



FEDERATION INTERNATIONALE
DU SPORT AUTOMOBILE

Homologation No

305

EF3-003-92

FICHE D'HOMOLOGATION POUR MOTEUR DE FORMULE 3
HOMOLOGATION FORM FOR FORMULA 3 ENGINE

Constructeur TOYOTA MOTOR CORPORATION Modéle et type 3S-GE ENGINE
Manufacturer TOYOTA MOTOR CORPORATION Model and type 3S-GE ENGINE

Homologation valable à partir du 01 JAN. 1993
Homologation valid as from 01 JAN. 1993

MOTEUR (version standard)
ENGINE (standard version)

Cycle 4, OTTO
Cycle 4, OTTO

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

Mode de refroidissement LIQUID
Cooling system LIQUID

Cylindrée: Unitaire 499.5 cm³ Totale 1998.0 cm³
Cylinder capacity: Unitary 499.5 cm³ Total 1998.0 cm³

Matériau du bloc cylindres CAST-IRON
Cylinder block material CAST-IRON

Chemises:

oui	non
yes	no

 Type XXXX
Sleeves

oui	non
yes	no

 Type XXXX

Alésage 86.0 mm Course 86.0 mm
Bore 86.0 mm Stroke 86.0 mm

Vilebrequin:
Crankshaft:

Type de paliers PLAIN
Type of bearings PLAIN

Matériau des chapeaux de paliers CAST-IRON
Bearing cap material CAST-IRON

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Marque TOYOTA
Make

Modèle 3S-GE ENGINE
Model

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Vilebrequin:
Crankshaft:

Type de paliers, XXXX
Type of bearings

Matériau des chapeaux de paliers XXXX
Bearing cap material

Culasse:
Cylinder head:

Nombre 1 Emplacement TOP (DOHC)
Number Location

Système de commande des soupapes DIRECT
Type of valve operation

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

Admission:
Inlet:

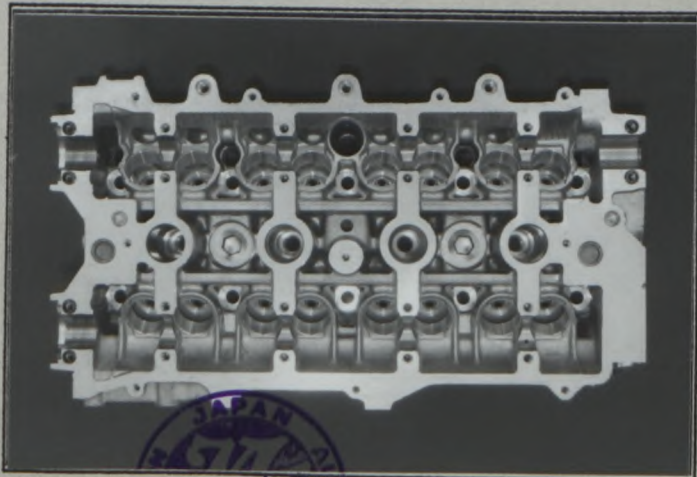
Nombre de soupapes par cylindre 2 Type des ressorts de soupape COIL
Number of valves per cylinder Type of valve springs

Echappement:
Exhaust:

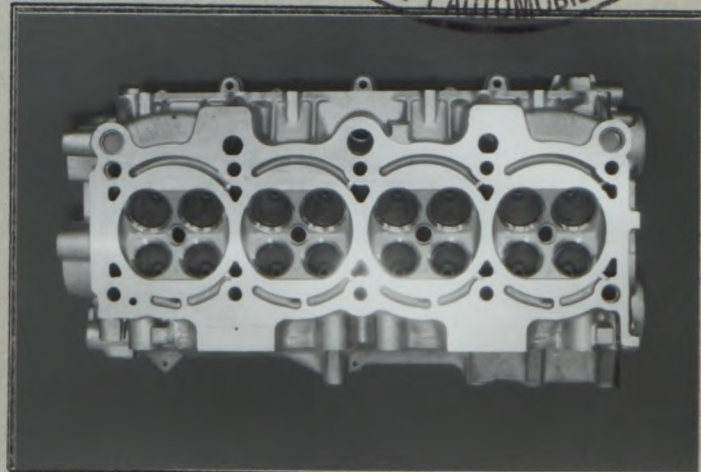
Nombre de soupapes par cylindre 2 Type des ressorts de soupape COIL
Number of valves per cylinder Type of valve springs

PHOTOS

Culasse nue vue de dessus
Bare cylinder head seen from above



Culasse nue vue de dessous
Bare cylinder head seen from below



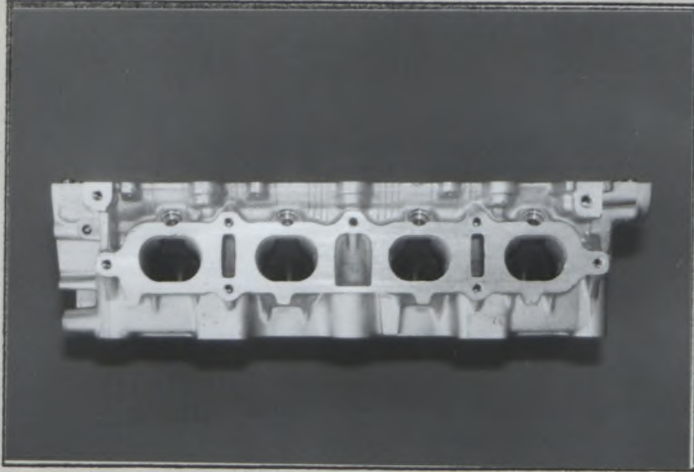
Marque TOYOTA
Make

Modèle 3S-GE ENGINE
Model

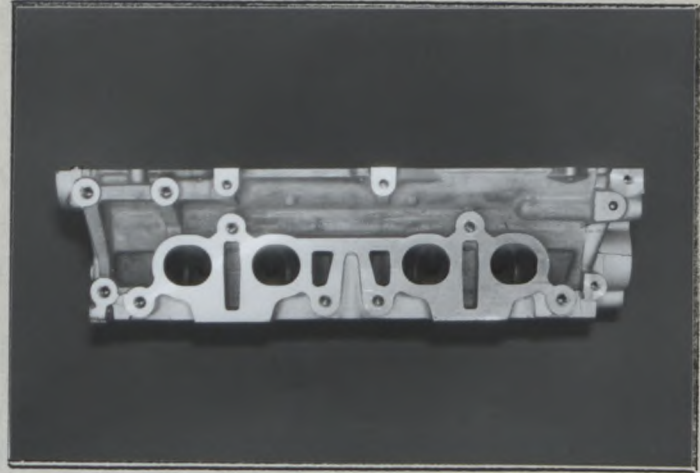
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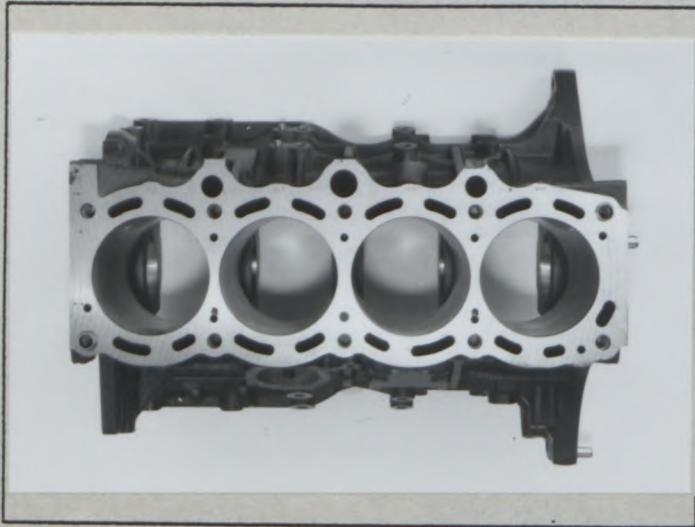
Profil droit de culasse nue
Right hand view of bare cylinder head



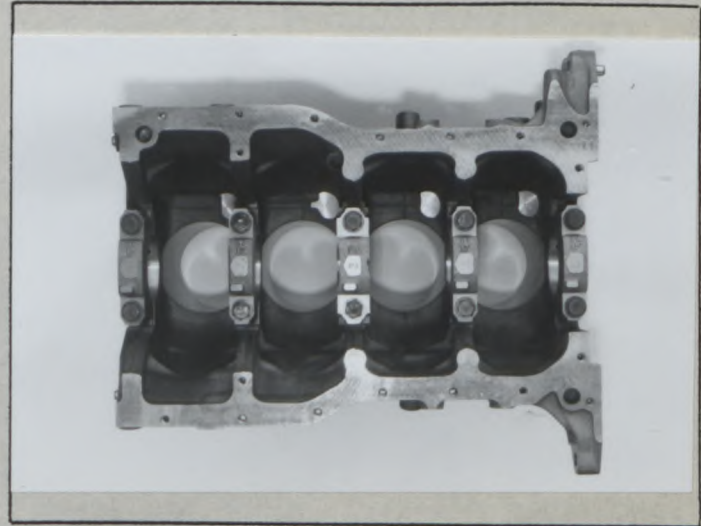
Profil gauche de culasse nue
Left hand view of bare cylinder head



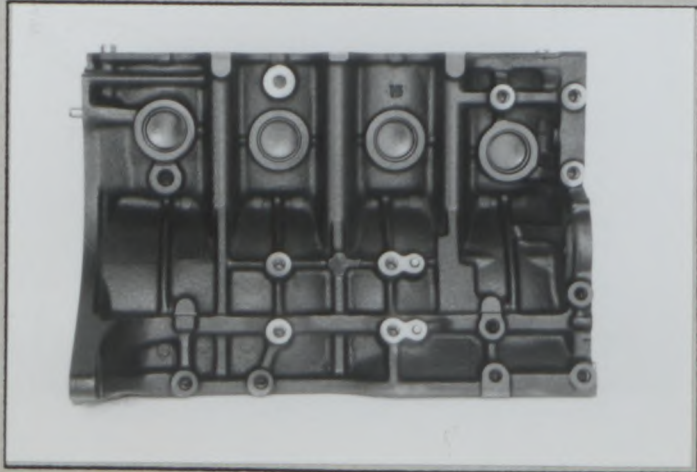
Bloc nu vu de dessus
Bare block seen from above



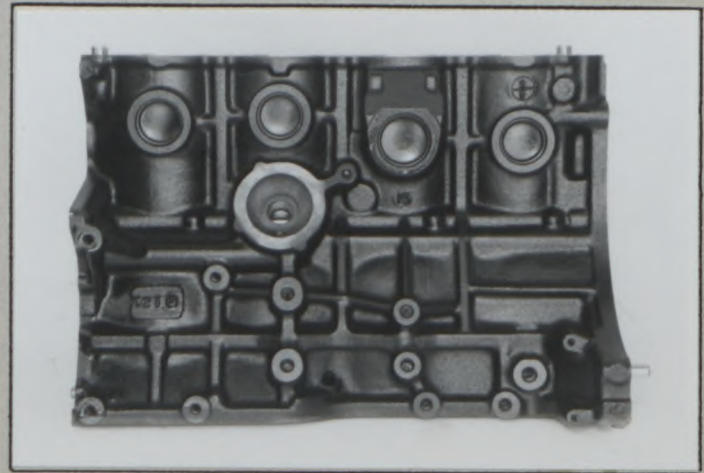
Bloc nu vu de dessous
Bare block seen from below



Profil droit du bloc nu
Right hand view of bare block



Profil gauche du bloc nu
Left hand view of bare block



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