



FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

T-1047

FT-040

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 WAGON TURBO (V44)**
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 **5**
Number of places



Marque MITSUBISHI Modèle PAJERO (V44) N° Homol. _____
 Make _____ Model _____

2. DIMENSIONS, POIDS / DIMENSIONS, WEIGHT

201. Poids minimum
 Minimum weight 1920 kg
202. Longueur hors-tout
 Overall length 4725 mm ± 1%
203. Largeur hors-tout
 Overall width 1785 mm ± 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 1770 mm ± 1%
 b) A la hauteur de l'axe AR / At rear axle 1785 mm ± 1%
206. Empattement: a) Droit / Wheelbase: Right 2725 mm ± 1%
 b) Gauche: / Left: 2725 mm ± 1%
207. Voie maximum / Maximum track
 AV / Front 1465 mm
 AR / Rear 1480 mm
209. Porte-à-faux: a) AV: / Overhang: Front: 720 mm ± 1%
 b) AR: / Rear: 1280 mm ± 1%
210. Distance «G» (volant — paroi de séparation AR)
 Distance «G» (steering wheel — rear bulkhead) 1595 mm ± 1%

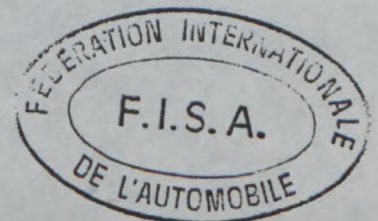
3. MOTEUR / ENGINE: (En cas de moteur rotatif, voir Article 335 sur fiche complémentaire).
 (In case of rotative engine, see Article 335 on complementary form).

Inclination (F/R) : 5°50'

301. Emplacement et position du moteur: Front Longitudinal Vertical angle : 0°
 Location and position of the engine: _____

302. Nombre de supports / Number of supports 2

303. Cycle / Cycle Diesel (4)



Marque MITSUBISHI Modèle PAJERO (V44) N° Homol. T-1047
 Make MITSUBISHI Model PAJERO (V44)

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

(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 4 In - Line

306. Mode de refroidissement Liquid
 Cooling system Liquid

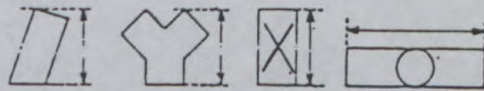
307. Cylindrée: a) Unitaire (619.2 x 1.7) b) Totale
 Cylinder capacity: a) Unitary 1052.6 cm³ b) Total (2476.8 x 1.7) 4210.6 cm³

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

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

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

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



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

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

314. Alésage 91.1 mm
 Bore 91.1 mm

316. Course 95.0 mm
 Stroke 95.0 mm

317. Piston a) Matériau Al - Alloy
 Piston Material Al - Alloy
 b) Nombre de segments 3 c) Poids minimum 630 g
 Number of rings 3 Minimum weight 630 g
 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 48.7 ± 0.1 mm
 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 0.7 ± 0.15 mm
 f) Volume de l'évidement du piston 11.0 ± 0.5 cm³
 Piston groove volume 11.0 ± 0.5 cm³



Marque Make MITSUBISHI Modèle Model PAJERO (V44) N° Homol. T-1047

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):
Interior diameter of the big end (without bearings): 56.0 mm $\pm 0.1\%$
d) Longueur entre axes: 158 mm (± 0.1 mm) e) Poids minimum: 1,025 g
Length between the axes: 158 mm (± 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. Volant 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 (V44) N° Homol. T-1047
 Make MITSUBISHI Model PAJERO (V44)

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

324. Alimentation par injection:

Fuel feed by injection:

a) Marque: ZEXEL
 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

Piston pump

oui/non

yes/~~no~~

c2) Mesure du volume d'air

Measurement of air volume

oui/non

~~yes~~/no

c3) Mesure de la masse d'air

Measurement of air mass

oui/non

~~yes~~/no

c4) Mesure de la vitesse de l'air

Measurement of air speed

oui/non

~~yes~~/no

c5) Mesure de la pression d'air

Measurement of air pressure

oui/non

~~yes~~/no

Quelle est la pression de réglage?

Which pressure is taken for measurement? XXXX bars

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

Effective dimensions of measure position in the throttle area X X X X mm

e) Nombre des sorties effectives de carburant

Number of effective fuel outlets 4

f) Position des soupapes d'injection:

Position of injection valves:

Canal d'admission

Inlet manifold

Culasse

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
 Camshaft: Number

b) Emplacement

Location TOP(OHC)

c) Système d'entraînement Notched belt
 Driving system

d) Nombre de paliers par arbre

Number of bearings for each shaft 5

e) Diamètre des paliers

Diameter of bearings 30.0 mm

f) Système de commande des soupapes

Type of valve operation Rocker



327. Admission: a) Matériau du collecteur Aluminum Alloy
 Inlet: Material of the manifold _____
 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_{-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 _____
 Number of springs per valve 1

328. Echappement: a) Matériau du collecteur Cast - iron
 Exhaust: Material of the manifold _____
 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) _____
 e) Diamètre maximum des soupapes 34.1 mm d) Nombre de soupapes par cylindre 1
 Maximum diameter of the valves _____ Number of valves per cylinder _____
 f) Diamètre de la tige de soupape 8⁺⁰_{-0.2} mm g) Longueur de la soupape 136.5 ± 1.5 mm
 Diameter of the valve stem _____ Length of the valve _____
 h) Type des ressorts de soupape Helical
 Type of valve springs _____
 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 X X X X
 Description _____

330. Système d'allumage: a) Type X X X X
 Ignition system: Type _____
 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 1 b) Diamètre de l'hélice 430 mm
 Cooling fan Number _____ Diameter of the screw _____
 c) Matériau de l'hélice Plastics d) Nombre de pales 8
 Material of the screw _____ Number of blades _____
 e) Type de connection Thrmo type f) Ventilateur débrayable oui/non
 Type of connection _____ Automatic cut in yes/no



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 yes Number 1

e) Emplacement du/des radiateurs 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 yes b) Système de commande X X X X
 Retractable headlights: yes/no Drive system X X X X

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» X X X X
 «Manual» make MITSUBISHI «Automatic» make X X X X

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



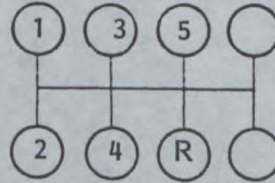
603. Boîte de vitesse

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

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 & Bevel gear</u>	<u>Hypoid & Bevel gear</u>
<u>5.285</u>	<u>5.285</u>
<u>37/7</u>	<u>37/7</u>
<u>X X X X</u>	<u>Limited Slip</u>



Marque Modéle N° Homol.
 Make MITSUBISHI Model PAJERO (V44)

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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 hélicoïdaux: 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 A = Lame maitresse / X = lame auxiliaire A = major leaf / X = auxiliary leaf
 Leaf springs 2 = 2è lame / 3 = 3è lame / 4 = 4è lame / 5 = 5è lame 2 = 2nd leaf / 3 = 3rd leaf / 4 = 4th leaf / 5 = 5th leaf

a) Matériau
 Material

A	2	3
<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
c) Matériau Material	Steel	X X X X

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
a) Longueur efficace Effective length	1,421 mm	1,910 mm
b) Diamètre efficace Effective diameter	28 mm	26 mm
c) Matériau Material	Steel	Steel

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

	Avant / Front	Arrière / Rear
a)	1	1
o)	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
a)	15 ..	15 ..
	381 mm	381 mm
b)	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 _____
 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

	Avant / Front	Arrière / Rear
e) Nombre de cylindres par roue: Number of cylinders per wheel:	<u>2</u>	<u>1</u>
e1) Alésage Bore	<u>42.9</u> mm	<u>42.9</u> mm
f) Freins à tambours: Drum brakes:		
f1) Diamètre intérieur Interior diameter	<u>XXXX</u> mm (± 1.5 mm)	<u>XXXX</u> mm (± 1.5 mm)
f2) Nombre de mâchoires par roue. Number of shoes per wheel	<u>XXXX</u>	<u>XXXX</u>
f3) Surface de freinage Braking surface	<u>XXXX</u> cm ²	<u>XXXX</u> cm ²
f4) Largeur des garnitures Width of the shoes	<u>XXXX</u> mm	<u>XXXX</u> mm
g) Freins à disques: Disc brakes:		
g1) Nombres de sabots par roue Number of pads per wheel	<u>2</u>	<u>2</u>
g2) Nombre d'étriers par roue Number of calipers per wheel	<u>1</u>	<u>1</u>
g3) Matériau des étriers Caliper material	<u>Cast - iron</u>	<u>Cast - iron</u>
g4) Epaisseur maximale du disque Maximum disc thickness	<u>24 ± 1.0</u> mm	<u>18 ± 1.0</u> mm
g5) Diamètre extérieur du disque Exterior diameter of the disc	<u>276 ± 1.5</u> mm (± 1 mm)	<u>315 ± 1.5</u> mm (± 1 mm)
g6) Diamètre extérieur de frottement des sabots Exterior diameter of the shoe's rubbing surface	<u>274 ± 1.5</u> mm	<u>313 ± 1.5</u> mm
g7) Diamètre intérieur de frottement des sabots Interior diameter of the shoe's rubbing surface	<u>181 ± 1.5</u> mm	<u>235 ± 1.5</u> mm
g8) Longueur hors-tout des sabots Overall length of the shoes	<u>122.6 ± 1.5</u> mm	<u>87.2 ± 1.5</u> mm
g9) Disques ventilés Ventilated disc	<u>oui/non</u> <u>yes/no</u>	<u>oui/non</u> <u>yes/no</u>
g10) Surface de freinage par roue Braking surface per wheel	_____ cm	_____ cm

h) Frein de stationnement: Cable
 Parking brake: _____
 h2) Emplacement de la commande Between front seat
 Location of the lever _____
 n1) Systeme de commande Cable
 Command system _____
 h3) Effet sur roues AV Front Rear
 On which wheels _____



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 oui/non
 Power assisted yes/~~no~~

9. CARROSSERIE / BODYWORK

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

	AR / Rear	AV / Front
d) Sièges Seats		
d1) Type Type	<u>Bench</u>	<u>Separate</u>
d2) Appuie-tête Headrest	<u>oui/non yes/no</u>	<u>oui/non yes/no</u>
d3) Poids Weight	<u>31.5</u> kg	<u>13.7</u> kg

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

902. Extérieur: a) Nombre de portes 4
 Exterior: Number of doors
 b) Hayon AR oui/non
 Rear tailgate yes/~~no~~ Steel
 AV/Front: Steel
 AR/Rear: Steel

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 Safety glass
Front side window material
- l) Matériau du pare-choc avant Steel / Plastics (Polypropylene)
Material of the front bumper
- m) Matériau du pare-choc arrière Steel / Plastics (Polypropylene)
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 : 4,625 : 4,875
c) Teeth number : 37/8 : 39/8



Make
会社名 MITSUBISHI

Model
型式 PAJERO (V44)

No Homol. T-1047

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		1890 kg	1895 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 (V44) No Homol. T-1047

PHOTOS / 写真

No Ext. _____

JAF公認番号 _____

A1



B1



A2



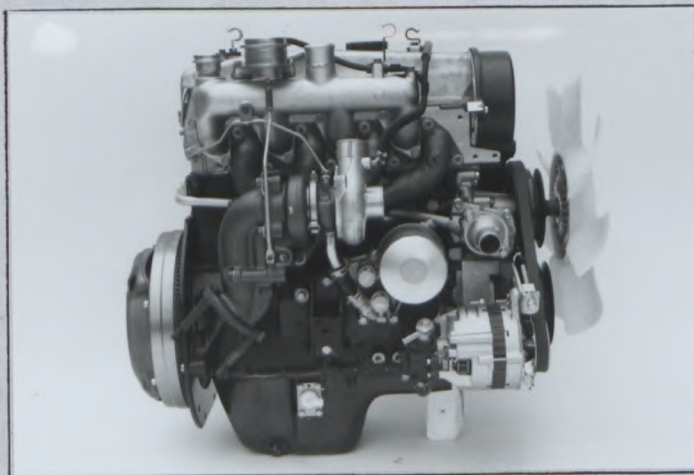
B2



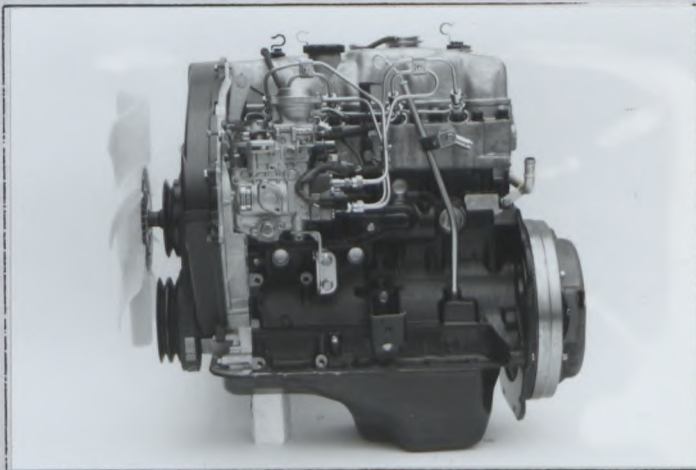
PHOTOS / PHOTOS

Moteur / Engine

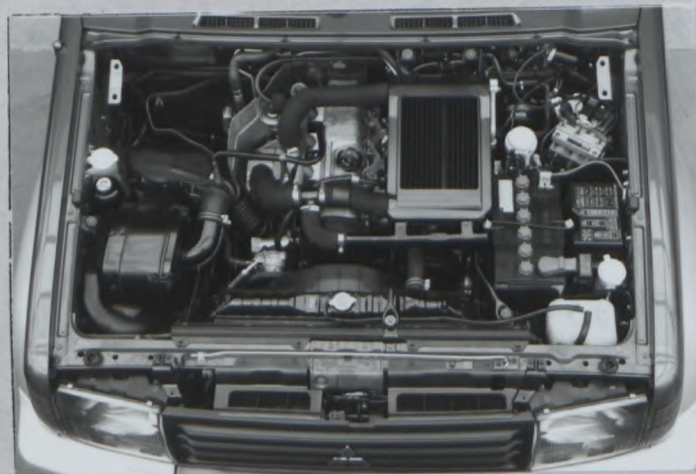
C) Profil droit du moteur déposé
Right hand view of dismantled engine



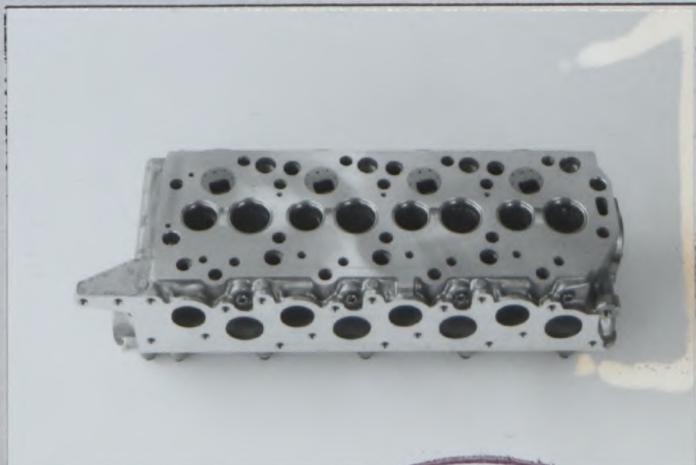
D) Profil gauche du moteur déposé
Left hand view of dismantled engine



E) Moteur dans son compartiment
Engine in its compartment



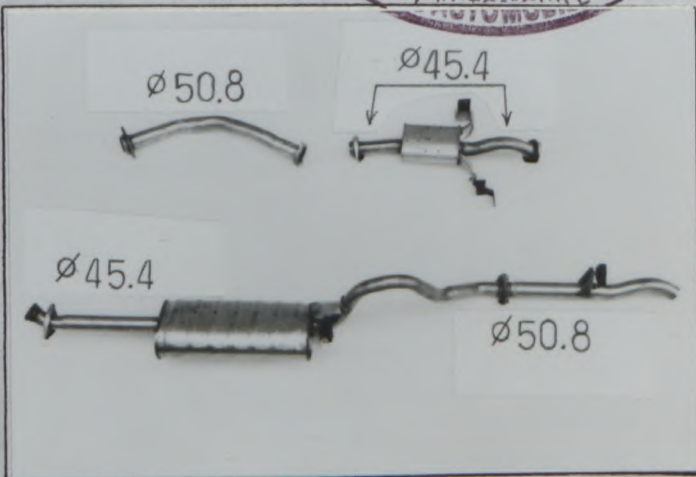
F) Culasse nue
Bare cylinderhead



AA) Piston de profil
Piston profile



BB) Echappement complet
Complete exhaust system

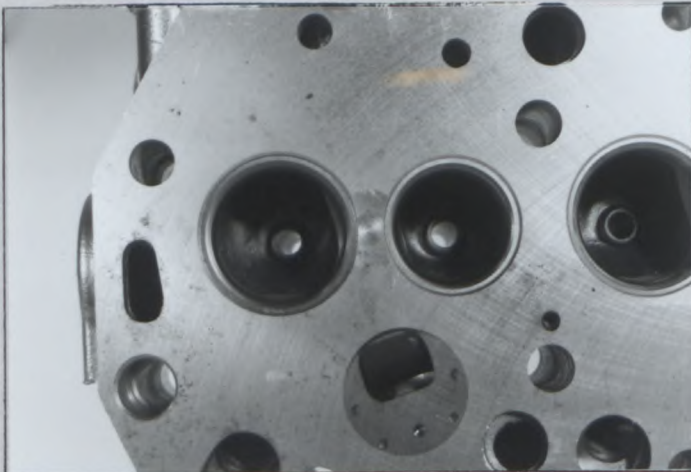


Marque MITSUBISHI
Make

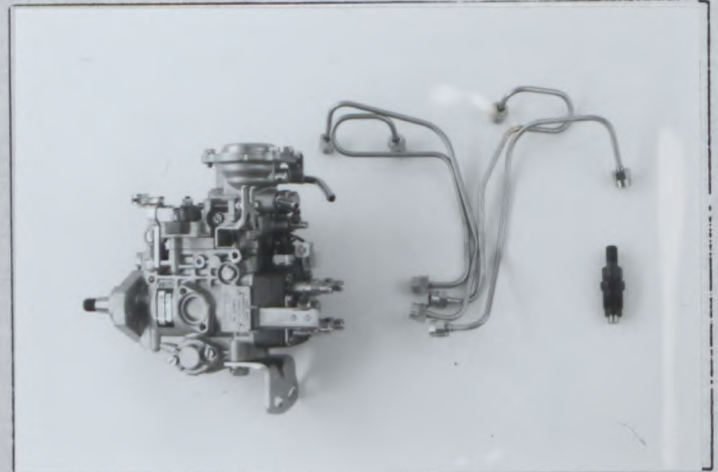
Modèle PAJERO (V44)
Model

N° Homol. T-1047

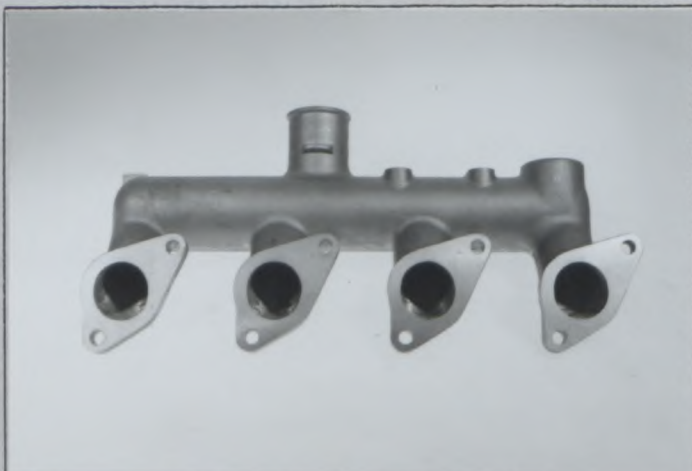
G) Chambre de combustion
Combustion chamber



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



I) Collecteur d'admission
Inlet manifold



J) Collecteur d'échappement
Exhaust manifold

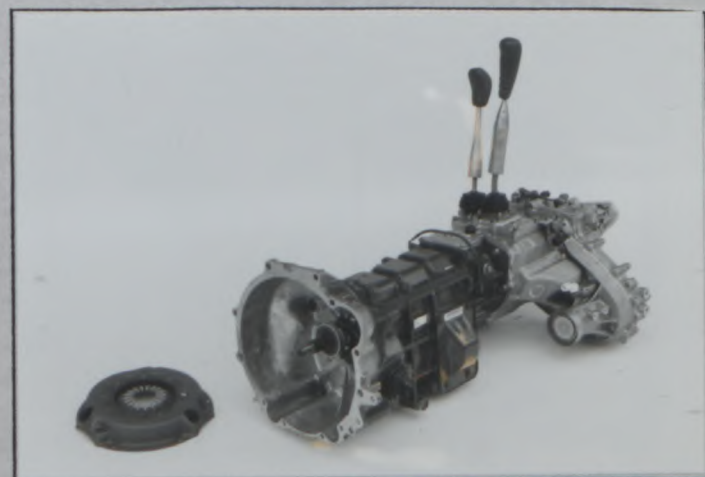


Transmission / Transmission

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 (V44)

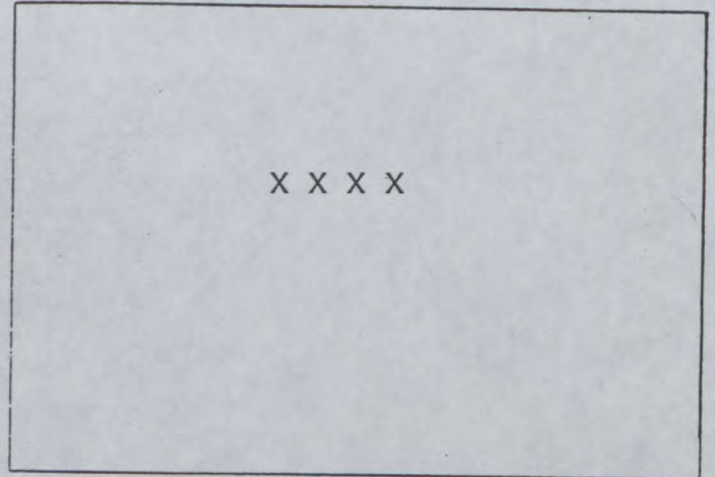
N° Homol.

T-1047

Carrosserie / Bodywork

X) Tableau de bord
Dashboard

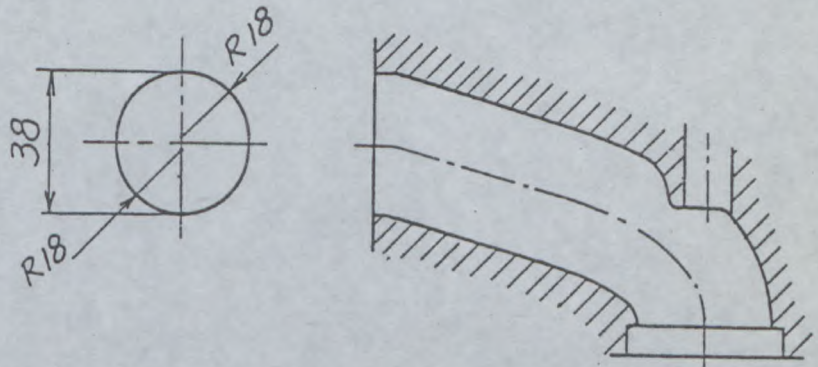
Y) Toit ouvrant
Sunroof



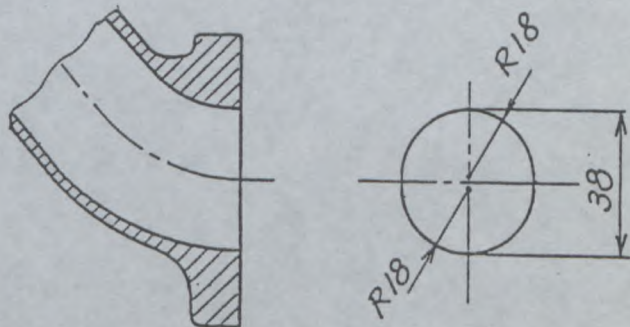
DESSINS / DRAWINGS

Moteur / Engine

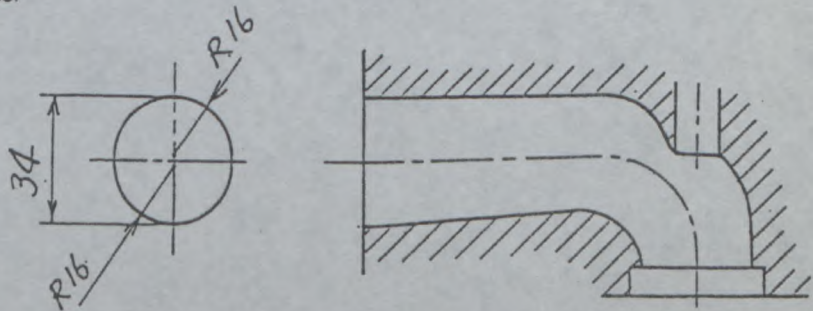
- I Orifices d'admission de la culasse, face collecteur (tolérances sur dimensions: -2%, +4%)
 Cylinderhead inlet ports, manifold side (tolerances on dimensions: -2%, +4%)



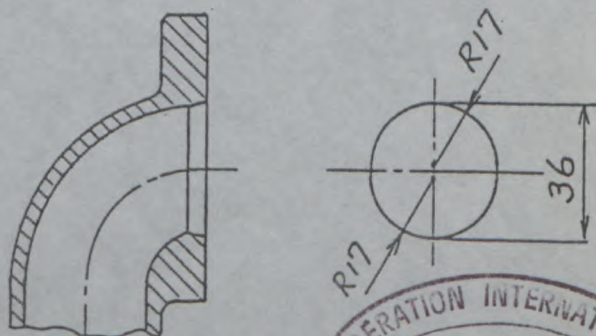
- II Orifices du collecteur d'admission, côté culasse (tolérances sur dimensions: -2%, +4%)
 Inlet manifold ports, cylinderhead side (tolerances on dimensions: -2%, +4%)



- 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 (V44)

N° Homol. T-1047

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



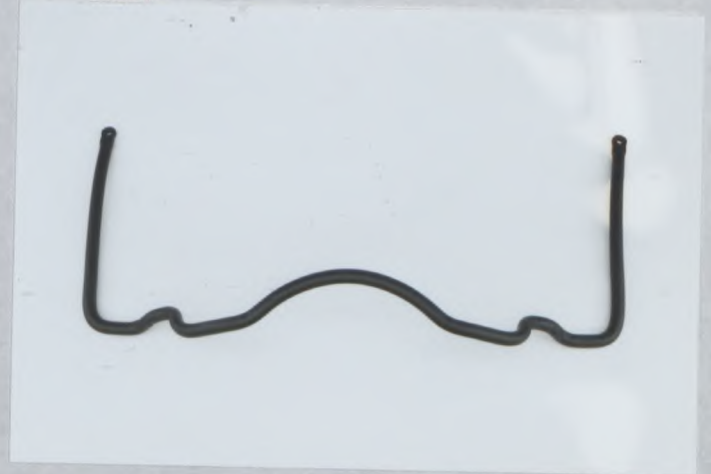
Suspension / Suspension

XVI Stabilisateur Selon article 706
Stabilizer According to article 706

Front



Rear





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

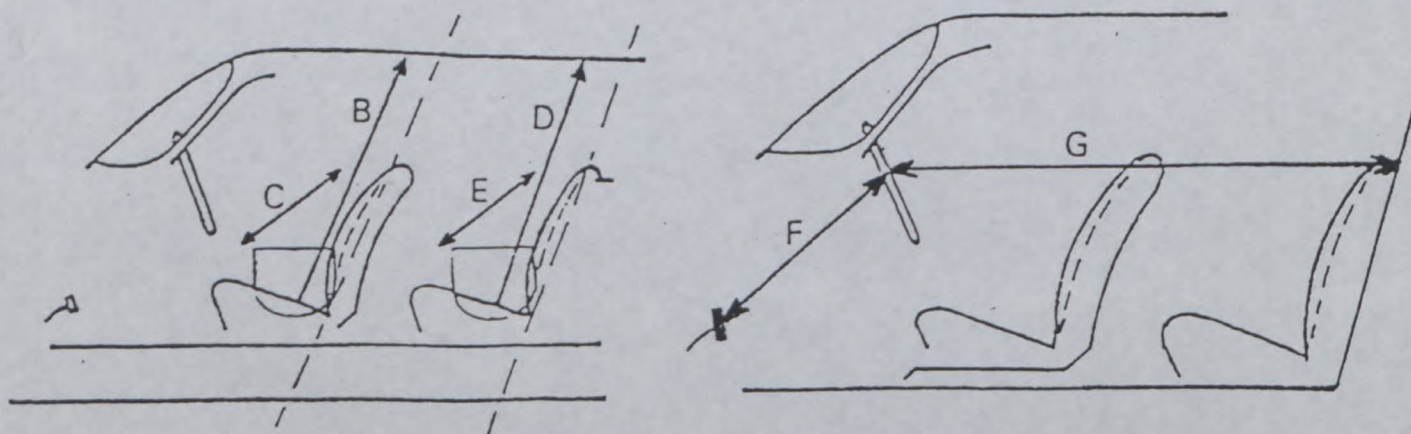
Homologation N°

T-1047

Groupe Tout-Terrain
Group

Marque MITSUBISHI MOTORS CORP. Modèle PAJERO (V44)
Make Model

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



B (Hauteur sur sièges avant) (Height above front seats)	<u>1,005</u>	mm
C (Largeur aux sièges avant) (Width at front seats)	<u>1,410</u>	mm
D (Hauteur sur sièges arrière) (Height above rear seats)	<u>970</u>	mm
E (Largeur aux sièges arrière) (Width at rear seats)	<u>1,435</u>	mm
F (Volant — Pédale de frein) (Steering wheel — brake pedal)	<u>685</u>	mm
G (Volant — paroi de separation arrière) (Steering wheel — rear bulkhead)	<u>1,595</u>	mm
H = F+G =	<u>2,280</u>	mm





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE FISA Homologation No

T-1047



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-040

JAF公認グループ

JAF発効年月日 1991年5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 (V44)
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

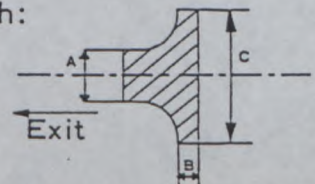
b2) Material Cast - iron
材質

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)

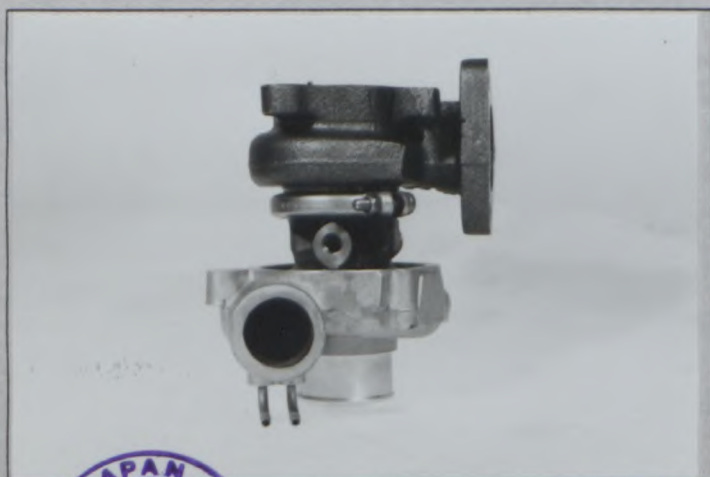
エキゾーストマニホールドとターボチャージャーの間の排気管の内部寸法(図)

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



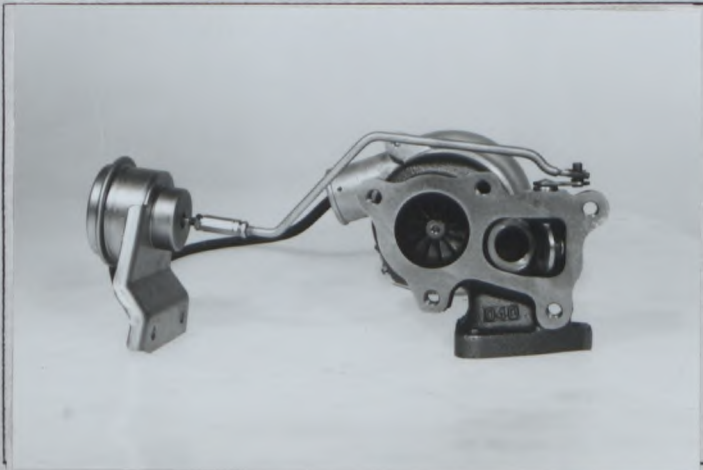
N) Turbine housing of turbocharger

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

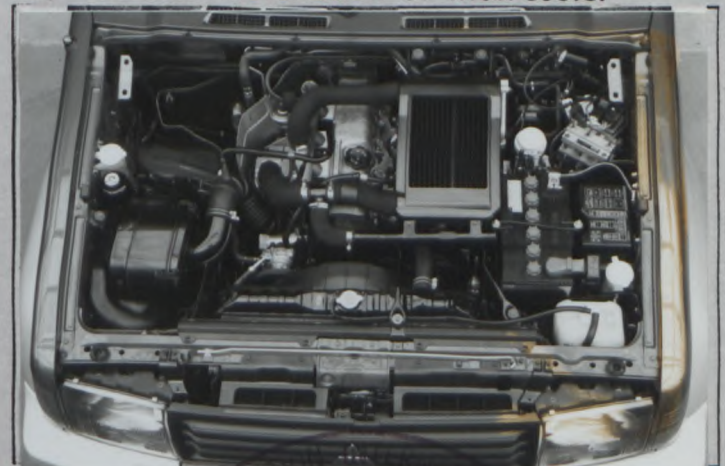


Q) Impeller housing of turbocharger

ターボチャージャーのインペラーハウジング



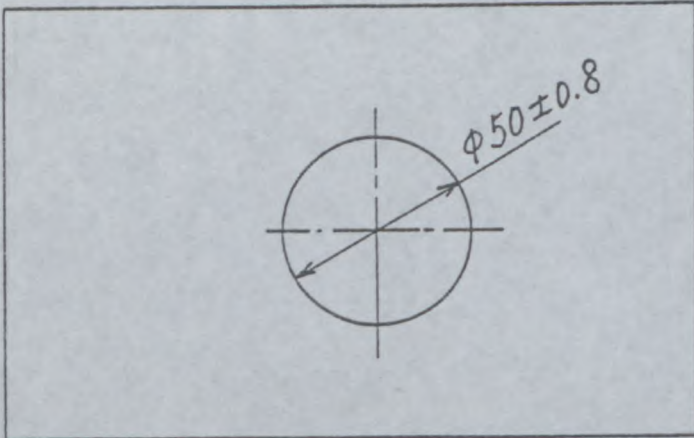
h2) Vehicle installation of intercooler



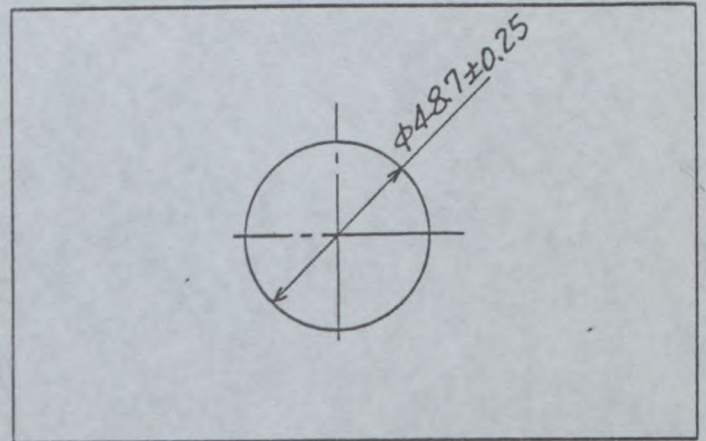
DRAWINGS

図面

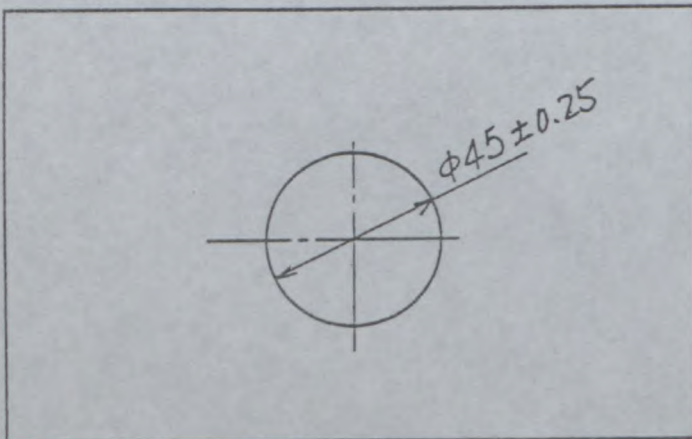
V) Exhaust gas entry in the turbine housing of turbocharger. タービンハウジングの排気ガス入口



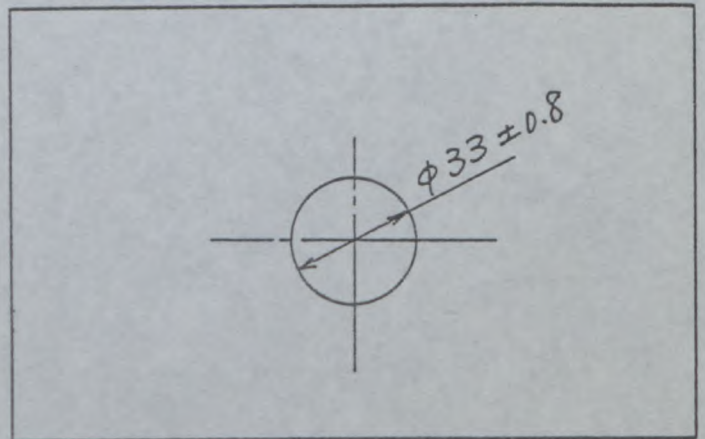
VI) Exhaust gas exit of the turbine housing of turbocharger. タービンハウジングの排気ガス出口



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

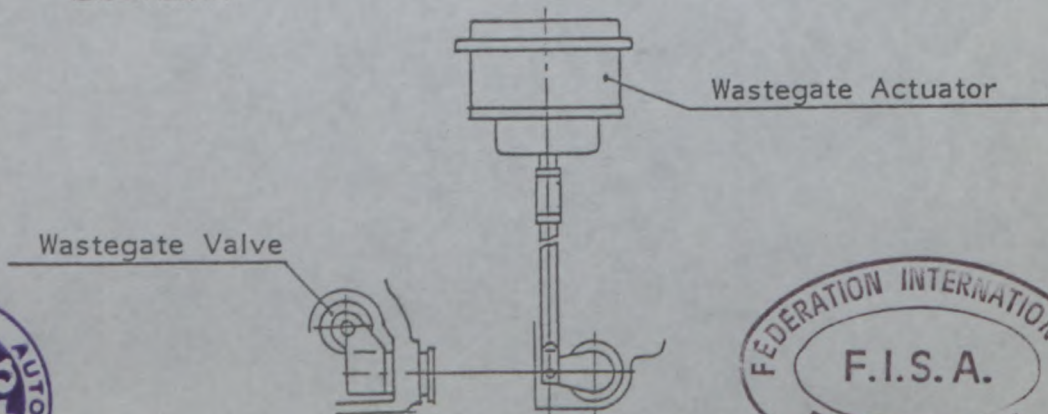


VIII) Air(gas) exit of the impeller housing of the turbocharger. インペラーハウジングの空気出口



IX) Device regulating the turbocharging pressure.

過給圧調整装置



Make 会社名 MITSUBISHI Model 型式 PAJERO (V44) No Homol. T-1047

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

Homologation No

T - 1047



JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

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- 040 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

F I S A 発行年月日

01 JAN. 1992

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 WAGON TURBO (V44)

~~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 / Steel
STKM-13A

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/mm²

22 kg/mm² / 22 kg/mm²

22 kg/mm²

Tensile strength

引張強度

38 kg/mm²

38 kg/mm² / 38 kg/mm²

38 kg/mm²

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

YUKIMICHI KITANE

General Manager

Passenger-car Product Planning Dept.



PHOTOS OR DRAWINGS OF THE ATTACHMENTS ON THE BODY:

Ext.No. 01 / 01 VO

車体取付部の写真または図解

Front hoop to roof



Front hoop to roof



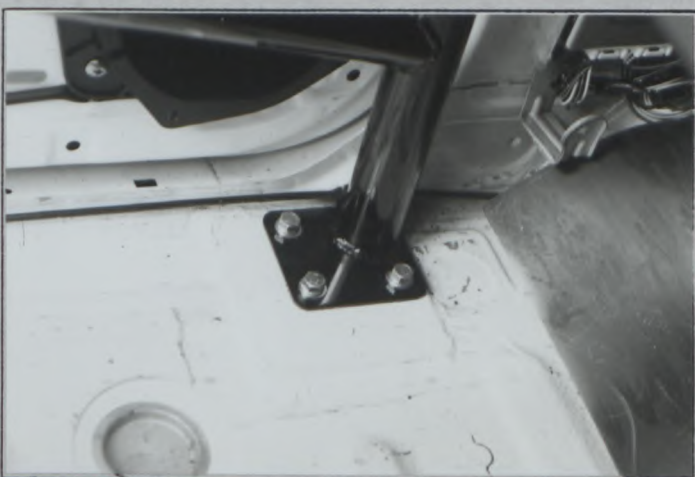
Front hoop to pillar



Front hoop to pillar



Front hoop to floor



Mian hoop to pillar



PHOTOS OR DRAWINGS OF THE ATTACHMENTS ON THE BODY:

車体取付部の写真または図解

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

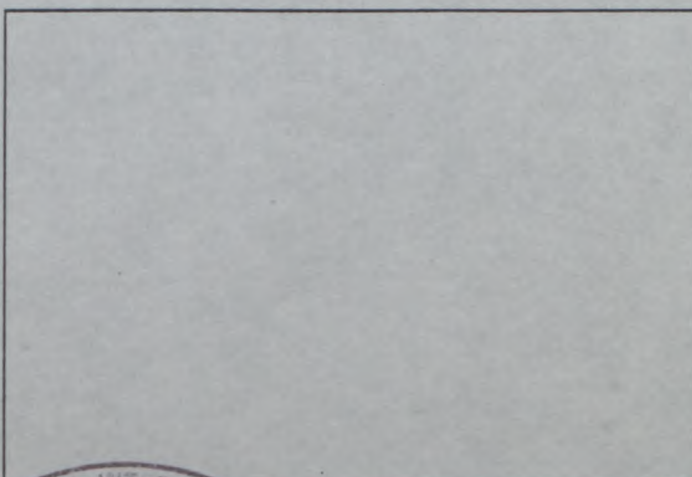
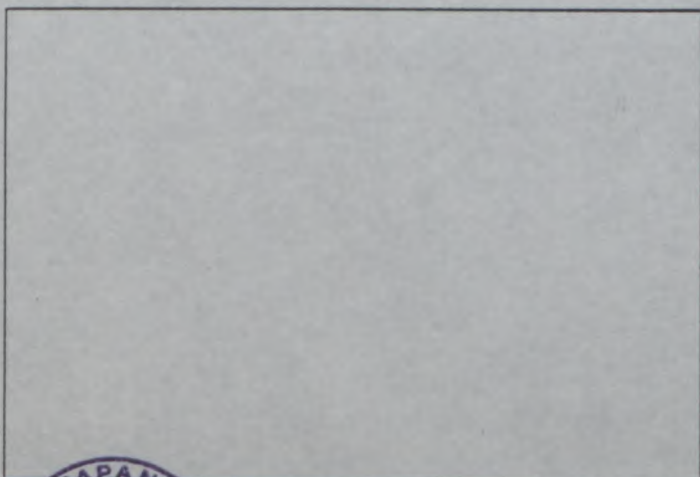
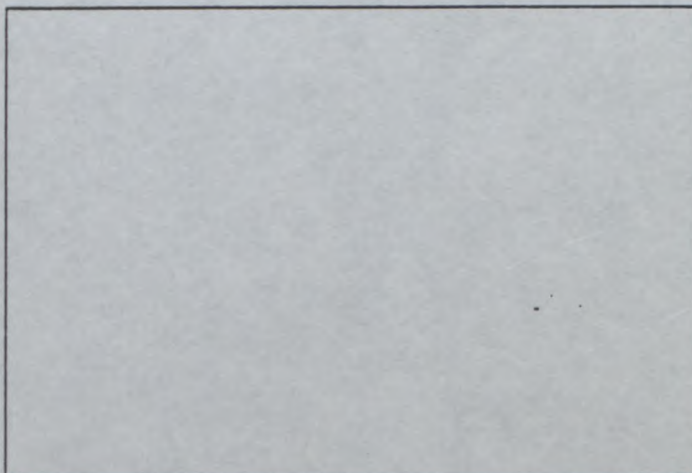
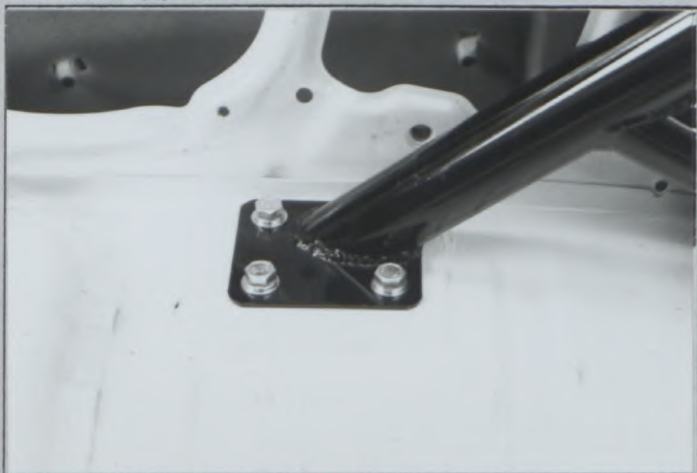
Main hoop to floor



Rear support to floor



Rear support to floor





FEDERATION INTERNATIONALE
DE L' AUTOMOBILE

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

Homologation No.

T-1047

Extension No.

02/01 ER

JAF公認番号 FT-040 ER- 2/1
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

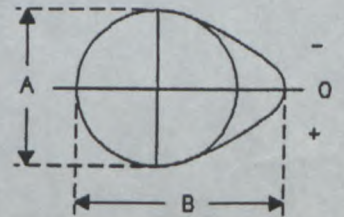
- ET Evolution normale de type/Normal evolution of the type VO Variante option/Option variant
- VF Variante de fourniture/Supply variant ER Erratum/Erratum

Véhicule: Constructeur MITSUBISHI MORTORS CORP. Modèle et type PAJERO WAGON TURBO (V44)
Vehicle: Manufactureur MITSUBISHI MORTORS CORP. Model and type PAJERO WAGON TURBO (V44)

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 WAGON TURBO (V44)

Homologation No.

T-1047

Extension No.

02/01ER

JAF公認番号 FT-040ER-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 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
DE L' AUTOMOBILE

Homologation No.

T-1047

Extension No.



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

03/02VO

Groupe
Group
グループ

~~A/B/N/T1/Supertourisme-~~
~~Supertouring~~

JAF公認番号 FT-040 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 WAGON TURBO (V44)

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																													
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FEDERATION INTERNATIONALE
DE L'AUTOMOBILE

Homologation N°

T- 1047

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

Véhicule : Constructeur

Vehicle : Manufacturer **MITSUBISHI MOTORS CORP.**

Modèle et type

Model and type **PAJERO WAGON TU (V44)**

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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