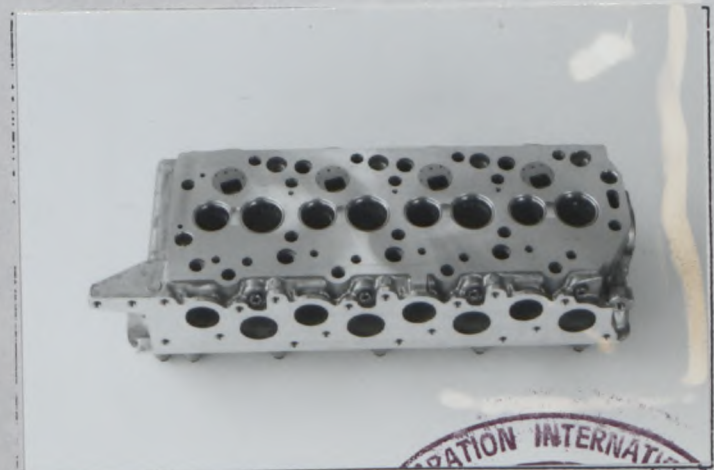
D) Profil gauche du moteur déposé  
Left hand view of dismantled engine



E) Moteur dans son compartiment  
Engine in its compartment



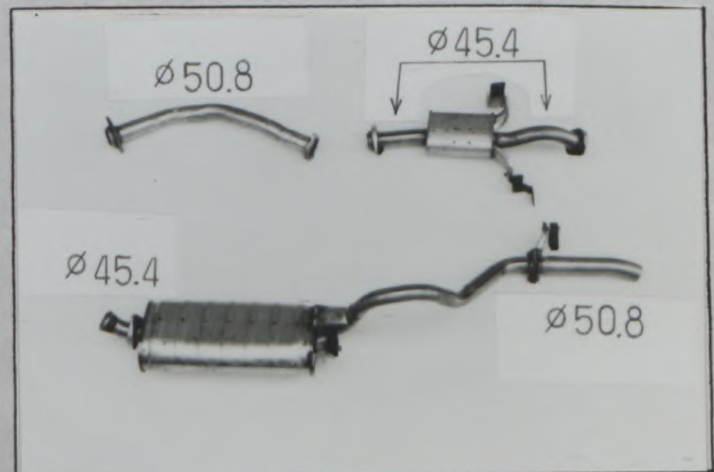
F) Culasse nue  
Bare cylinderhead



AA) Piston de profil  
Piston profile



BB) Echappement complet  
Complete exhaust system



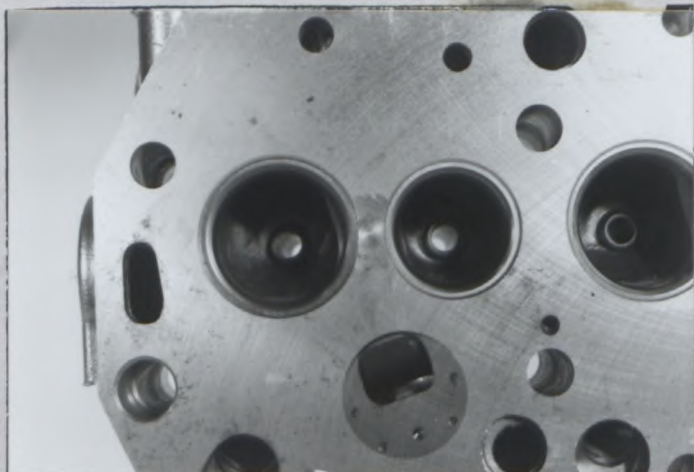


Marque MITSUBISHI  
Make

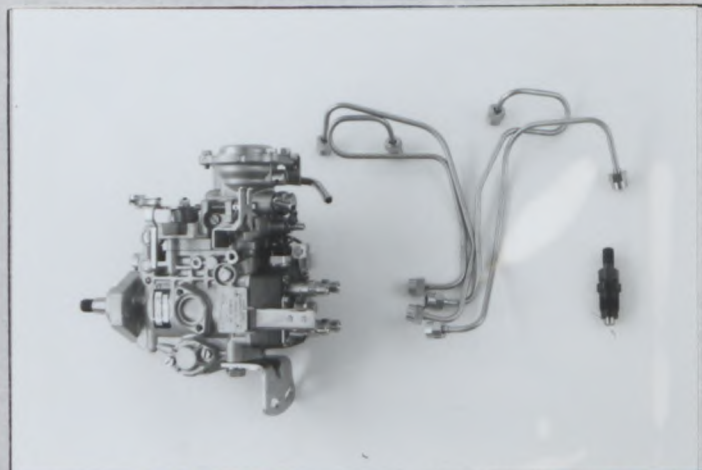
Modèle PAJERO (V24)  
Model

N° Homol. T-1046

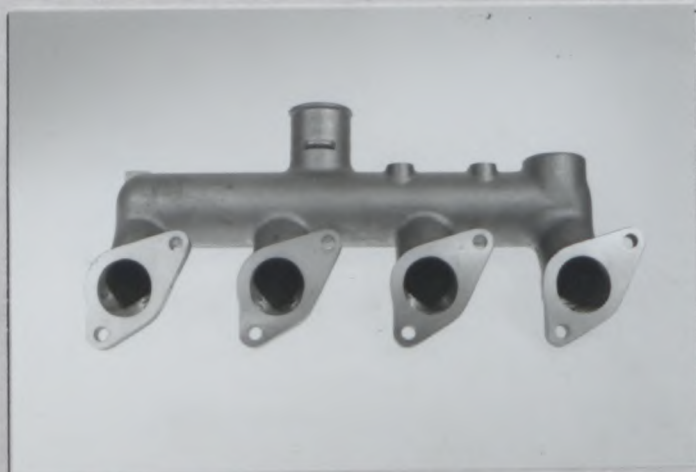
G) Chambre de combustion  
Combustion chamber



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



I) Collecteur d'admission  
Inlet manifold

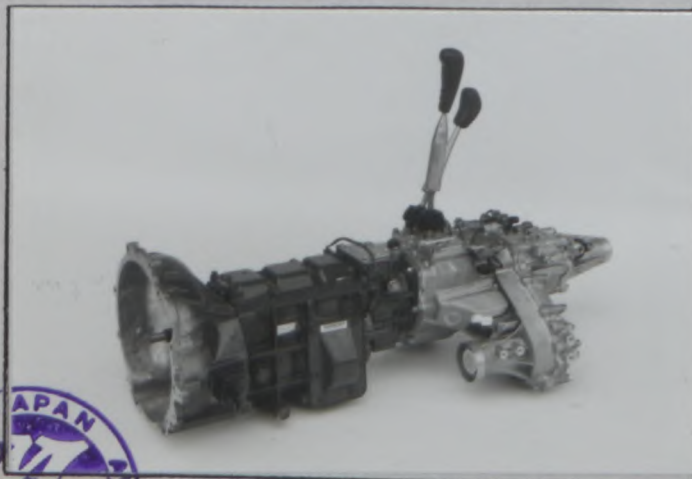


J) Collecteur d'échappement  
Exhaust manifold

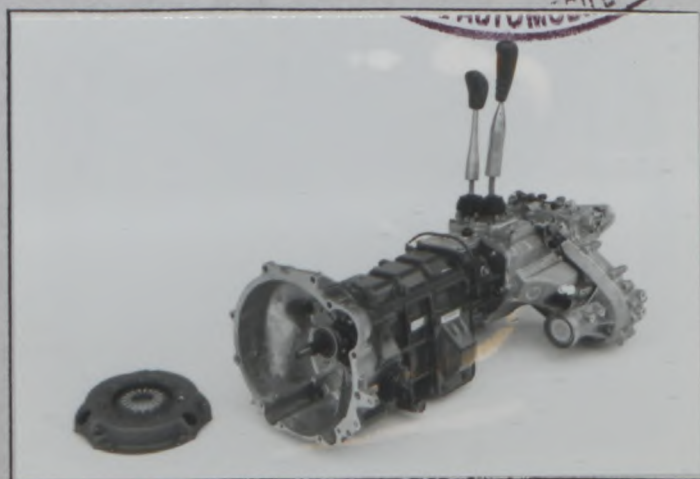


Transmission / Transmission

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



CC) Embrayage  
clutch

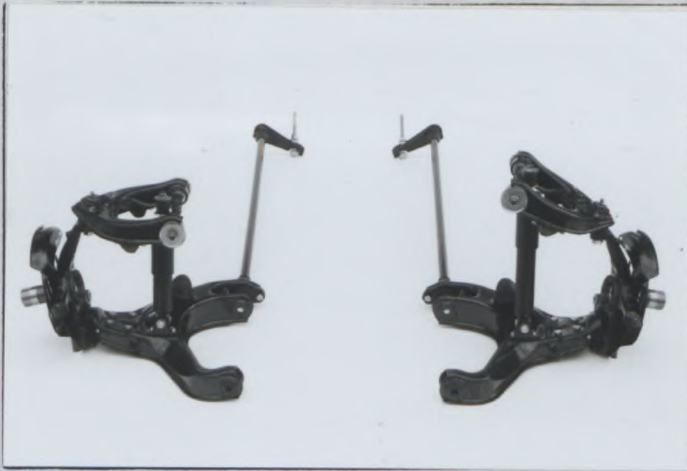




Suspension / Suspension

T) Train avant complet déposé

Complete dismantled front running gear



U) Train arrière complet déposé

Complete dismantled rear running gear



Train roulant / Running gear

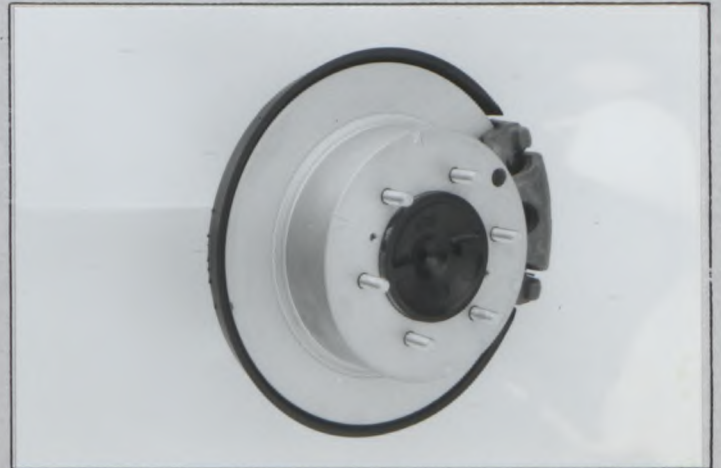
V) Freins avant

Front brakes



W) Freins arrière

Rear brakes



EE) Roue de secours dans son emplacement

Spare wheel in its location





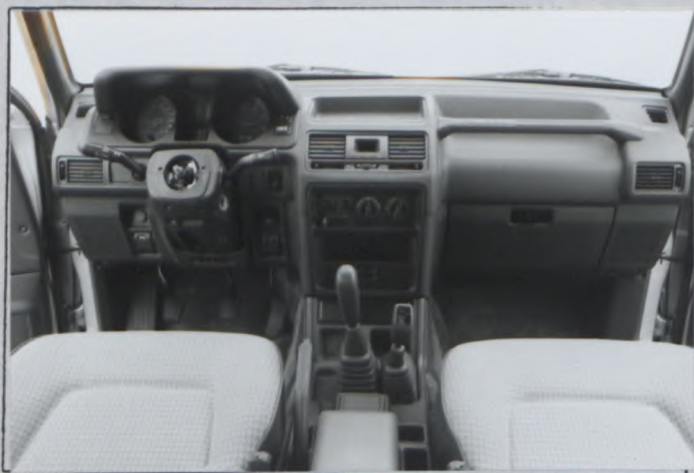
Marque  
Make MITSUBISHI

Modele  
Model PAJERO (V24)

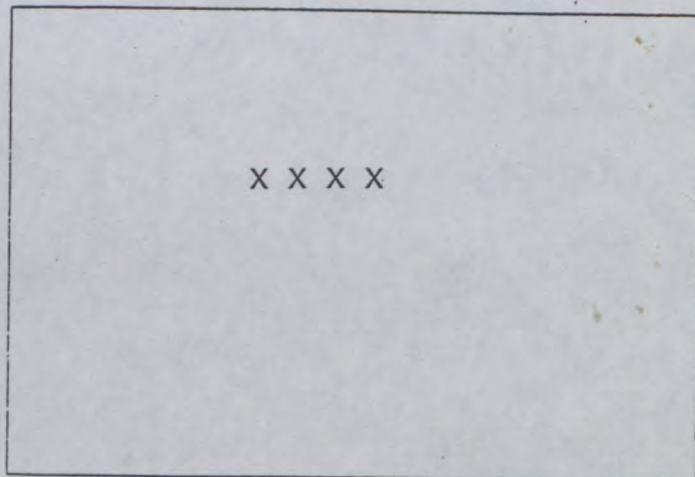
N° Homol. T-1046

Carrosserie / Bodywork

X) Tableau de bord  
Dashboard



Y) Toit ouvrant  
Sunroof

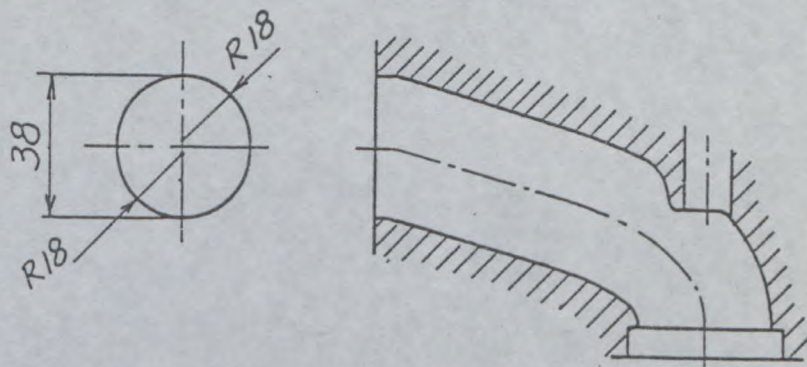




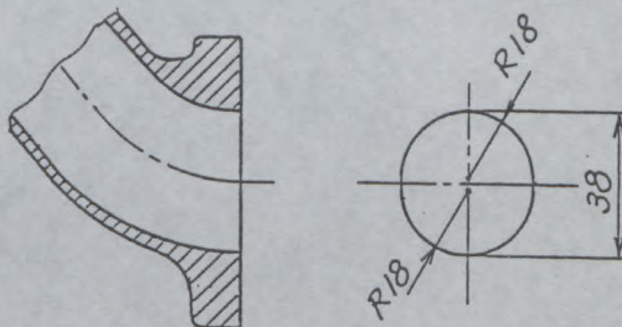
DESSINS / DRAWINGS

Moteur / Engine

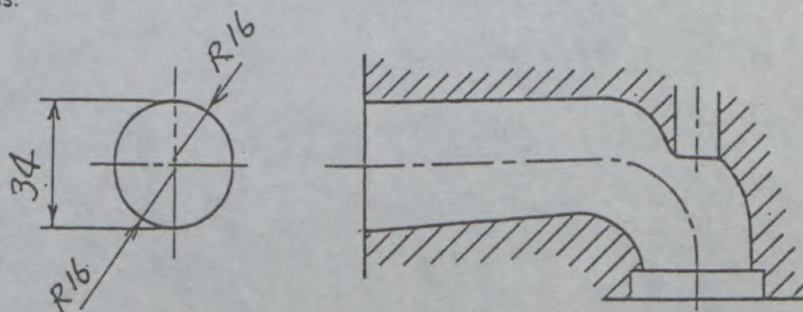
- I Orifices d'admission de la culasse, face collecteur (tolérances sur dimensions: -2%, +4%)  
 Cylinderhead inlet ports, manifold side (tolerances on dimensions: -2%, +4%)



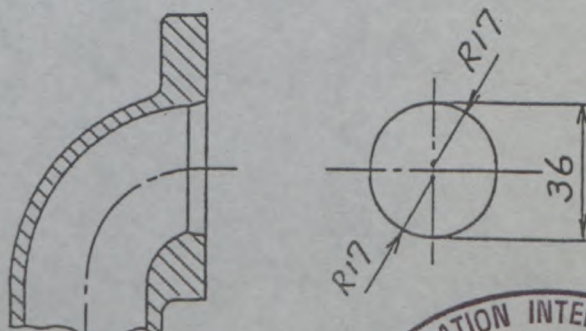
- II Orifices du collecteur d'admission, côté culasse (tolérances sur dimensions: -2%, +4%)  
 Inlet manifold ports, cylinderhead side (tolerances on dimensions: -2%, +4%)



- 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 (V24)

**T-1046**  
N° Homol. \_\_\_\_\_

**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 / Make MITSUBISHI

Modèle / Model PAJERO (V24)

N° Homol. T-1046

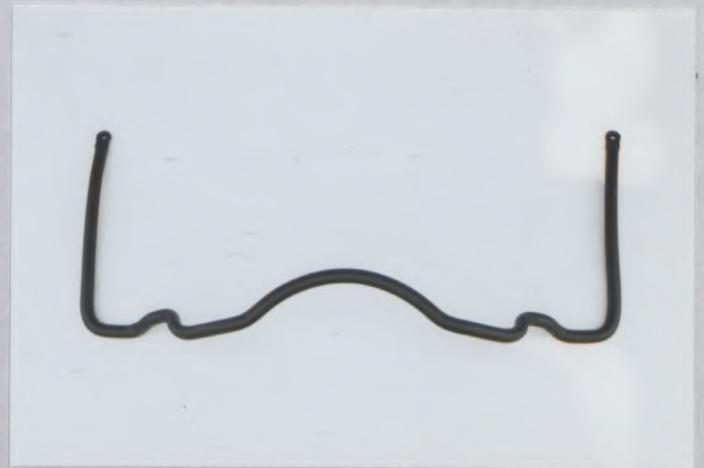
Suspension / Suspension

XVI Stabilisateur / Stabilizer Selon article 706 / According to article 706

Front



Rear







# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

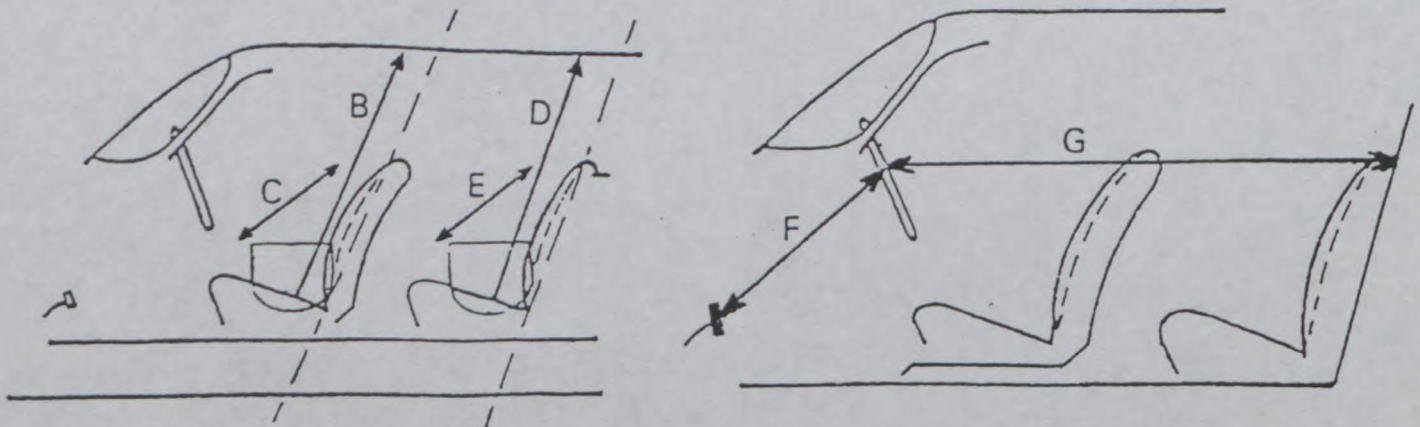
Homologation N°

**T-1046**

Groupe Tout-Terrain  
Group

Marque MITSUBISHI MOTROS CORP. Modèle PAJERO (V24)  
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)	990	mm
C (Largeur aux sièges avant) (Width at front seats)	1,410	mm
D (Hauteur sur sièges arrière) (Height above rear seats)	990	mm
E (Largeur aux sièges arrière) (Width at rear seats)	1,435	mm
F (Volant - Pédale de frein) (Steering wheel - brake pedal)	685	mm
G (Volant - paroi de separation arrière) (Steering wheel - rear bulkhead)	1,575	mm
H = F+G =	2,260	mm







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 (V24)  
車両: 製造者 型式とモデル

Homologation valid as from 01 JUL. 1991 in group T  
有効年月日 グループ

334. Turbocharging a) Make and type of the turbocharger MITSUBISHI(H.I.)TD04  
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

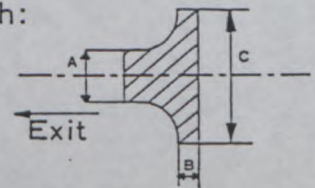
b2) Material Cast - iron  
材質

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



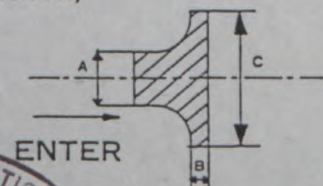
d) Impeller housing: d1) Number of air entries (gas) 1  
インペラーハウジング 空気取入口穴数

d2) Material Aluminum alloy  
材質

e) Impeller wheel: e2) Number of blades 6 + 6 e3) Height(s) of blade 0~12.5  $\begin{matrix} +0.15 \\ -0.10 \end{matrix}$  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 = φ38.0 mm ±0.1  
B = 4.8 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

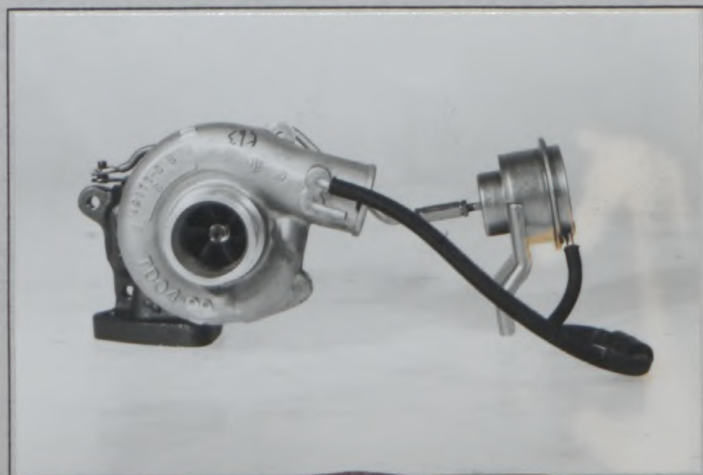
- h) Cooling of intake air : Yes
- h1) Intercooler : Yes  
Position of the assembly : In the engine compartment  
Inlet diameter : 43±1.5mm  
Outlet diameter : 43±1.5mm
- h2) Exchanger : No  
Position of the assembly : XXXX
- h3) Cooling of the turbo by the water : No
- h4) Water injection : No

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





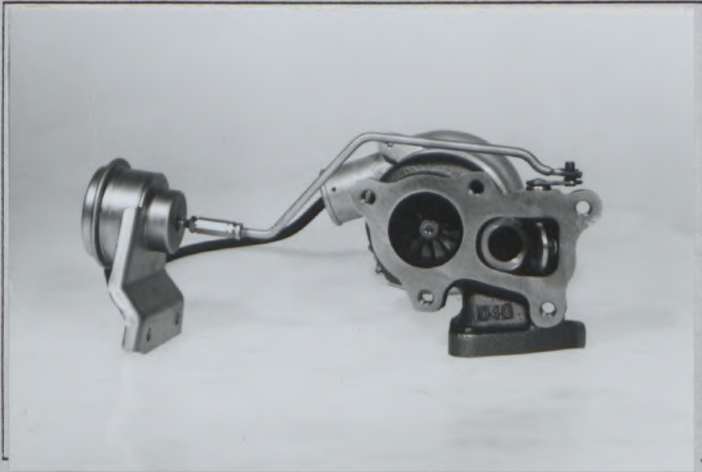
M) Side view of turbocharger  
ターボチャージャーの側面



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

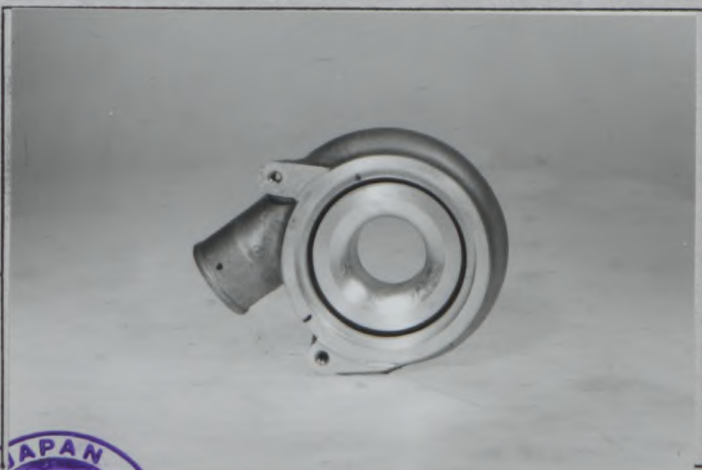


P) Eventual exhaust pipes between the exhaust manifold and the turbocharger.  
ニキゾーストマニホールドとターボチャージャーの間の排気管  
The turbocharger is directly fitted on the exhaust manifold

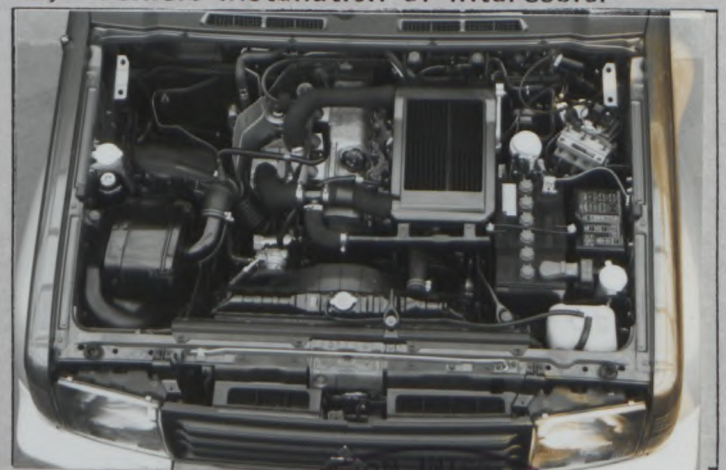
h1) Intercooler



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

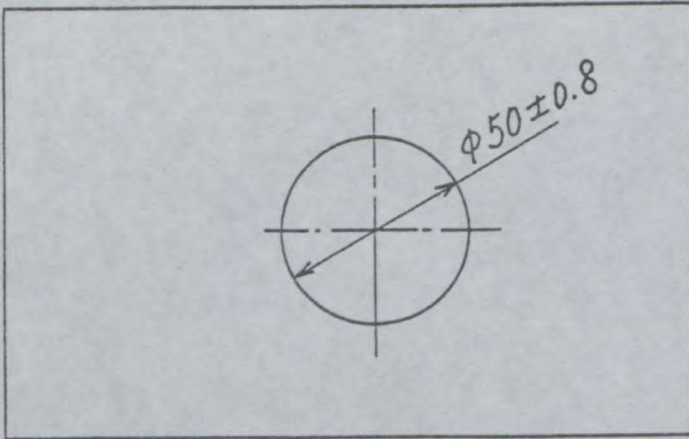




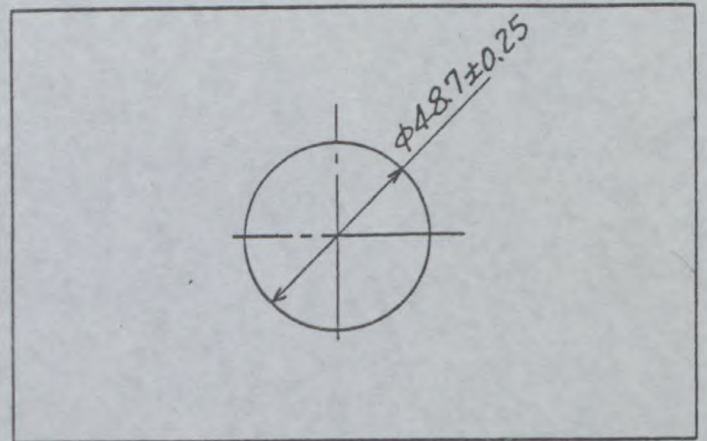
DRAWINGS

図面

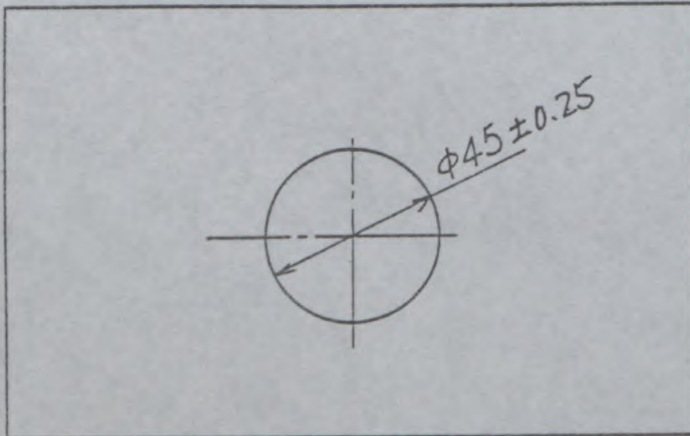
V) Exhaust gas entry in the turbine housing of turbocharger. タービンハウジングの排気ガス入口



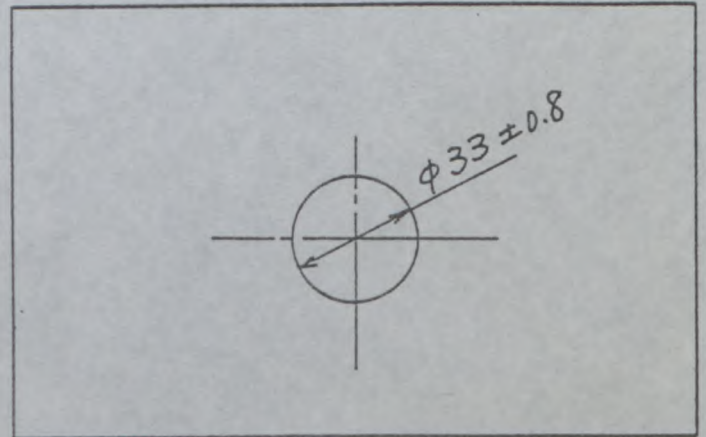
VI) Exhaust gas exit of the turbine housing of turbocharger. タービンハウジングの排気ガス出口



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

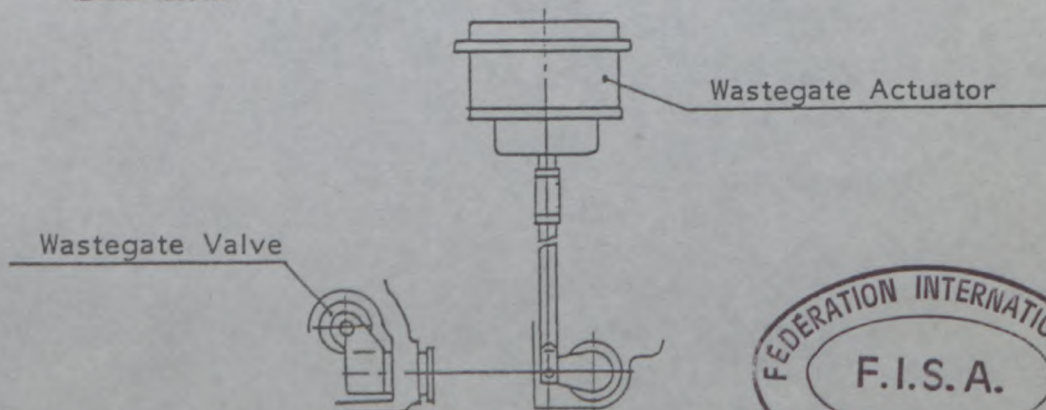


VIII) Air (gas) exit of the impeller housing of the turbocharger. インペラーハウジングの空気出口



IX) Device regulating the turbocharging pressure.

過給圧調整装置





Make MITSUBISHI Model PAJERO (V24) No Homol. \_\_\_\_\_

**T-1046**

No Ext. \_\_\_\_\_

JAF公認番号 \_\_\_\_\_

Page or ext. ページまたは補足	Art. 項目	Description 記述
	334	
	f3)	Standard pressure : 0.92 Bar
	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

Homologation No

T - 1046

Extension No

01 / 01 VO

FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

F I S A 公認追加書式

J A F 公認番号

FT-039 VO- 1/1

J A F 発行年月日

1991年 10月31日

VO Option variant / オプション変型

Homologation valid as from

01 JAN. 1992

F I S A 発行年月日

in group

F I S A 公認グループ

T

Manufacturer of the car

車両製造者 MITSUBISHI MOTORS CORP.

Model and type

形式とモデル PAJERO TURBO (V24)

~~ROLLBAR~~ / ROLLCAGE

~~ロールバー~~ / ロールケージ

Main rollbar

主ロールバー

Longitudinal / diagonal strut

前後 / 斜ストラット

Front rollbar

前ロールバー

Rollbar manufacturer

ロールバー製造者

RALLIART INC.

Material

材質

Steel

STKM13A - SH

Steel

STKM13A-SH / STKM13A-SH

Steel

STKM13A-SH

Steel

STKM13A-SH

Exterior diameter

外径

40 mm

40 mm / 40 mm

40 mm

Wall thickness

肉厚

2.0 mm

2.0 mm / 2.0 mm

2.0 mm

Elastic limit

弾性限度

22 kg/mm<sup>2</sup>

22 kg/mm<sup>2</sup> / 22 kg/mm<sup>2</sup>

22 kg/mm<sup>2</sup>

Tensile strength

引張強度

38 kg/mm<sup>2</sup>

38 kg/mm<sup>2</sup> / 38 kg/mm<sup>2</sup>

38 kg/mm<sup>2</sup>

Total weight including fixings

取付金具を含む総重量

46 kg

Complete ~~rollbar~~ / rollcage outside the car

完成した~~ロールバー~~ / 車から外したロールケージ



We certify that the present ~~rollbar~~ / rollcage complies with the conditions of the FIA Appendix J, in particular with regard to its attachments, its connections and its stress resistances.

上記~~ロールバー~~ / ロールケージは、特に取付け部分、継ぎ手、強度に関し、F I A 国際スポーツ法典付則 J 項の条件に準拠していることを証明いたします。

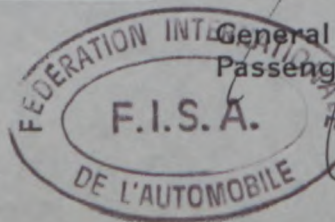
Signature of the car manufacturer representative.

車両製造代表者の署名

YUKIMICHI KITANE

General Manager

Passenger-car Product Planning Dept.





Make  
会社名

MITSUBISHI

Model  
型式

PAJERO (V24)

Homologation No

T - 1046

01 / 01 V0

PHOTOS OR DRAWINGS OF THE ATTACHMENTS ON THE BODY:

Ext.No. \_\_\_\_\_

車体取付部の写真または図解

Front hoop to roof



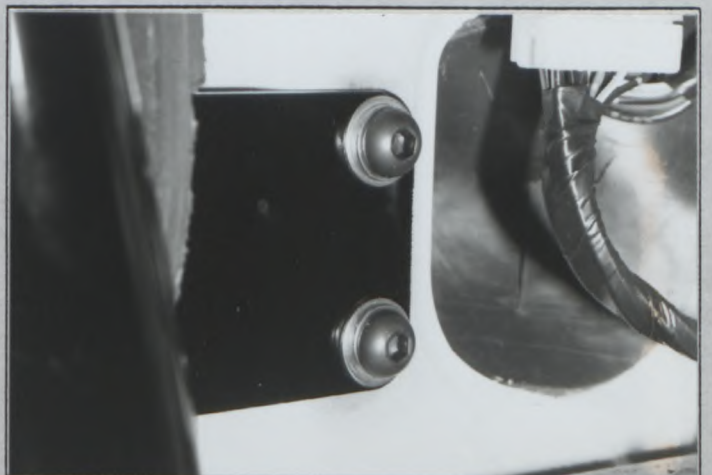
Front hoop to roof



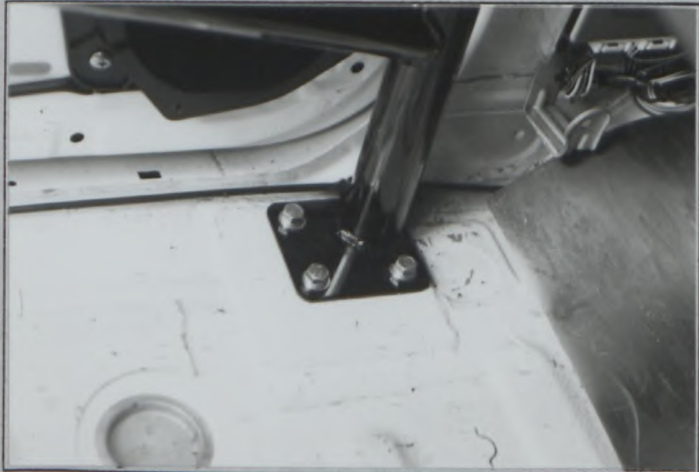
Front hoop to pillar



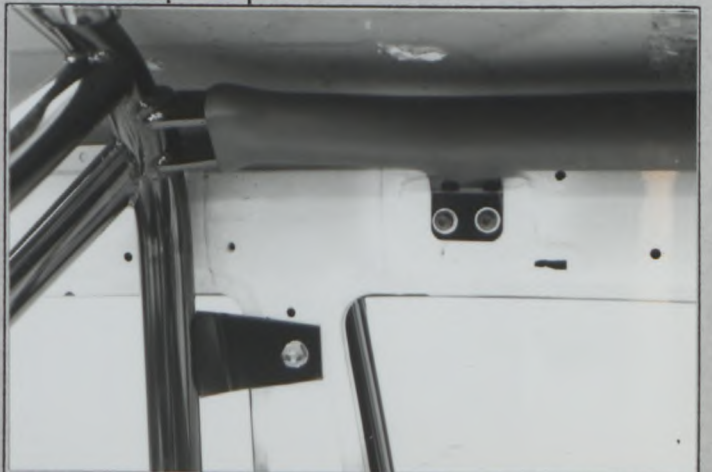
Front hoop to pillar



Front hoop to floor



Main hoop to pillar



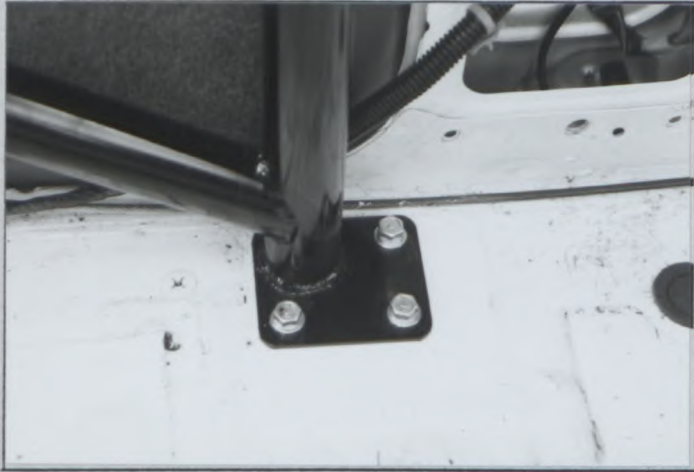


PHOTOS OR DRAWINGS OF THE ATTACHMENTS ON THE BODY:

Ext.No. **01 / 01 V0**

車体取付部の写真または図解

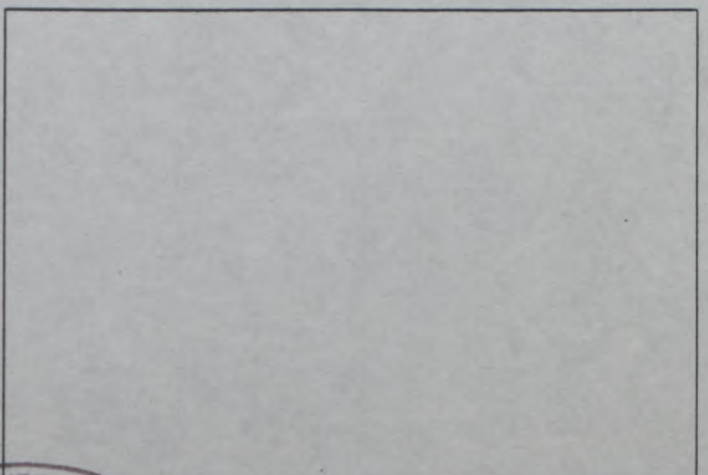
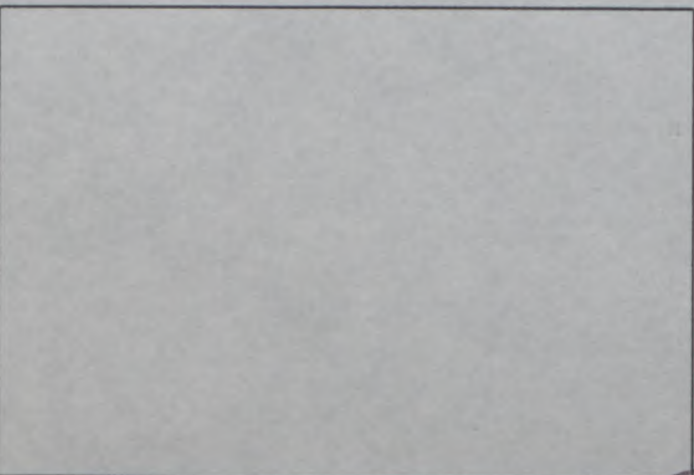
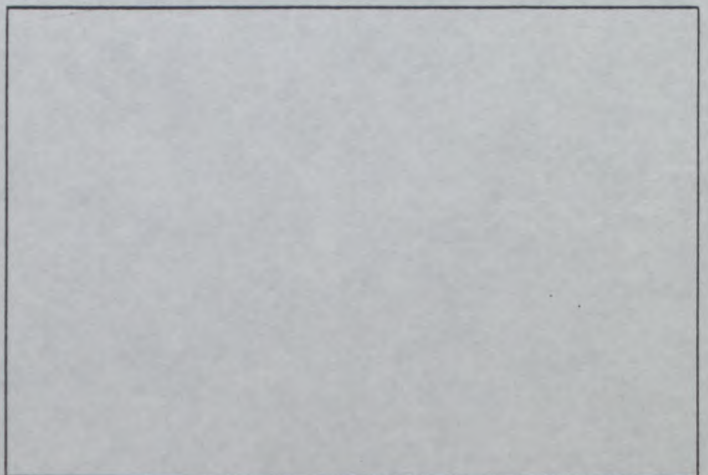
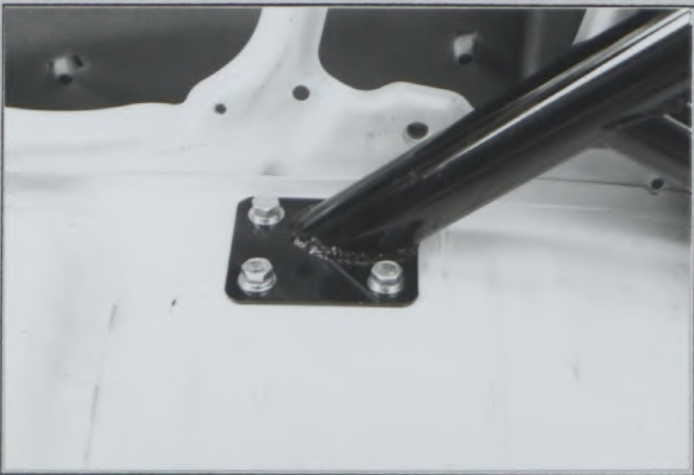
Main hoop to floor



Rear support to floor



Rear support to floor









Marque  
Make MITSUBISHI MOTORS CORP.

Modèle  
Model PAJERO TURBO (V24)

Homologation No.

T-1046

Extension No.

02/01ER

JAF公認番号 FT-039ER-2/1

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	4.2	+30	4.1	-30	4.2	+30	4.2
-45	2.5	+45	2.4	-45	2.6	+45	2.5
-60	0.3	+60	0.2	-60	0.5	+60	0.4
-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 ±0.2mm 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 :  
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FEDERATION INTERNATIONALE  
DE L' AUTOMOBILE

Homologation No.

T-1046

Extension No.

03/02VO



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

Groupe ~~A/B/N/T1/Supertourisme~~  
Group ~~A/B/N/T1/Supertouring~~  
グループ

JAF公認番号 FT-039 VO- 3/2

JAF発効年月日 1996年 3月 31日

FICHE D' EXTENSION D' HOMOLOGATION  
FORM OF HOMOLOGATION EXTENSION  
追加公認書式

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

Véhicule: Constructeur  
Vehicle: Manufactureur  
車両: 製造会社名

MITSUBISHI MOTORS CORP.

Modèle et type  
Model and type  
モデルと型式

PAJERO TURBO (V24)

Homologation valable à partir du  
Homologation valid as from  
F I A公認発効年月日

01 JUL. 1996

Page ou ext. Page or ext. ページまたは補足	Article Article 項目	Description Description 記述																																								
14	605	FINAL DRIVE <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="2">Avant / Front / 前</th> <th colspan="2">Arrière / Rear / 後</th> </tr> </thead> <tbody> <tr> <td colspan="2">Hypoid &amp; Bevel Gear</td> <td colspan="2">Hypoid &amp; Bevel Gear</td> </tr> <tr> <td>4.636</td> <td>4.900</td> <td>4.636</td> <td>4.900</td> </tr> <tr> <td>51/11</td> <td>49/10</td> <td>51/11</td> <td>49/10</td> </tr> <tr> <td colspan="2">XXXXX</td> <td colspan="2">Mechanical</td> </tr> <tr> <td colspan="2">By Splashing</td> <td colspan="2">By Splashing</td> </tr> <tr> <td>oui</td> <td>non</td> <td>oui</td> <td>non</td> </tr> <tr> <td>yes</td> <td>no</td> <td>yes</td> <td>no</td> </tr> <tr> <td>有</td> <td>無</td> <td>有</td> <td>無</td> </tr> <tr> <td colspan="2">XXXXX</td> <td colspan="2">XXXXX</td> </tr> </tbody> </table>	Avant / Front / 前		Arrière / Rear / 後		Hypoid & Bevel Gear		Hypoid & Bevel Gear		4.636	4.900	4.636	4.900	51/11	49/10	51/11	49/10	XXXXX		Mechanical		By Splashing		By Splashing		oui	non	oui	non	yes	no	yes	no	有	無	有	無	XXXXX		XXXXX	
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FEDERATION INTERNATIONALE  
DE L'AUTOMOBILE

Homologation N°

T- 1046

Groupe

T1

Group

Extension N°

04 / 02 ER

FICHE D'EXTENSION D'HOMOLOGATION  
FORM OF HOMOLOGATION EXTENSION

ES Evolution sportive du type / Sporting evolution of the type

VO Variante option / Option variant

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VF Variante de fourniture / Supply variant

Véhicule : Constructeur

Vehicle : Manufacturer **MITSUBISHI MOTORS CORP.**

Modèle et type

Model and type **PAJERO TURBO (V24)**

Homologation valable à partir du  
Homologation valid as from

**01 JAN. 2001**

Page or ext.	Article	Description
1	103	<u>Cylindrée :</u> 2476,8 cm3 <u>Cylindrée corrigée :</u> 2476,8 x 1.5 = 3715,2 cm3 <u>Cylinder Capacity :</u> <u>Corrected Cylinder Capacity :</u>
3	307 b)	<u>Totale max. autorisée :</u> 2476,8 x 1.5 = 3715,2 cm3 <u>Max total allowed :</u>

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