



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

**N - 5451** N

FN-035

1991年10月31日

FICHE COMPLEMENTAIRE D'HOMOLOGATION EN GROUPE «N»  
COMPLEMENTARY HOMOLOGATION FORM FOR GROUP «N»

Homologation valable à partir du 01 JAN. 1992 prononcée par FISA  
Homologation valid as from \_\_\_\_\_ decided by \_\_\_\_\_

En complément de la fiche de Gr. A n° 5451  
In addition to the Gr. A from n° \_\_\_\_\_

**IMPORTANT:**

La présente fiche comporte toutes informations complémentaires à la fiche d'homologation de base de Gr. A pour la participation du véhicule en groupe «N». En cas d'information contradictoire, seule l'information figurant sur la présente fiche complémentaire est à prendre en considération pour le Groupe «N».

**IMPORTANT:**

This form includes all the additional information to the basic Group A homologation form for the participation of the vehicle in Group «N». In the case of contradictory information, only the information appearing on the present additional form is to be taken into consideration for Group «N».

**1. DEFINITIONS**

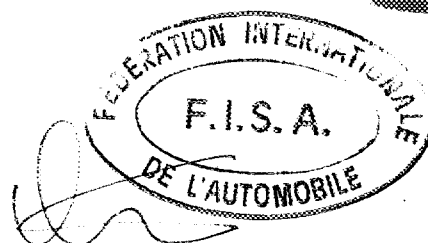
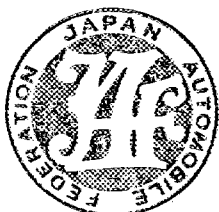
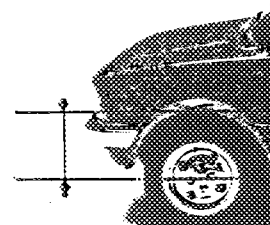
101. Constructeur TOYOTA MOTOR CORPORATION  
Manufacturer \_\_\_\_\_
102. Dénomination(s) commerciale(s) — Modèle et type TOYOTA CELICA TURBO 4WD  
Commercial name(s) — Type and model TOYOTA CELICA 2000GT-FOUR RC (ST185)
103. Cylindrée totale 3397.0  
Cylinder capacity (1998.2x1.7=3397.0) cm<sup>3</sup>

**2. DIMENSIONS, POIDS / DIMENSIONS, WEIGHTS**

201. Poids minimum 1275 kg  
Minimum weight \_\_\_\_\_

205. Hauteur minimum centre moyeu de roue /  
ouverture du passage de roue  
Minimum height center hub /  
wheel arch opening

AV  
Front 354 mm  
AR  
Rear 342 mm



Marque TOYOTA Modèle ST185 N° Homol. N-5451  
 Make \_\_\_\_\_ Model \_\_\_\_\_

207. Voie maximum AV AR  
 Maximum track Front 1491 mm Rear 1456 mm

208. Garde au sol minimum Endroit de la mesure  
 Minimum ground clearance XXXX mm Where measured XXXX

**3. MOTEUR / ENGINE**

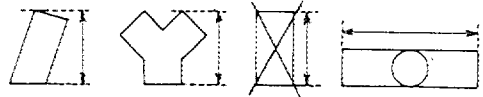
302. Nombre de supports  
 Number of supports 4

308. Volume minimal total d'une chambre de combustion  
 Total minimum volume of a combustion chamber 64.0 cm<sup>3</sup>

309. Volume minimum d'une chambre de combustion dans la culasse  
 Minimum volume of a combustion chamber in the cylinderhead 50.0 cm<sup>3</sup>

310. Rapport volumétrique maximum (par rapport à l'unité)  
 Maximum compression ratio (in relation with the unit) 8.8:1

311. Hauteur minimum du bloc-cylindres  
 Minimum height of the cylinder block 273 mm



313. Chemises b) Matériau  
 Sleeves Material XXXX

317. Piston a) Matériau  
 Piston Material ALUMINUM ALLOY

b) Nombre de segments 3 c) Poids minimum 534  
 Number of rings Minimum weight g

d) Distance de la médiane de l'axe au sommet du piston  
 Distance from gudgeon pin center line to highest point of piston crown 35.1 ±0.1 mm

e) Distance (+/-) entre le sommet du piston au PMH et le plan de joint du bloc-cylindre  
 Distance (+/-) between the top of the piston at TDC and the gasket plane of the cylinderblock +0.1 ±0.15 mm

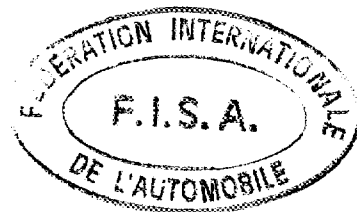
f) Volume de l'évidement du piston  
 Piston groove volume 5.7 ±0.5 cm<sup>3</sup>

319. Vilebrequin i) Diamètre maximum des manetons  
 Crankshaft Maximum diameter of big end journals 48.0 mm

320. Volant moteur  
 Flywheel  
 c) Poids minimum avec couronne de démarreur et embrayage complet  
 Minimum weight of the flywheel with starter ring and complete clutch XXXX g

321. Culasse: c) Hauteur minimum  
 Cylinderhead: Minimum height 119 mm

d) Endroit de la mesure  
 Where measured FROM TOP OF CYLINDERHEAD TO BOTTOM OF CYLINDERHEAD





e) Levée de soupape en mm avec jeu théorique de distribution (art. 326 a)  
 Valve lift in mm with theoretical timing clearance (art. 326 a)

Admission / Inlet

Art. 326 b) = XXXX avant/après PMH  
 before/after TDC = 0,0 mm

+ 20°	=	<u>XXXX</u>	mm
+ 40°	=	<u>XXXX</u>	mm
+ 60°	=	<u>XXXX</u>	mm
+ 80°	=	<u>XXXX</u>	mm
+ 100°	=	<u>XXXX</u>	mm
+ 120°	=	<u>XXXX</u>	mm
+ 140°	=	<u>XXXX</u>	mm
+ 160°	=	<u>XXXX</u>	mm
+ 180°	=	<u>XXXX</u>	mm
+ 200°	=	<u>XXXX</u>	mm
+ 220°	=	<u>XXXX</u>	mm
+ 240°	=	<u>XXXX</u>	mm
+ 260°	=	<u>XXXX</u>	mm
+ 280°	=	<u>XXXX</u>	mm
+ 300°	=	<u>XXXX</u>	mm
+ 320°	=	<u>XXXX</u>	mm
+ 340°	=	<u>XXXX</u>	mm
+ 360°	=	<u>XXXX</u>	mm

Echappement / Exhaust

Art. 326 b) = XXXX avant/après PMB  
 before/after BDC = 0,0 mm

+ 20°	=	<u>XXXX</u>	mm
+ 40°	=	<u>XXXX</u>	mm
+ 60°	=	<u>XXXX</u>	mm
+ 80°	=	<u>XXXX</u>	mm
+ 100°	=	<u>XXXX</u>	mm
+ 120°	=	<u>XXXX</u>	mm
+ 140°	=	<u>XXXX</u>	mm
+ 160°	=	<u>XXXX</u>	mm
+ 180°	=	<u>XXXX</u>	mm
+ 200°	=	<u>XXXX</u>	mm
+ 220°	=	<u>XXXX</u>	mm
+ 240°	=	<u>XXXX</u>	mm
+ 260°	=	<u>XXXX</u>	mm
+ 280°	=	<u>XXXX</u>	mm
+ 300°	=	<u>XXXX</u>	mm
+ 320°	=	<u>XXXX</u>	mm
+ 340°	=	<u>XXXX</u>	mm
+ 360°	=	<u>XXXX</u>	mm

327. Admission h) Nombre de ressorts par soupape

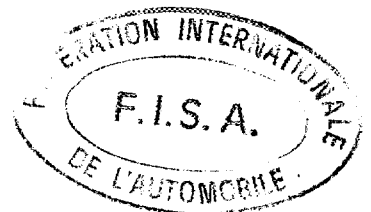
Inlet Number of springs per valve 1

i) Caractéristiques des ressorts: Sous une charge de	kg, la longueur max. du ressort est de	mm
Spring characteristics: Under a load of <u>22.3±2.0</u>	kg, the max. length of the spring is	<u>34.4</u> mm
Caractéristiques des ressorts: Sous une charge de	kg, la longueur max. du ressort est de	mm
Spring characteristics: Under a load of <u>XXXX</u>	kg, the max. length of the spring is	<u>XXXX</u> mm
k) Diamètre extérieur des ressorts	l) Nombre de spires des ressorts	
Exterior diameter of the springs <u>27.0 ±0.2</u> mm	Number of spring coils <u>7.2</u>	mm
m) Diamètre du fil des ressorts	n) Longueur libre maximum des ressorts	
Diameter of spring wire <u>3.5 ±0.1</u> mm	Maximum free length of the springs <u>44</u>	mm

328. Echappement

Exhaust

c) Diamètre de(s) sortie(s) du collecteur	i) Nombre de ressorts par soupape	
Diameter of the manifold exit(s) <u>SEE PAGE 11</u> mm	Number of springs per valve <u>1</u>	
k) Caractéristiques des ressorts: Sous une charge de	kg, la longueur max. du ressort est de	mm
Spring characteristics: Under a load of <u>22.3±2.0</u>	kg, the max. length of the spring is	<u>34.4</u> mm
l) Diamètre extérieur des ressorts	m) Nombre de spires des ressorts	
Exterior diameter of the springs <u>27.0 ±0.2</u> mm	Number of spring coils <u>7.2</u>	
n) Diamètre du fil des ressorts	o) Longueur libre maximum des ressorts	
Diameter of spring wire <u>3.5 ±0.1</u> mm	Maximum free length of the springs <u>44</u>	mm



N-5451

N

Marque Make TOYOTA Modèle Model ST185 N° Homol. \_\_\_\_\_

329. Système anti-pollution a) oui/~~non~~  
Anti pollution system Yes/~~no~~  
b) Description THREE-WAY CATALYTIC CONVERTER  
Description CHARCOAL CANISTER

330. Système d'allumage d) Nombre de bobines 1  
Ignition system Number of coils \_\_\_\_\_

331. Capacité du circuit de refroidissement 6.5 L  
Cooling system capacity \_\_\_\_\_

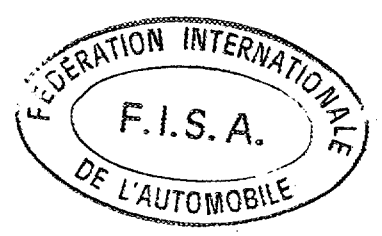
332. Ventilateur de refroidissement a) Nombre 2 b) Diamètre de l'hélice 300/280 mm  
Cooling fan Number \_\_\_\_\_ Diameter of the screw \_\_\_\_\_ mm  
c) Matériau de l'hélice POLYPROPYLENE d) Nombre de pales 7/5  
Material of the screw \_\_\_\_\_ Number of blades \_\_\_\_\_  
e) Type de connection ELECTRICAL f) Ventilateur débrayable oui/~~non~~  
Type of connection \_\_\_\_\_ Automatic cut in yes/~~no~~

333. Système de lubrification c) Capacité totale 4.5 L  
Lubrification system Total capacity \_\_\_\_\_ L  
d) Radiateur(s) d'huile oui/~~non~~ Nombre 1  
Oil radiator(s) yes/~~no~~ Number \_\_\_\_\_  
e) Emplacement du/des radiateurs IN ENGINE COMPARTMENT  
Position of the radiator(s) \_\_\_\_\_

4. CIRCUIT DE CARBURANT / FUEL CIRCUIT

401. Réservoir e) Emplacement des orifices REARWARD ON THE LEFT HAND SIDE  
Fuel tank Filler holes location \_\_\_\_\_

402. Pompe(s) à essence a)  Electrique  Mécanique  
Fuel pump(s)  Electrical  Mechanical  
b) Nombre 1 c) Marque et type MAKE : NIPPONDENSO  
Number \_\_\_\_\_ Make and type TYPE : IMPELLER  
d) Emplacement IN FUEL TANK e) Débit maximum 2.6 l/mn  
Location \_\_\_\_\_ Maximum flow \_\_\_\_\_





Marque / Make TOYOTA

Modèle / Model ST185

N° Homol. \_\_\_\_\_ **N**

N-5451

**7. SUSPENSION / SUSPENSION**

**702. Ressorts hélicoïdaux / Helical springs**

- a) Matériau / Material
- b) Type progressif / Progressive type
- c) Longueur libre minimale / Minimal free length
- d) Nombre de spires / Number of coils
- e) Diamètre du fil / Diameter of the wire
- f) Diamètre extérieur / Exterior diameter

AV / Front	AR / Rear
<u>STEEL</u>	<u>STEEL</u>
<del>oui/non</del> <del>yes/no</del>	<del>oui/non</del> <del>yes/no</del>
<u>XXXX</u> mm	<u>XXXX</u> mm
<u>XXXX</u>	<u>XXXX</u> mm
<u>XXXX</u> mm	<u>XXXX</u> mm
<u>XXXX</u> mm	<u>XXXX</u> mm

g) Caractéristiques des ressorts: Sous une charge de XXX kg, la longueur min. du ressort AV est de XXX mm  
 Spring characteristics: Under a load of XXX kg, the min. length of the front spring is XXX mm  
 Sous une charge de XXX kg, la longueur min. du ressort AR est de XXX mm  
 Under a load of XXX kg, the min. length of the rear spring is XXX mm

**703. Ressorts à lames / Leaf springs**

A = Lame maitresse / X = lame auxiliaire  
 2 = 2è lame / 3 = 3è lame / 4 = 4è lame / 5 = 5è lame

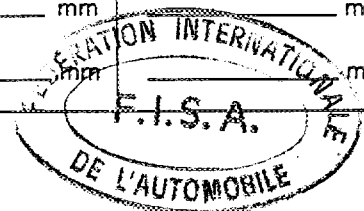
A = major leaf / X = auxiliary leaf  
 2 = 2nd leaf / 3 = 3rd leaf / 4 = 4th leaf / 5 = 5th leaf

- a) Matériau / Material
- b) Nombre d'étriers / Number of spring hangers
- c) Longueur libre minimum / Minimum free length
- d) Largeur maximum / Maximum width
- e) Epaisseur / Thickness
- f) Courbure verticale maximale / Maximum vertical curve

A	2	3
_____	_____	_____
_____ mm	_____ mm	_____ mm
_____ mm	_____ mm	_____ mm
_____ mm	_____ mm	_____ mm
_____ mm	_____ mm	_____ mm

- a) Matériau / Material
- b) Nombre d'étriers / Number of spring hangers
- c) Longueur libre minimum / Minimum free length
- d) Largeur maximum / Maximum width
- e) Epaisseur / Thickness
- f) Courbure verticale maximale / Maximum vertical curve

4	5	X
_____	_____	_____
_____ mm	_____ mm	_____ mm
_____ mm	_____ mm	_____ mm
_____ mm	_____ mm	_____ mm
_____ mm	_____ mm	_____ mm



Marque TOYOTA  
 Make \_\_\_\_\_

Modèle ST185  
 Model \_\_\_\_\_

N° Homol. N-5451 **N**

**704. Barre de torsion**  
**Torsion bar**

- a) Longueur efficace  
 Effective length  
 mesurée de:  
 measured from:  
 à:  
 to:
- b) Diamètre efficace  
 Effective diameter  
 mesuré à:  
 measured at:
- c) Matériau  
 Material

AV / Front	AR / Rear
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm

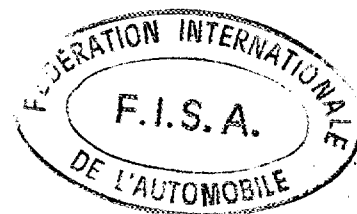
**706. Stabilisateur**  
**Stabilizer**

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

AV / Front	AR / Rear
1070 ±1% mm	1134 ±1% mm
28.0 mm	18.0 mm
STEEL	STEEL
XXXX mm	XXXX mm
<del>oui/non</del> yes/no	<del>oui/non</del> yes/no
XXXX mm	XXXX mm
XXXX mm	XXXX mm

**707. Amortisseurs**  
**Shock absorbers**

- d) Diamètre extérieur  
 Exterior diameter
- e) Assiette du ressort réglable  
 Adjustable spring trim
- f) Distance assiette-fixation  
 Distance trim-monitoring
- g) Diamètre de la tige de piston  
 Diameter of the piston rod





Marque TOYOTA  
 Make \_\_\_\_\_

Modèle ST185  
 Model \_\_\_\_\_

N° Homol. N-5451 **N**

**8. TRAIN ROULANT / RUNNING GEAR**

**801. Roues  
 Wheels**

- a) Diamètre  
 Diameter
- b) Largeur  
 Width
- c) Marque et type  
 Make and type
- d) Matériau  
 Material
- e) Poids unitaire  
 Unitary weight
- f) Dépot entre plan de montage  
 et extrémité intérieure  
 Offset between mounting  
 and extreme inner face

	AV / Front	AR / Rear	Secours / Spare
a) Diamètre Diameter	<u>15</u> " <u>381</u> mm	<u>15</u> " <u>381</u> mm	<u>16</u> " <u>406</u> mm
b) Largeur Width	<u>6.5</u> " <u>165</u> mm	<u>6.5</u> " <u>165</u> mm	<u>4</u> " <u>102</u> mm
c) Marque et type Make and type	<u>XXXX</u>	<u>XXXX</u>	<u>XXXX</u>
d) Matériau Material	<u>XXXX</u>	<u>XXXX</u>	<u>XXXX</u>
e) Poids unitaire Unitary weight	<u>XXXX</u> kg	<u>XXXX</u> kg	<u>XXXX</u> kg
f) Dépot entre plan de montage et extrémité intérieure Offset between mounting and extreme inner face	<u>XXXX</u> mm	<u>XXXX</u> mm	<u>XXXX</u> mm

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

BEHIND THE REAR SEAT

**9. CARROSSERIE / BODYWORK**

**901. Intérieur  
 Interior**

c) Climatisation ~~oui~~/non  
 Air conditioning yes/no

- d) Sièges  
 Seats
- d1) Type  
 Type
- d2) Appuie-tête  
 Headrest
- d3) Poids  
 Weight

	AR / Rear	AV / Front
d1) Type Type	<u>BENCH</u>	<u>SEPARATE</u>
d2) Appuie-tête Headrest	<del>oui</del> /non <u>yes</u> /no	<del>oui</del> /non <u>yes</u> /no
d3) Poids Weight	<u>16.3 ±1.0</u> kg	<u>                    </u> kg

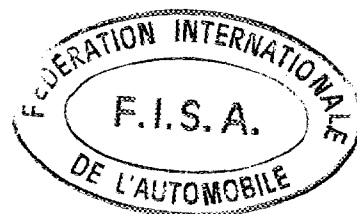
d4) Siège AR rabattable ~~oui~~/non  
 Car rear seat be folded yes/no

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

e1) Matériau BOARD  
 Material \_\_\_\_\_

**902. Extérieur  
 Exterior**

n) Essuie-glace AR ~~oui~~/non  
 Rear wiper yes/no



N-5451

Marque TOYOTA  
Make

Modèle ST185  
Model

N° Homol. \_\_\_\_\_ N

**PHOTOS / PHOTOS**

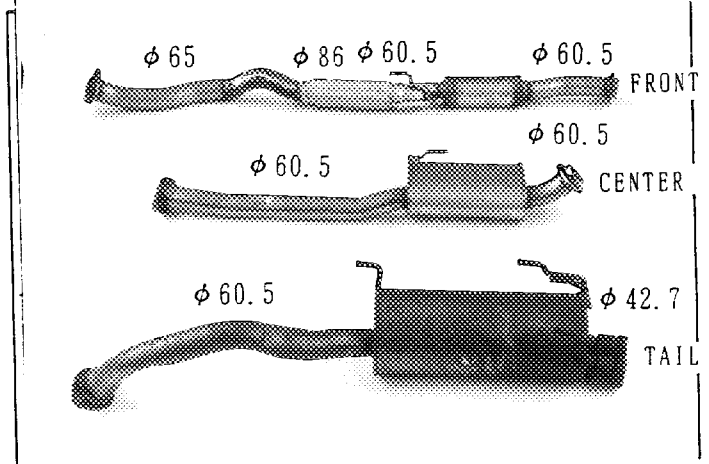
**Moteur / Engine**

AA) Piston de profil  
Piston profile



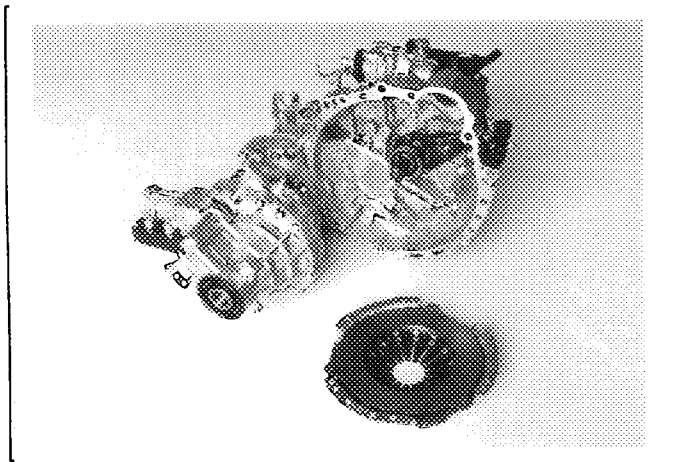
**BB) Echappement complet**

Complete exhaust system TOLERANCE  $\pm 5.0\%$



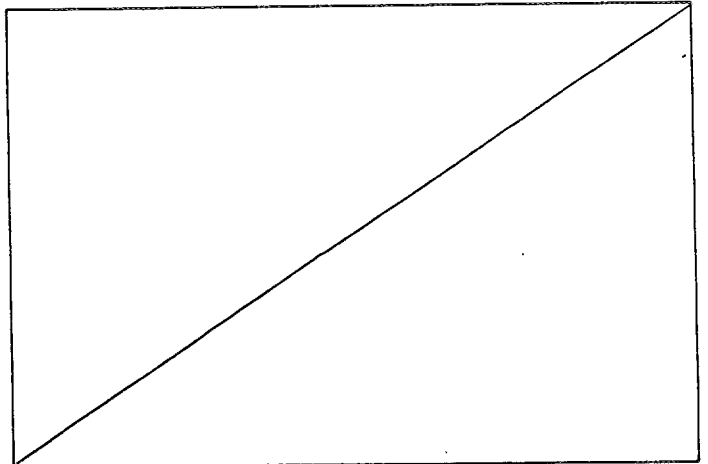
**Transmission / Transmission**

CC) Embrayage complet  
Complete clutch

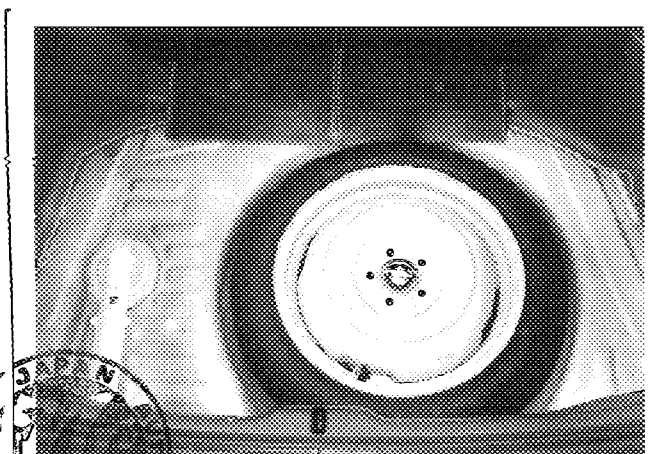


**Train roulant / Running gear**

DD) Roue nue (vue de 3/4)  
Bare wheel (3/4 view)

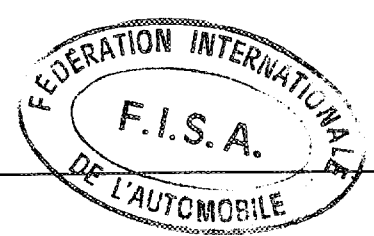
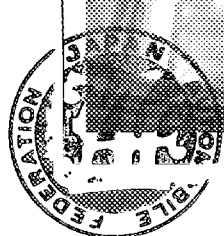
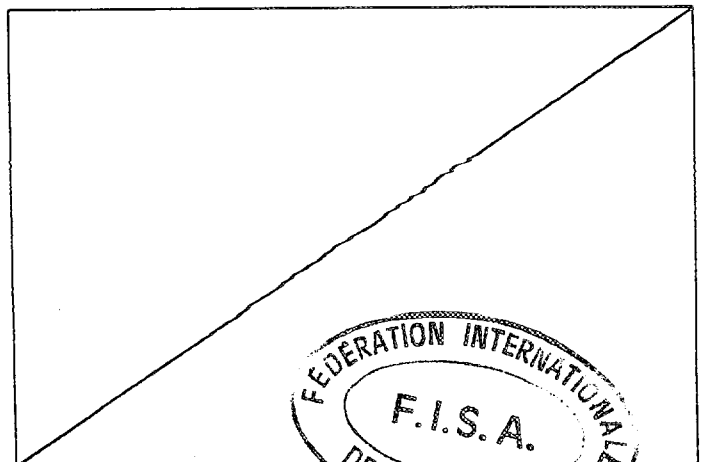


EE) Roue de secours dans son emplacement  
Spare wheel in its location



**Carrosserie / Bodywork**

FF) Siège démonté avec ses accessoires  
Dismounted seat with its accessories



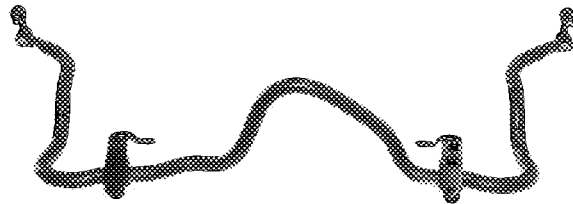
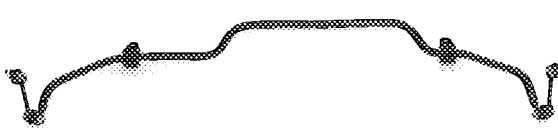
Make  
会社名 TOYOTA

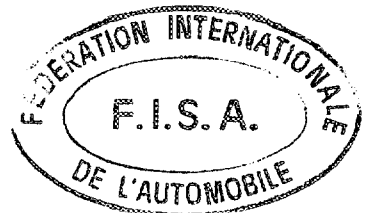
Model  
型式 ST185

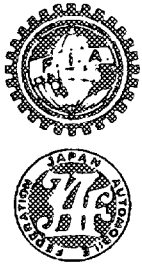
No Homol. N-5451

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

JAF公認番号 \_\_\_\_\_

Page or ext. ページまたは補足	Art. 項目	Description 記述
8	706	STABILIZER FRONT   REAR 





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

FISA Homologation No

N - 5 4 5 1

Extension No

01 / 01 ER

JAF公認番号 FN-035 ER- 1/1

発効年月日 1992年 2月29日

FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION  
F I S A 公認追加書式

- E S Sporting evolution of the type / スポーツ進化
- E T Normal evolution of the type / 形式の正常進化
- V F Supply variant / 供給変型
- V O Option variant / オプション変型
- E R Erratum / 誤記訂正

Homologation valid as from  
公認発行日

01 AVR. 1992

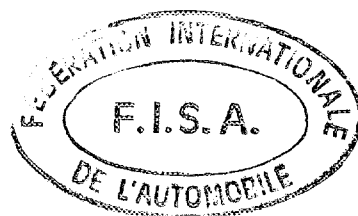
In group  
FISAグループ

N

Manufacturer  
製造者 TOYOTA MOTOR CORPORATION

Model and type TOYOTA CELICA TURBO 4WD  
型式と形式 TOYOTA CELICA 2000GT-FOUR RC(ST185)

Page or ext. ページまたは補足	Art. 項目	Description 記述
2	3 0 8	<p><u>ENGINE</u></p> <p>TOTAL MINIMUM VOLUME OF A COMBUSTION CHAMBER</p> <p><u>PRESENT</u> 64.0 cm<sup>3</sup></p> <p><u>REVISED</u> 62.8 cm<sup>3</sup></p>
	3 1 0	<p>MAXIMUM COMPRESSION RATIO</p> <p><u>PRESENT</u> 8.8 : 1</p> <p><u>REVISED</u> 9.0 : 1</p>
		<p>* CAUSE NOT ENOUGH STUDY FOR THE TOLERANCE OF CHAMBER, HEAD GASKET AND PISTON.</p>



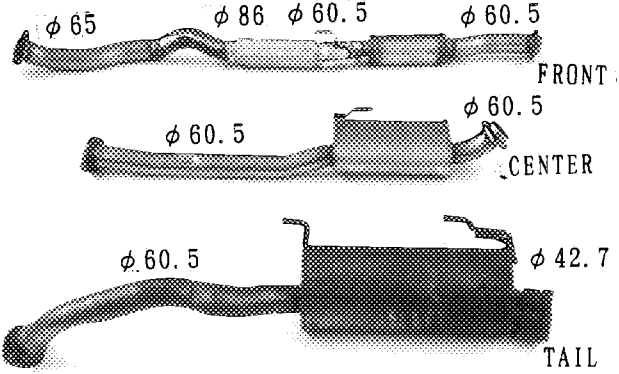
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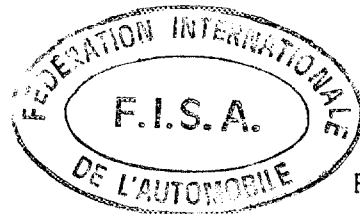
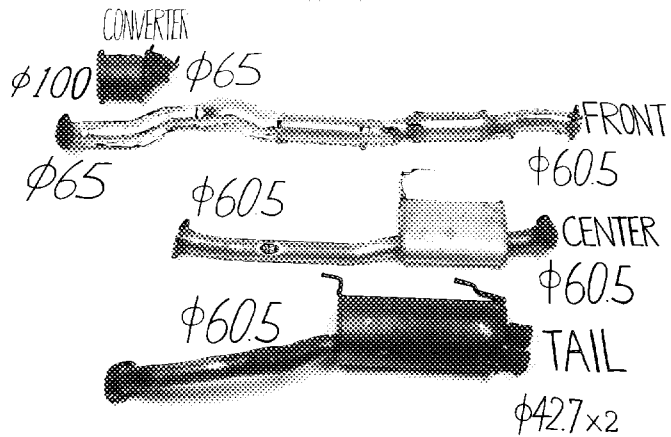
PHOTO BB

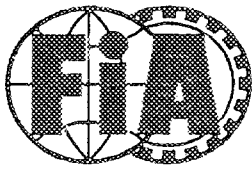
COMPLETE EXHAUST SYSTEM (TOLERANCE ±5.0 %)

PRESENT



REVISED





FEDERATION INTERNATIONALE  
DU SPORT AUTOMOBILE

Homologation No

N-5451

Extension No

02/02 ER

Groupe N  
Group

JAF公認番号 FN-035ER-3/2

発効年月日 1993年 11月 30日

FICHE D'EXTENSION D'HOMOLOGATION  
FORM OF HOMOLOGATION EXTENSION

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

Véhicule: Constructeur TOYOTA MOTOR CORPORATION Modèle et type TOYOTA CELICA TURBO 4WD  
Vehicle: Manufactureur TOYOTA MOTOR CORPORATION Model and type TOYOTA CELICA 2000GT-FOUR RC(ST185)

Homologation valable à partir du 01 JAN. 1994  
Homologation valid as from

Page ou ext. Page or ext.	Article Article	Description Description
10	PHOTO BB	<u>ENGINE :</u> COMPLETE EXHAUST SYSTEM ( TOLERANCE ±5.0 % )



FEDERATION INTERNATIONALE  
DE L'AUTOMOBILE  
8, Place de la Concorde, 8  
75008 PARIS

Marque  
Make

TOYOTA

Modèle  
Model

ST185

Homologation No  
N-5451

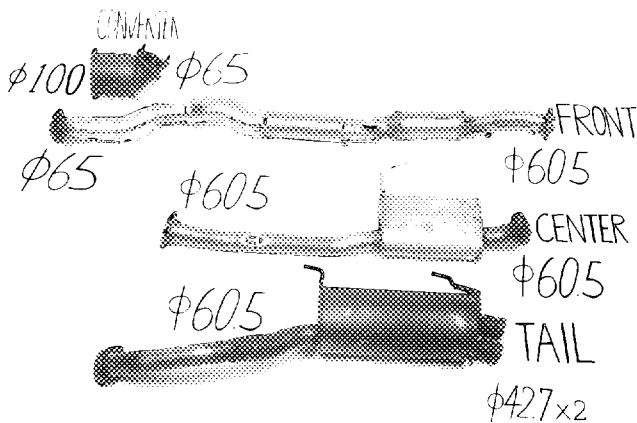
Extension No

02/02

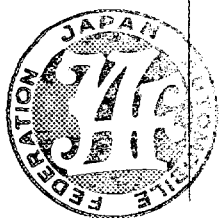
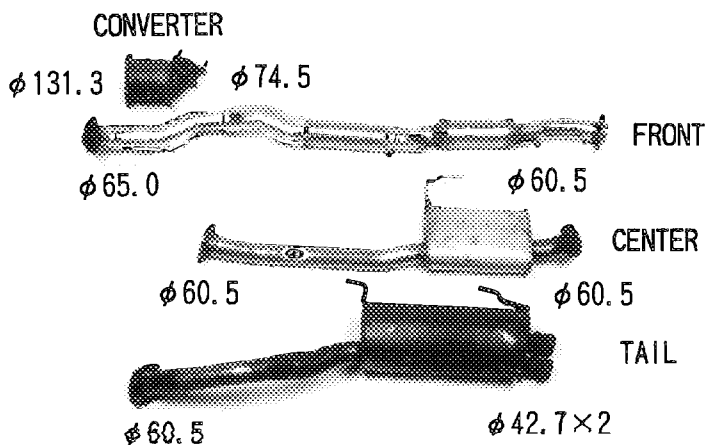
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