



FEDERATION INTERNATIONALE
DU SPORT AUTOMOBILE

FISA Homologation No.

C2-0020

EC2-004-93

1993年6月30日

FICHE D'HOMOLOGATION POUR MOTEUR DE VOITURE DE TOURISME (Classe II)
HOMOLOGATION FORM FOR TOURING CAR ENGINE (Class II)

Constructeur / Manufacturer: TOYOTA MOTOR CORPORATION
Modèle et type / Model and type: 3S-GE ENGINE

Homologation valable à partir du / Homologation valid as from: 01 OCT. 1993

MOTEUR(version standard)
ENGINE(standard version)

Cycle / Cycle: 4, OTTO

Nombre et disposition des cylindres / Number and layout of the cylinders: 4, IN-LINE

Mode de refroidissement / Cooling system: LIQUID

Cylindrée: / Cylinder capacity:	Unitaire / Unitary	<u>499.5</u>	cm ³	Totale / Total	<u>1998.0</u>	cm ³
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Matériau du bloc cylindres / Cylinder block material: CAST-IRON

Vilebrequin: / Crankshaft:

Matériau / Material: STEEL

Type de paliers / Type of bearings: PLAIN

Bielles: / Connecting rods:

Matériau / Material: STEEL

Arbres à cames: / Camshafts:

Nombre / Number: 2

Emplacement / Location: TOP (DOHC)



Marque / Make TOYOTA Modéle / Model 3S-GE ENGINE

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Culasse: / Cylinder head:

Nombre / Number 1

Système de commande des soupapes / Type of valve operation DIRECT

Angle entre axe de la soupape d'admission et axe de la soupape d'échappement / Angle between inlet valve axle and exhaust valve axle 50°

Admission: / Inlet: Nombre de soupapes par cylindre / Number of valves per cylinder 2

Echappement: / Exhaust: Nombre de soupapes par cylindre / Number of valves per cylinder 2

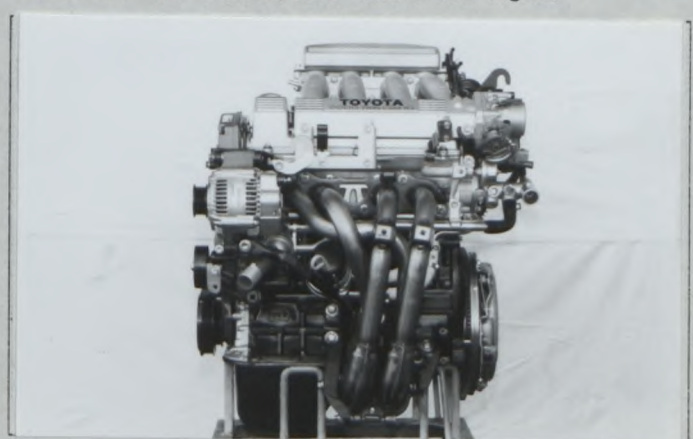
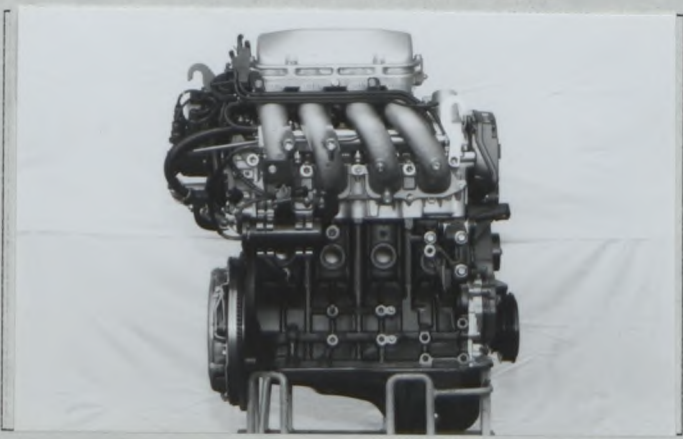
Système de refroidissement: / Cooling system: Mode de refroidissement / Cooling type



PHOTOS

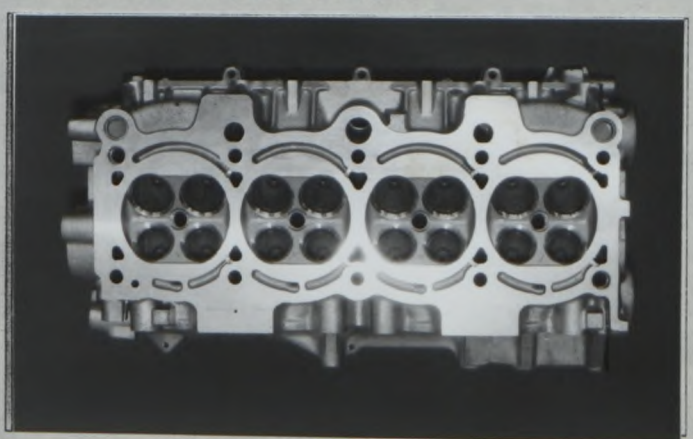
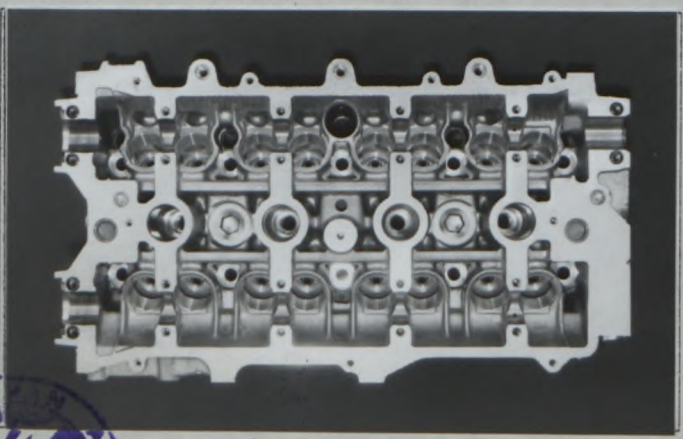
Profil droit du moteur complet déposé / Right hand view of complete dismantled engine

Profil gauche du moteur complet déposé / Left hand view of complete dismantled engine



Culasse nue vue de dessus / Bare cylinder head seen from above

Culasse nue vue de dessous / Bare cylinder head seen from below



Marque
Make

TOYOTA

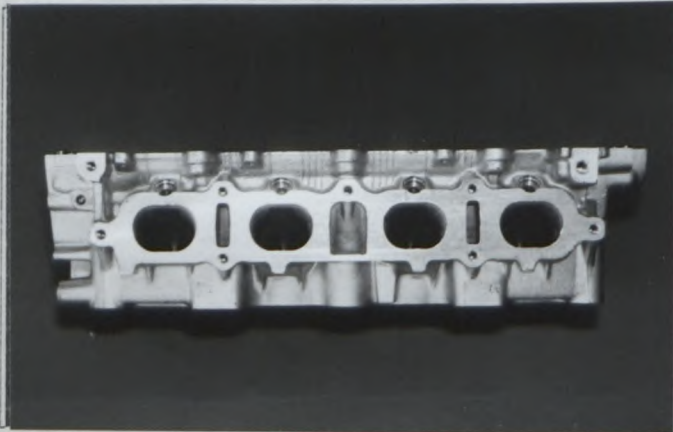
Modèle
Model

3S-GE ENGINE

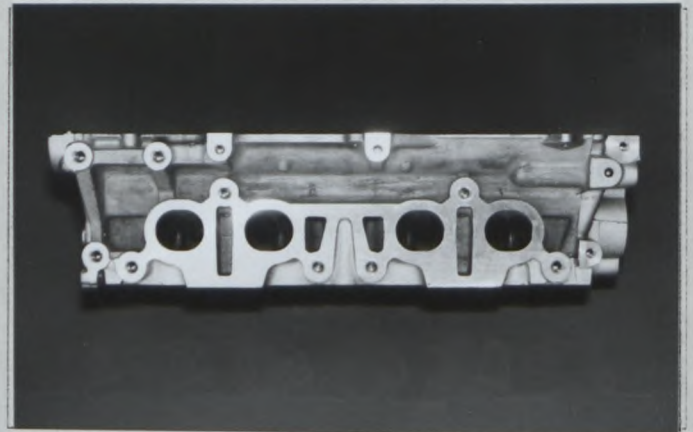
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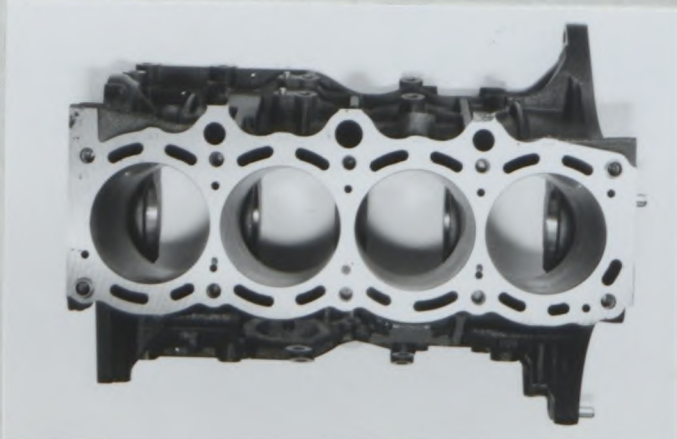
Profil droit de culasse nue
Right hand view of bare cylinder head



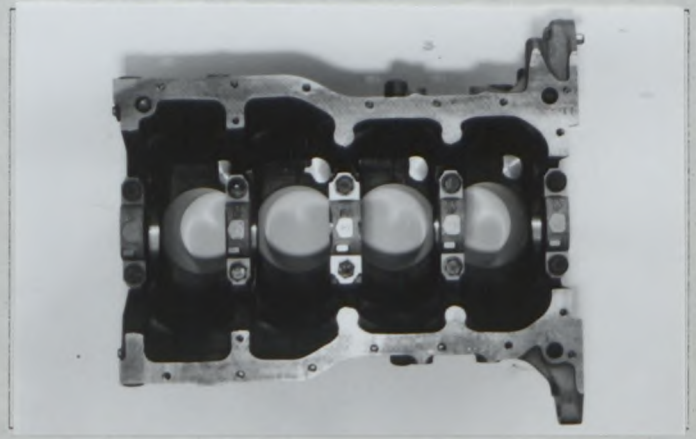
Profil gauche de culasse nue
Left hand view of bare cylinder head



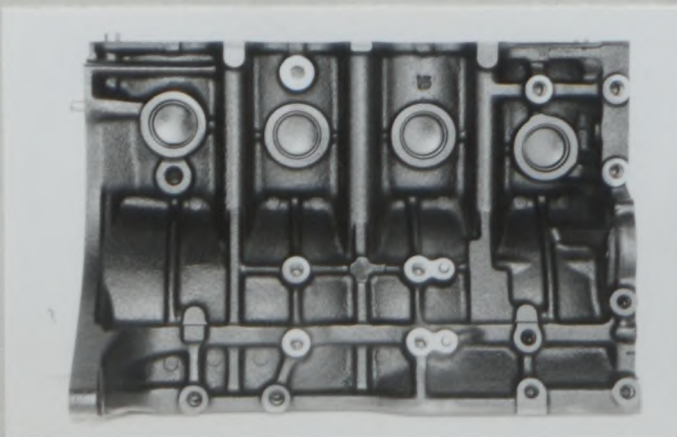
Bloc nu vu dessus
Bare block seen from above



Bloc nu vu dessous
Bare block seen from below



Profil droit du bloc nu
Right hand view of bare block



Profil gauche du bloc nu
Left hand view of bare block

