



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

**A-5323**

Groupe **A/B**  
Group

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

**- 1 JAN. 1987**

en groupe  
in group

**A**

Photo A



Photo B



## 1. DEFINITIONS / DEFINITIONS

101. Constructeur

Manufacturer FORD

102. Dénomination(s) commerciale(s) — Modèle et type

Commercial name(s) — Type and model SIERRA RS COSWORTH

103. Cylindrée totale

Cylinder capacity 1993.9 x 1.4 = 2791.46

cm<sup>3</sup>

104. Mode de construction

Type of car construction

séparée, matériau du châssis  
separate, material of chassis

monocoque  
unitary construction

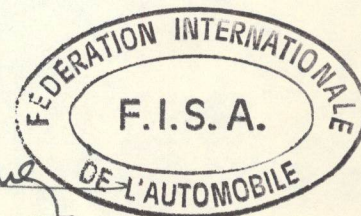
Steel sheet with composite  
plastic body mouldings

105. Nombre de volumes

Number of volumes 3

108. Nombre de places

Number of places 5



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

202. Longueur hors-tout Overall length 4460 mm ± 1%  
 203. Largeur hors-tout Overall width 1745 mm ± 1% Endroit de la mesure Where measured Rear wheel arch  
 204. Largeur de la carrosserie: Width of bodywork:  
 a) A la hauteur de l'axe AV At front axle 1705.7 mm ± 1%  
 b) A la hauteur de l'axe AR At rear axle 1745 mm ± 1%  
 208. Empattement: a) Droit Wheelbase: Right 2620 mm ± 1% b) Gauche: Left: 2620 mm ± 1%  
 209. Porte-à-faux: a) AV: Overhang: Front: 834 mm ± 1% b) AR: Rear: 1006 mm ± 1%  
 210. Distance «G» (volant — paroi de séparation AR) Distance «G» (steering wheel — rear bulkhead) 1630 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).

301. Emplacement et position du moteur: Location and position of the engine: front, longitudinal, vertical  
 303. Cycle 4 stroke  
 304. Suralimentation oui/yes type turbocharger  
 Supercharging yes/yes type 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 498.49 (697.88) b) Totale 1993.9 (2791.46)  
 Cylinder capacity: a) Unitary \_\_\_\_\_ cm<sup>3</sup> b) Total \_\_\_\_\_ cm<sup>3</sup>  
 c) Totale maximum autorisée\*. 2020.4 (2828.5) cm<sup>3</sup> \*(Cette indication n'est pas à considérer en Gr. N)  
 c) Maximum total allowed\*: 2020.4 (2828.5) cm<sup>3</sup> \*(This indication is not to be considered in Gr. N)



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

313. Chemises: a) ~~XX~~/non c) Type:  
 Sleeves: ~~XX~~/no (see page 10) Type: \_\_\_\_\_

314. Alésage  
 Bore 90.82 mm

315. Alésage maximum autorisé (Cette indication n'est pas à considérer en Gr N)  
 Maximum bore allowed 91.42 mm (This indication is not to be considered in Gr N)

316. Course  
 Stroke 76.95 mm

318. Bielle: a) Matériau Forged steel b) Type de la tête de bielle  
 Connecting rod: Material Forged steel Big end type split big end  
 c) Diamètre intérieur de la tête de bielle (sans coussinets):  
 Interior diameter of the big end (without bearings): 55.0 mm  $\pm 0.1\%$   
 d) Longueur entre axes: 128.5 mm ( $\pm 0.2$ mm) e) Poids minimum:  
 Length between the axes: 128.5 mm ( $\pm 0.2$ mm) Minimum weight: 675 g

319. Vilebrequin: a) Type de construction one piece  
 Crankshaft: Type of manufacture one piece  
 b) Matériau forged steel  
 Material forged steel  
 c)  coulé  estampé d) Nombre de paliers  
 moulded  stamped Number of bearings 5  
 e) Type de paliers plain  
 Type of bearings plain  
 f) Diamètre des paliers 56.98 mm  $\pm 0.2\%$   
 Diameter of bearings 56.98 mm  $\pm 0.2\%$   
 g) Matériau des chapeaux des paliers cast iron alloy  
 Bearing caps material cast iron alloy  
 h) Poids minimum du vilebrequin nu 14,100 g  
 Minimum weight of the bare crankshaft 14,100 g

320. Volant moteur: a) Matériau steel  
 Flywheel: Material steel  
 b) Poids minimum avec couronne de démarreur 8020 g  
 Minimum weight of the flywheel with starter ring 8020 g

321. Culasse: a) Nombre de culasses 1 b) Matériau aluminium alloy  
 Cylinderhead: Number of cylinderheads 1 Material aluminium alloy

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



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

**324. Alimentation par injection:**

**Fuel feed by injection:**

a) Marque: Weber  
Manufacturer: \_\_\_\_\_

b) Modèle du système d'injection: E.F.I.  
Model of injection system: \_\_\_\_\_

c) Mode de dosage du carburant:  mécanique  électronique  hydraulique  
Kind of fuel measurement:  mechanical  electronical  hydraulical

c1) Plongeur ~~oui~~/non  c2) Mesure du volume d'air ~~oui~~/no   
Piston pump  Measurement of air volume ~~oui~~/no

c3) Mesure de la masse d'air oui/~~non~~  c4) Mesure de la vitesse de l'air oui/~~non~~   
Measurement of air mass  Measurement of air speed

c5) Mesure de la pression d'air oui/~~non~~  Quelle est la pression de réglage?  
Which pressure is taken for measurement? \_\_\_\_\_ bars  
Measurement of air pressure

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 56.0 mm

e) Nombre des sorties effectives de carburant  
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 valve; temperature sensor (air) temperature sensor (water), pressure sensor, throttle potentiometer, fuel pressure regulator, position sensor, electronic control unit.

**325. Arbre à cames:** a) Nombre 2 b) Emplacement DOHC  
Camshaft: Number \_\_\_\_\_ Location \_\_\_\_\_

c) Système d'entraînement tooth belt d) Nombre de paliers par arbre 5  
Driving system \_\_\_\_\_ Number of bearings for each shaft \_\_\_\_\_

i) Système de commande des soupapes direct via bucket tappet  
Type of valve operation \_\_\_\_\_

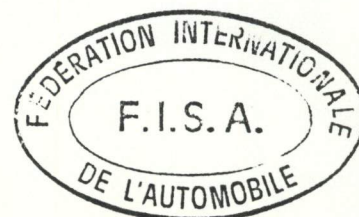
**326. Distribution:** e) Levée maximum des soupapes  
Timing: Maximum valve lift Admission 8.7 mm Echappement 8.7 mm  
Inlet \_\_\_\_\_ Exhaust \_\_\_\_\_  
avec jeu de \_\_\_\_\_ 0 mm with clearance \_\_\_\_\_ 0 mm

**327. Admission:** a) Matériau du collecteur aluminium alloy  
Inlet: Material of the manifold \_\_\_\_\_

b) Nombre d'éléments du collecteur 3 c) Nombre de soupapes par cylindre 2  
Number of manifold elements \_\_\_\_\_ Number of valves per cylinder \_\_\_\_\_

d) Diamètre maximum des soupapes 35.2 mm e) Diamètre de la tige de soupape 7.0 mm nom \_\_\_\_\_ mm  
Maximum diameter of the valves \_\_\_\_\_ Diameter of the valve stem \_\_\_\_\_

f) Longueur de la soupape 105.7 +/- 1.5 mm g) Type des ressorts de soupape coil spring (see page 10)  
Length of the valve \_\_\_\_\_ Type of valve springs \_\_\_\_\_



Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

N° Homol. A-5323

328. **Echappement:** a) Matériau du collecteur cast iron alloy  
**Exhaust:** Material of the manifold  
b) Nombre d'éléments du collecteur 2 d) Nombre de soupapes par cylindre 2  
Number of manifold elements Number of valves per cylinder  
e) Diamètre maximum des soupapes 31.2 mm f) Diamètre de la tige de soupape  
Maximum diameter of the valves Diameter of the valve stem 8.0mm nom mm  
g) Longueur de la soupape 105.5 +/- 1.5 mm h) Type des ressorts de soupape (see page 10)  
Length of the valve Type of valve springs coil spring

330. **Système d'allumage:** a) Type electronic  
**Ignition system:** Type  
b) Nombre de bougies par cylindre 1 c) Nombre de distributeurs  
Number of plugs per cylinder Number of distributors 1 + 1 crank speed sensor

333. **Système de lubrification:** a) Type wet sump b) Nombre de pompes à huile  
**Lubrication system:** Type Number of oil pumps 1

#### 4. CIRCUIT DE CARBURANT / FUEL CIRCUIT

401. **Réservoir:** a) Nombre 1 b) Emplacement  
**Fuel tank:** Number Location under floor pan, behind rear axle  
c) Matériau mild steel plate d) Capacité maximum  
Material Maximum capacity 65 L

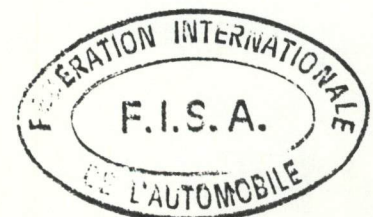
#### 5. EQUIPEMENT ELECTRIQUE / ELECTRICAL EQUIPEMENT

501. **Batterie(s):** a) Nombre 1  
**Battery(ies):** Number

#### 6. TRANSMISSION / DRIVE

601. **Roues motrices:**  avant  arrière  
**Driving wheels:** front rear

602. **Embrayage:** b) Système de commande mechanical  
**Clutch:** Drive system  
c) Nombre de disques  
Number of plates 1



603. Boîte de vitesses: a) Emplacement  
 Gear-box: Location behind engine

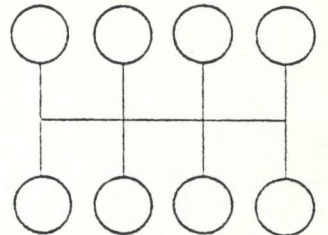
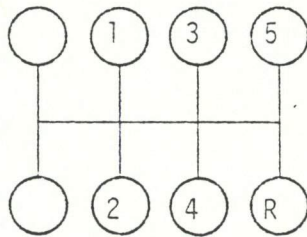
b) Marque «manuelle» «Manual» make Borg Warner c) Marque «automatique» «Automatic» make -

d) Emplacement de la commande Location of the gear lever central on floor

e) Rapports Ratios

	Manuelle / Manual			Automatique / Automatic			B.V. suppl. / Additional G.B.		
	rappports ratio	nombre de dents/ number of teeth	synchro.	rappports ratio	nombre de dents/ number of teeth	synchro.	rappports ratio	nombre de dents/ number of teeth	synchro.
1	2.952	32/14	x						
2	1.937	33/22	x						
3	1.336	30/29	x						
4	1.00	direct	x						
5	0.804	33/53	x						
AR/R	2.755	32/15							
Constante	1.292	31/24							
Constant.									

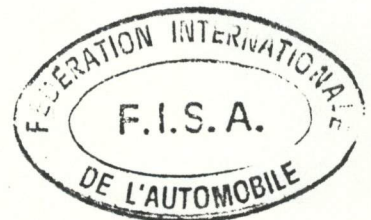
f) Grille de vitesse Gear change gate



604. Surmultiplication: a) Type Overdrive: Type -

b) Rapport Ratio - c) Nombre de dents Number of teeth -

d) Utilisable avec les vitesses suivantes Usuable with the following gears -



Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

N° Homol. A-5323

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</u>
	<u>3.64</u>
	<u>51:14</u>
	<u>limited slip</u>

- e) Rapport de la boîte de transfert  
Ratio of the transfer box \_\_\_\_\_

606. Type de l'arbre de transmission  
Type of the transmission shaft CARDAN

7. SUSPENSION / SUSPENSION

701. Type de suspension: a) AV / Front double joint McPherson strut

Type of suspension:

b) AR / rear semi trailing arm

702. Ressorts hélicoïdaux: AV: oui/~~oui~~  
Helicoïdal springs: Front: yes/~~yes~~

AR: oui/~~oui~~  
Rear: yes/~~yes~~

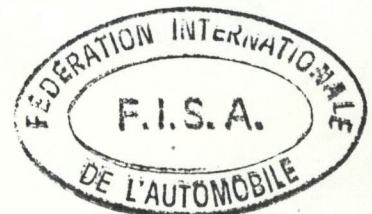
703. Ressorts à lames: AV: ~~oui~~/non  
Leaf springs: Front: ~~yes~~/no

AR: ~~oui~~/non  
Rear: ~~yes~~/no

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

AR: ~~oui~~/non  
Rear: ~~yes~~/no

705. Autre type de suspension: Voir photo/dessin en page 15  
Other type of suspension: See photo or drawing on page 15



Marque FORD  
 Make \_\_\_\_\_

Modèle SIERRA RS COSWORTH  
 Model \_\_\_\_\_

N° Homol. A-5323

**707. Amortisseurs:**

**Shock Absorbers:**

- a) Nombre par roue  
Number per wheel
- b) Type  
Type
- c) Principe de fonctionnement  
Working principle

Avant / Front	Arrière / Rear
1	1
telescopic	telescopic
hydraulic	hydraulic

**8. TRAIN ROULANT / RUNNING GEAR:**

801. Roues: a) Diamètre AV AR  
 Wheels: Diameter Front 15 "/ 381 mm Rear 15 "/ 381 mm

803. Freins: a) Système de freinage  
 Brakes: Braking system double circuit hydraulic

b) Nombre de maître-cylindres  
 Number of master cylinders 1 tandem

b1) Alésage  
 Bore 23,8/23,8 mm

c) Servo-frein  
 Power assisted brakes oui

c1) Marque et type  
 Make and type Ford-Teves-Bendix-Girling

d) Régulateur de freinage  
 Braking adjuster oui

d1) Emplacement  
 Location engine compartment

e) Nombre de cylindres par roue:  
 Number of cylinders per wheel:

e1) Alésage  
 Bore

f) Freins à tambours:

Drum brakes:

f1) Diamètre intérieur

Interior diameter

f2) Nombre de mâchoires par roue.

Number of shoes per wheel

f3) Surface de freinage

Braking surface

f4) Largeur des garnitures

Width of the shoes

g) Freins à disques:

Disc brakes:

g1) Nombres de sabots par roue

Number of pads per wheel

g2) Nombre d'étriers par roue

Number of calipers per wheel

Avant / Front	Arrière / Rear
4	1
40 mm	42.8 mm
mm (± 1,5 mm)	mm (± 1,5 mm)
cm <sup>2</sup>	cm <sup>2</sup>
mm	mm
2	2
1	1





Marque FORD  
 Make \_\_\_\_\_

Modèle SIERRA RS COSWORTH  
 Model \_\_\_\_\_

**A-5323**  
 N° Homol. \_\_\_\_\_

	AV / Front	AR / Rear
g3) Matériau des étriers Caliper material	<u>cast iron alloy</u>	<u>cast iron alloy</u>
g4) Epaisseur maximale du disque Maximum disc thickness	<u>24.5</u> mm	<u>10.5 +/- 1</u> mm
g5) Diamètre extérieur du disque Exterior diameter of the disc	<u>283.5</u> mm (± 1 mm)	<u>271</u> mm (± 1 mm)
g6) Diamètre extérieur de frottement des sabots Exterior diameter of the shoe's rubbing surface	<u>282 +/- 1</u> mm	<u>271 +/- 1</u> mm
g7) Diamètre intérieur de frottement des sabots Interior diameter of the shoe's rubbing surface	<u>167 +/- 1.5</u> mm	<u>197 +/- 2</u> mm
g8) Longueur hors-tout des sabots Overall length of the shoes	<u>98.7</u> mm	<u>88</u> mm
g9) Disques ventilés Ventilated disc	oui, yes	non no
g10) Surface de freinage par roue Braking surface per wheel	<u>811.08</u> cm <sup>2</sup>	<u>544</u> cm <sup>2</sup>

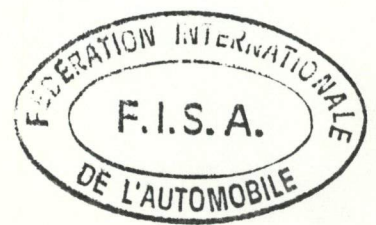
h) Frein de stationnement: Parking brake: \_\_\_\_\_  
 h2) Emplacement de la commande Location of the lever central on floor  
 h1) Système de commande Command system cable  
 h3) Effet sur roues On which wheels AV AR Front Rear \_\_\_\_\_

804. Direction: a) Type rack and pinion  
 Steering: Type \_\_\_\_\_  
 b) Rapport Ratio 15.4  
 c) Servo-assistance oui  
 Power assisted yes.

**J. CARROSSERIE / BODYWORK**

901. Intérieur: a) Ventilation oui.  
 Interior: Ventilation yes.  
 b) Chauffage oui.  
 Heating yes.  
 f) Toit ouvrant optionnel oui  
 Sun roof optional yes  
 f1) Type steel sliding and lift roof(optional)  
 f2) Système de commande  
 Command system hand crank  
 g) Système d'ouverture des vitres latérales: AV/Front: hand crank  
 Opening system for the side windows: AR/Rear: pivot

902. Extérieur: a) Nombre de portes 2  
 Exterior: Number of doors \_\_\_\_\_  
 b) Hayon AR oui.  
 Rear tailgate yes.  
 c) Matériau des portières: AV/Front: mild steel sheet  
 Door material: AR/Rear: \_\_\_\_\_



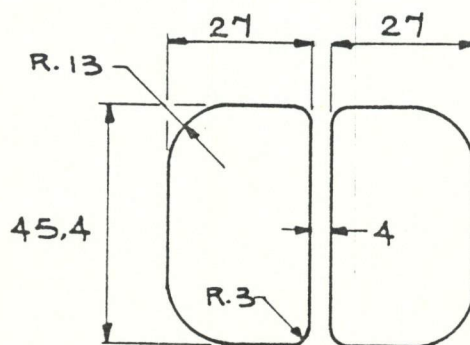
- d) Matériau du capot AV  
Front bonnet material Mild steel sheet
- e) Matériau du capot/hayon AR  
Rear bonnet / tailgate material Mild steel sheet and plastic/rubber spoiler
- f) Matériau de la carrosserie  
Bodywork material Mild steel sheet with plastic mouldings
- g) Matériau du pare-brise  
Windscreen material Laminated glass
- h) Matériau de la lunette AR  
Rear window material Safety glass
- i) Matériau des glaces de custode  
Rear quarter lights material Safety glass
- k) Matériau des vitres latérales  
Side window material AV / Front safety glass  
AR / Rear safety glass
- l) Matériau du pare-choc avant  
Material of the front bumper Plastic with aluminium support
- m) Matériau du pare-choc arrière  
Material of the rear bumper Plastic with sheet moulding compound support.

INFORMATIONS COMPLEMENTAIRES

COMPLEMENTARY INFORMATION

- 327c; 328d Valve angle to vertical = 22°30'
- 327e; 328f Production reclaim may require valve guides to be 0.1 or 0.5mm oversize with consequent increase in valve stem diameter - the customer has no choice.
- 605b 2.92 3.14 3.36 3.85 4.08 4.63 5.11
- 605c 35:12 47:15 47:14 50:13 53:13 51:11 46.9
- 313 Repair sleeve only. 313c dry liner
- 319 f Production reclaim may require main journal diameter to be 0.25, 0.5 or 0.75mm smaller than quoted. The customer having no choice.

Dimension of exhaust manifold outlet (Photo J)



Tolerance +/- 2mm



Marque  
Make

FORD

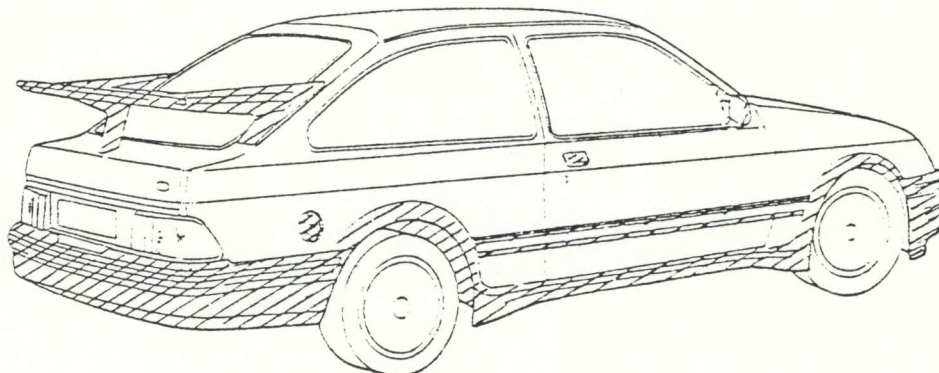
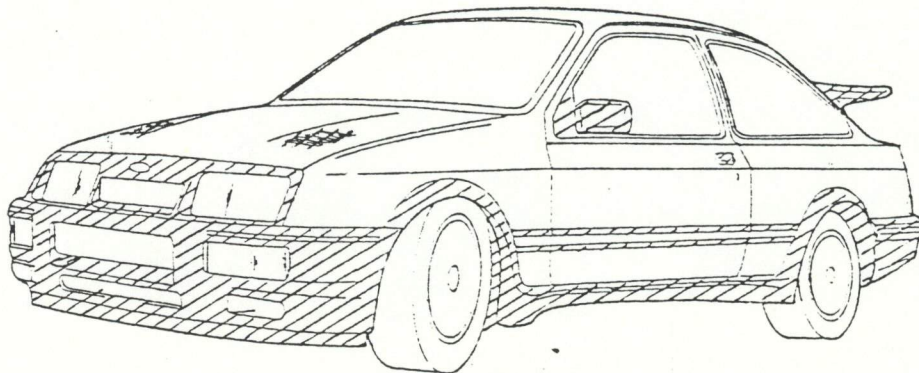
Modèle

Model SIERRA R S COSWORTH

N° Homol.

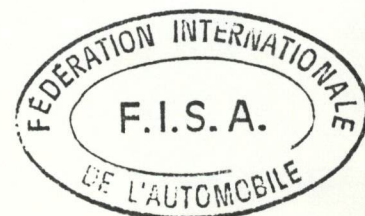
A-5323

CLARIFICATION OF NON METAL PANELS AND FITTINGS ON EXTERIOR OF SIERRA R S COSWORTH CAR.



SHADED AREAS ON CAR INDICATED PLASTIC OR RUBBER MOULDINGS.

10 B



103

Marque  
Make FORD

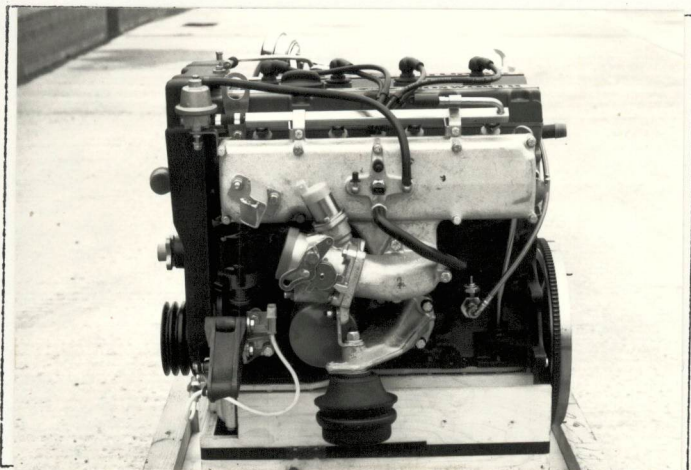
Modèle  
Model Sierra R S Cosworth N° Homol. \_\_\_\_\_

**A-5323**

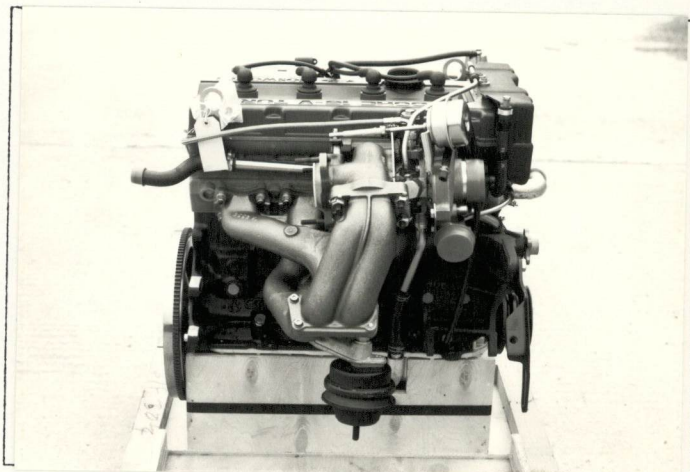
**PHOTOS / PHOTOS**

**Moteur / Engine**

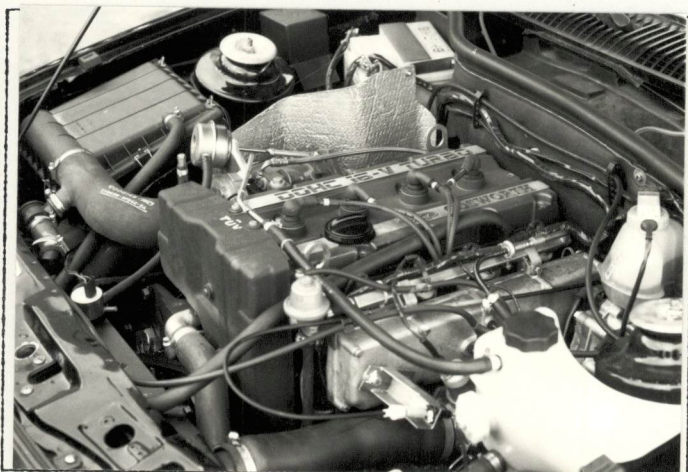
C) Profil droit du moteur déposé  
Right hand view of dismantled engine



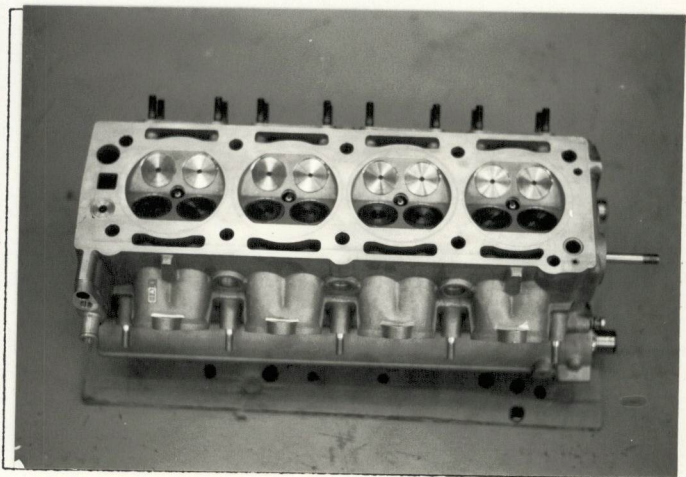
D) Profil gauche du moteur déposé  
Left hand view of dismantled engine



E) Moteur dans son compartiment  
Engine in its compartment



F) Culasse nue  
Bare cylinderhead

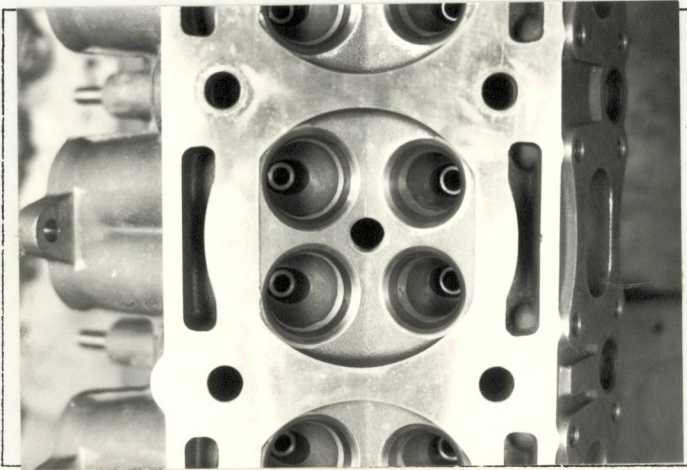


Marque  
Make Ford

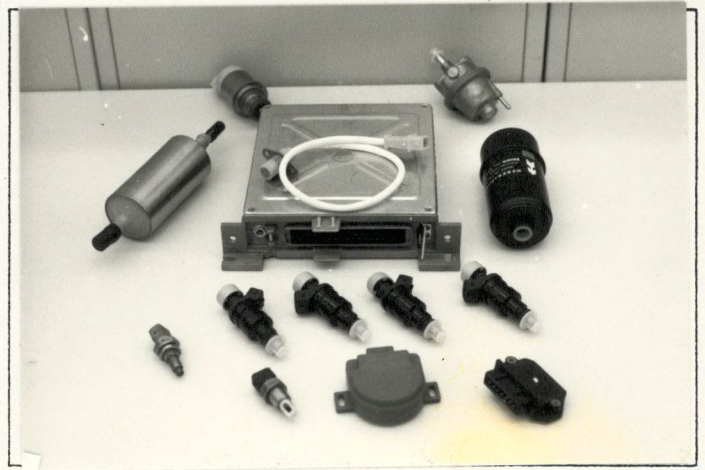
Modèle  
Model Sierra R S Cosworth

N° Homol. A-5323

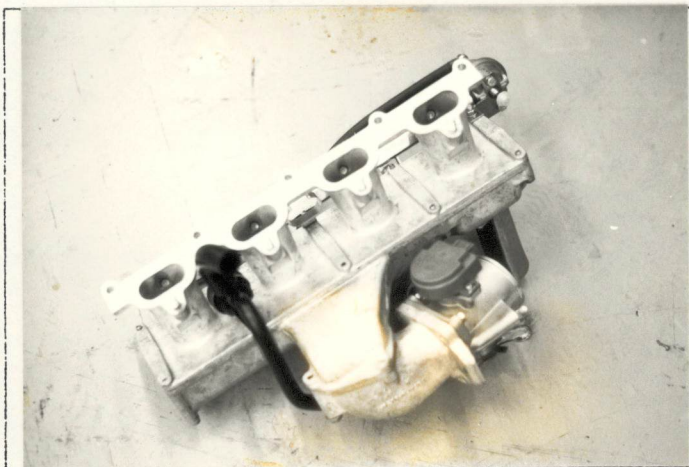
G) Chambre de combustion  
Combustion chamber



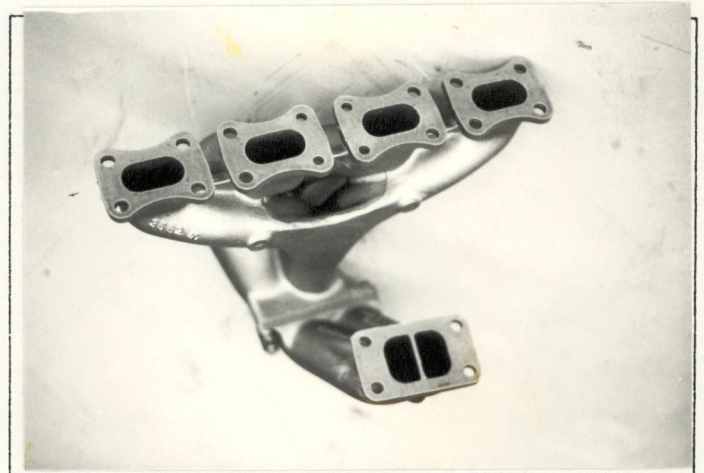
H) Carburateur(s) ou système d'injection  
Carburetor(s) or injection system



I) Collecteur d'admission  
Inlet manifold

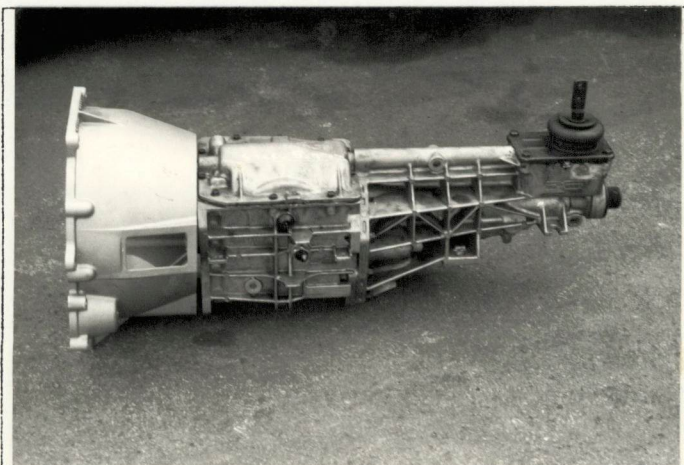


J) Collecteur d'échappement  
Exhaust manifold



**Transmission / Transmission**

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



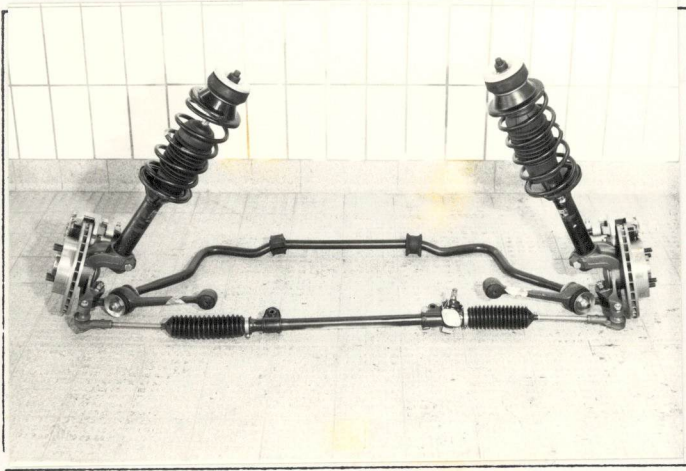
Marque Ford  
Make \_\_\_\_\_

Modèle Sierra R S Cosworth  
Model \_\_\_\_\_

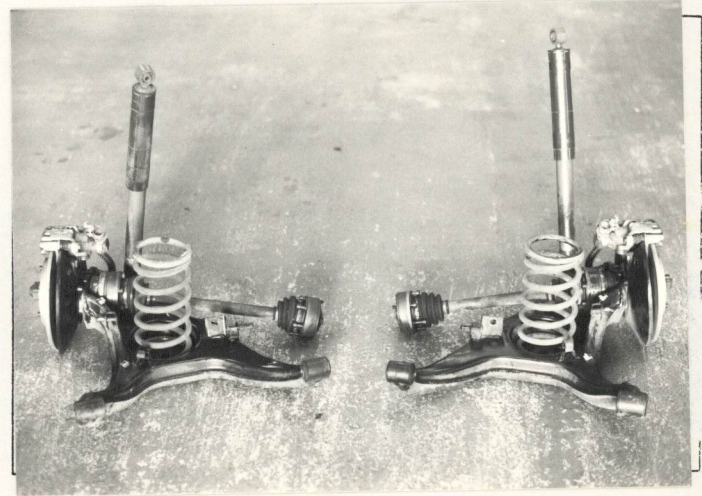
N° Homol. A-5323

**Suspension / Suspension**

T) Train avant complet déposé  
Complete dismantled front running gear

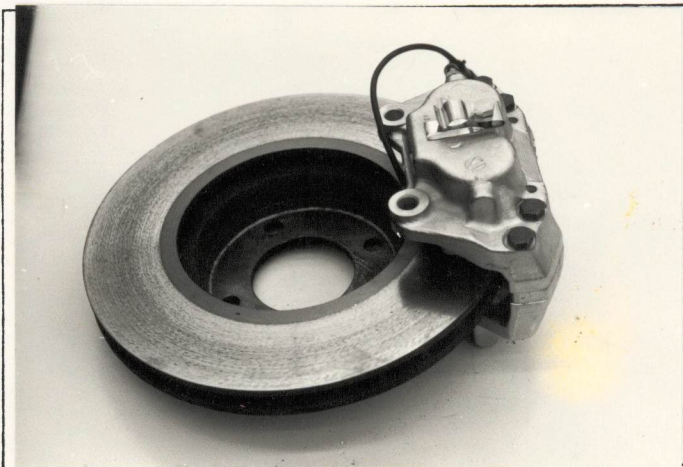


U) Train arrière complet déposé  
Complete dismantled rear running gear

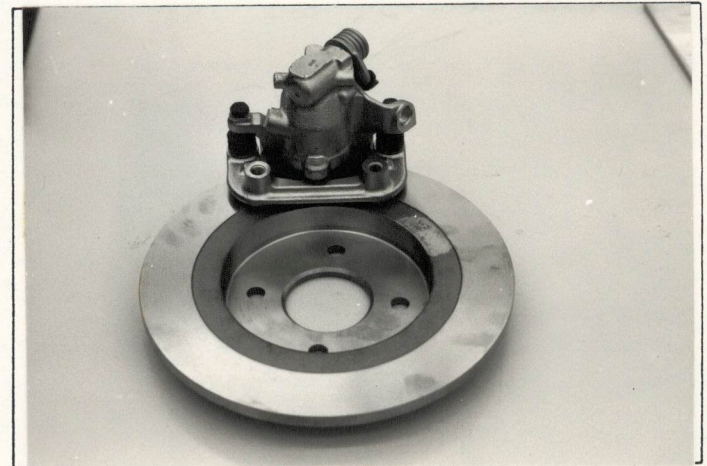


**Train roulant / Running gear**

V) Freins avant  
Front brakes



W) Freins arrière  
Rear brakes



**Carrosserie / Bodywork**

X) Tableau de bord  
Dashboard



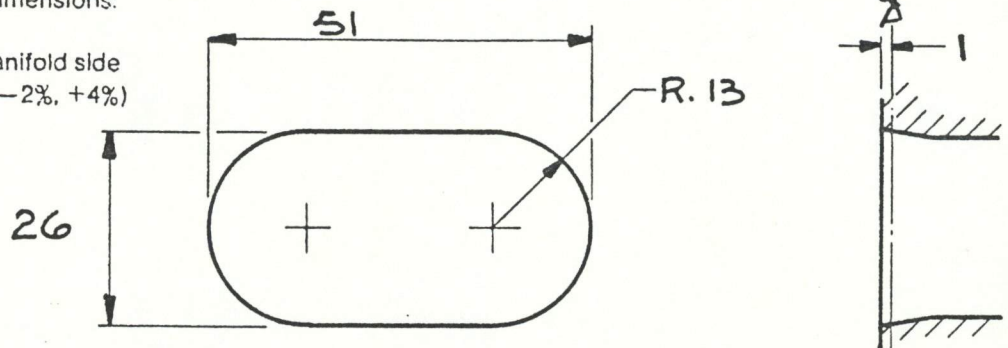
Y) Toit ouvrant  
Sunroof



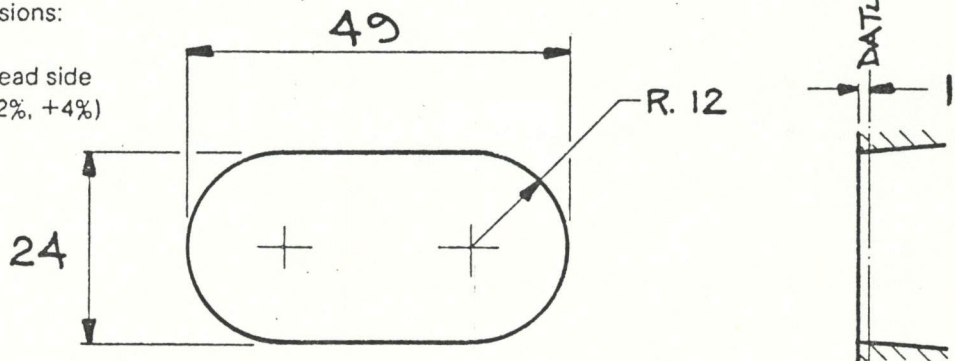
DESSINS / DRAWINGS

Moteur / Engine

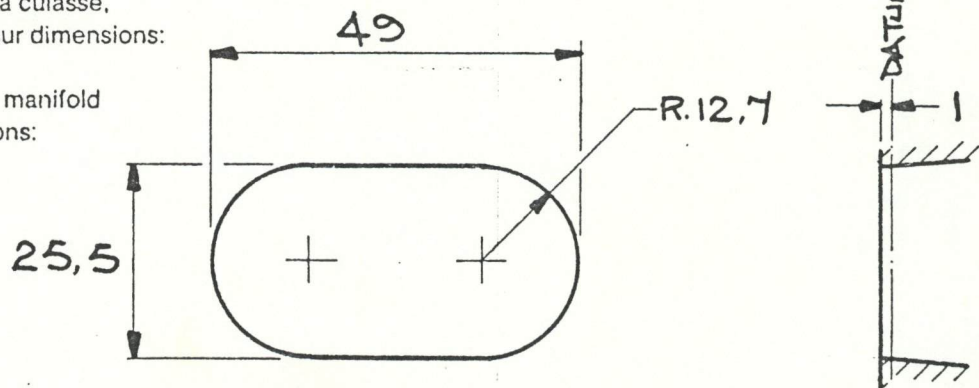
- I Orifices d'admission de la culasse, face collecteur (tolérances sur dimensions: -2%, +4%)  
Cylinderhead inlet ports, manifold side (tolerances on dimensions: -2%, +4%)



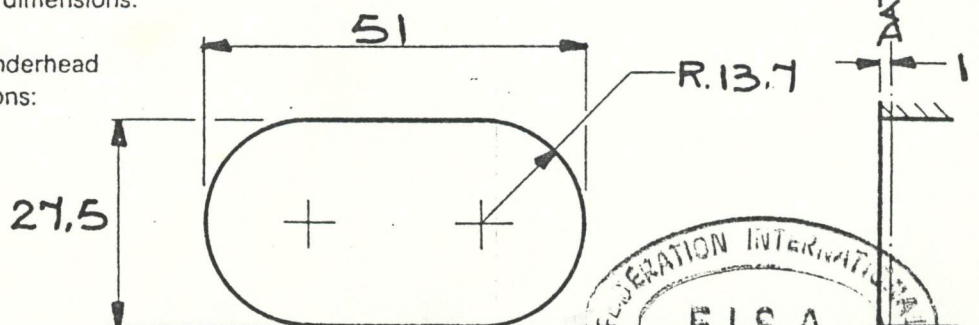
- II Orifices du collecteur d'admission, côté culasse (tolérances sur dimensions: -2%, +4%)  
Inlet manifold ports, cylinderhead side (tolerances on dimensions: -2%, +4%)



- 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%)



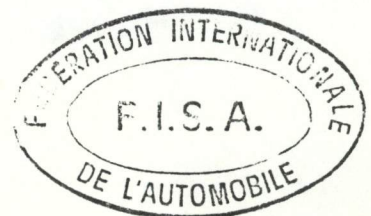
Marque FORD  
Make

Modèle SIERRA RS COSWORTH  
Model

N° Homol. A-5323

**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.







# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

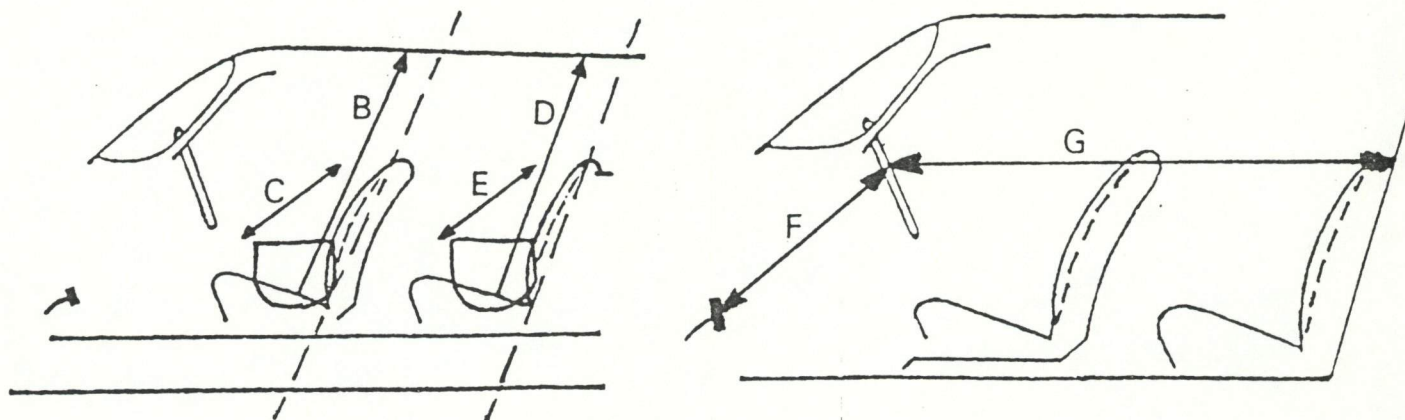
Homologation N°

**A-5323**

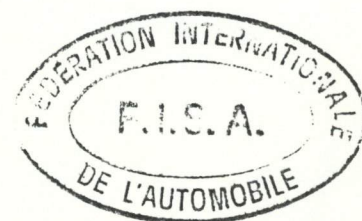
Groupe **A/B**  
Group

Marque FORD Modèle SIERRA RS COSWORTH  
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) 1060 mm
- C (Largeur aux sièges avant)  
(Width at front seats) 1270 mm
- D (Hauteur sur sièges arrière)  
(Height above rear seats) 970 mm
- E (Largeur aux sièges arrière)  
(Width at rear seats) 1360 mm
- F (Volant — Pédale de frein)  
(Steering wheel — brake pedal) 630 mm
- G (Volant — paroi de séparation arrière)  
(Steering wheel — rear bulkhead) 1630 mm
- H = F+G = 2260 mm





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

**A-5323**

Groupe **A/B**  
Group

## FICHE D'HOMOLOGATION ADDITIONNELLE POUR MOTEURS SURALIMENTÉS PAR TURBOCOMPRESSEUR(S) ADDITIONAL HOMOLOGATION FORM FOR TURBO CHARGED ENGINES

Véhicule : Constructeur FORD Modèle et type SIERRA RS COSWORTH  
Vehicle : Manufacturer FORD Model and type SIERRA RS COSWORTH

Homologation valable à partir du \_\_\_\_\_ en groupe B  
Homologation valid as from \_\_\_\_\_ in group B

334. Suralimentation a) Marque et type du turbo compresseur GARRETT T03B  
Turbocharging Make and type of the turbocharger

b) Carter de turbine : b1) Nombre d'entrées des gaz d'échappement 1  
Turbine housing : Number of exhaust gas entries

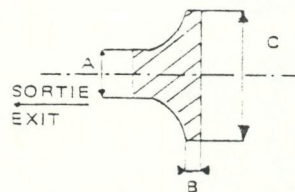
b2) Matériau IRON ALLOY  
Material

c) Roue de turbine : c1) Matériau INCONEL  
Turbine wheel : Material

c2) Nombre d'aubes 11 c3) Hauteur(s) d'une aube 16.7 + 0.3 - 0.2 mm  
Number of blades Height(s) of blade

c4) Préciser les cotes A,B,C, selon le schéma suivant :  
Indicate the dimensions A, B, C, according the following sketch :

A = 48.7 +/- 0.1 mm  
B = 11.8 + 0.3 - 0.15 mm  
C = 58.9 + 0.25 mm



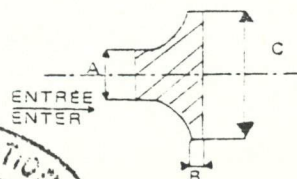
d) Carter de compression : d1) Nombre d'entrée d'air (mélange) 1  
Impeller housing : Number of air entries (gas)

d2) Matériau LIGHT ALLOY  
Material

e) Roue de compression e2) Nombre d'aubes 12 e3) Hauteur(s) d'une aube 13.5 & 14.7 + 0.15 - 0.10 mm  
Impeller wheel : Number of blades Height(s) of blade

e4) Préciser les cotes A, B, C selon le schéma suivant :  
Indicate the dimensions A, B, C, according to the following sketch,

A = 45 +/- 0.4 mm  
B = 6.34 + 0.15 - 0.10 mm  
C = 60.5 + 0.15 - 0.30 mm



Marque FORD  
Make

Modèle SIERRA RS COSWORTH N° Homol. \_\_\_\_\_  
Model

**A-5323**

f) Régulation de la pression :  
Pressure regulation :

f1) Type de régulation de la pression :  by-pass  soupape de décharge  autre cas  
Type of pressure adjustment :  by-pass  relief valve  other case

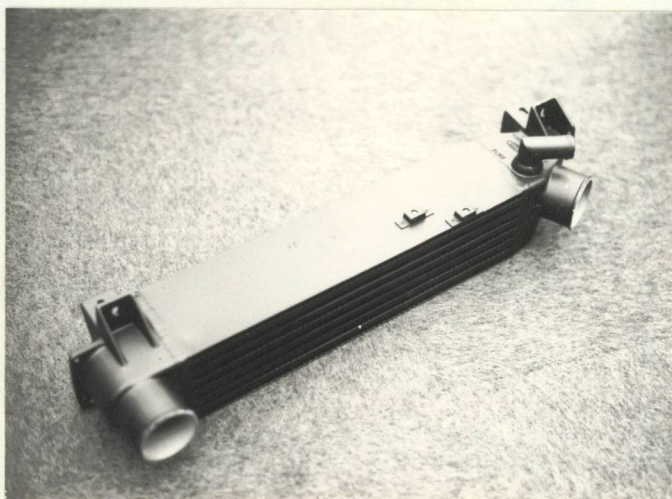
f2) Préciser le type de la soupape et son contrôle Swing valve controlled by spring and diaphragm  
Indicate the type of the valve and its control unit from engine management unit.

g) Système d'échappement :  
Exhaust system :

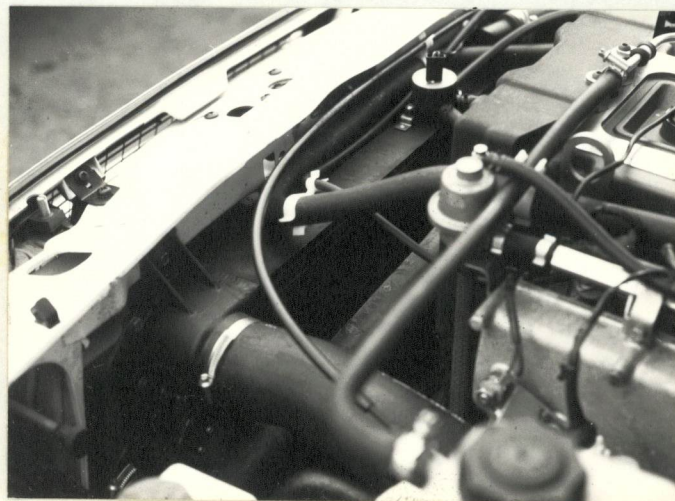
Dimensions intérieures de l'éventuel tuyau d'échappement entre le collecteur d'échappement et le turbocompresseur (dessin)  
Internal dimensions of the eventual exhaust pipes between exhaust manifold and turbocharger (sketch)

Cooling of intake Air:- Yes  
Air diameter, inlet:- 55+/- 2mm  
Air diameter, outlet:- 55+/- 2mm

System:- Air/Air



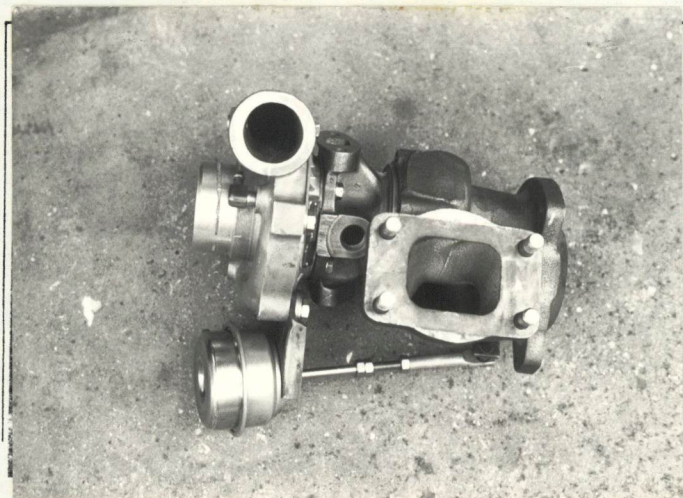
Intercooler



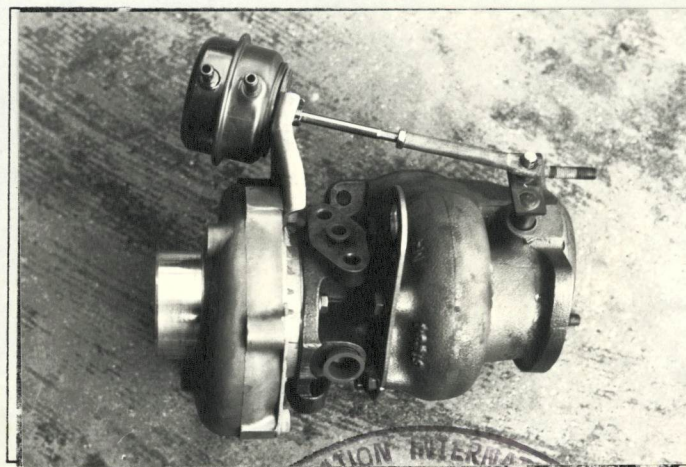
Installed Intercooler

#### PHOTOS

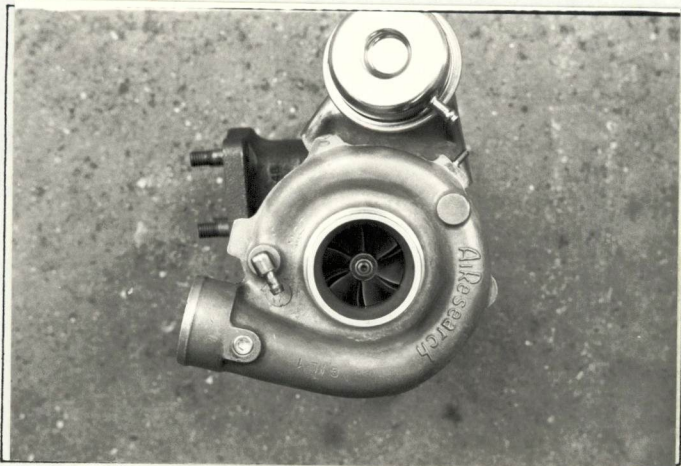
k) Vue de dessus du turbo compresseur  
Plan view of turbocharger



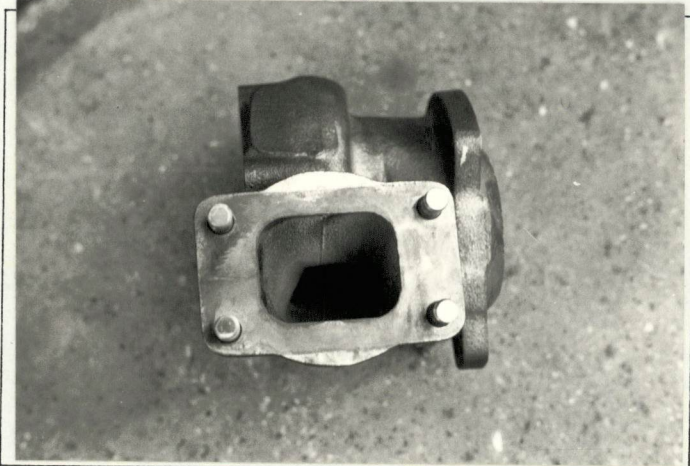
L) Vue de face du turbo compresseur  
Front view of turbocharger



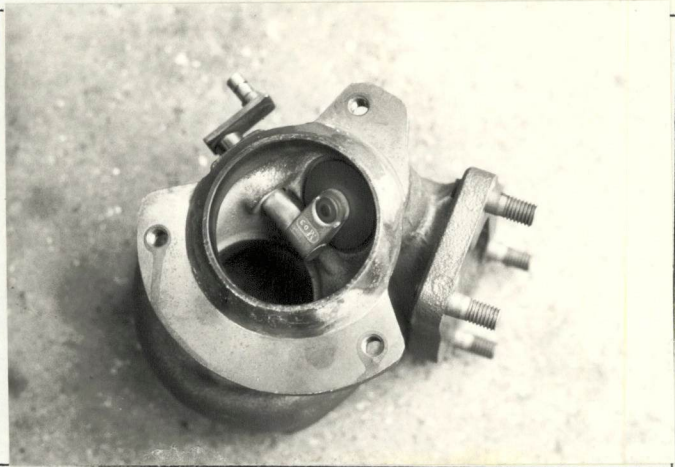
M) Vue de côté du turbocompresseur  
Side view of turbocharger



N) Carter de turbine du turbocompresseur  
Turbine housing of turbocharger



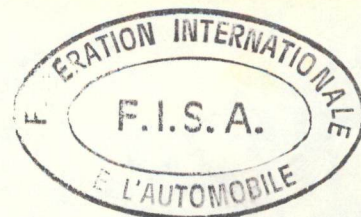
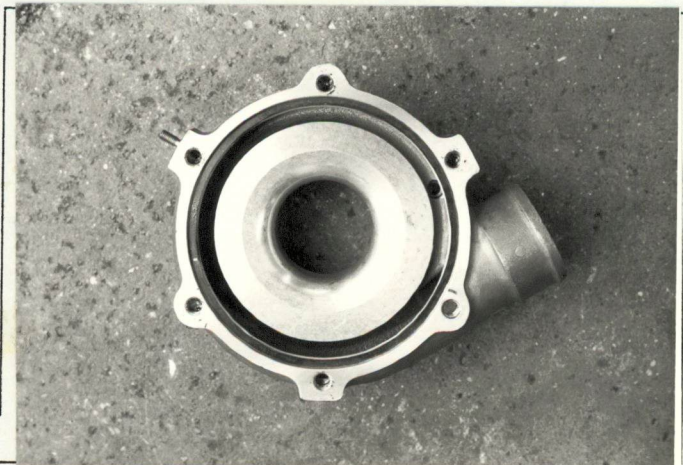
O) Soupape et montage du by-pass du turbocompresseur  
Valve and by-pass installation of turbocharger



P) Eventuel échappement entre le collecteur d'échappement et le turbocompresseur.  
Eventual exhaust pipes between the exhaust manifold and the turbocharger.

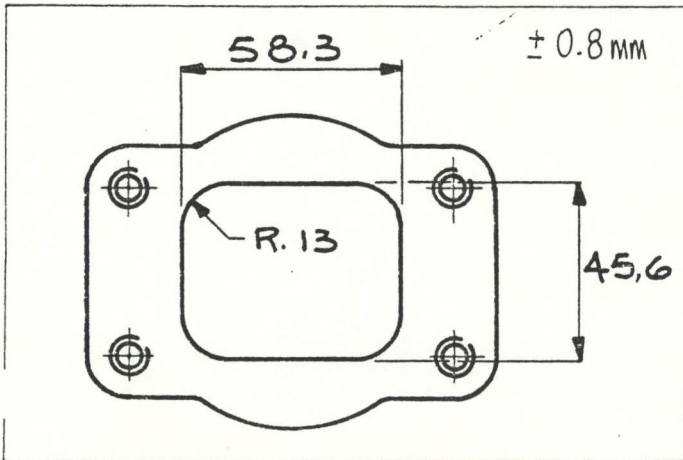
Turbocharger bolted directly to exhaust manifold

Q) Carter de compression du turbocompresseur  
Impeller housing of turbocharger

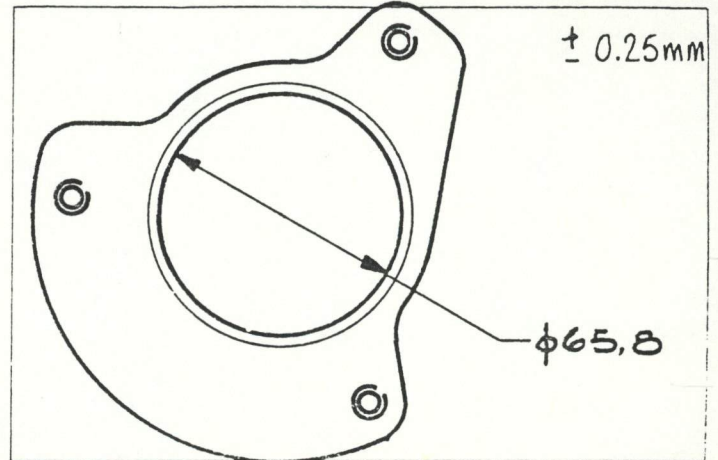


DESSINS / DRAWINGS

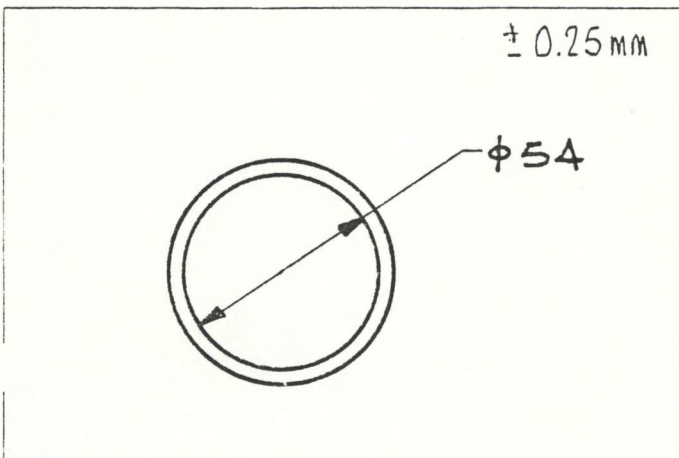
V) Entrée des gaz d'échappement dans le carter de turbine du turbocompresseur  
Exhaust gas entry in the turbine housing of turbocharger.



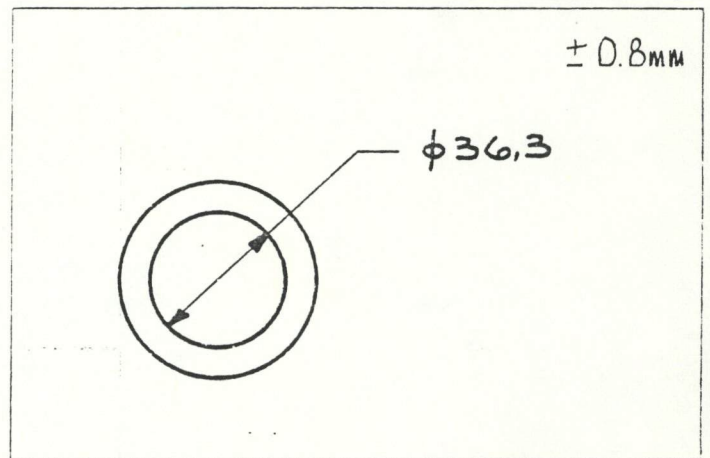
VI) Sortie des gaz d'échappement du carter de turbine de turbocompresseur.  
Exhaust gas exit of the turbine housing of turbocharger.



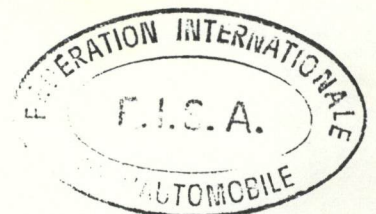
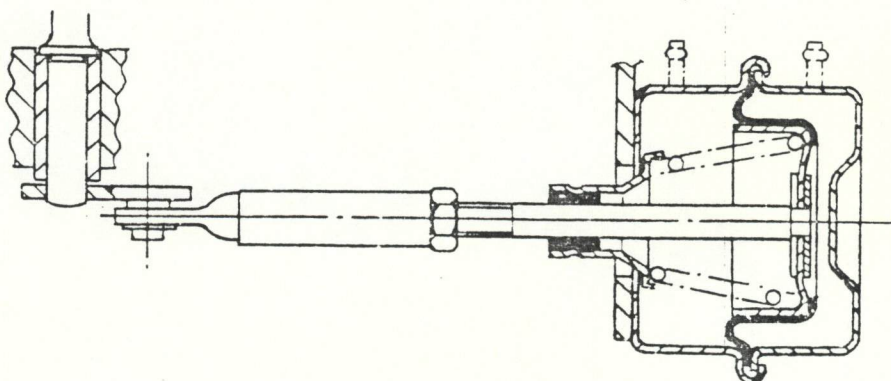
VII) Entrée de l'air (mélange) dans le carter de compression du turbocompresseur.  
Air (gas) entry in the impeller housing of the turbocharger



VIII) Sortie de l'air (mélange) du carter de compression du turbocompresseur.  
Air (gas) exit of the impeller housing of the turbocharger.



IX. Dispositif réglant la pression de suralimentation  
Device regulating the turbocharging pressure.





Marque  
Make

FORD

Modèle  
Model

SIERRA RS COSWORTH

N° Homol.

A-5323

N° Ext.

01-01V0

Page ou ext. Page or ext.	Art. Art.	Description Description	
7	701b	Reinforced rear suspension, interchangeable with original components - Type B	PHOTO 86-9
7	701b	Central wheel fixing - rear	PHOTO 86-11
7	606	Heavy duty rear drive shaft	PHOTO 86-12
7	605	Heavy duty rear axle cover	PHOTO 86-13
7	707	Alternative capacity rear shock absorber with or without co-axial helical spring (spring position changed)	PHOTO (with spring) 86-14
7	705	Separate front anti roll bar - Type A	PHOTO 86-15
7	705	Separate front anti roll bar - Type B	PHOTO 86-16
7	705	Separate rear anti roll bar - Type A	PHOTO 86-17
7	705	Separate rear anti roll bar - Type B	PHOTO 86-18
8	803	Alternative dual cylinder brake pedal box with adjustment possible from cockpit (replaces existing pedal box assembly) Type A	PHOTO 86-19
8	803	Alternative dual cylinder brake pedal box with adjustment possible from cockpit (replaces existing pedal box assembly) TYPE B	PHOTO 86-20
8	803b1	Cylinder sizes = 15.8mm dia to 25.4mm dia	
8	803d	Hydraulic pressure limiting valve, adjustable for either brake circuit.	PHOTO 86-21



Page / \_\_\_\_\_

Marque  
Make

FORD

Modèle  
Model

SIERRA RS COSWORTH

N° Homol.

A-5323

01-01VO

N° Ext.

Page ou ext. Page or ext.	Art. Art.	Description Description			
FRONT BRAKES					
8	803e 803g1 803g3	4 2 aluminium alloy	803e1 803g2 803g8	33.9 or 42.8mm 1 96± 2mm	PHOTO 86-22
8	803e 803g1 803g3	4 2 aluminium alloy	803e1 803g2 803g8	42.8mm 1 129± 1.5mm	PHOTO 86-23
8	803e 803g1 803g3	4 2 aluminium alloy	803e1 803g2 803g8	44.5mm 1 128 ± 1.5mm	PHOTO 86-24
8	803e 803g1 803g3	1 2 steel	803e1 803g2 803g8	53.5mm 1 105± 1.5mm	PHOTO 86-25
8	803e 803g1 803g3	4 2 aluminium alloy	803e1 803g2 803g8	2 x 41.3 & 2 x 38.1 1 131.1± 1.5mm	PHOTO 86-26
8	803e 803g1 803g3	4 2 aluminium alloy	803e1 803g2 803g8	44.5mm 1 125± 1.5mm	PHOTO 86-27
9	803g4 803g6 803g9	29 <sup>±</sup> 1mm 327 <sup>±</sup> 1.5mm ventilated	803g5 803g7 803g10	330 <sup>±</sup> 1 mm 194mm (min) 1088.4 cm <sup>2</sup> (NB swept area may be less depending upon caliper used)	PHOTO 86-28
9	803g4 803g6 803g9	31.75 <sup>±</sup> 1mm 328 <sup>±</sup> 1.5mm ventilated	803g5 803g7 803g10	330 <sup>±</sup> 1mm 194mm (min) 1098.8 cm <sup>2</sup> (NB swept are may be less depending upon caliper used)	PHOTO 86-29





Marque  
Make

FORD

Modèle  
Model

SIERRA RS COSWORTH

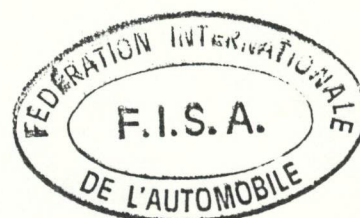
N° Homol.

A-5323

N° Ext.

01-01V0

Page ou ext. Page or ext.	Art. Art.	Description Description			
9	803g4 803g6 803g9	25 <sup>±</sup> 1mm 302 <sup>±</sup> 1.5mm ventilated	803g5 803g7 803g10	304 <sup>±</sup> 1mm 193mm (min) 847.5 cm <sup>2</sup> (NB swept area may be less depending on caliper used)	PHOTO 86-30
9	803g4 803g6 803g9	29 <sup>±</sup> 1mm 328 <sup>±</sup> 1.5mm ventilated	803g5 803g7 803g10	330 <sup>±</sup> 1mm 194 (min) 1098.7 cm <sup>2</sup> (NB swept area may be less depending on caliper used)	PHOTO 86-31
REAR BRAKES					
8	803e 803g1 803g3	4 2 aluminium alloy	803e1 803g2 803g8	38.1mm 1 125 <sup>±</sup> 1.5mm	PHOTO 86-32
8	803e 803g1 803g3	1 2 steel	803e1 803g2 803g8	38.1mm 1 75 <sup>±</sup> 1.5mm	PHOTO 86-33
9	803g4 803g6 803g9	28 <sup>±</sup> 1mm 303 <sup>±</sup> 1.5mm ventilated	803g5 803g7 803g10	304 <sup>±</sup> 1mm 198mm (min) 826.3 cm <sup>2</sup> (NB swept area may be less depending on caliper used)	PHOTO 86-34
9	803g4 803g6 803g9	20.5 <sup>±</sup> 1mm 278 <sup>±</sup> 1.5mm ventilated	803g5 803g7 803g10	280 <sup>±</sup> 1mm 192mm (min) 634.9 cm <sup>2</sup> (NB swept area may be less depending on caliper used)	PHOTO 86-35
9	803g4 803g6 803g9	28 <sup>±</sup> 1mm 298 <sup>±</sup> 1.5mm ventilated	803g5 803g7 803g10	300 <sup>±</sup> 1mm 194mm (min) 803.7cm <sup>2</sup> (NB swept area may be less depending on caliper used)	PHOTO 86-36



Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

N° Homol. A-5323

N° Ext. 01-01VO

Page ou ext. Page or ext.	Art. Art.	Description Description	
		NB All discs may be cross drilled for extra water dissipation	
9	804	Heavy duty steering column	PHOTO 86-37
9	804	Heavy duty steering rod with ball joint	PHOTO 86-38
9	804	Alternative steering ratio (for power and non-power racks) Nom. ratio = 17.0 (cam gear = 17.14; ZF = 16.8)	
8	707	Eccentric top mount for front suspension	PHOTO 86-39
9	803 h	Hydraulic hand brake	PHOTO 85-41



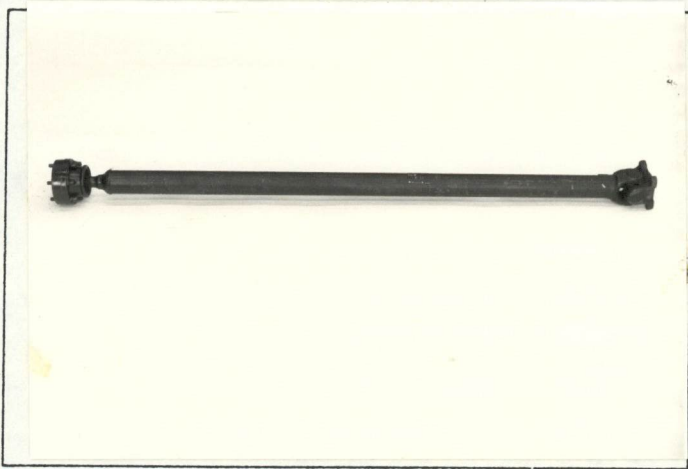
Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

N° Homol. **A-5323**

PHOTOS / PHOTOS

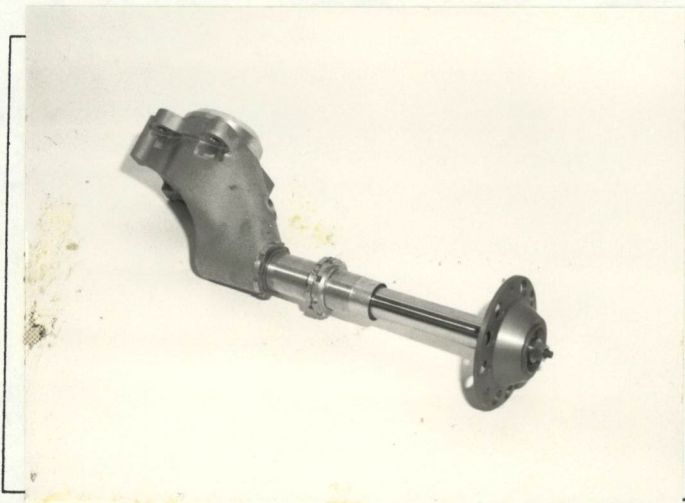
N° Ext. **01-01VO**



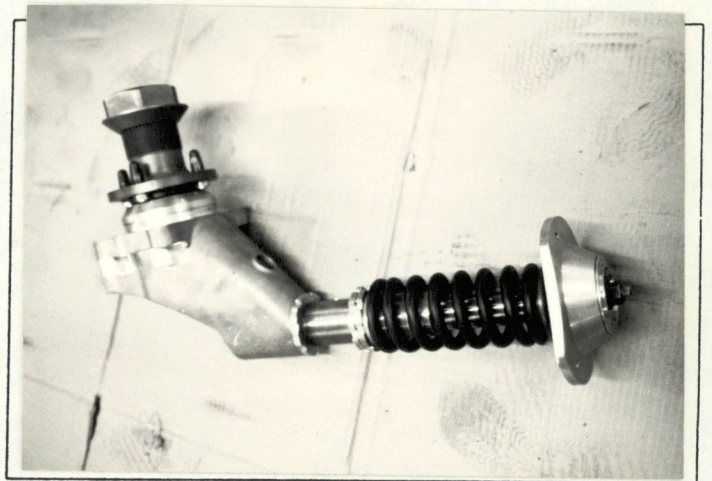
86-1



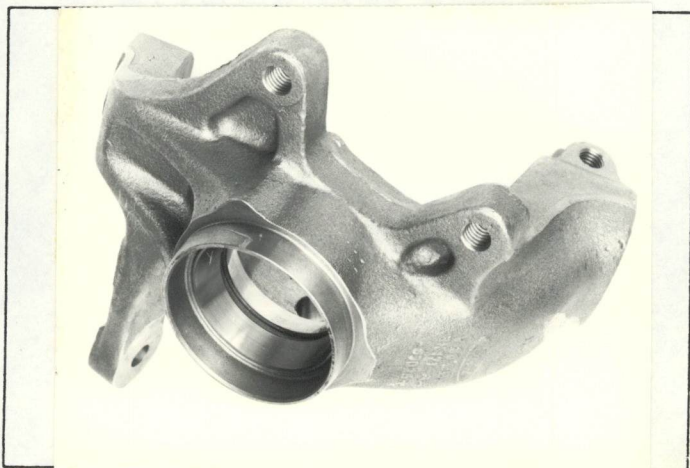
86-2



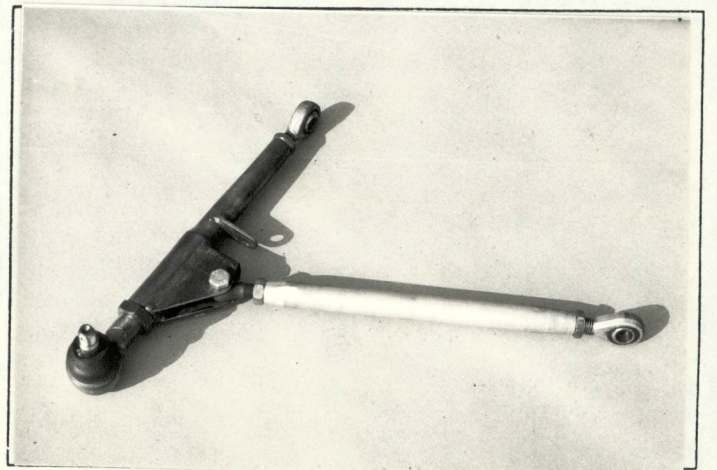
86-3



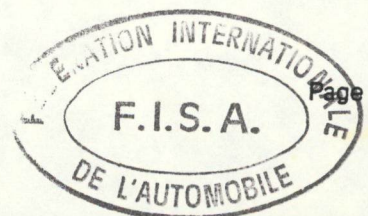
86-4



86-5



86-6



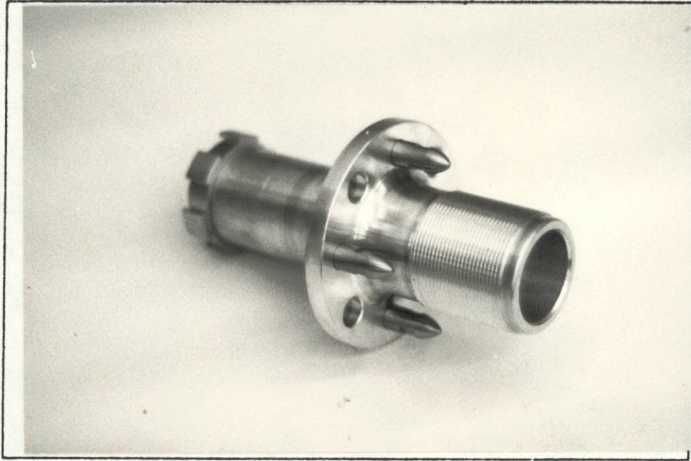
Marque FORD  
Make

Modèle SIERRA RS COSWORTH  
Model

N° Homol. A-5323

PHOTOS / PHOTOS

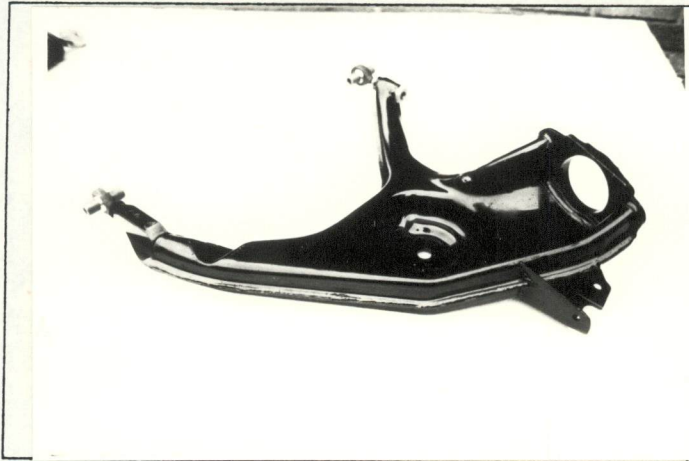
N° Ext. 01-01V0



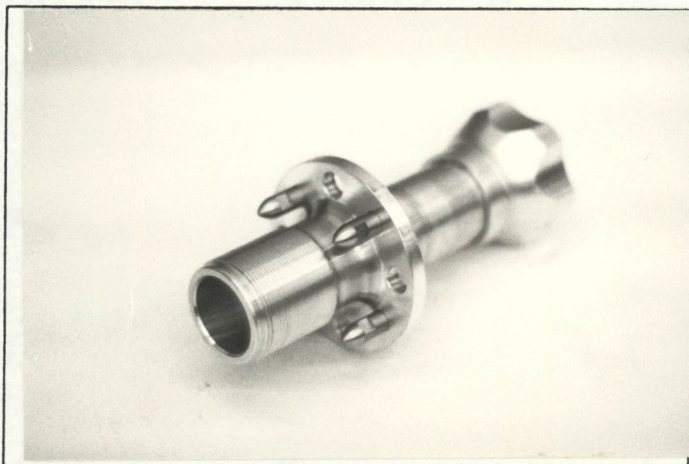
86-7



86-8



86-9



86-11



86-12



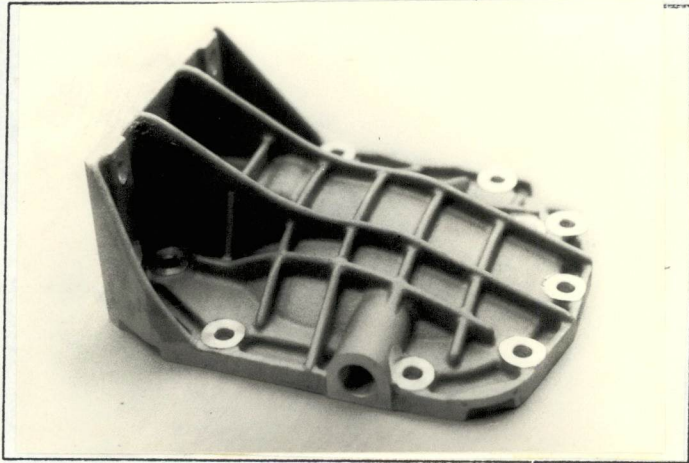
Marque FORD  
Make

Modèle SIERRA RS COSWORTH  
Model

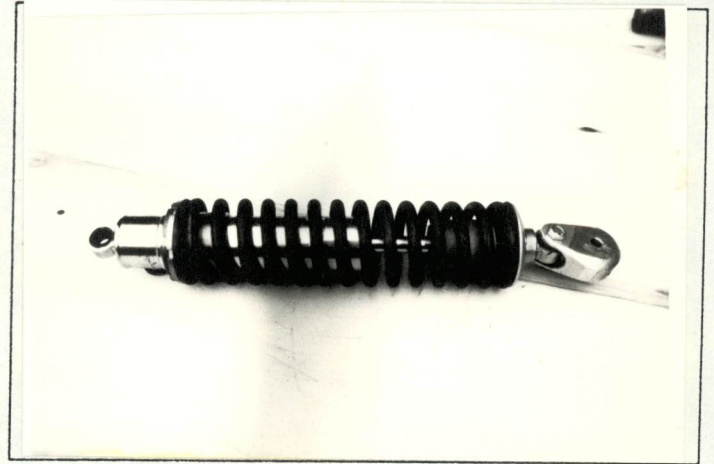
N° Homol. **A-5323**

PHOTOS / PHOTOS

N° Ext. **01-01V0**



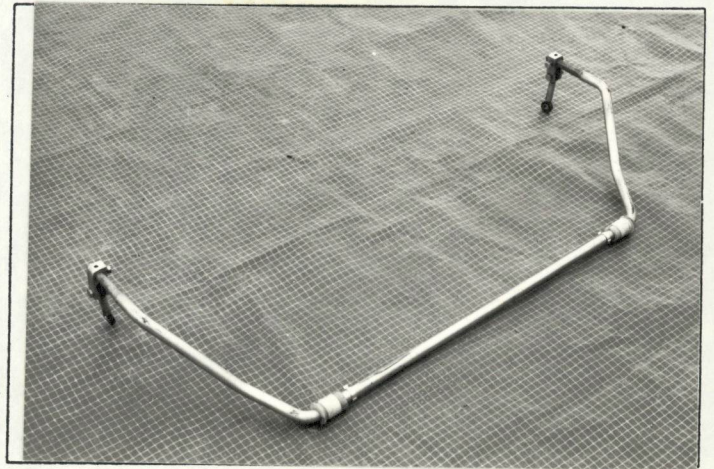
86-13



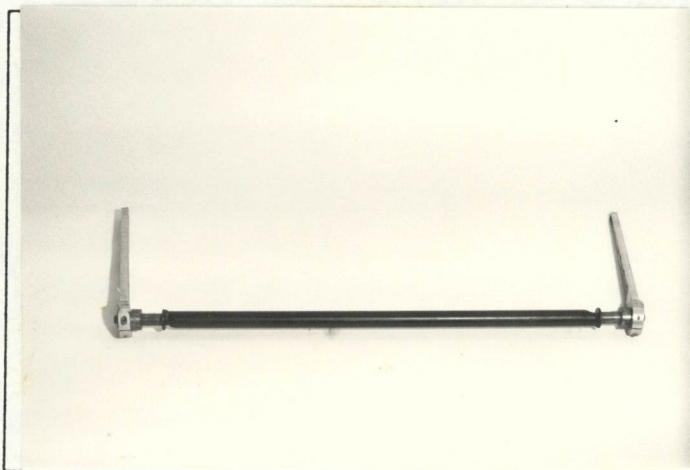
86-14



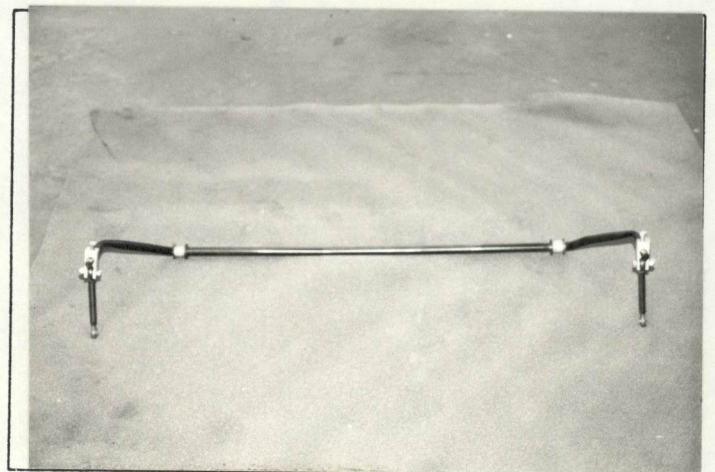
86-15



86-16



86-17



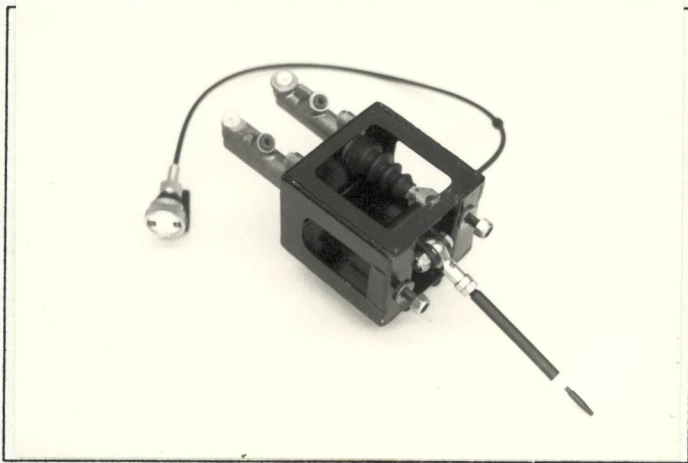
Marque FORD  
Make \_\_\_\_\_

Modèle SIERRA RS COSWORTH  
Model \_\_\_\_\_

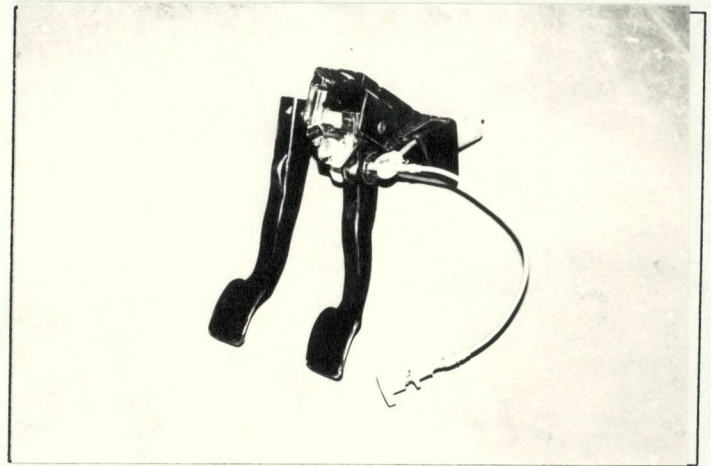
N° Homol. A-5323

PHOTOS / PHOTOS

N° Ext. 01-01V0



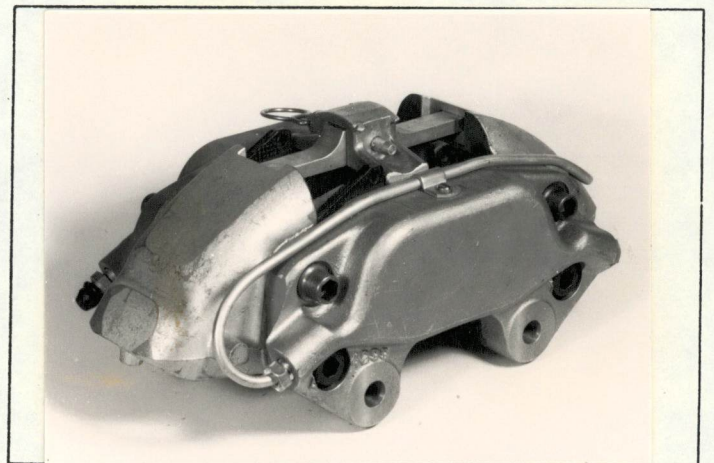
86-19



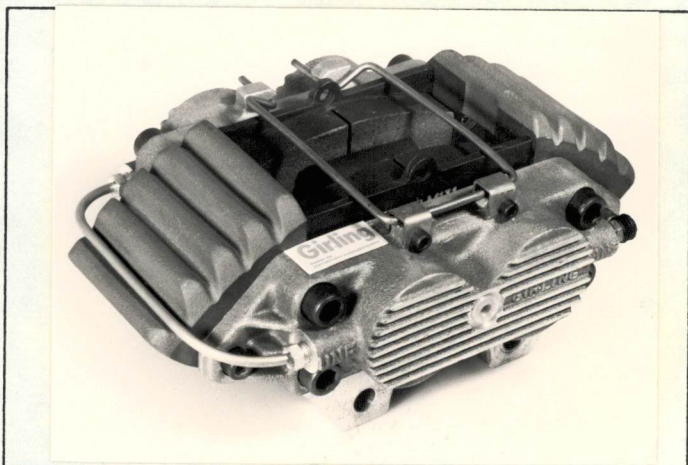
86-20



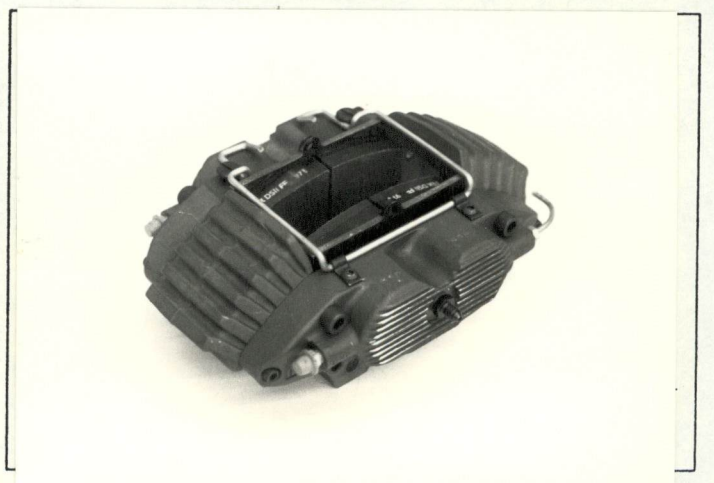
86-21



86-22



86-23



86-24

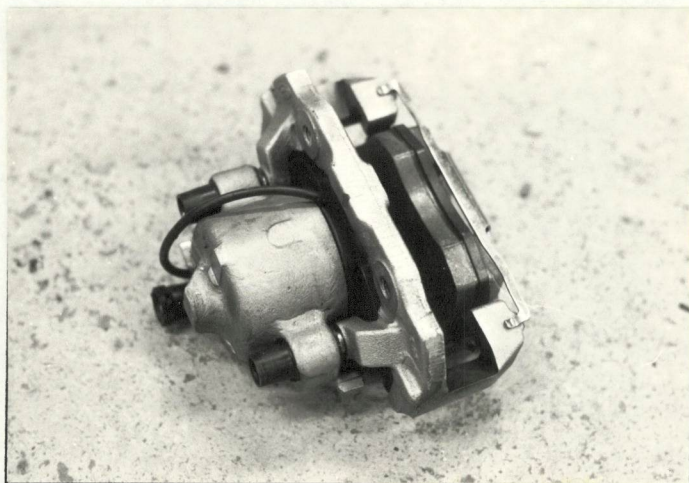
Marque FORD  
Make

Modèle SIERRA RS COSWORTH  
Model

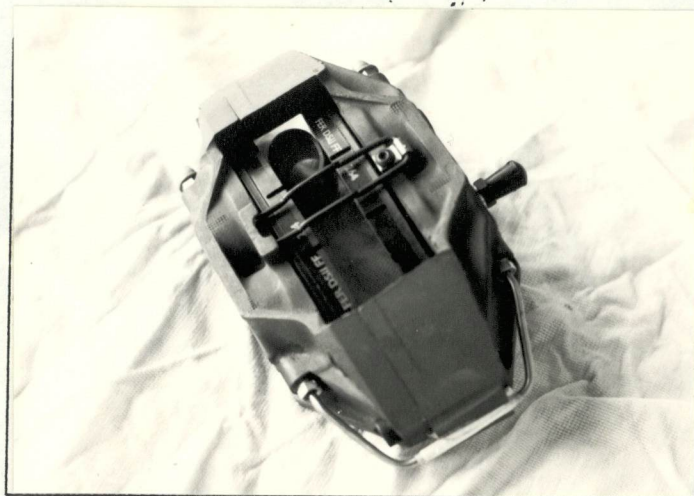
N° Homol. A-5323

PHOTOS / PHOTOS

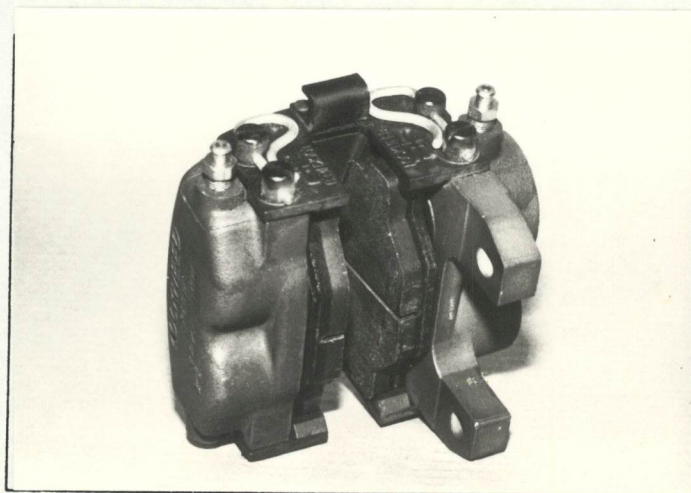
N° Ext. 01-01V0



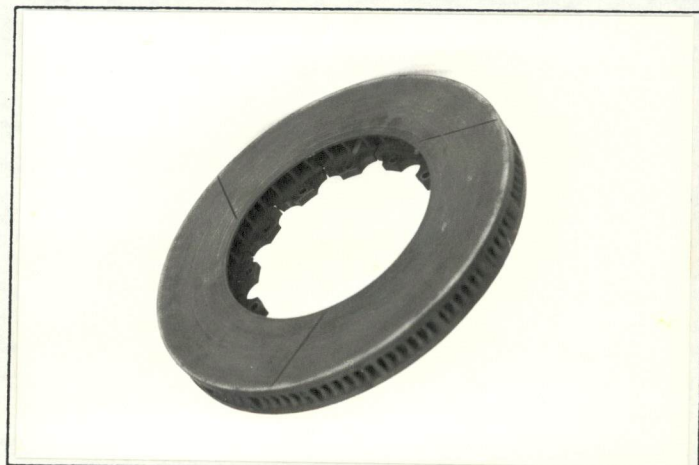
86-25



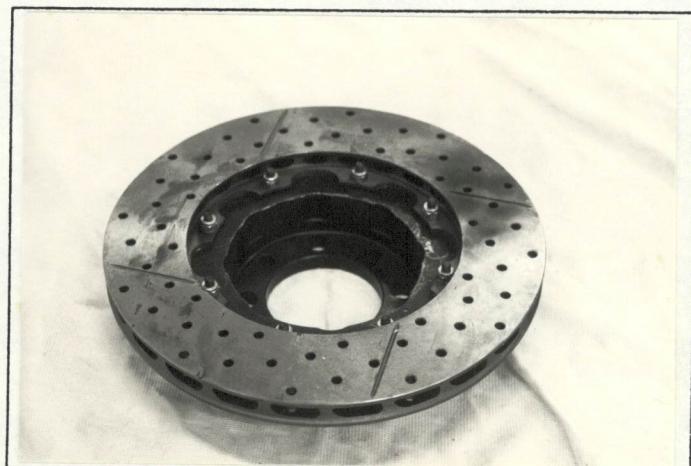
86-26



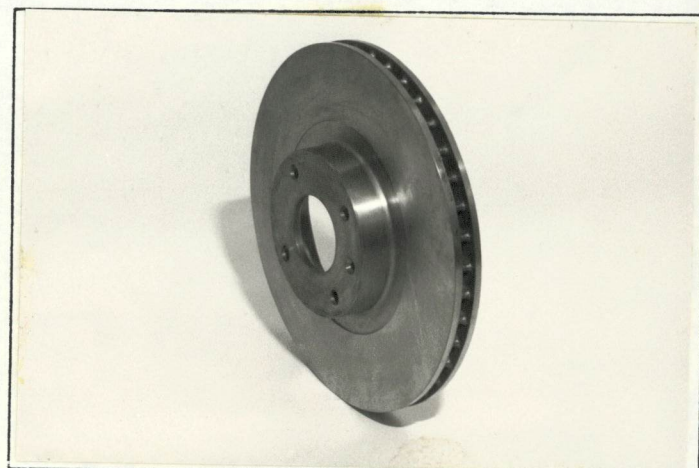
86-27



86-28



86-29



86-30

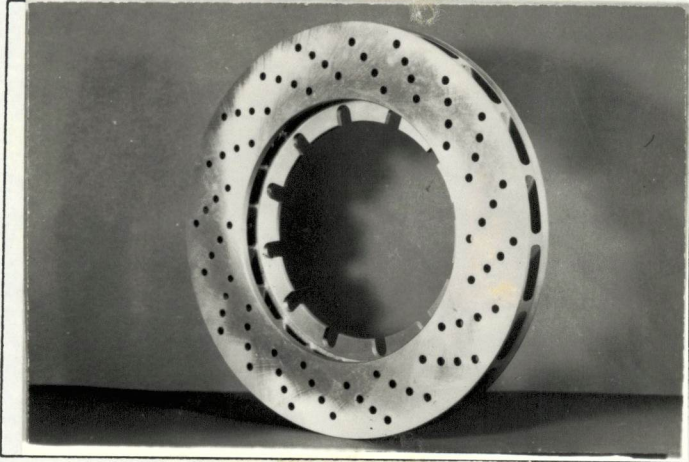
Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

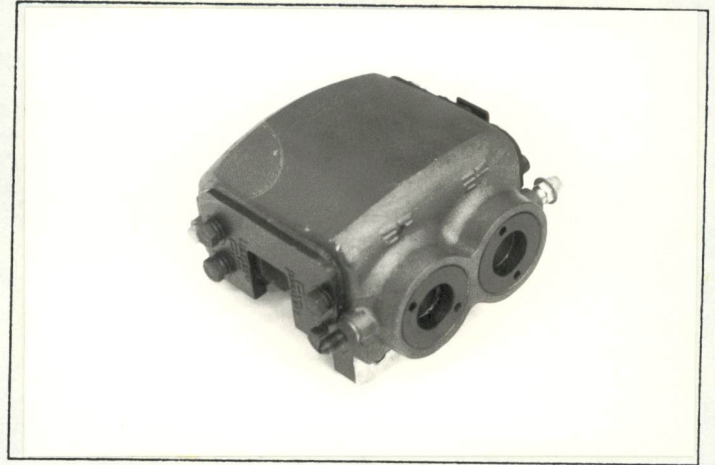
N° Homol. **A-5323**

PHOTOS / PHOTOS

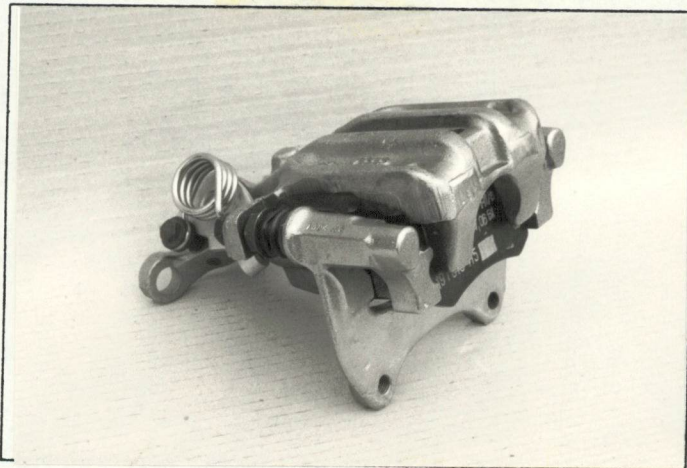
N° Ext. **01-01V0**



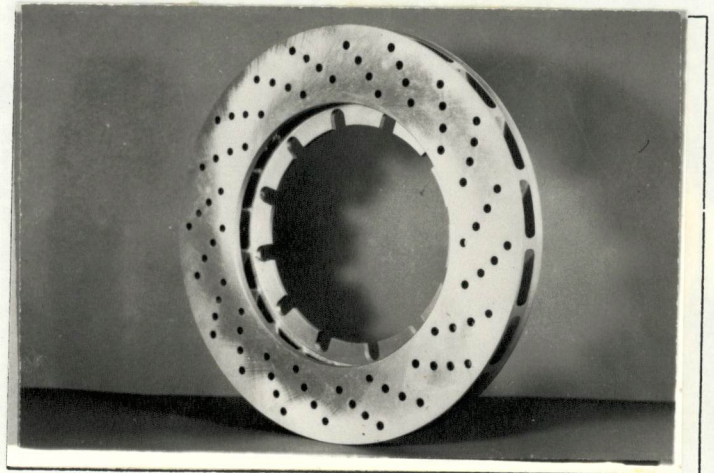
86-31



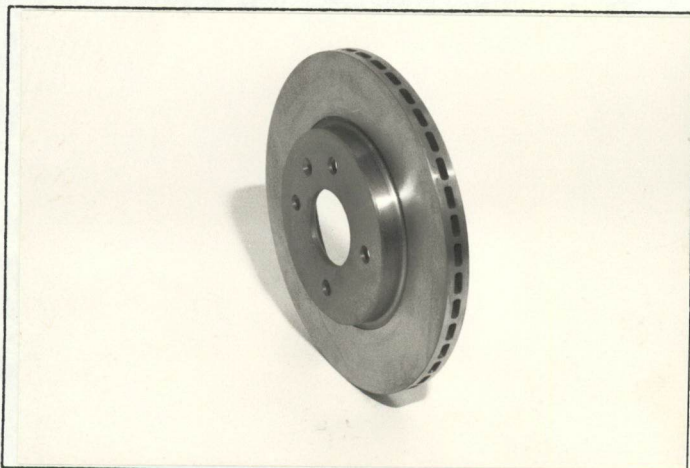
86-32



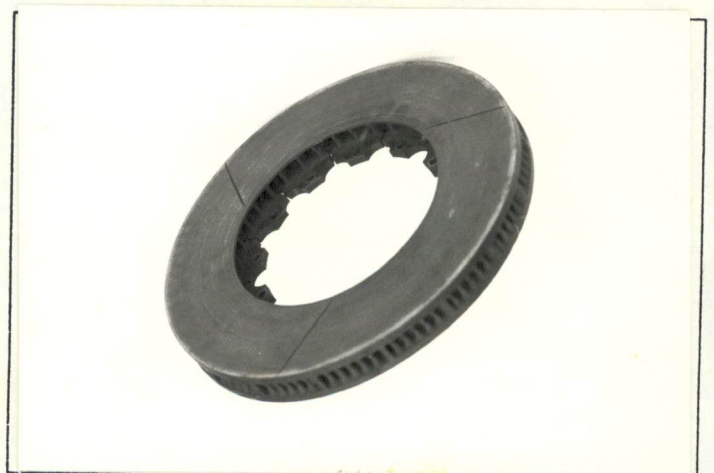
86-33



86-34



86-35



86-36



Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

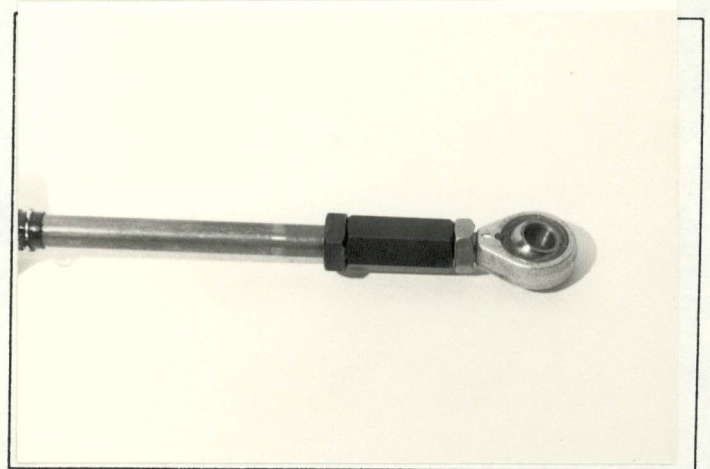
N° Homol. **A-5323**

PHOTOS / PHOTOS

N° Ext. **01-01V0**



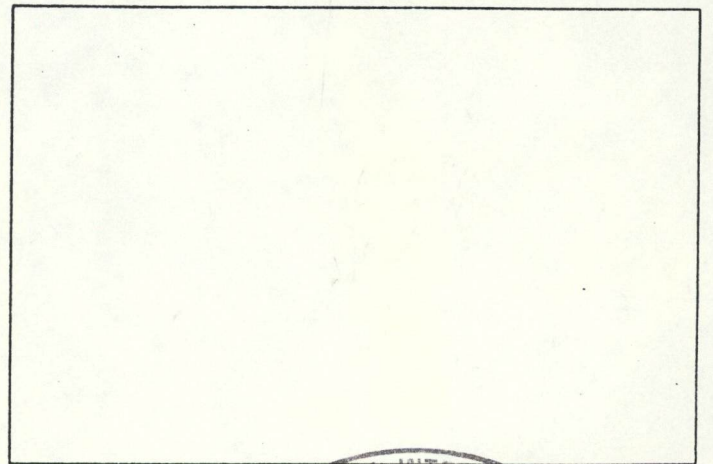
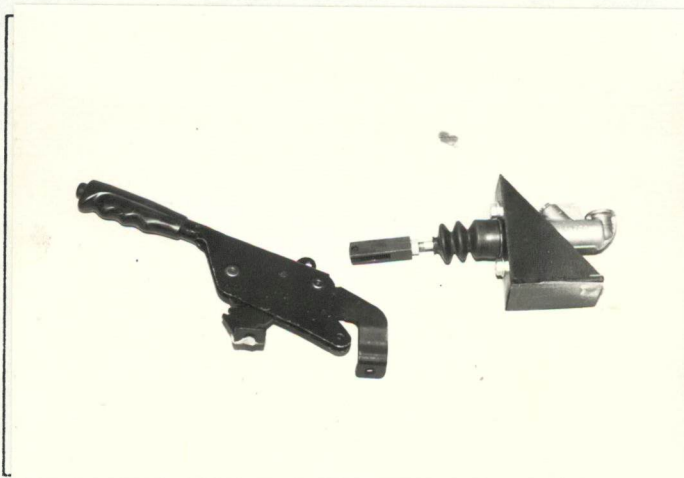
86-37



86-38



86-39





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

**A - 5323**

Extension N°

**02 / 02 VO**

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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** Errata / Erratum

Homologation valable dès le  
Homologation valid as from \_\_\_\_\_

**-1 JAN. 1987**

en groupe  
in group \_\_\_\_\_

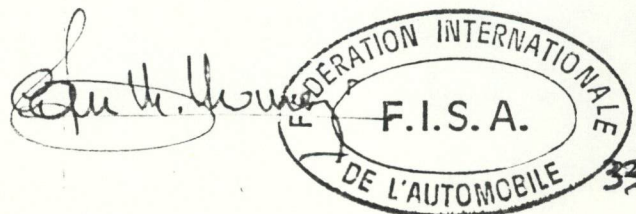
**A**

Constructeur  
Manufacturer **FORD**

Modèle et type  
Model and type

**SIERRA RS COSWORTH**

Page ou ext. Page or ext.	Art. Art.	Description Description
		FRONT OR REAR BRAKE
	803C	4
	803gi	2
	803g3	Aluminium alloy
	803g8	131.1mm
		803C1 2 x 41.3mm dia and 803g2 2 x 38.1mm dia 1 Photo 86-42
		ALTERNATIVE HANDBRAKE CALIPER
	803g3	Aluminium alloy
		Photo 86-43
		DISC - FRONT OR REAR
	803g4	28.05mm
	803g6	288.8mm
	803g9	Ventilated
		803g5 288.8mm 803g7 198mm 803g10 694.3cm <sup>2</sup>
		THE DISC MAY ALSO BE CROSS DRILLED
		PHOTO 86-44 / 86-46

**33**

Marque  
Make

FORD

Modèle  
Model

SIERRA RS COSWORTH

N° Homol.

A-5323

N° Ext.

02 / 02 VO

Page ou ext.  
Page or ext.

Art.  
Art.

Description  
Description

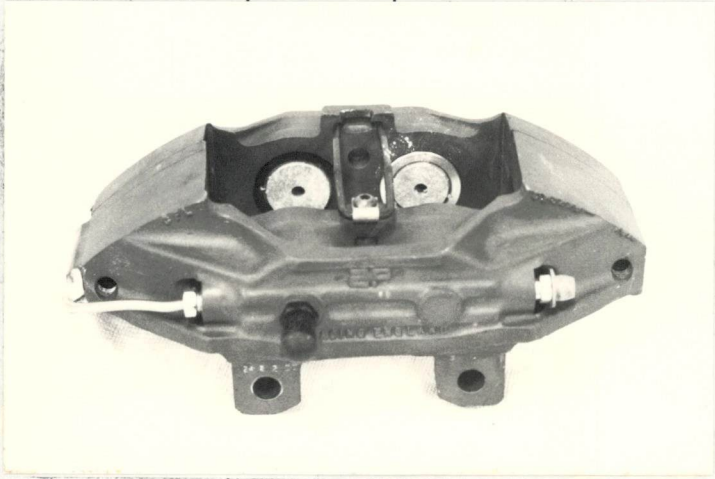
803g4  
803g6  
803g9

28.05mm  
301.5mm  
Ventilated

803g5 301.5mm  
803g7 198mm  
803g10 812.0 cm<sup>2</sup>

THE DISC MAY ALSO BE CROSS DRILLED

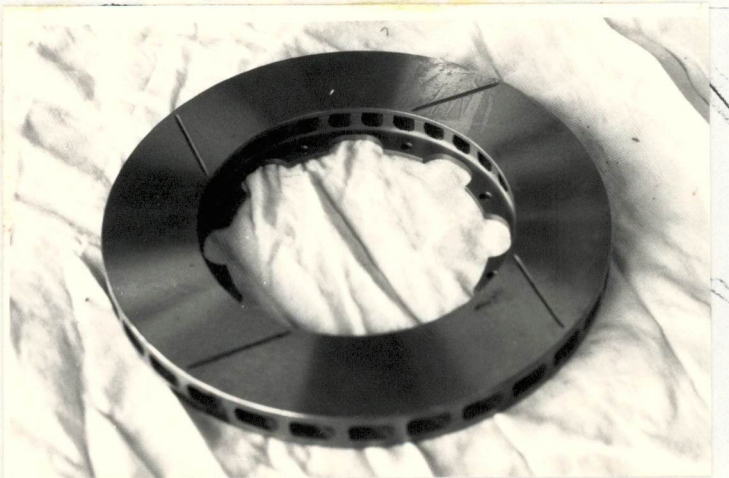
Photo 86-45 / 86-47



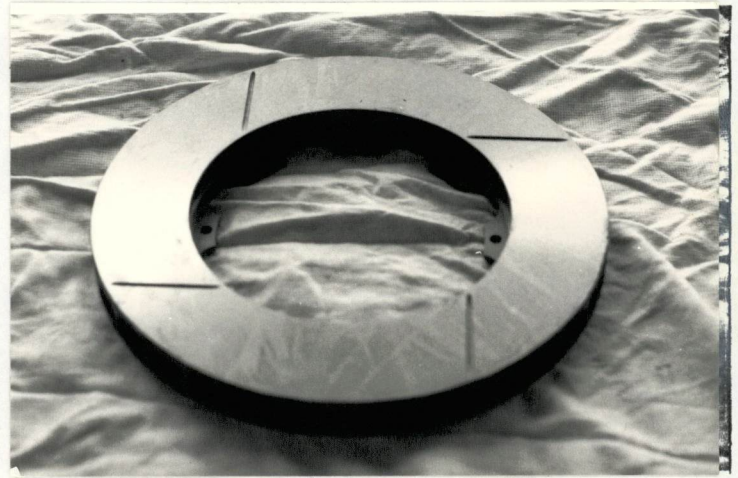
86.42



86.43



86.44



86.45



86.46



86.47





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

**A - 5323**

Extension N°

**03 / 03 VO**

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

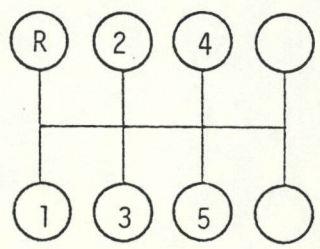
- ES Evolution sportive du type / Sporting evolution of the type
- ET Evolution normale du type / Normal evolution of the type
- VF Variante de fourniture / Supply variant
- VO Variante option / Option variant
- ER Errata / Erratum

Homologation valable dès le - 1 JAN. 1987 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

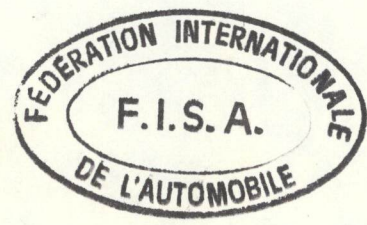
Constructeur FORD Modèle et type SIERRA RS COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
7	701b	Reinforced rear suspension, interchangeable with original equipment - type c photograph 86.46
7	701a	Alternative manufacture of adjustable front suspension - chassis mounting points remain unchanged photograph 86.47
7	701a	Alternative front anti roll bar with chassis pivot built into compression strut mounting bracket - retains standard body mounting bolts photograph 86.48
7	701a	Eccentric front suspension top mount photograph 86.49
8	803	Front disc brake
	803g4	35 $\pm$ 1 mm
	803g6	328 $\pm$ 1.5 mm
	803g9	Ventilated
	803g5	330 $\pm$ 1.5 mm
	803g7	194 $\pm$ 1.5 mm
	803g10	Max swept area = 1098.7 cm <sup>2</sup> photograph 86.50

*[Signature]*  
  
 35

Page ou ext. Page or ext.	Art. Art.	Description Description																																				
8	803	<p>Front or Rear brake disc</p> <p>803g4 20 + 1 mm                      803g5 302 + 1.5 mm</p> <p>803g6 300 + 1.5 mm                  803g7 195 + 1.5 mm</p> <p>803g9 Ventilated                      803g10 Max swept area = 816.4 cm<sup>2</sup> photograph 86.51</p>																																				
9	804	Alternative steering arms for heavy duty front uprights photographs 86.52 and 86.53																																				
6	603	<p>Additional gearbox</p> <p>e) Rapports Ratios</p> <table border="1" data-bbox="901 929 1332 1691"> <thead> <tr> <th></th> <th colspan="3">B.V. suppl. / Additional G.B.</th> </tr> <tr> <th></th> <th>rapports ratio</th> <th>nombre de dents/ number of teeth</th> <th>synchro.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2.337</td> <td>36/16</td> <td>X</td> </tr> <tr> <td>2</td> <td>1.681</td> <td>34/21</td> <td>X</td> </tr> <tr> <td>3</td> <td>1.358</td> <td>34/26</td> <td>X</td> </tr> <tr> <td>4</td> <td>1.150</td> <td>31/28</td> <td>X</td> </tr> <tr> <td>5</td> <td>1.00</td> <td>DIRECT</td> <td>X</td> </tr> <tr> <td>AR/R</td> <td>2.661</td> <td>41/16</td> <td></td> </tr> <tr> <td>Constante Constant.</td> <td>1.038</td> <td>27/26</td> <td></td> </tr> </tbody> </table> <p>f) Grille de vitesse Gear change gate</p> 		B.V. suppl. / Additional G.B.				rapports ratio	nombre de dents/ number of teeth	synchro.	1	2.337	36/16	X	2	1.681	34/21	X	3	1.358	34/26	X	4	1.150	31/28	X	5	1.00	DIRECT	X	AR/R	2.661	41/16		Constante Constant.	1.038	27/26	
	B.V. suppl. / Additional G.B.																																					
	rapports ratio	nombre de dents/ number of teeth	synchro.																																			
1	2.337	36/16	X																																			
2	1.681	34/21	X																																			
3	1.358	34/26	X																																			
4	1.150	31/28	X																																			
5	1.00	DIRECT	X																																			
AR/R	2.661	41/16																																				
Constante Constant.	1.038	27/26																																				

photograph 86.54



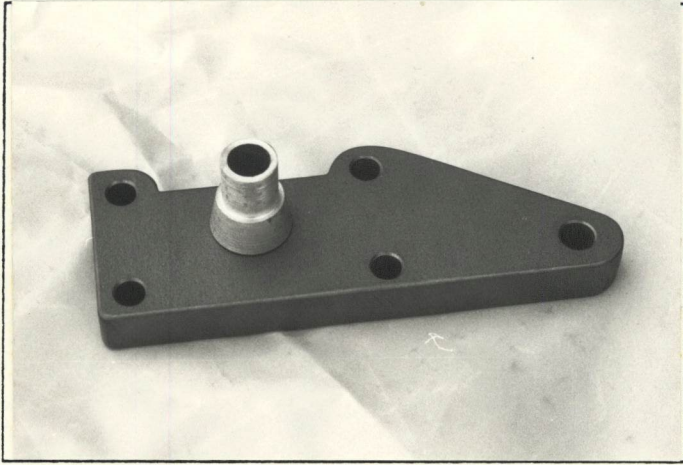
Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

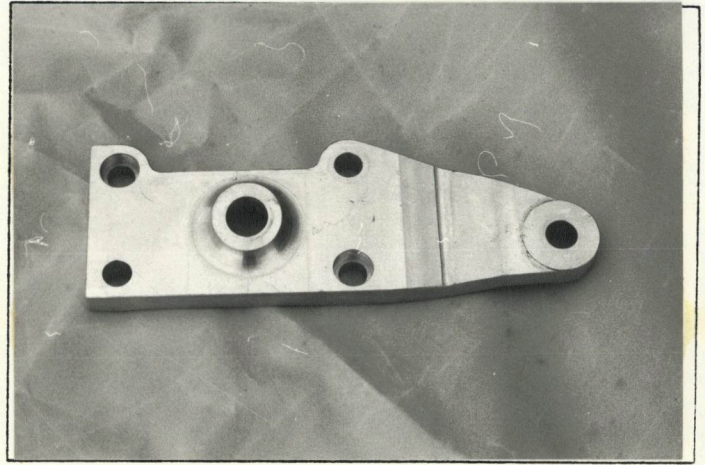
N° Homol. A-5323

PHOTOS / PHOTOS

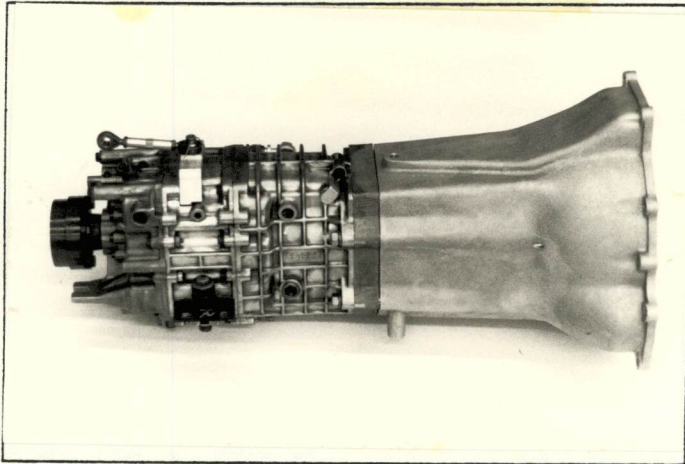
N° Ext. 03 / 03 V0



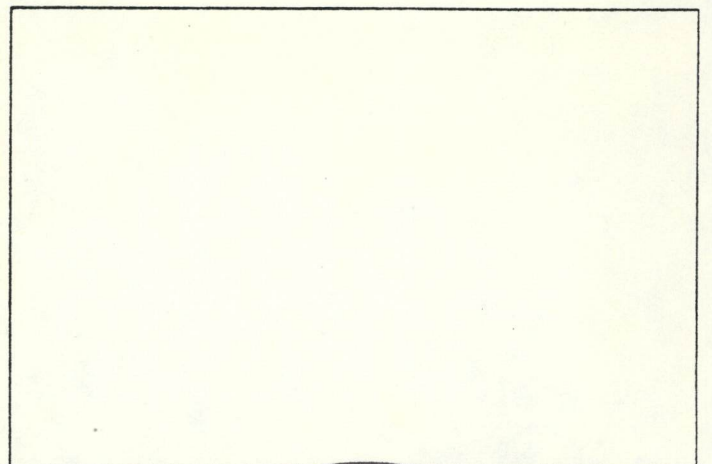
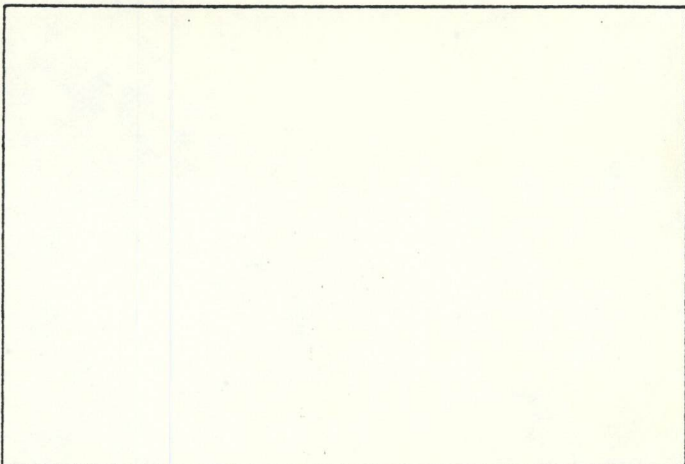
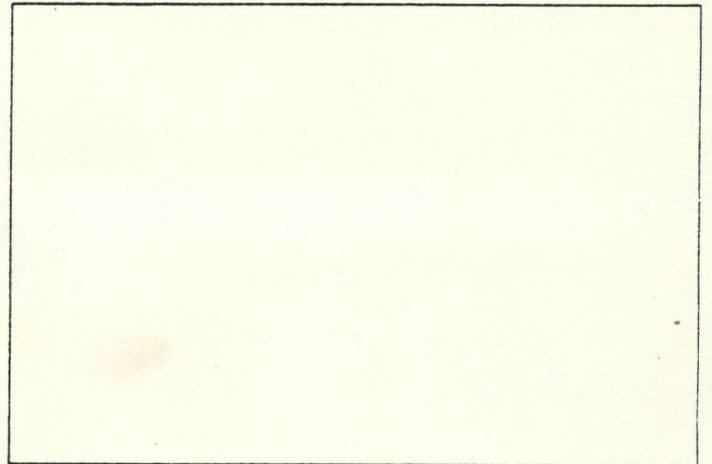
86.52



86.53



86.54



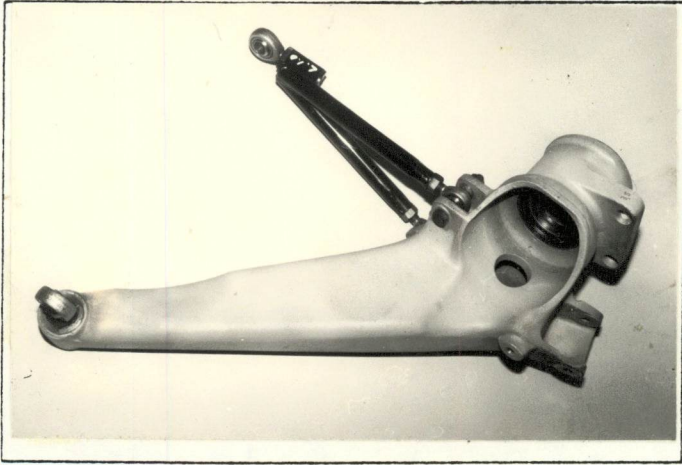
Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

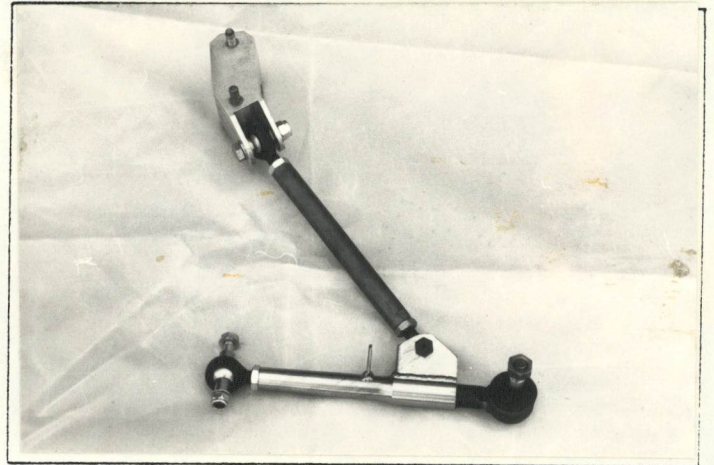
N° Homol. A-5323

PHOTOS / PHOTOS

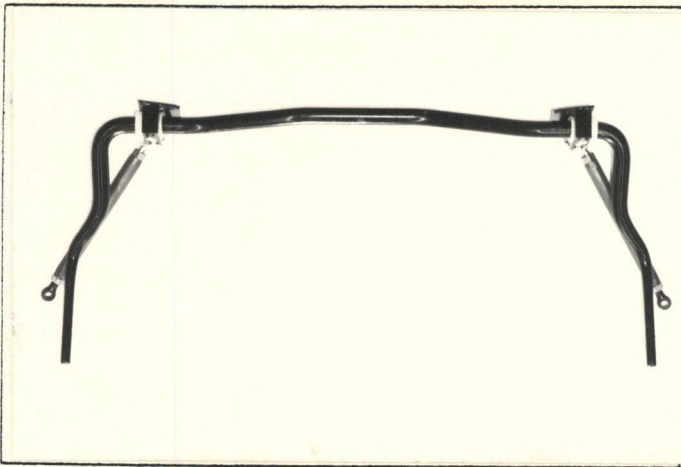
N° Ext. 03 / 03 V0



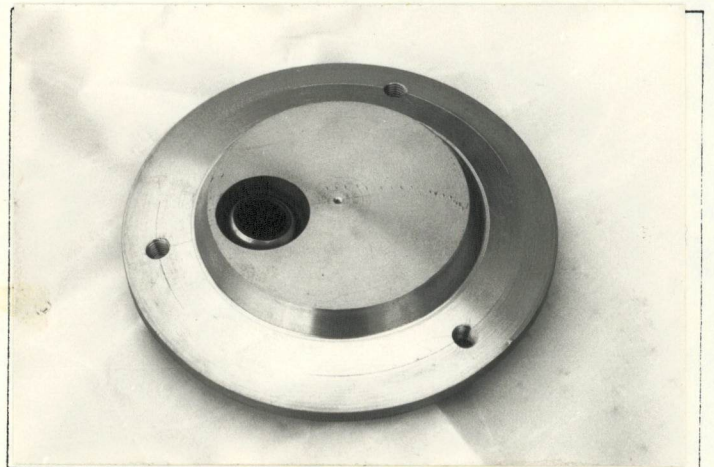
86.46



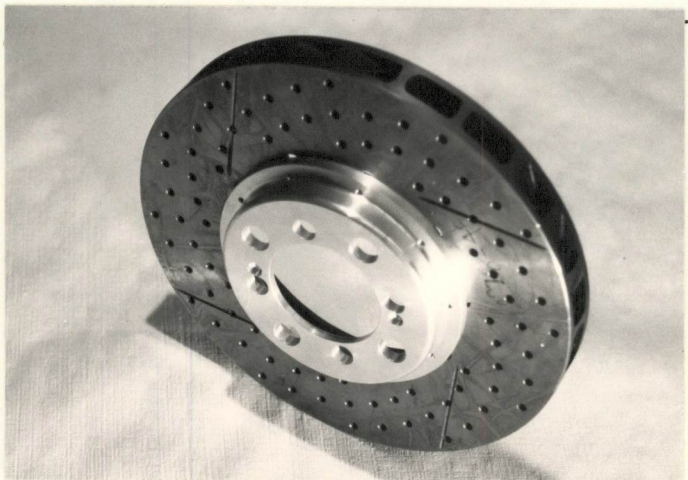
86.47



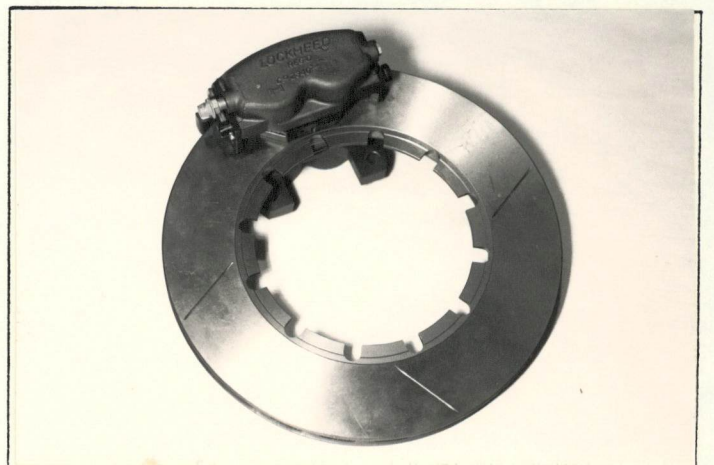
86.48



86.49



86.50



86.51



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

**A - 5323**

Extension N°

**04 / 04 VO**

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le - 1 JAN. 1987 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA R.S.COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description	
7	701	Reinforced front suspension upright in light alloy.	type C Photo 87 01
9	804	Steering Arm for reinforced front suspension upright	type C Photo 87 02
7	701	Heavy duty rear suspension link (interchangeable with standard component) with compliant bush	type D Photo 87 03
7	701	Heavy duty rear suspension link (interchangeable with standard component) with non compliant bush	type E Photo 87 04
7	701	Heavy duty rear suspension link (interchangeable with standard component)	type F Photo 87 05
7	701	Reinforced front suspension track control arm and compression strut, interchangeable with standard components	Photo 87 06
7	701	Top mount, front suspension	Photo 87 07





Marque  
Make

FORD

Modèle  
Model

SIERRA R.S.COSWORTH

N° Homol.

A-5323

04/04V0

N° Ext.

Page ou ext. Page or ext.	Art. Art.	Description Description	
9	804	Heavy duty steering column assembly	Photo 87 08
8	707	Shock Absorber - front with adjustable spring seat and revised clamping to suspension upright	photo 87 09
8	707	Shock Absorber - rear with provision for concentric spring, adjustable spring seat and extended spring cap Body material - steel or alloy	Position of springs changed photo 87 10
8	707	Shock Absorber - rear with provision for concentric spring, adjustable spring seat. Body material-steel or alloy	Position of springs changed photo 87 11
8	707	Suspension travel limiter	photo 87 12, A, B
7	701	Front stub axle assembly with associated high capacity wheel bearing (4 stud wheel fixing)	type A photo 87 13
7	701	Rear stub axle assembly with associated high capacity wheel bearing (4 stud wheel fixing)	photo 87 14
8	803	Alternative dual cylinder brake pedal box with adjustment possible from cockpit (replaces existing pedal box assembly) cylinder size from 12.5 to 25.5mm, and remote fluid reservoir.	type C photo 87 15
8	803	Alternative dual cylinder brake pedal box with adjustment possible from cockpit (replaced existing pedal box assembly) and hydraulic cylinder for clutch actuation. Cylinder size from 12.5 to 25.5mm, and remote fluid reservoir type D	photo 87 16
8	803	Alternative dual cylinder brake pedal box with adjustment possible from cockpit (replaces existing pedal box assembly) and optional hydraulic cylinder for clutch actuation, incorporating heat shield. Cylinder size from 12.5 to 25.5mm, and remote fluid reservoir	type D(rhd) photo 87 17



Marque  
Make FORD

Modèle  
Model SIERRA R.S.COSWORTH

N° Homol. **A-5323**

N° Ext. **04/04V0**

Page ou ext. Page or ext.	Art. Art.	Description Description	
8	801	Rear brake line on/off valve (Race cars only)	Photo 87 18
8	803	Alternative brake calipers (front and/or rear brakes) Calipers identical except for internal machining Supplier A.P. Racing	photo 87 19
		803e No. of cylinders 4 4 4 4	
		803e1 cylinder bore mm (41.3)38.1 36 32 (38.1)	
		803g1 no. of pads 2 2 2 2	
		803g2 no. of calipers 1 1 1 1	
		803g3 caliper material alloy alloy alloy alloy	
		803g8 pad length- 1.5mm 130 130 130 130	
8	803	Alternative brake calipers (front and/or rear brakes) Calipers identical except for internal machining supplier A.P.Racing	photo 87 20
		803e No. of cylinders 4 4 4 4	
		803e1 Cylinder bore mm 41.3 38.1 36 32	
		803g1 no. of pads 2 2 2 2	
		803g2 No. of calipers 1 1 1 1	
		803g3 Caliper material alloy alloy alloy alloy	
		803g8 Pad length- 1.5mm 125 125 125 125	
8	803	Alternative brake calipers (front and/or rear brakes) Calipers identical except for internal machining supplier A.P.Racing	photo 87 21
		803e No. of cylinders 4 4 4 4	
		803e1 cylinder bore mm 41.3 38.1 36 32	
		803g1 no. of pads 2 2 2 2	
		803g2 no. of calipers 1 1 1 1	
		803g3 Caliper material alloy alloy alloy alloy	
		803g8 Pad length- 1.5mm 130 130 130 130	
8	803	Alternative brake calipers (front and/or rear brakes) Calipers identical except for internal machining. supplier A.P.Racing	photo 87 22
		803e No. of cylinders 4	
		803e1 Cylinder bore mm 41.3/38.1	
		803g1 No. of pads 2	
		803g2 No. of calipers 1	
		803g3 Caliper material alloy	
		803g8 pad length - 1.5mm 130	



Marque FORD  
Make

Modèle SIERRA R.S.COSWORTH  
Model

N° Homol. A-5323

N° Ext. 04/04V0

Page ou ext. Page or ext.	Art. Art.	Description Description
8	803	Alternative brake calipers (front and/or rear brakes) Calipers identical except for internal machining. supplier A.P.Racing <span style="float: right;">Photo 87 23</span>  803e No. of cylinders 4 4 4 803e1 Cylinder bore mm 38.1 36 32 803g1 no. of pads 2 2 2 803g2 no. of calipers 1 1 1 803g3 Caliper material Alloy Alloy Alloy 803g8 Pad length $\pm 1.5mm$ 112 112 112
8	803	Alternative brake caliper (front and/or rear brakes) Supplier Alcon <span style="float: right;">Photo 87 24</span>  803e Cyls/wheel 4 803e1 Bore mm 2 x 38, 2 x 41.5 803g1 No.pads 2 803g2 No.calipers 1 803g3 caliper material Alloy 803g8 pad length $\pm 1.5mm$ 132
8	803	Alternative brake calipers (front and/or rear brakes) Calipers identical except for internal machining. Supplier A.P.Racing <span style="float: right;">Photo 87 25</span>  803e Cyls/wheel 4 4 803e1 Bore mm 44.5 44.5 41.3 803g1 No.pads 2 2 803g2 No.calipers 1 1 803g3 Caliper material Alloy Alloy 803g8 Pad length $\pm 1.5mm$ 127 127 (N.B. if any caliper above is used on rear axle, then a second handbrake caliper may be required)
8	803	Brake discs (front and/or rear brakes) Discs may be grooved or cross drilled <span style="float: right;">Photo 87 26 and " 87 27</span>  803g4 Max.disc thickness 28 25.8 21 803g5 Max.disc O D $\pm 1.5mm$ 285 285 285 803g6 Max O D pad $\pm 1.5mm$ 285 285 285 803g7 Min disc ID $\pm 1.5mm$ 182 182 182 803g9 Ventilated yes yes yes 803g10 Braking surface cm <sup>2</sup> 755.6 755.6 755.6 (N.B.Actual swept area may be less depending on caliper used.)



Marque FORD  
Make

Modèle SIERRA R.S.COSWORTH  
Model

N° Homol. **A-5323**

N° Ext. **04 / 04 V0**

Page ou ext. Page or ext.	Art. Art.	Description Description	
8	803	Brake discs (front and/or rear brakes) Discs may be grooved or cross drilled	Photo 87 28 " 87 29
		803g4 Max disc thickness 28 32 32	
		803g5 max disc O D $\pm 1.5$ mm 315 315 325	
		803g6 max O D pad $\pm 1.5$ mm 315 315 325	
		803g7 Min disc I D $\pm 1.5$ mm 210 210 217	
		803g9 Ventilated 2 yes yes yes	
		803g10 Braking surface cm <sup>2</sup> 865.9 865.9 919.5 (N.B. Actual swept area may be less depending on caliper used)	
8	803	Brake discs (front and/or rear brakes) Discs may be grooved or cross drilled	Photo 87 30 " 87 31
		803g4 Thickness mm 32 35.5	
		803g5 Disc O D mm 330 330	
		803g6 Max pad O.D.mm 330 330	
		803g7 min.pad I.D.mm 222 222	
		803g9 ventilated ?? 2yes yes	
		803g10 braking surface cm <sup>2</sup> 936 936	
8	801	Kit - water cooled brakes comprising pumps, water jets attached to caliper, reed switch and relay, plus feed pipes and reservoir (tank capacity = 20 Litres)	Photo 87 32
9	804	Alternative steering ratio for power and non-power steering racks - non power racks dispense with need for power steering pump Ratio = 12.8 $\pm$ .25 based on 20 degree wheel angle	Photo 87 33 (non power rack)
9	804	Increased volume reservoir for power steering pump	Photo 87 34
9	804	Alternative power steering pump	Photo 87-35



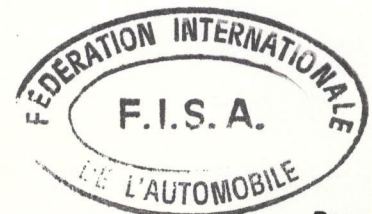
Marque  
Make FORD

Modèle  
Model SIERRA R.S. COSWORTH

N° Homol. **A-5323**

N° Ext. **04 / 04 VO**

Page ou ext. Page or ext.	Art. Art.	Description Description	
7	605	Rear axle case with increased capacity bearings for heavy duty drive shafts	Photo 87 37
7	605	Alternative rear axle ratios	42/9 = 4.667 44/9 = 4.889 40/9 = 4.444
7	705	Separate front anti-roll bar hollow tube design with variable rate leverage arms	type C Photo 87 39
7	705	Separate rear anti roll bar hollow tube design with variable rate leverage arms	type C Photo 87 40



Marque FORD  
Make

Modèle SIERRA R.S COSWORTH  
Model

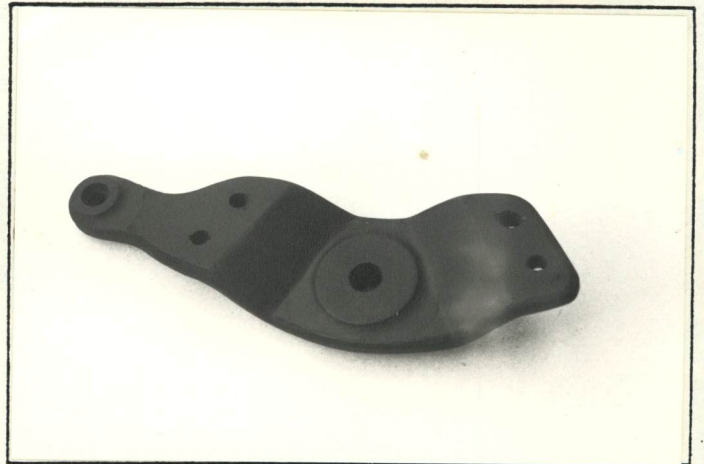
N° Homol. A - 5323

PHOTOS / PHOTOS

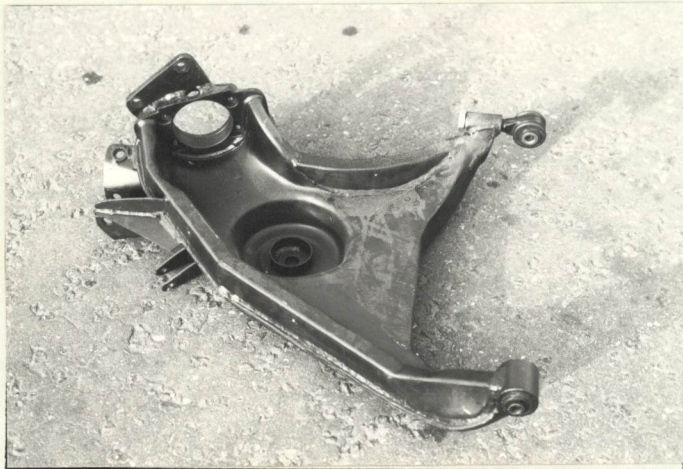
N° Ext. 04 / 04 VO



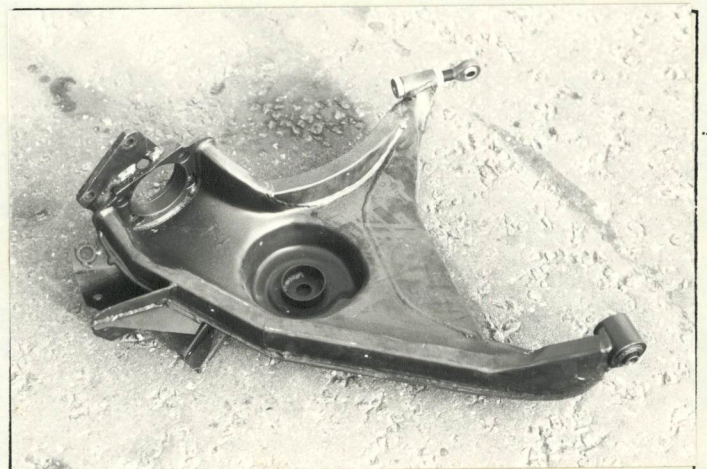
87 - 01



87 - 02



87 - 03



87 - 04



87 - 05



87 - 06



Marque FORD  
Make

Modèle SIERRA R.S COSWORTH  
Model

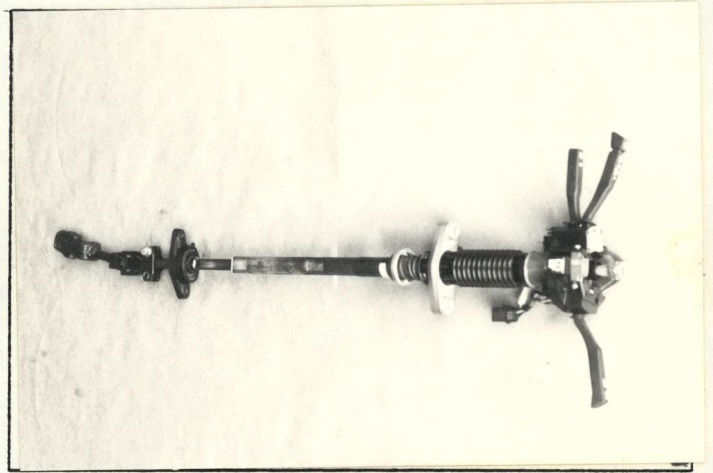
N° Homol. A-5323

PHOTOS / PHOTOS

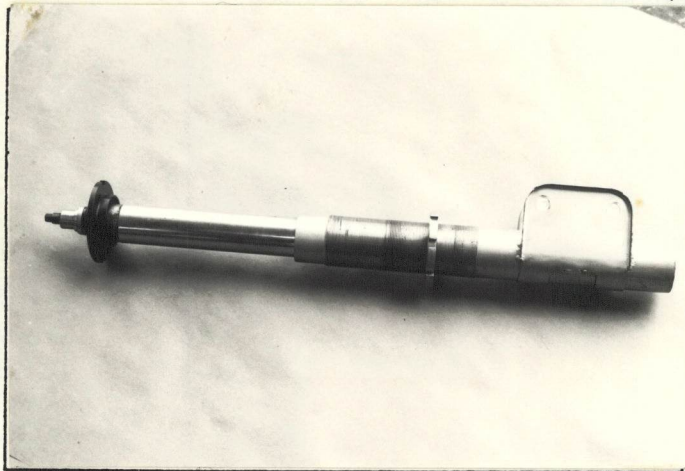
N° Ext. 04 / 04 V0



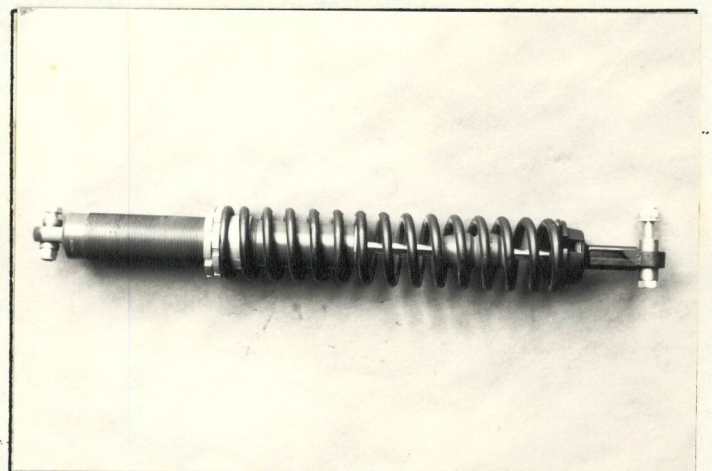
87 - 07



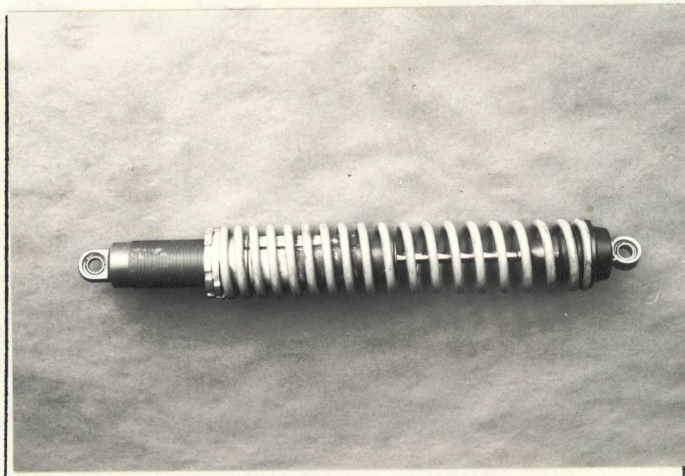
87 - 08



87 - 09



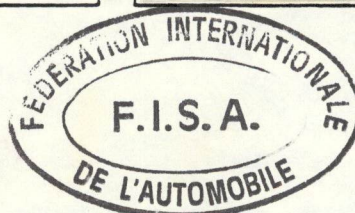
87 - 10



87 - 11



87 - 12



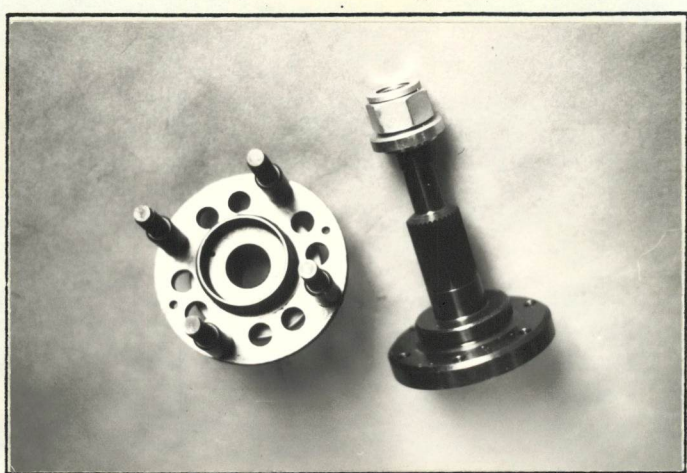
Marque FORD  
Make

Modèle SIERRA R.S COSWORTH  
Model

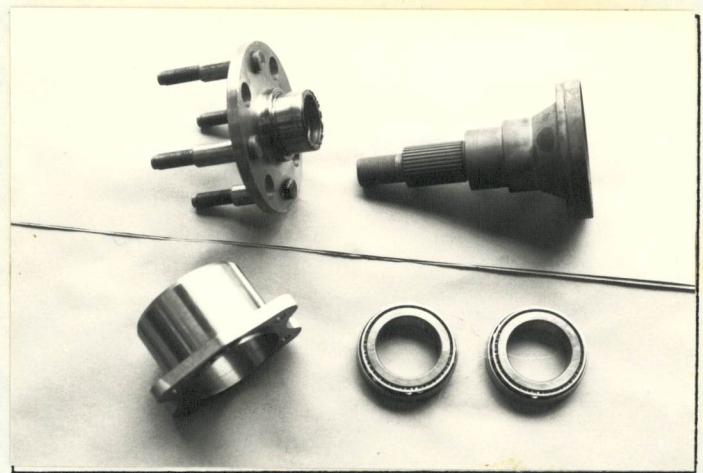
N° Homol. A-5323

PHOTOS / PHOTOS

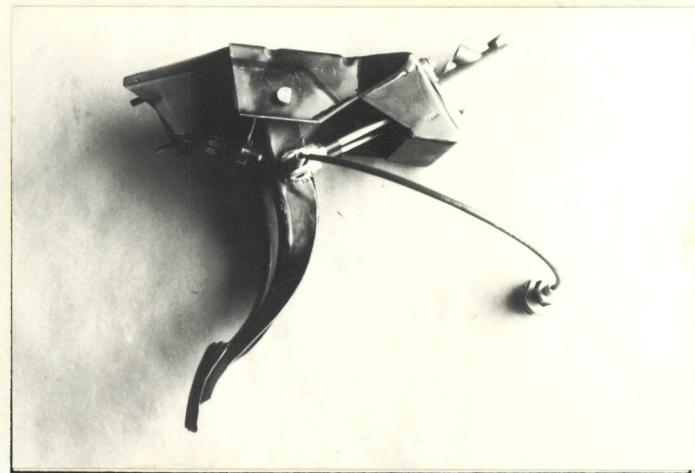
N° Ext. 04 / 04 V0



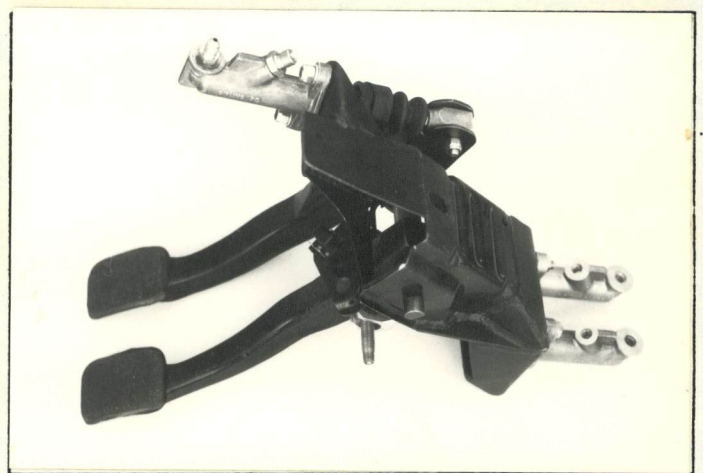
87 - 13



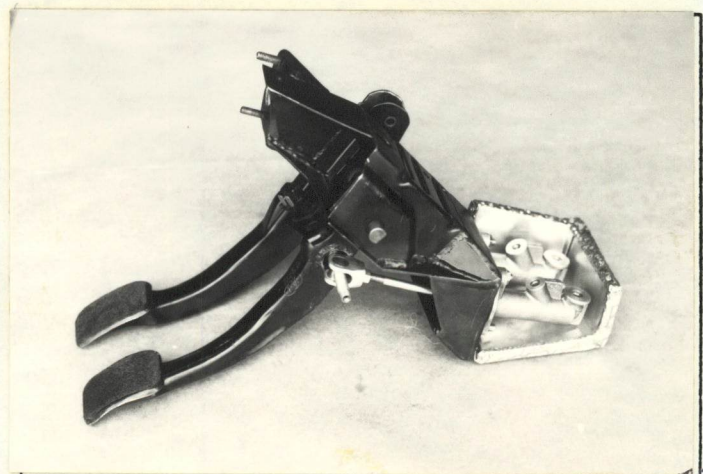
87 - 14



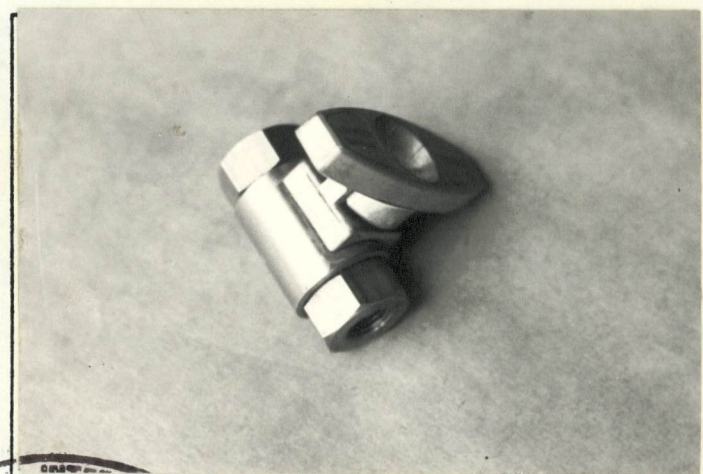
87 - 15



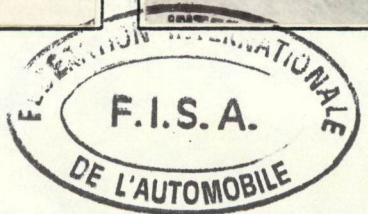
87 - 16



87 - 17



87 - 18





Marque FORD  
Make

Modèle SIERRA R.S COSWORTH  
Model

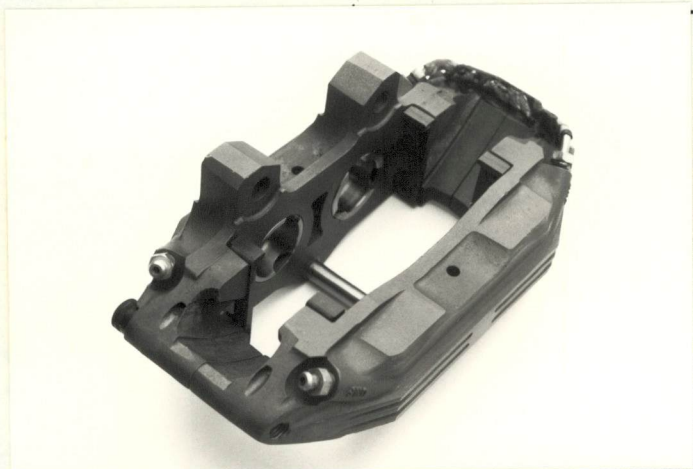
**A-5323**

N° Homol. \_\_\_\_\_

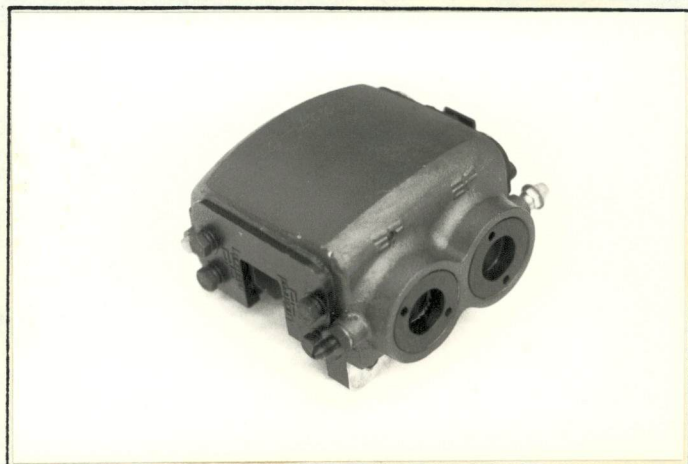
PHOTOS / PHOTOS

N° Ext. \_\_\_\_\_

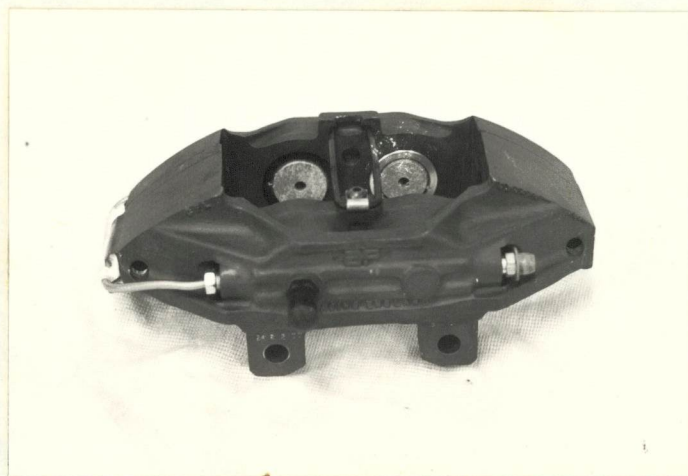
**04 / 04 V0**



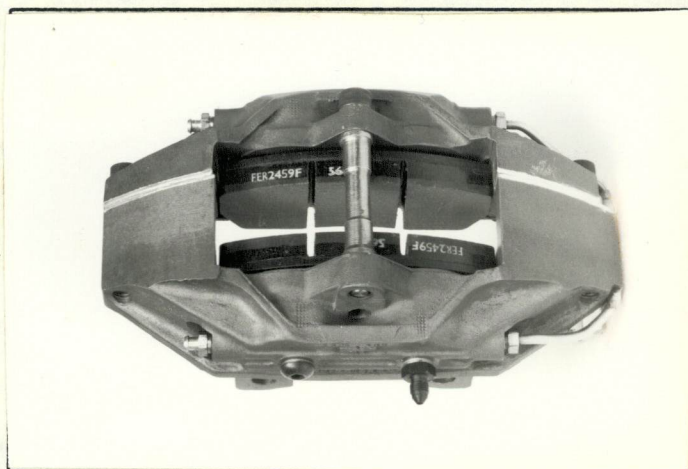
87 - 19



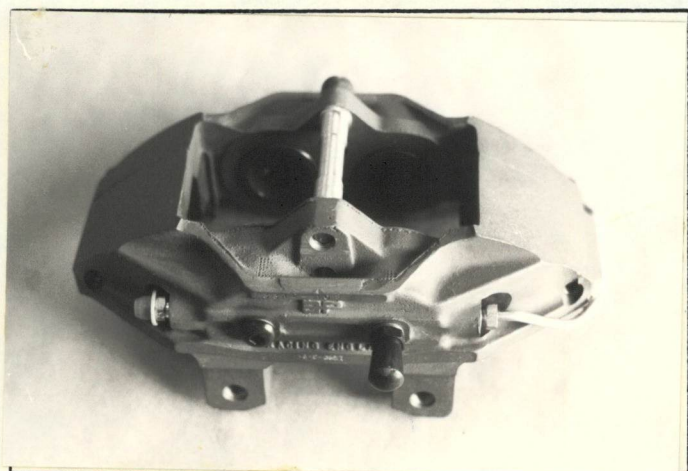
87 - 20



87 - 21



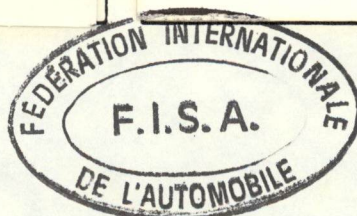
87 - 22



87 - 23



87 - 24



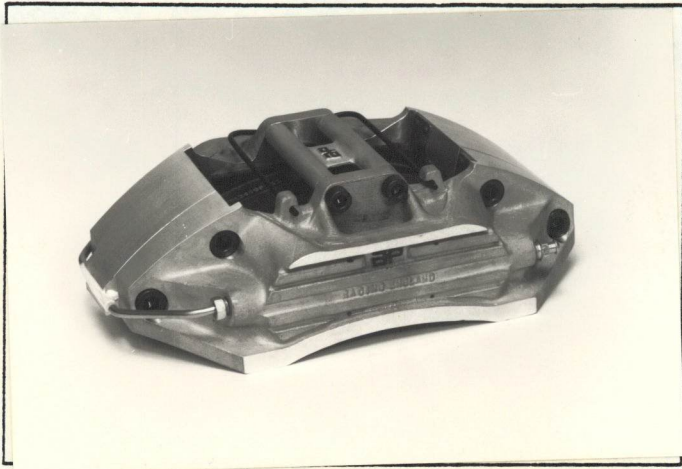
Marque FORD  
Make

Modèle SIERRA R.S COSWORTH  
Model

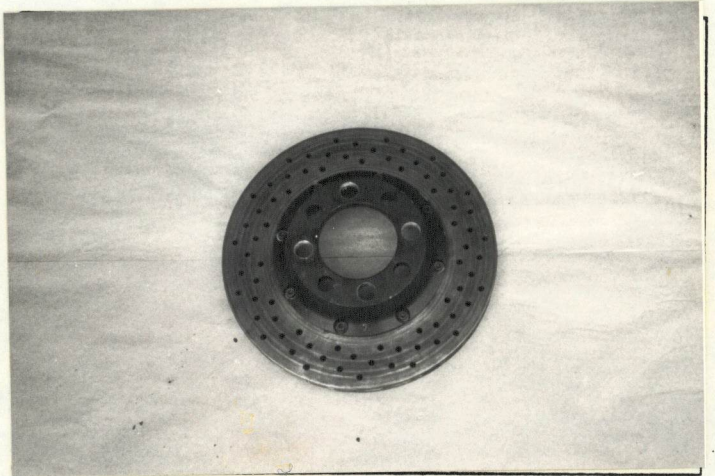
N° Homol. A-5323

PHOTOS / PHOTOS

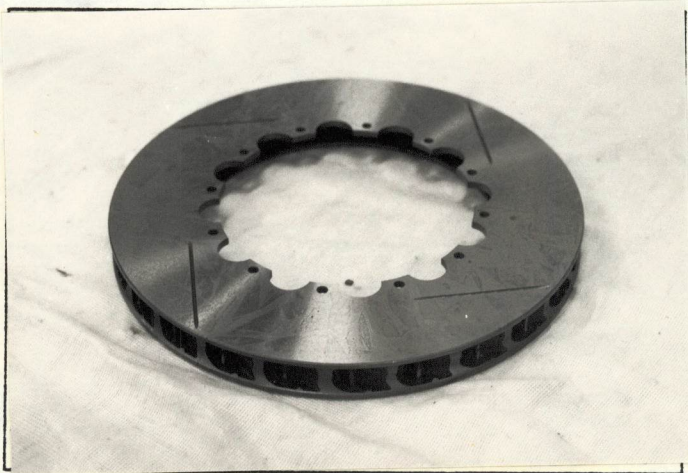
N° Ext. 04 / 04 VO



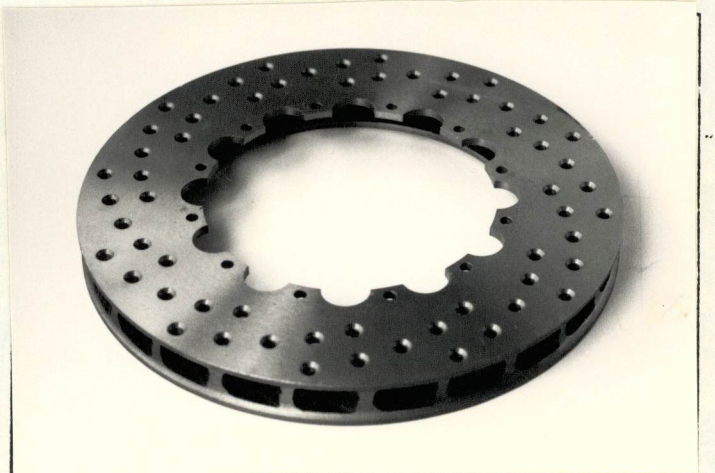
87 - 25



87 - 26



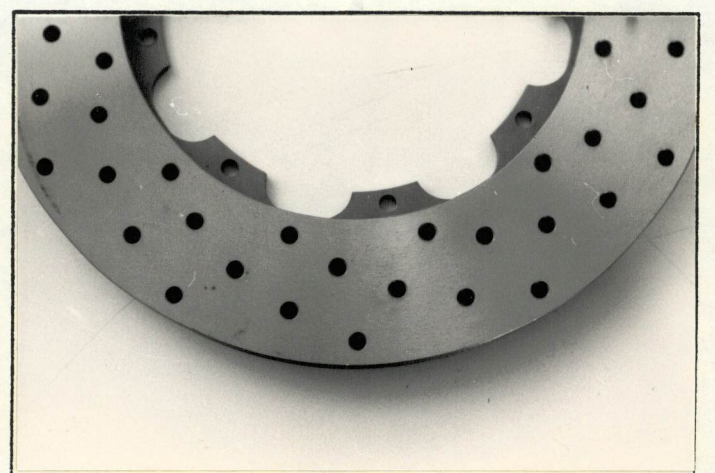
87 - 27



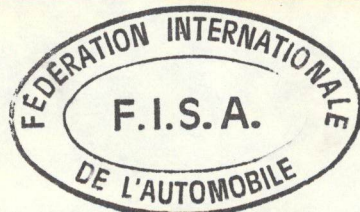
87 - 28



87 - 29



87 - 30



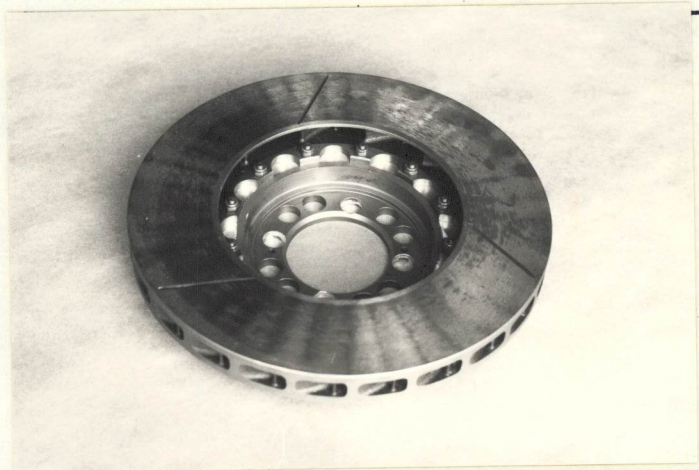
Marque FORD  
Make

Modèle SIERRA R.S COSWORTH  
Model

N° Homol. A-5323

PHOTOS / PHOTOS

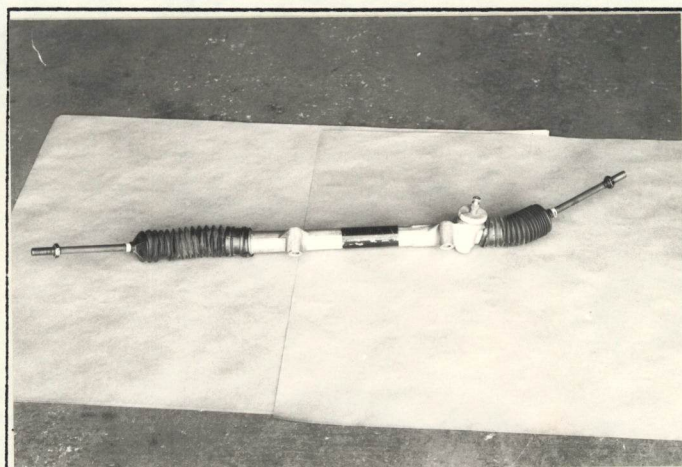
N° Ext. 04 / 04 V0



87 - 31



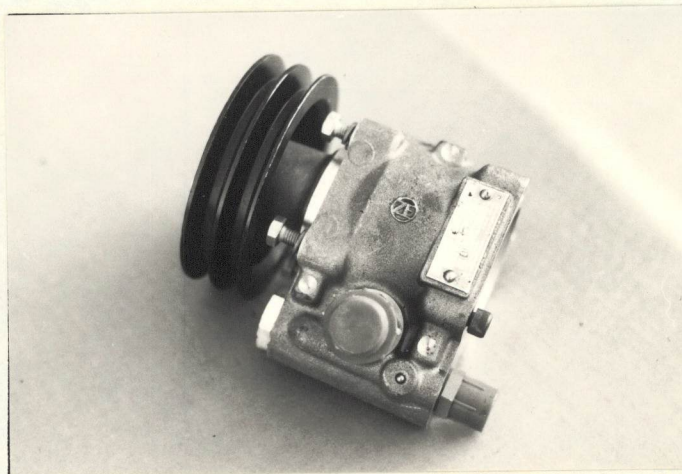
87 - 32



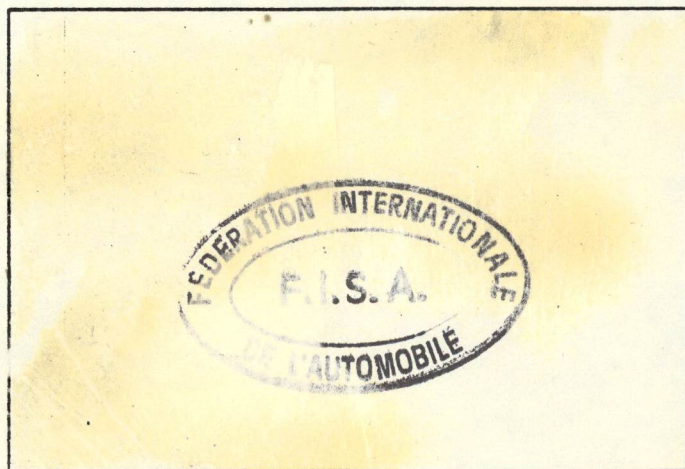
87 - 33



87 - 34



87 - 35



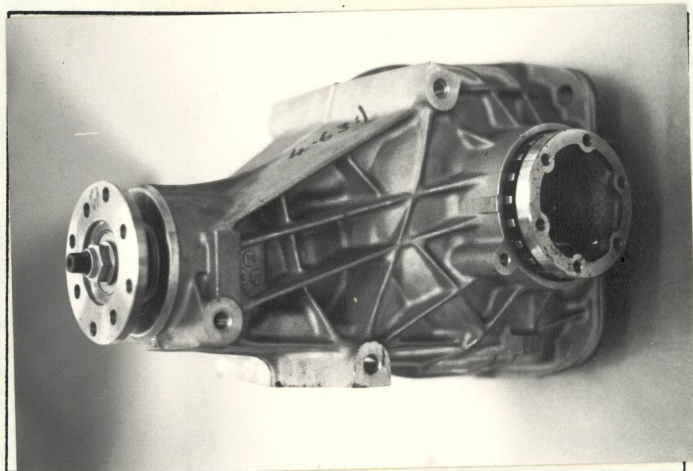
Marque  
Make FORD

Modèle  
Model SIERRA R.S COSWORTH

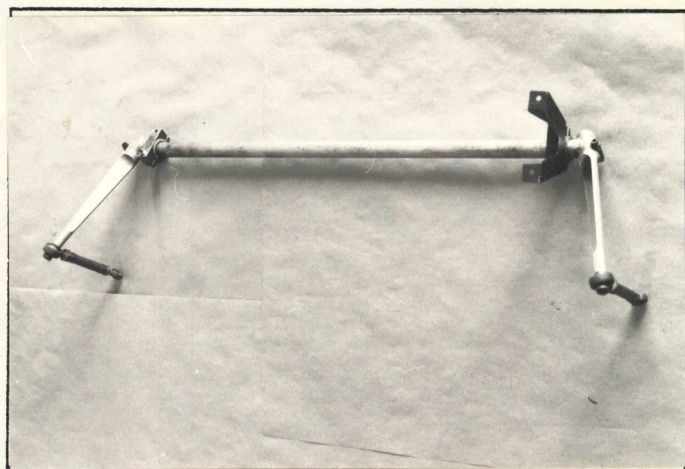
N° Homol. 04 / 04 V0

PHOTOS / PHOTOS

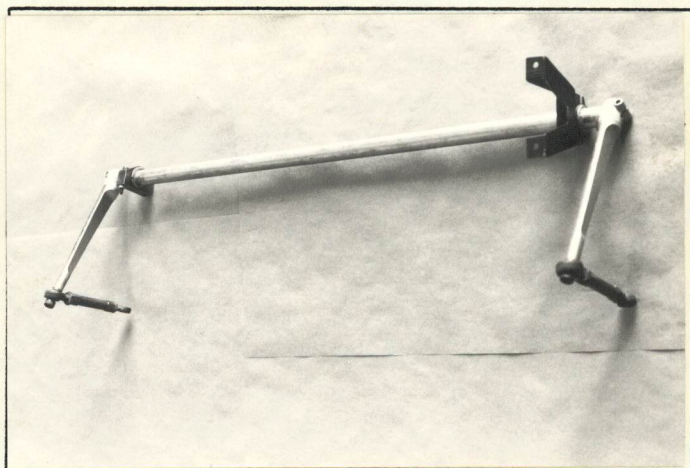
N° Ext. A-5323



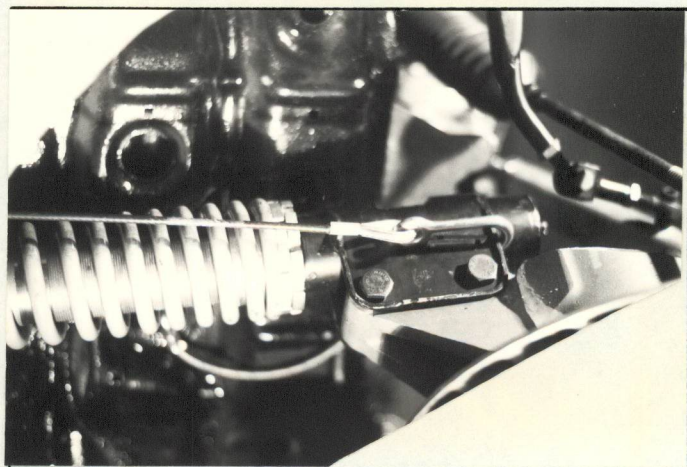
87 - 37



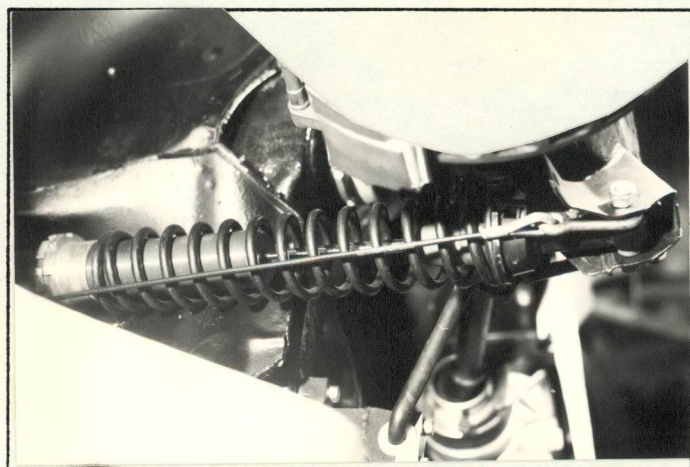
87 - 39



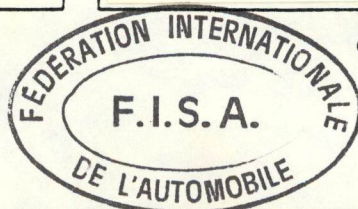
87 - 40



87-12 A



87-12 B





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A/N 5323

Extension N°

05 / 05 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION VO Variante option / Option variantHomologation valable dès le 1 APRIL 1987 en groupe A & N  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_Constructeur de la voiture FORD Modèle et type SIERRA R.S. COSWORTH  
Manufacturer of the car \_\_\_\_\_ Model and type \_\_\_\_\_

## ARCEAU / CAGE DE SECURITE

## ROLLBAR / ROLLCAGE

Arceau principal

Entretoise  
longitudinale/diagonale  
Longitudinal/diagonal  
strut

Arceau avant

Main rollbar

Front rollbar

Fabricant de l'arceau  
Rollbar manufacturer

FORD MOTOR COMPANY LIMITED

Matériau  
Material

STEEL CDS2

STEEL CDS2 / ALUMINIUM HE30TF

STEEL: CDS2

Diamètre extérieur

38.0 mm34.5 mm / 38.0 mm38.0 mm

Exterior diameter

Epaisseur de paroi

2.64 mm2.64 mm / 4.7 mm2.64 mm

Wall thickness

Limite élastique

37.8 kg/mm<sup>2</sup>37.8 kg/mm<sup>2</sup> / 25.0 kg/mm<sup>2</sup>37.8 kg/mm<sup>2</sup>

Elastic limit

Résistance à la traction

44.1 kg/mm<sup>2</sup>44.1 kg/mm<sup>2</sup> / 29.5 kg/mm<sup>2</sup>44.1 kg/mm<sup>2</sup>

Tensile strength

Poids total y-compris les fixations

32.5 kg

Total weight including fixings

Arceau/cage complet (e) hors de la voiture  
Complete rollbar/rollcage outside the car

Nous attestons que le présent arceau / la présente cage de sécurité répond aux dispositions de l'Annexe J de la FIA, en particulier en ce qui concerne ses implantations, ses connexions et ses résistances aux contraintes.

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.

Signature du représentant du constructeur du véhicule  
Signature of the car manufacturer representative

52

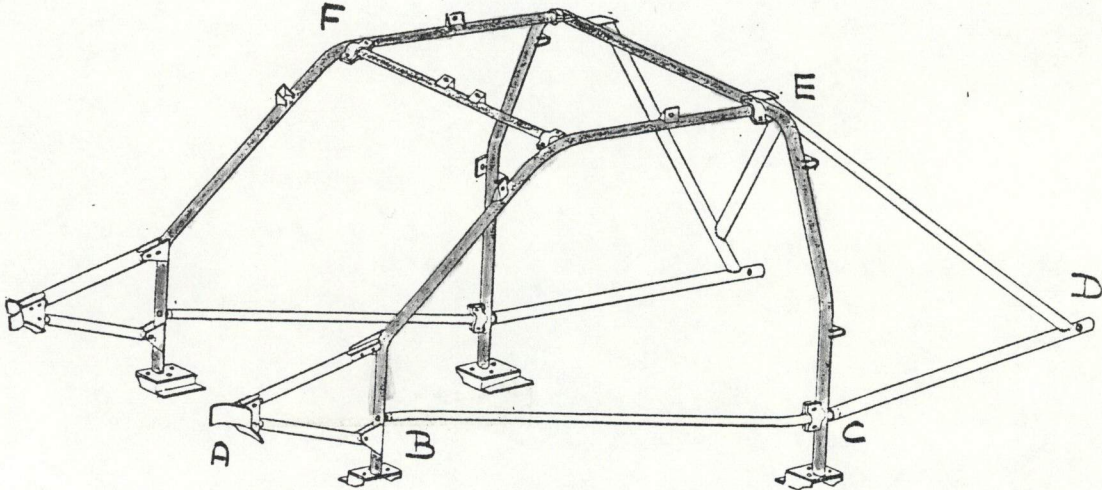
Marque  
Make FORD

Modèle  
Model SIERRA R.S.COSWORTH

N° Homol. A/N 5323

PHOTOS / PHOTOS

N° Ext. 05 / 05 V0

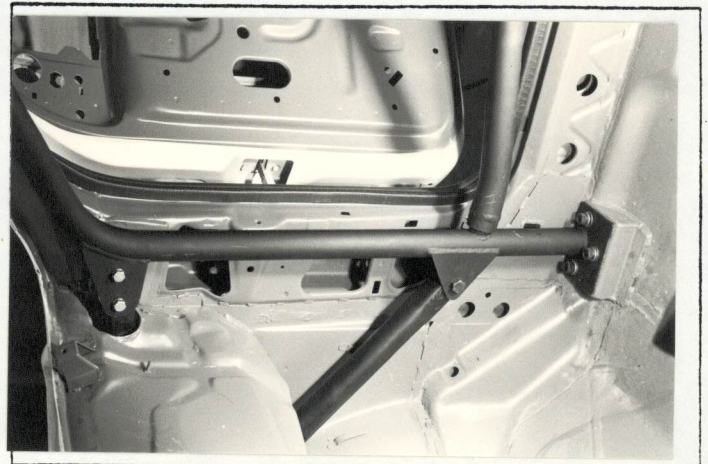


TUBES SHOWN SHADED  
NON-SHADED TUBES  
For joint details

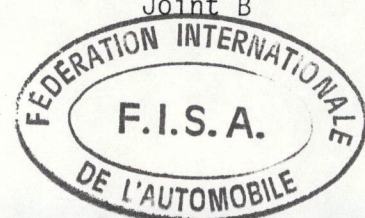
- STEEL Min.spec.CD52
- ALUMINIUM ALLOY Min.spec.HE30TF
- see below



Joint A



Joint B



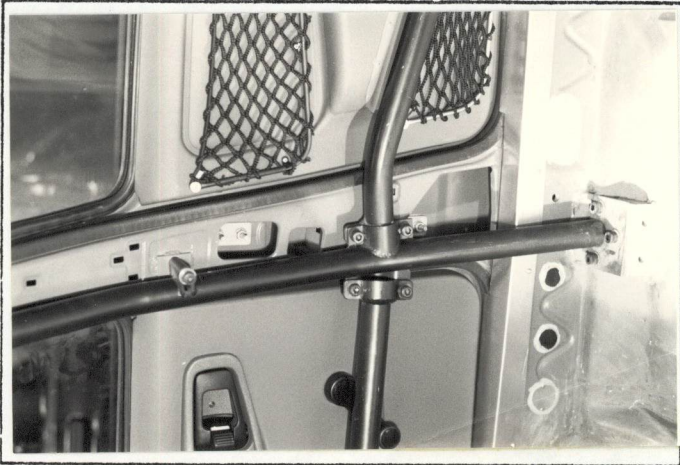
Marque  
Make FORD

Modèle  
Model SIERRA R.S.COSWORTH

N° Homol. A/N 5323

PHOTOS / PHOTOS

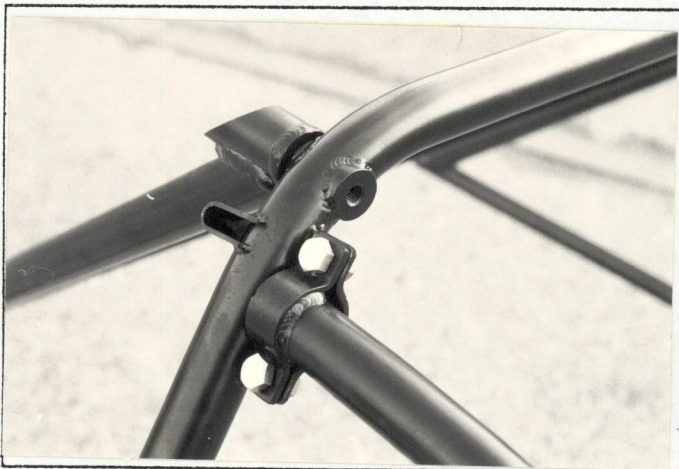
N° Ext. 05 / 05 V0



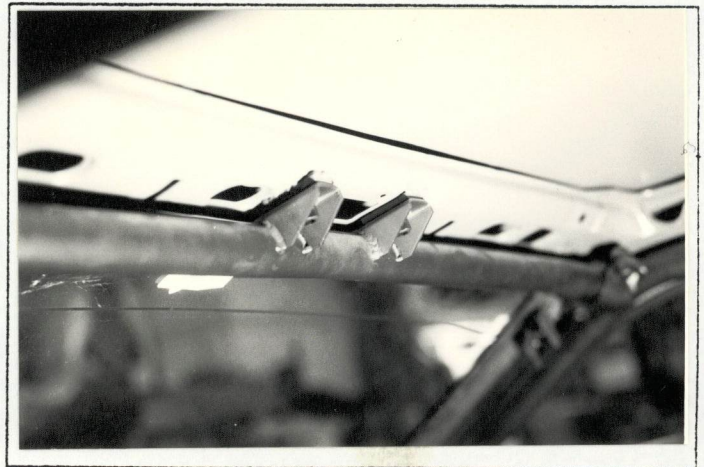
Joint C



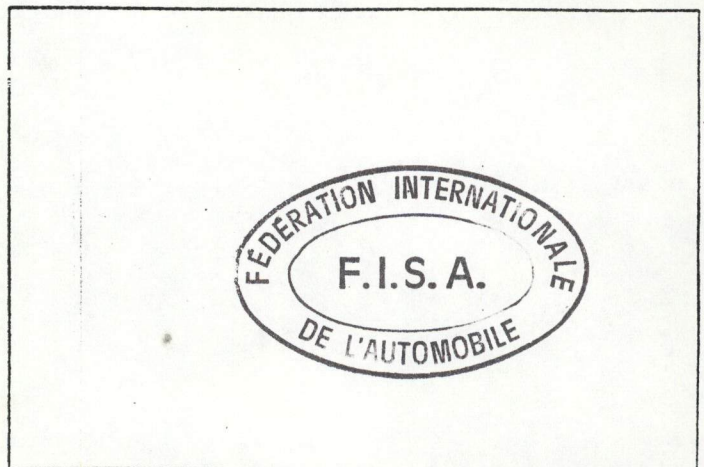
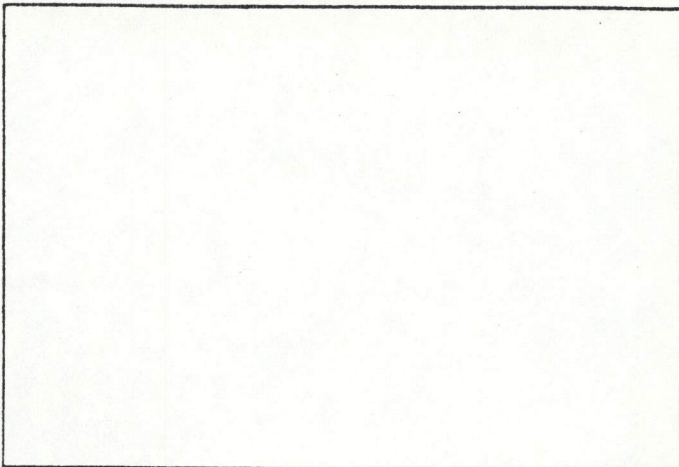
Joint D



Joint E



Joint F



Marque FORD  
Make

Modèle SIERRA R.S.COSWORTH  
Model

N° Homol. A/N 5323

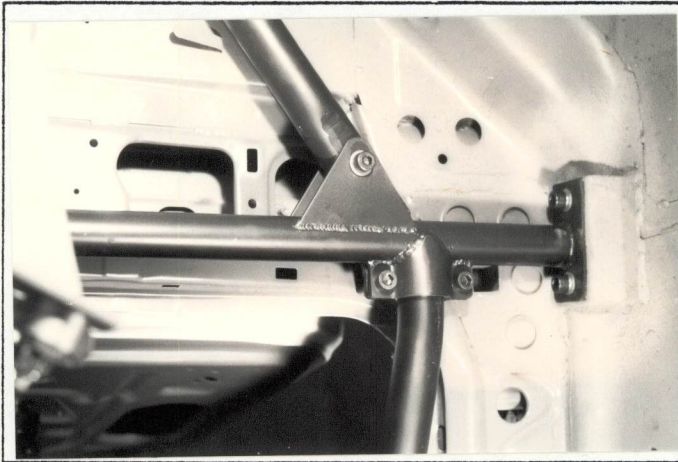
**05 / 05 VO**

PHOTOS / PHOTOS

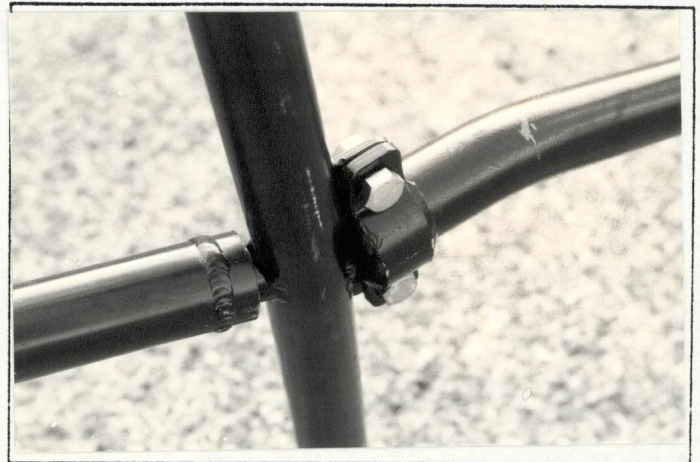
N° Ext. \_\_\_\_\_

SUPPLY VARIANT

Alternative method of constructing joints. as per F.I.S.A. Art 253.8.2



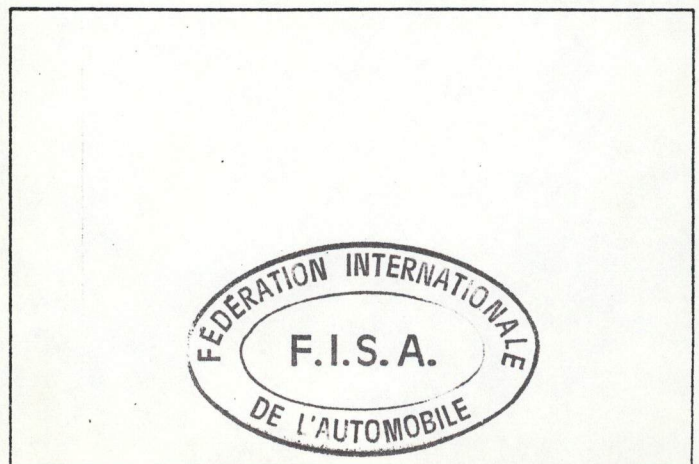
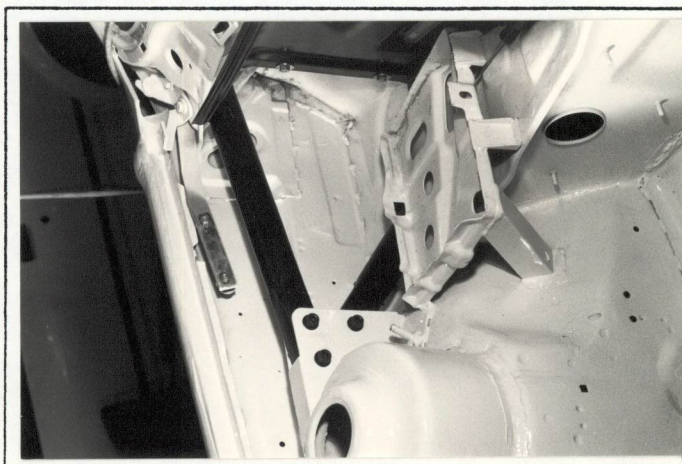
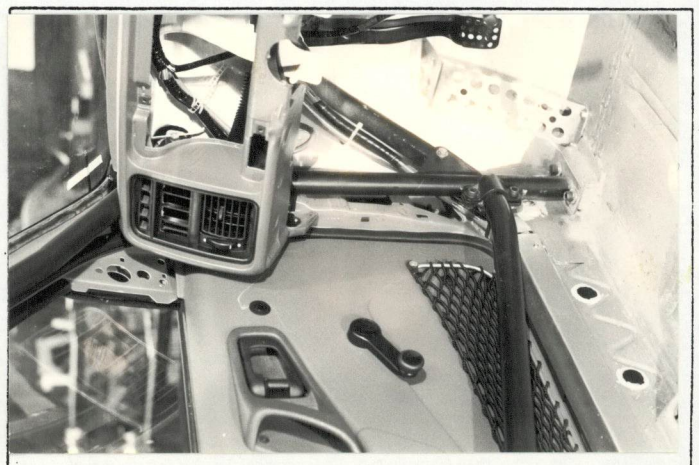
Joint B



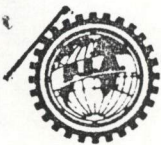
Joint C



Joint E







# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

06 / 06 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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** Errata / Erratum

Homologation valable dès le 1 April 1987 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_Constructeur FORD Modèle et type SIERRA R.S.COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description	
9	803	Brake disc bell (connector - disc to hub) Type A	Photo 87-41
9	803	Brake disc bell (connector - disc to hub) Type B	Photo 87-42
9	803	Brake disc bell (connector - disc to hub) Type C	Photo 87-43
9	803	Caliper mounting bracket Type A	Photo 87-44
9	803	Caliper mounting bracket Type B	Photo 87-45
9	804	Steering arm - reinforced forging with same steering ratio as photo 87-02	Photo 87-46
9	804	Alternative universal joints for steering shaft	Photo 87-47



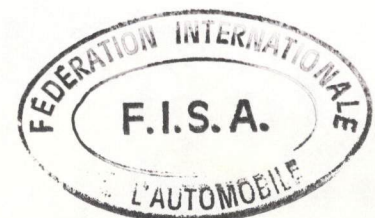
Marque  
Make FORD

Modèle  
Model SIERRA R.S.COSWORTH

N° Homol. A 5323

N° Ext. 06 / 06 V0

Page ou ext. Page or ext.	Art. Art.	Description Description	
7	701	Alternative rear anti-roll bar (mounting position changed and replaces existing part) Main bar diameter from 12.5mm to 30mm (solid or tubular) Type D	Photo 87-48
7	701	Alternative rear anti roll bar (mounting position changed and replaces existing part) Main bar diameter from 12.5mm to 30mm (solid or tubular) Type E	Photo 87-49
	902	Mechanical Roof Ventilators Valid for Rallies only	PHOTO 87-50
7	605	Alternative rear axle ratio 605b 5.125 605c 41/8	
8	803	Brake disc protection shield (front)	Photo 87-51
8	803	Brake disc protection shield (rear)	Photo 87-52
8	803	Dirt removal scoop - front and/or rear wheels	Photo 87-53



Marque  
Make

FORD

Modèle  
Model

SIERRA R.S.COSWORTH

N° Homol.

A 5323

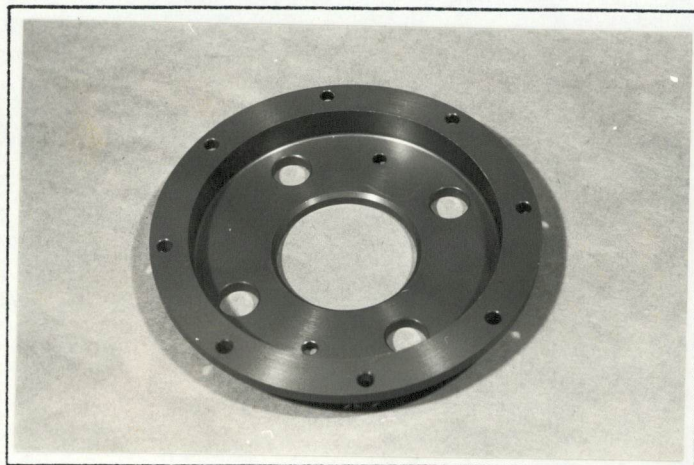
PHOTOS / PHOTOS

N° Ext.

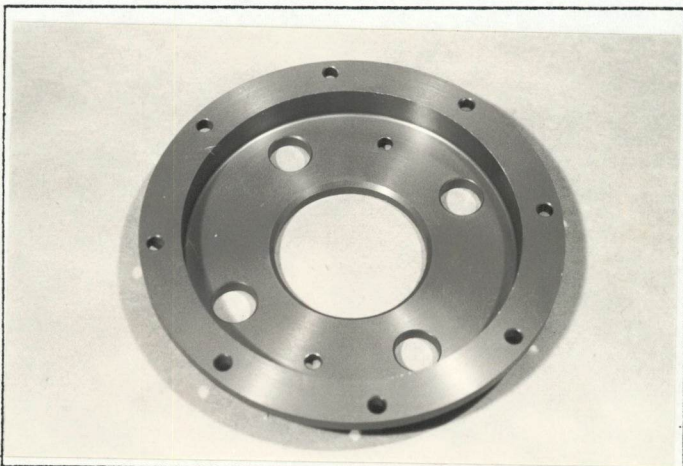
06 / 06 V0



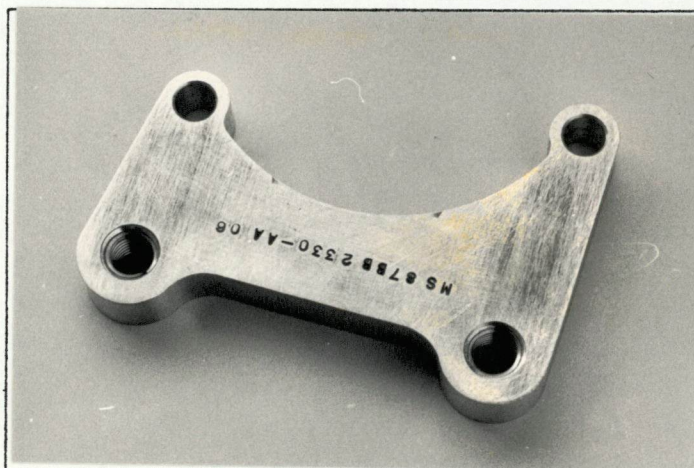
87-41



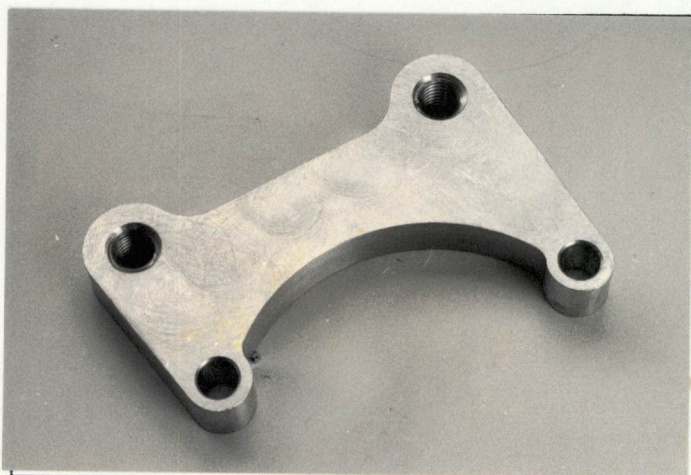
87-42



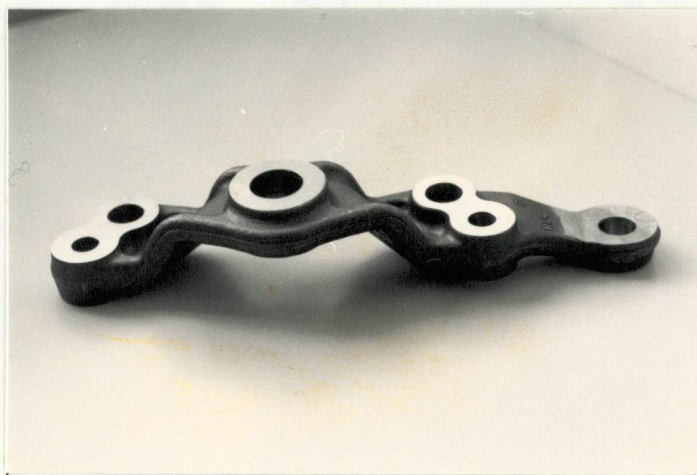
87-43



87-44



87-45



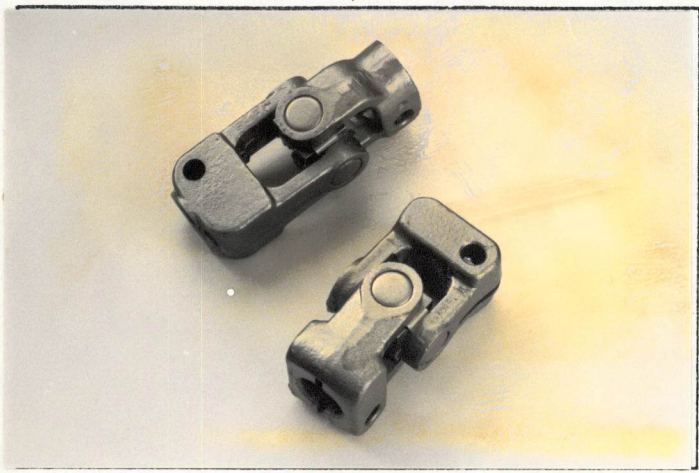
87-46



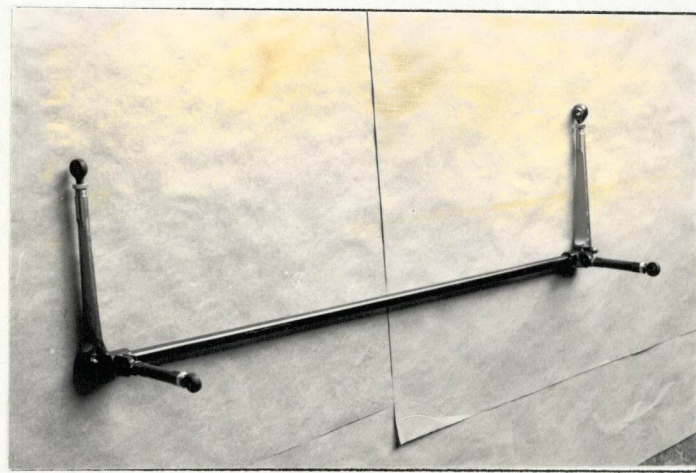
Marque FORD Modèle SIERRA R.S.COSWORTH N° Homol. A 5323  
Make \_\_\_\_\_ Model \_\_\_\_\_

PHOTOS / PHOTOS

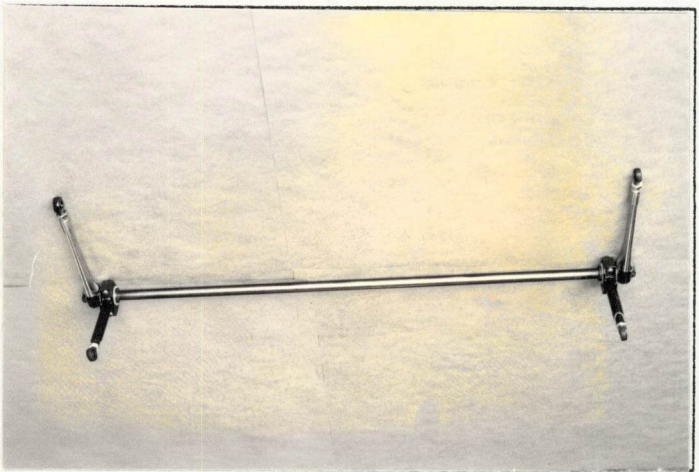
N° Ext. 06 / 06 V0



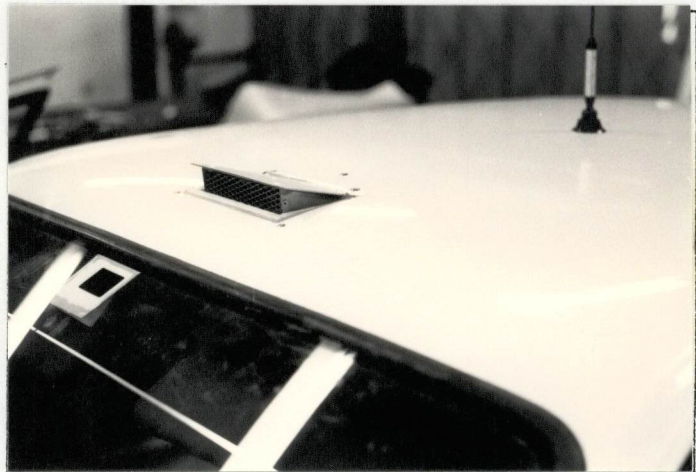
87-47



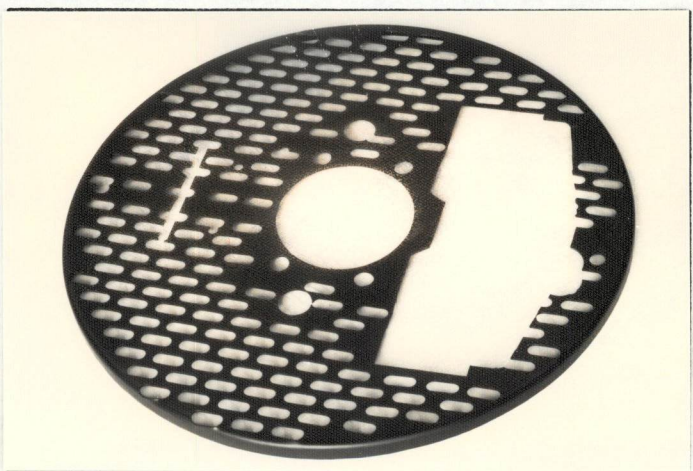
87-48



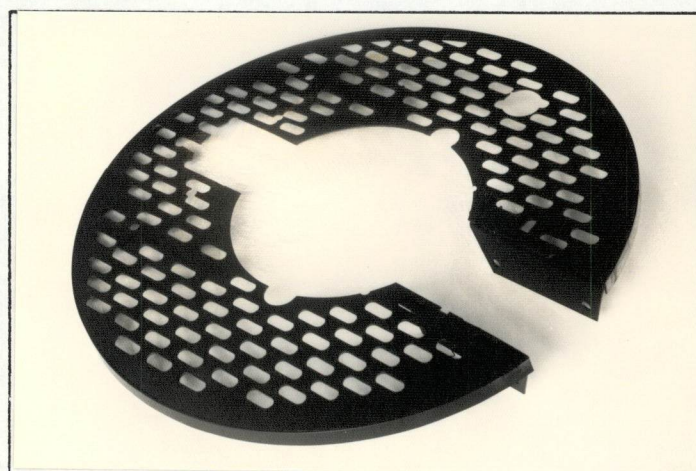
87-49



87-50



87-51



87-52



Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

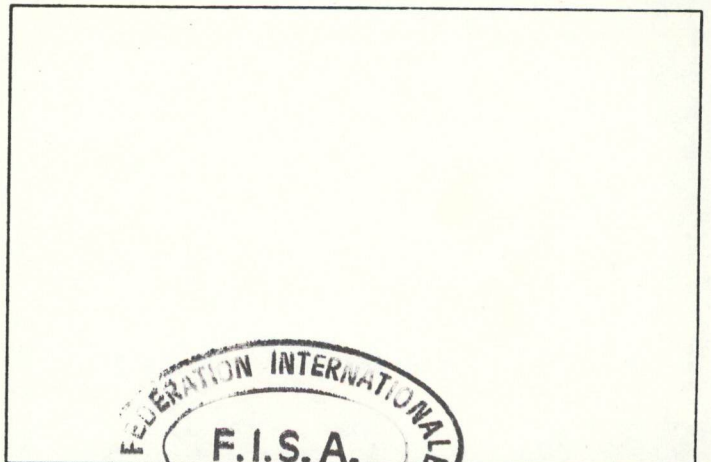
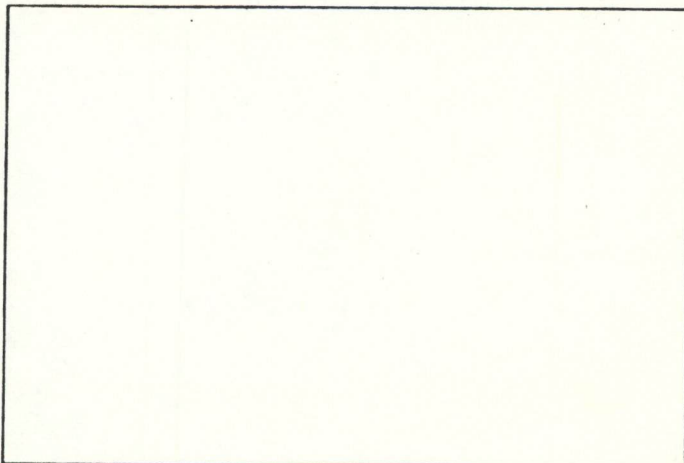
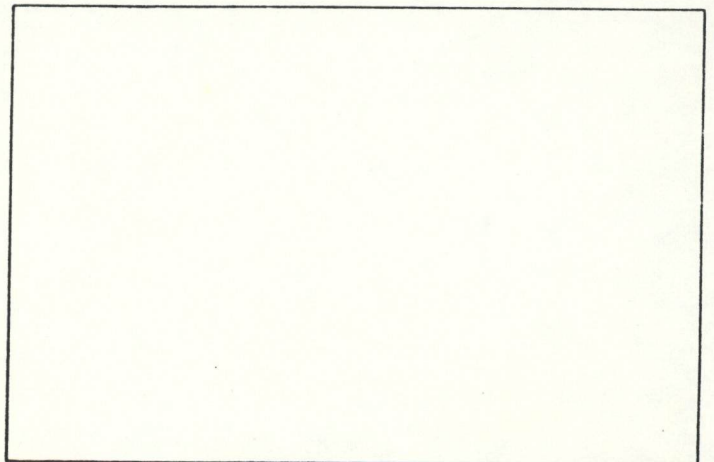
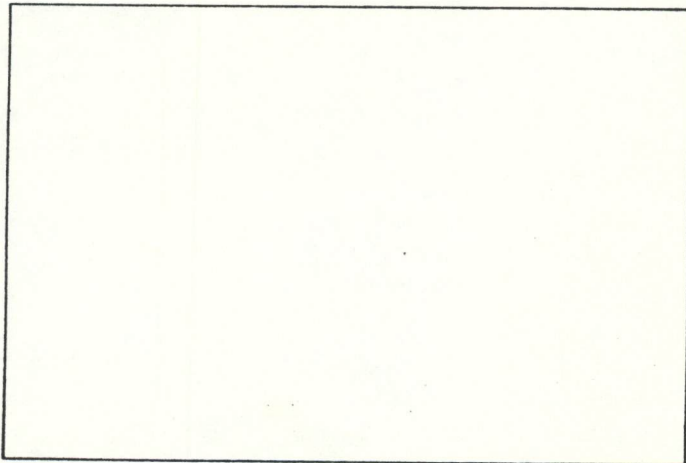
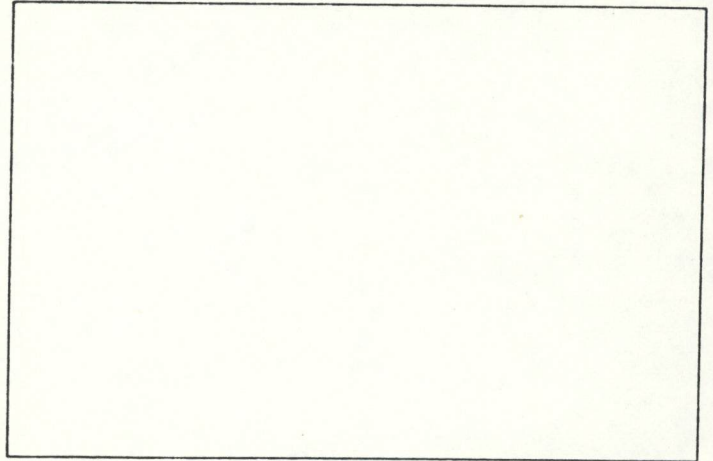
N° Homol. A-5323

PHOTOS / PHOTOS

N° Ext. 06 / 06 VO



87-53





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A-5323

Extension N°

07 / 01 ER

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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** Errata / Erratum

Homologation valable dès le 01 MAI 1987 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA RS COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
------------------------------	--------------	----------------------------

PHOTOS A AND B BELOW CANCEL AND REPLACE PHOTOS A AND B  
SUBMITTED ON PAGE 1 OF THE BASIC DOSSIER.

A



B





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5323

Extension N°

08 / 02 ER

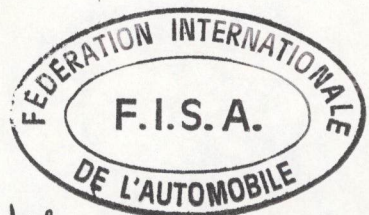
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 JUIN 1987 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA RS COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
9	803g8	Length of brake pad = 89.7mm (was quoted as 98.7mm)



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5323

Extension N°

09 - 01 ES

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

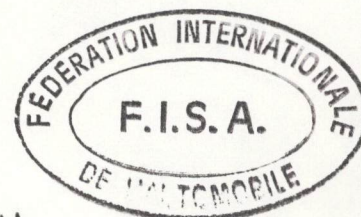
- ES** Evolution sportive du type / Sporting evolution of the type
- ET** Evolution normale du type / Normal evolution of the type
- VF** Variante de fourniture / Supply variant
- VO** Variante option / Option variant
- ER** Errata / Erratum

**NON VALABLE EN RALLYE**  
**NOT VALID FOR RALLY**

Homologation valable dès le \_\_\_\_\_ en groupe \_\_\_\_\_  
Homologation valid as from \_\_\_\_\_ in group A

Constructeur FORD Modèle et type SIERRA RS 500 COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description	
1	104	Revised front spoiler and revised rear spoilers	Photo A87 ; B87
3	313a 313c	Sleeves Type	Optional Dry
3	321	Cylinder head	Modified casting with revised water circulation
4	327a	Inlet manifold	Revised shape
4	324a 324d 324e	Manufacturer Dim Throttle Body Fuel Outlets	FORD, WEBER, MARELLI 65mm 8 Photo C87 ; D87 ; E87 ; F87 ; I87
T2	334	Additional photo's of Turbocharger, Turbine and Impellor wheels	Photo TUR1 ; TUR2



*Signature*



Marque  
Make FORD

Modèle  
Model Sierra RS500 Cosworth

N° Homol. A5323

N° Ext. 09-01ES

603. Boîte de vitesses: a) Emplacement  
Gear-box: Location Behind Engine

b) Marque «manuelle»  
«Manual» make Borg Warner

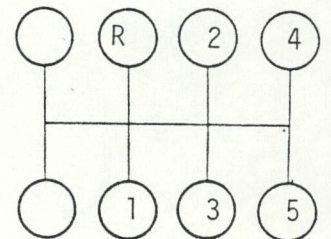
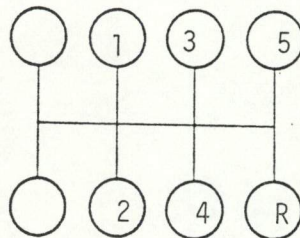
c) Marque «automatique»  
«Automatic» make \_\_\_\_\_

d) Emplacement de la commande  
Location of the gear lever Central - on floor

e) Rapports  
Ratios

	Manuelle / Manual			Automatique / Automatic			B.V. suppl. / Additional G.B.		
	rappports ratio	nombre de dents/ number of teeth	synchro.	rappports ratio	nombre de dents/ number of teeth	synchro.	rappports ratio	nombre de dents/ number of teeth	synchro.
1	2.952	32/14	X				2.337	36/16	X
2	1.937	33/22	X				1.681	34/21*	X
3	1.336	30/29	X				1.355	30/23	X
4	1.000	direct	X				1.163	28/25	X
5	0.804	33/53	X				1.000	direct	X
AR/R	2.755	32/15					2.661	41/16	
Constante	1.292	31/24					1.038	27/26	

f) Grille de vitesse  
Gear change gate



6 | 603 | Additional gear box is as per photograph | 86 - 54

7 | 701b | Rear suspension Modified rear bracket shown | Photo U87

All variant options for Sierra RS Cosworth are applicable to Sierra RS500 Cosworth



Marque  
Make FORD

Modèle  
Model SIERRA RS500 COSWORTH

N° Homol. A5323

09-01ES

N° Ext.

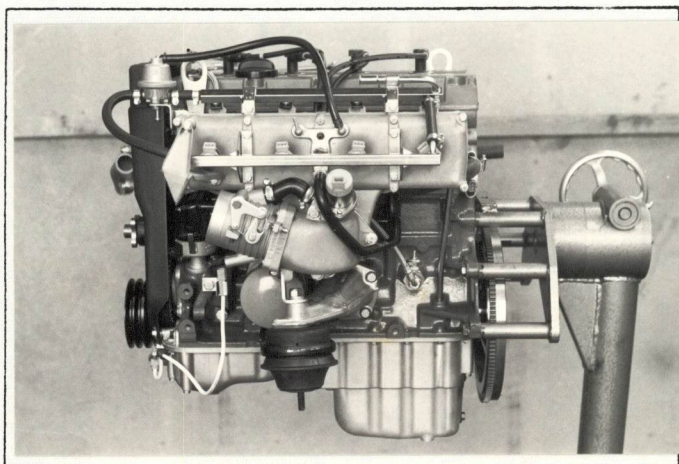
PHOTOS / PHOTOS



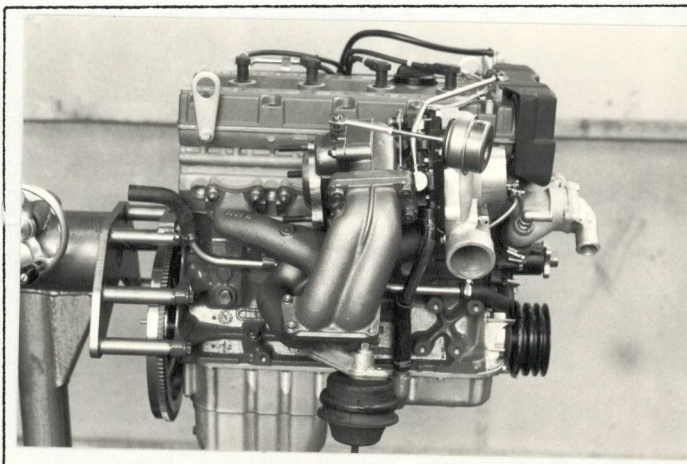
A87



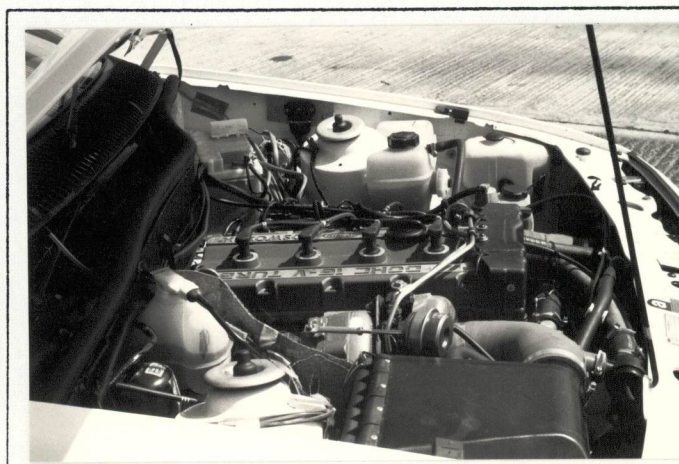
B87



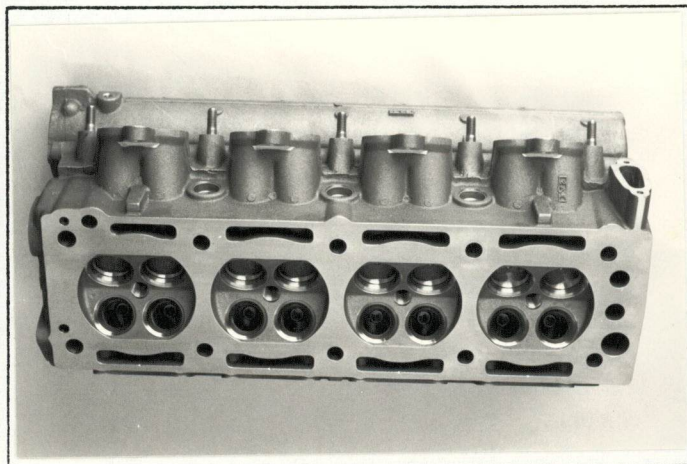
C87



D87



E87



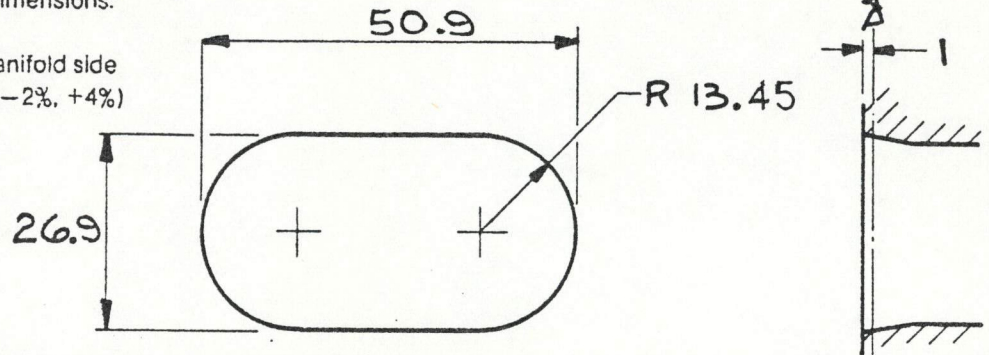
F87



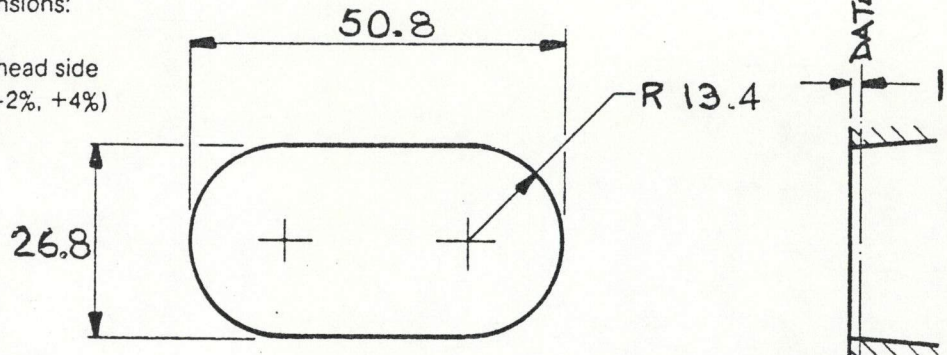
DESSINS / DRAWINGS

Moteur / Engine

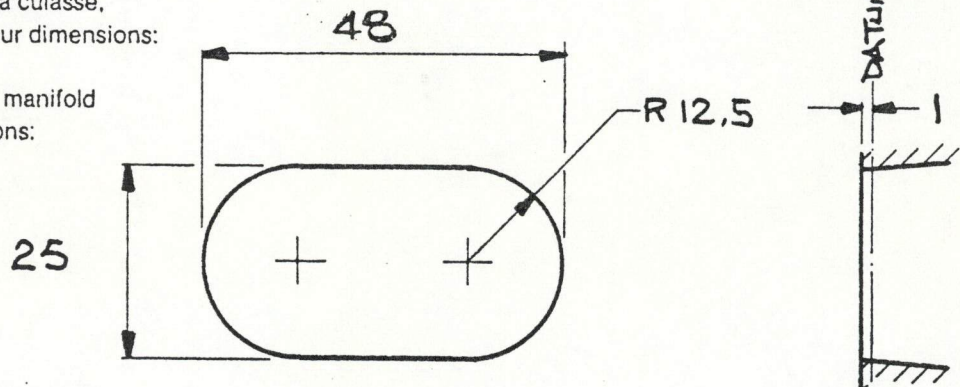
- I Orifices d'admission de la culasse, face collecteur (tolérances sur dimensions: -2%, +4%)  
Cylinderhead inlet ports, manifold side (tolerances on dimensions: -2%, +4%)



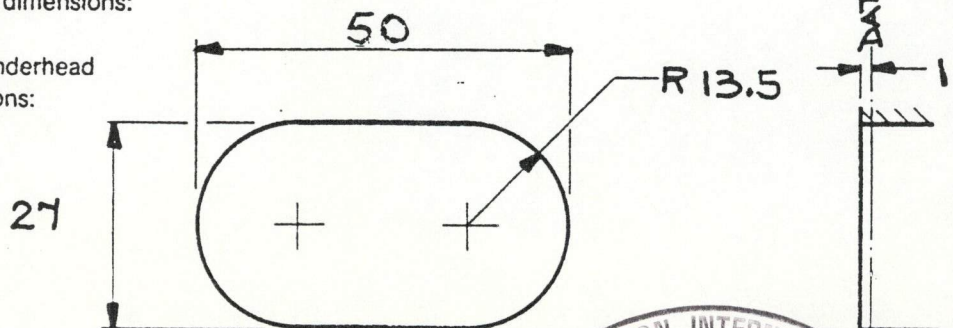
- II Orifices du collecteur d'admission, côté culasse (tolérances sur dimensions: -2%, +4%)  
Inlet manifold ports, cylinderhead side (tolerances on dimensions: -2%, +4%)



- 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%)



09-01ES

f) Régulation de la pression :  
Pressure regulation :

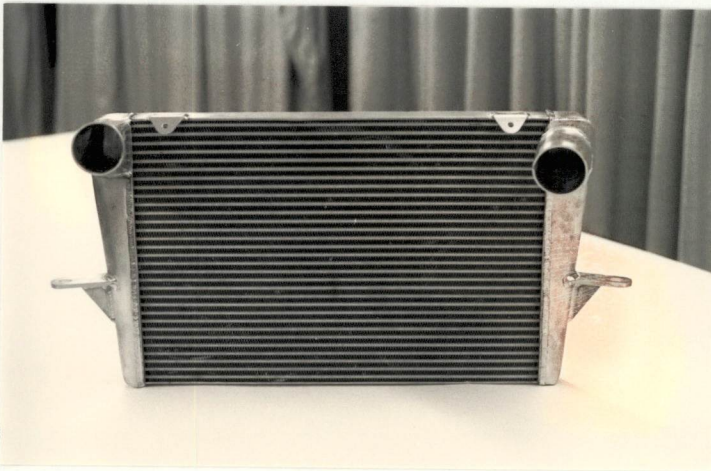
f1) Type de régulation de la pression :  by-pass  soupape de décharge  
Type of pressure adjustment :  by-pass  relief valve  autre cas  
other case

f2) Préciser le type de la soupape et son contrôle  
Indicate the type of the valve and its control Swing valve controlled by spring and diaphragm unit from engine management unit.

g) Système d'échappement :  
Exhaust system :

Dimensions intérieures de l'éventuel tuyau d'échappement entre le collecteur d'échappement et le turbocompresseur (dessin)  
Internal dimensions of the eventual exhaust pipes between exhaust manifold and turbocharger (sketch)

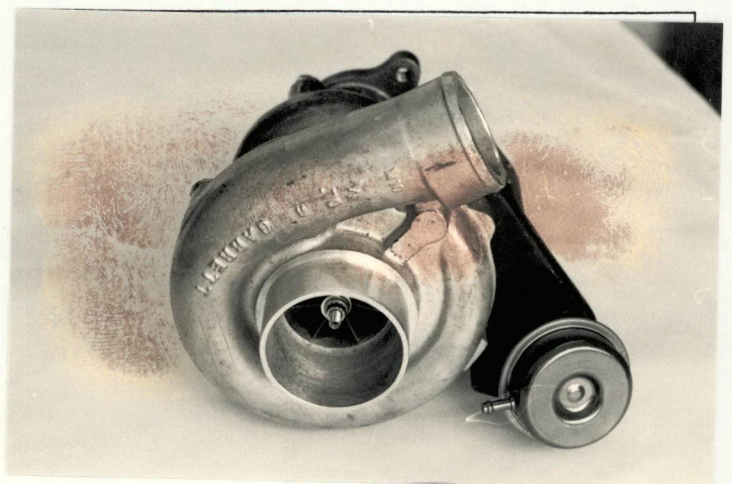
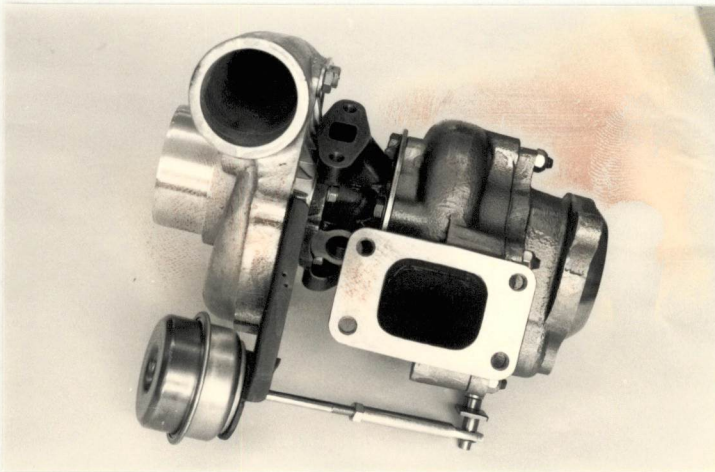
Exhaust manifold details shown on page 10 of original form.  
Cooling of intake air = Yes System = Air to Air  
Air diameter, inlet = 65mm +/- 2mm  
Air diameter, outlet = 65mm +/- 2mm



k) Vue de dessus du turbo compresseur  
Plan view of turbocharger



l) Vue de face du turbo compresseur  
Front view of turbocharger



Marque FORD  
Make

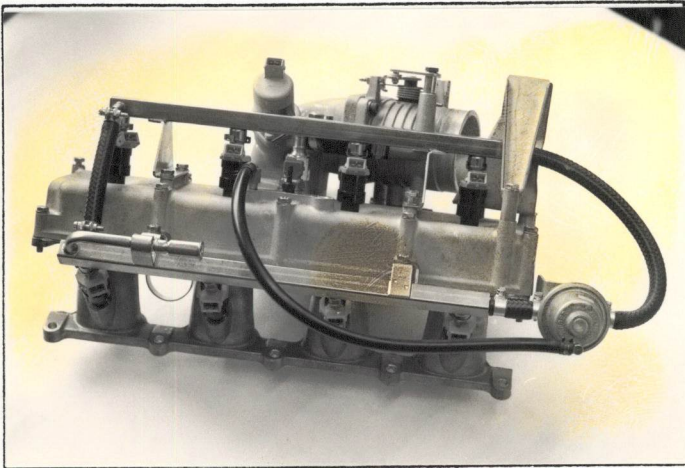
Modèle SIERRA RS500 COSWORTH  
Model

N° Homol. A 5323

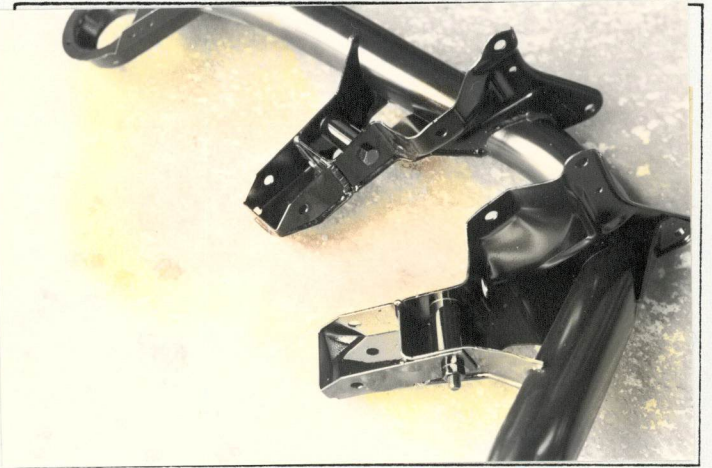
**09 - 01 ES**

PHOTOS / PHOTOS

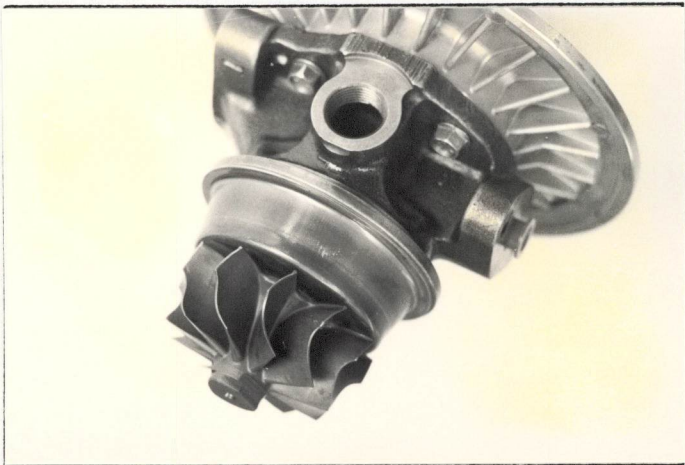
N° Ext. \_\_\_\_\_



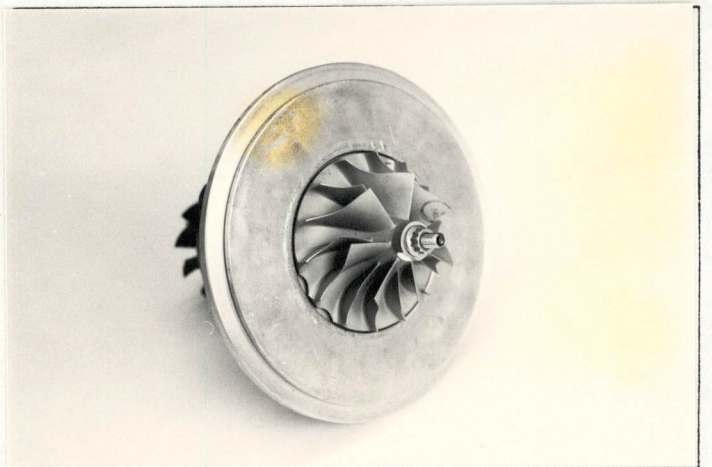
I87



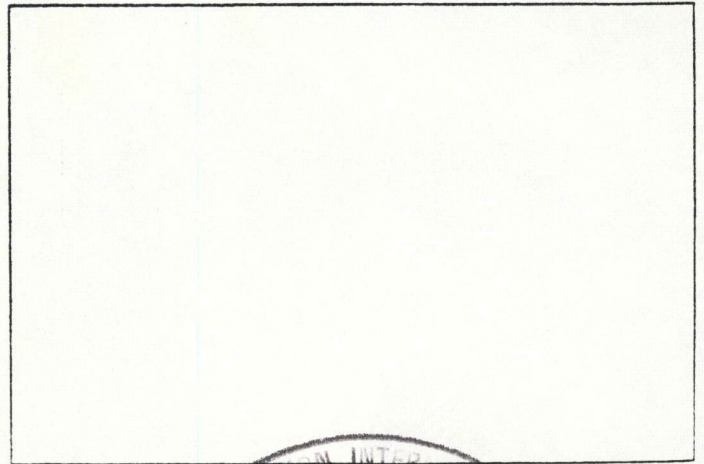
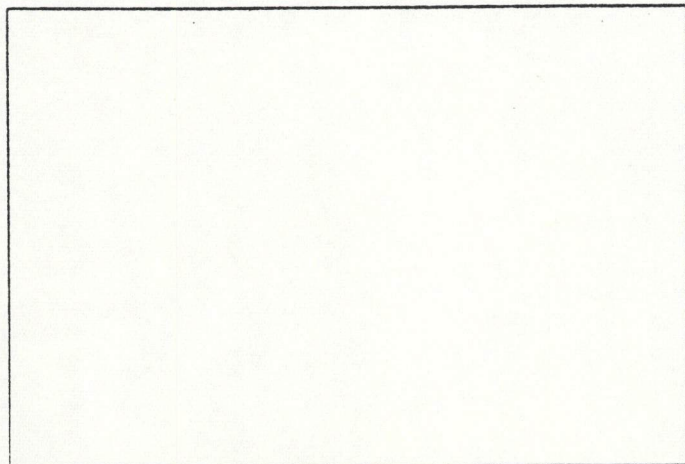
U87



TUR1



TUR2





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5323

09 - 01 ES

Groupe  
Group **A/B**

## FICHE D'HOMOLOGATION ADDITIONNELLE POUR MOTEURS SURALIMENTÉS PAR TURBOCOMPRESSEUR(S) ADDITIONAL HOMOLOGATION FORM FOR TURBO CHARGED ENGINES

Véhicule : Constructeur FORD Modèle et type SIERRA RS500 COSWORTH  
 Vehicle : Manufacturer FORD Model and type SIERRA RS500 COSWORTH

Homologation valable à partir du 1 AUGUST 1987 en groupe A  
 Homologation valid as from 1 AUGUST 1987 in group A

334. Suralimentation  
Turbocharging

a) Marque et type du turbo compresseur GARRETT  
 Make and type of the turbocharger GARRETT

b) Carter de turbine :  
Turbine housing :

b1) Nombre d'entrées des gaz d'échappement 1  
 Number of exhaust gas entries 1

b2) Matériau IRON ALLOY  
 Material IRON ALLOY

c) Roue de turbine :  
Turbine wheel :

c1) Matériau INCONEL  
 Material INCONEL

c2) Nombre d'aubes 11  
 Number of blades 11

c3) Hauteur(s) d'une aube 18.74 +/- 0.3 mm  
 Height(s) of blade 18.74 +/- 0.3 mm

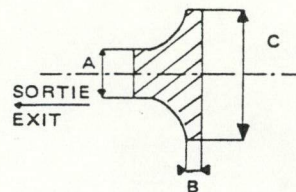
c4) Préciser les cotes A,B,C, selon le schéma suivant :

Indicate the dimensions A, B, C, according to the following sketch :

A = 56.62 mm +/- 0.1mm

B = 9.53 mm +/- 0.36mm

C = 65.00 mm +/- 0.5mm



d) Carter de compression :  
Impeller housing :

d1) Nombre d'entrée d'air (mélange) 1  
 Number of air entries (gas) 1

d2) Matériau LIGHT ALLOY  
 Material LIGHT ALLOY

e) Roue de compression  
Impeller wheel :

e2) Nombre d'aubes 14  
 Number of blades 14

e3) Hauteur(s) d'une aube 20.02 & 17.13 mm  
 Height(s) of blade 20.02 & 17.13 mm  
 +/- 0.11mm

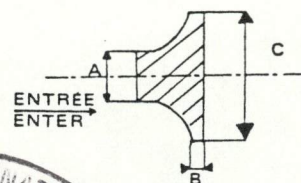
e4) Préciser les cotes A, B, C selon le schéma suivant :

Indicate the dimensions A, B, C, according to the following sketch,

A = 57.02 mm +/- 0.1mm

B = 7.62 mm +/- 0.36mm

C = 76.07 mm + 0.15 - 0.3mm



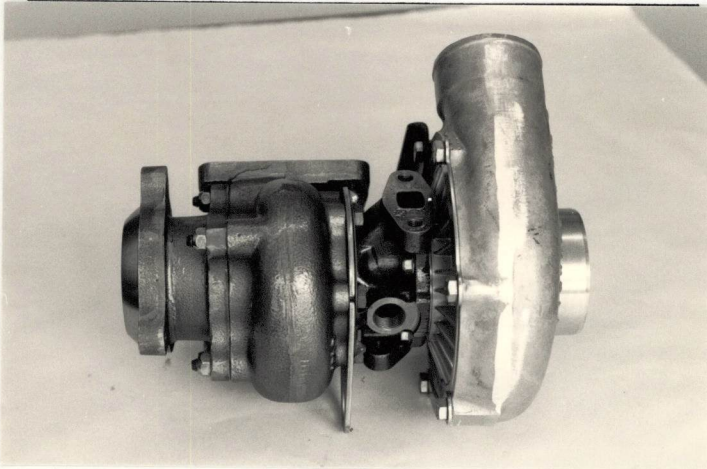
Marque  
Make FORD

Modèle  
Model SIERRA RS500 COSWORTH

N° Homol. A5323

09-01ES

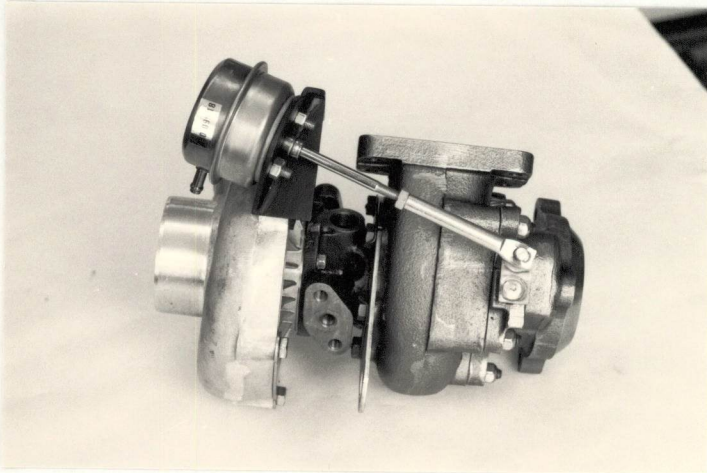
M) Vue de côté du turbocompresseur  
Side view of turbocharger



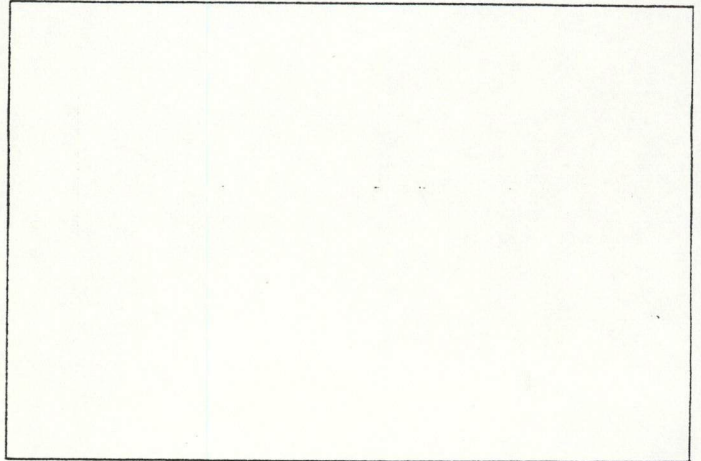
N) Carter de turbine du turbocompresseur  
Turbine housing of turbocharger



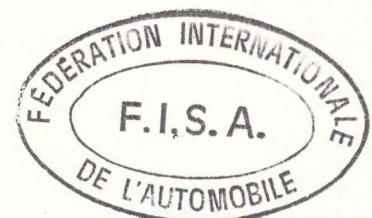
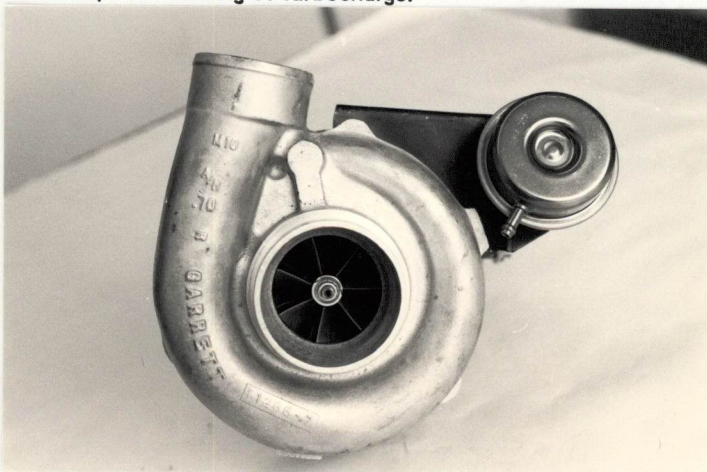
O) Soupape et montage du by-pass du turbocompresseur  
Valve and by-pass installation of turbocharger



P) Eventuel échappement entre le collecteur d'échappement et le turbocompresseur.  
Eventual exhaust pipes between the exhaust manifold and the turbocharger.

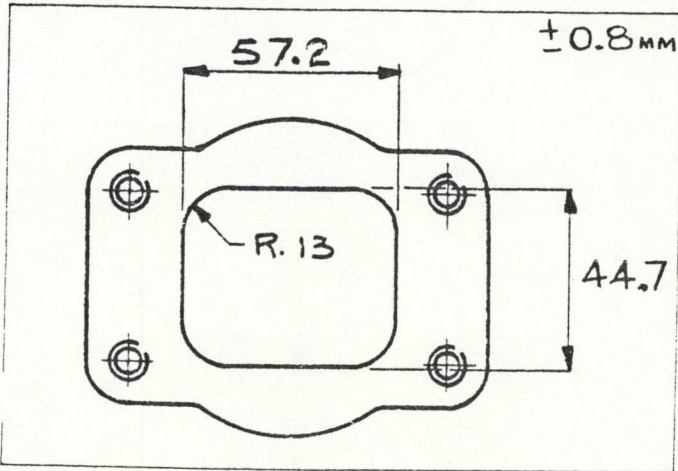


Q) Carter de compression du turbocompresseur  
Impeller housing of turbocharger

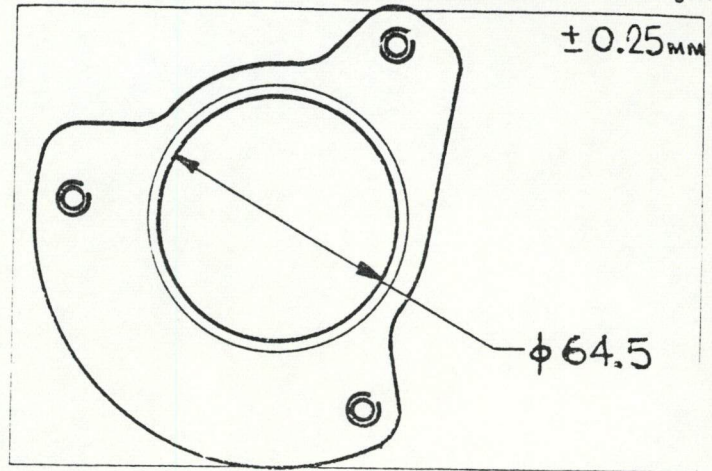


DESSINS / DRAWINGS

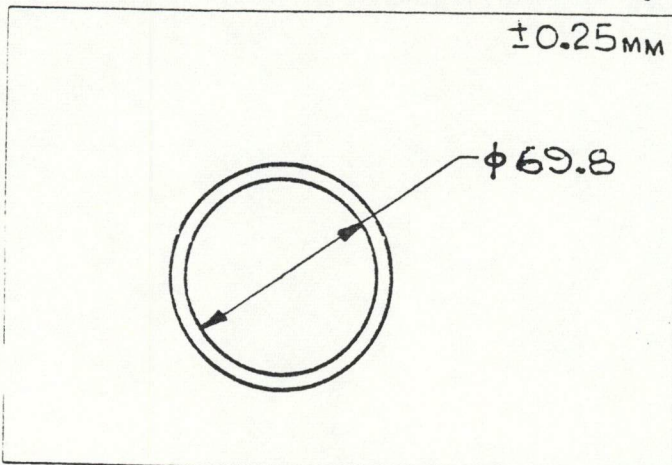
V) Entrée des gaz d'échappement dans le carter de turbine du turbocompresseur  
Exhaust gas entry in the turbine housing of turbocharger.



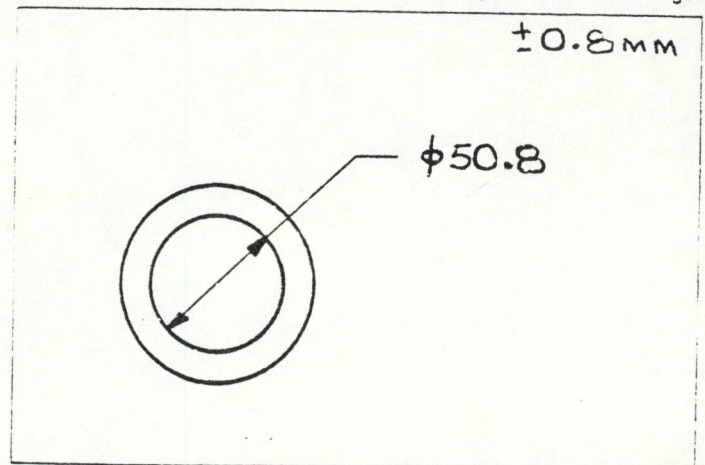
VI) Sortie des gaz d'échappement du carter de turbine de turbocompresseur.  
Exhaust gas exit of the turbine housing of turbocharger.



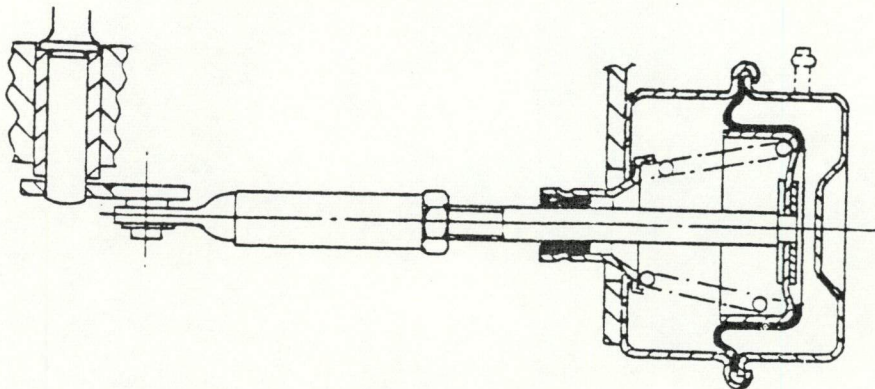
VII) Entrée de l'air (mélange) dans le carter de compression du turbocompresseur.  
Air (gas) entry in the impeller housing of the turbocharger



VIII) Sortie de l'air (mélange) du carter de compression du turbocompresseur.  
Air (gas) exit of the impeller housing of the turbocharger.



IX. Dispositif réglant la pression de suralimentation  
Device regulating the turbocharging pressure.







# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5323

Extension N°

10 / 07 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 AOUT 1987 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA RS COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
7	606	Alternative 2 piece transmission shaft with C.V. joint <span style="float: right;">Photo 87 - 55</span>
7	606	Alternative H.D. Carbon Fibre Transmission shaft <span style="float: right;">Photo 87 - 56</span>
7	701a	Eccentric front suspension top mount <span style="float: right;">Photo 87 - 57</span>
7	701a	Shock absorber body - front with adjustable spring seat and revised camber setting <span style="float: right;">Photo 87 - 58</span>
		Type Tar 2 <span style="float: right;">Photo 87 - 59</span>
		Type Tar 3 <span style="float: right;">Photo 87 - 60</span>
		Type Gra.2
7	701	Rear differential output shaft spacers to allow equal length drive shafts (standard and H.D. Assembly) <span style="float: right;">Photo 87 - 61</span>
7	705	Alternative drop link assembly for variant option anti-roll bars (front suspension) <span style="float: right;">Photo 87 - 62; 87-63</span>

*[Signature]*

**10 / 07 V0**

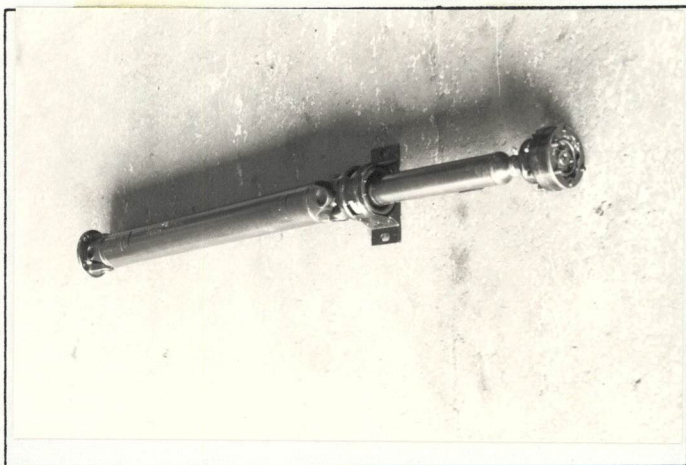
N° Ext. \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description	
8	803	Brake cooling duct Front	Photo 87 - 64
8	803	Brake cooling duct Rear	Photo 87 - 65
8	803	Alternative brake caliper bell (Disc to hub connector)	
		Type D	Photo 87 - 66
		Type E	Photo 87 - 67
		Type F	Photo 87 - 68
		Type G	Photo 87 - 69
		Type H	Photo 87 - 70
		Type I	Photo 87 - 71
8	803c	Brake Servo ; if the original (production) brake pedal box is replaced by a 'Variant Option' brake pedal box, then the original Power brake pump assembly is also removed to make room for the variant option pedal box.	
9	803g9	Optional cross drilling pattern for the following discs; 87-26 : 87-28 : 86-29 : 87-30 : 86-50 : 86-46 : 86-47	Photo 87 - 72
7	701	Heavy duty rear suspension link (interchangeable with Std. Component)	
		Type G	Photo 87 - 74

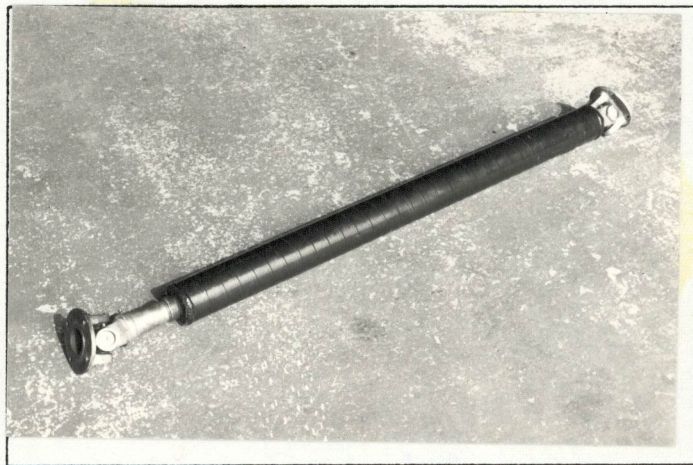


PHOTOS / PHOTOS

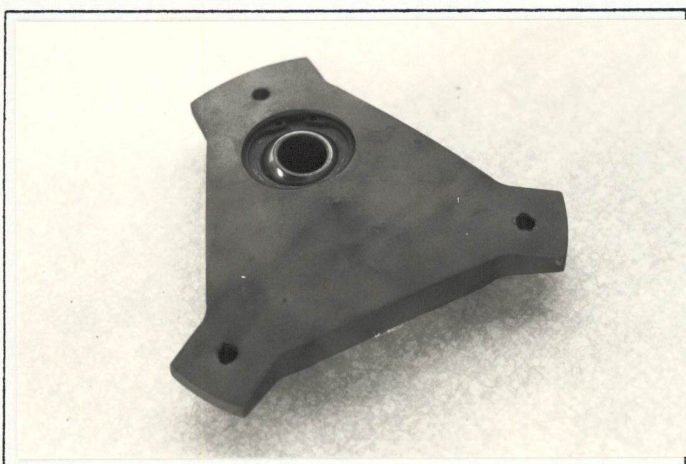
N° Ext. 10 / 07 V0



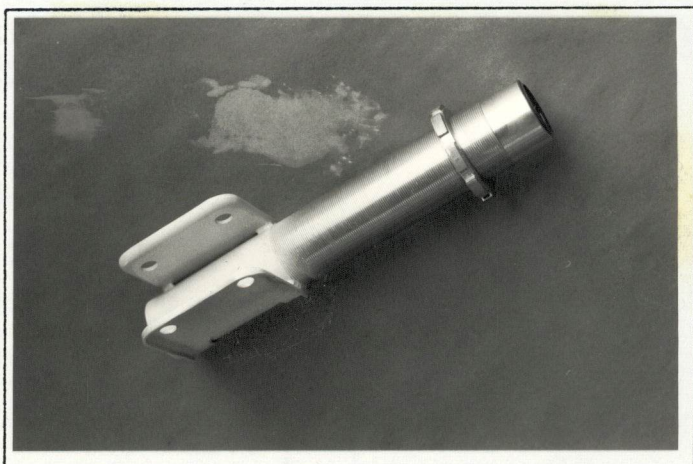
87 - 55



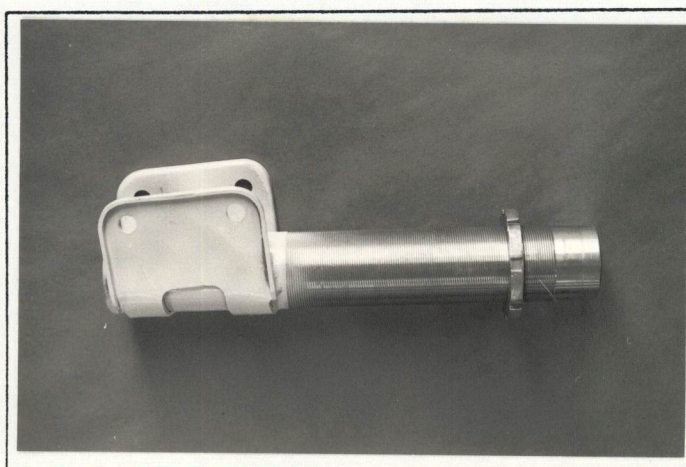
87 - 56



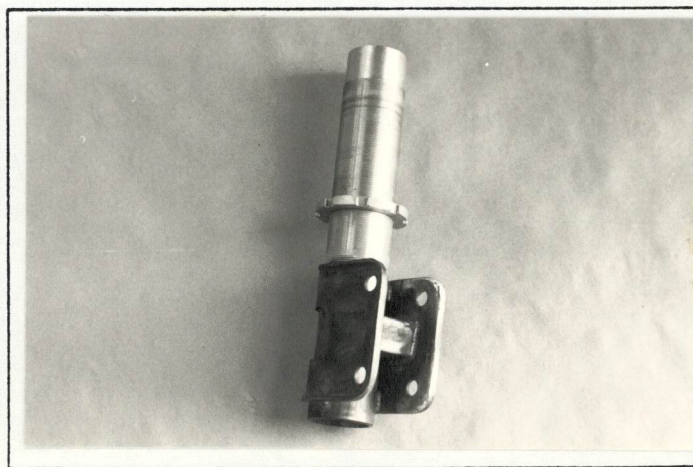
87 - 57



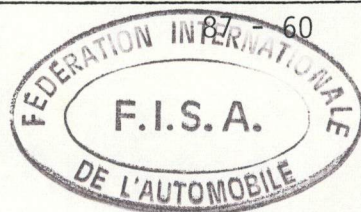
87 - 58



87 - 59



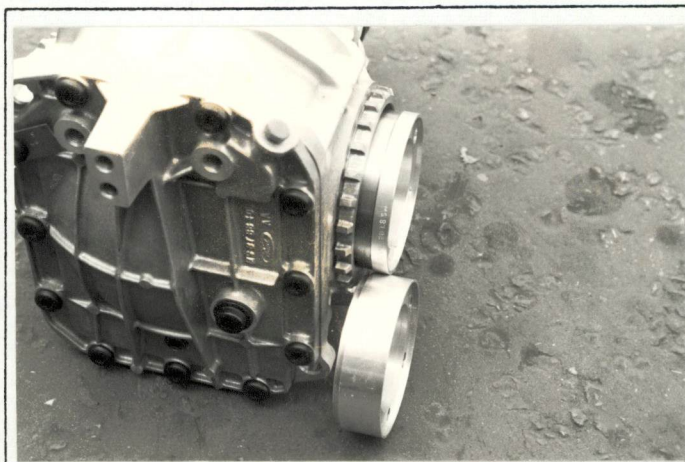
87 - 60



10 / 07 V0

PHOTOS / PHOTOS

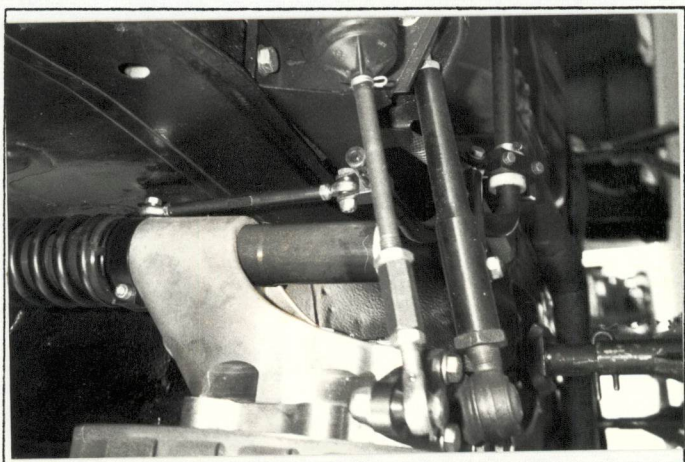
N° Ext. \_\_\_\_\_



87 - 61



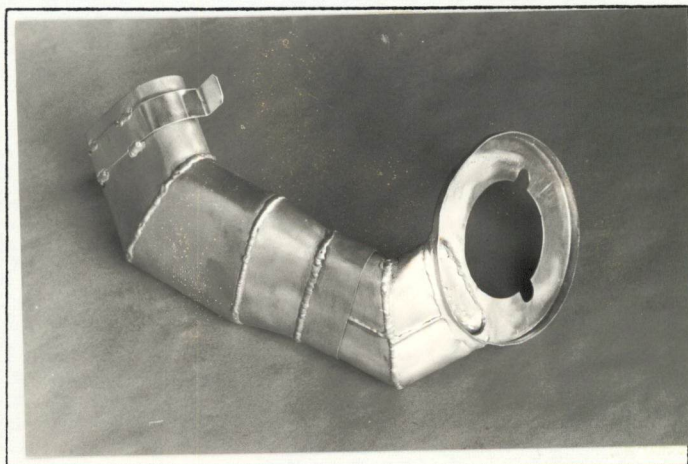
87 - 62



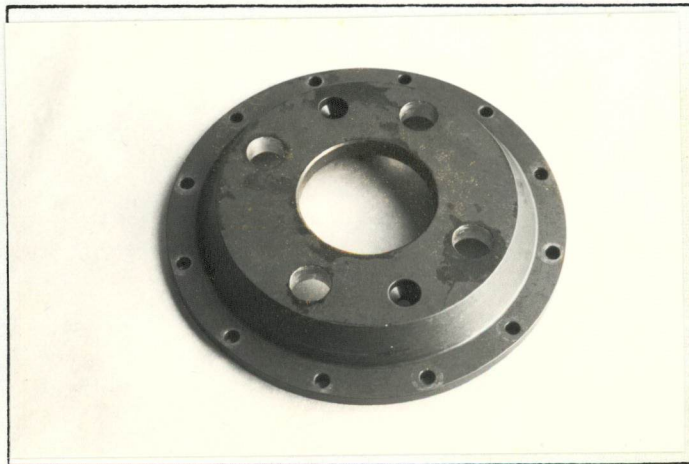
87 - 63



87 - 64



87 - 65



87 - 66

Marque Make FORD

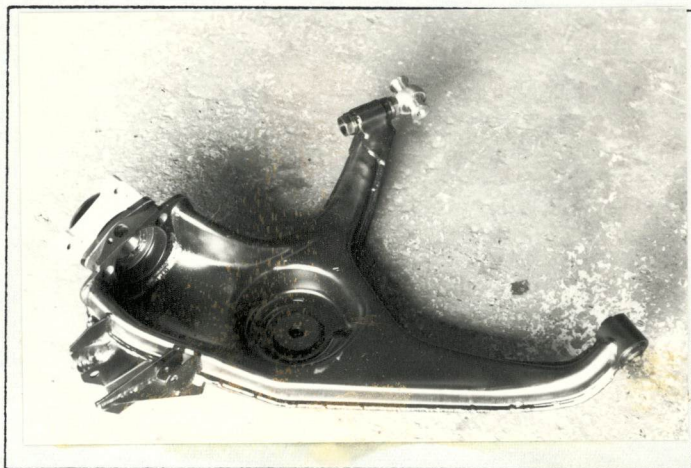
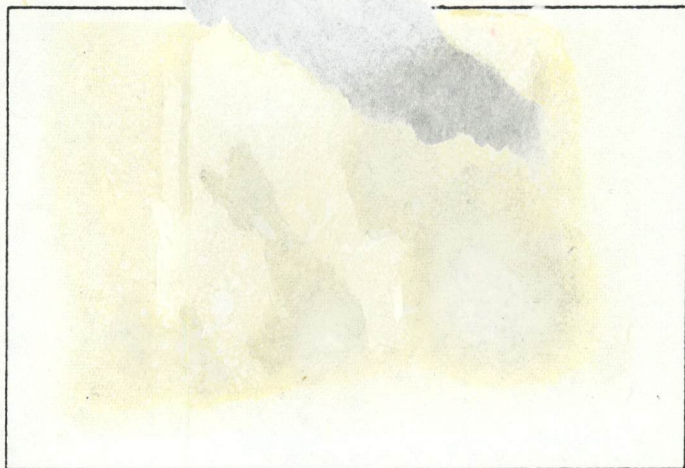
Modèle Model SIERRA RS COSWORTH

N° Homol. A5323

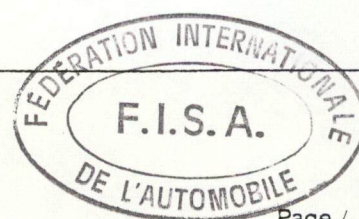
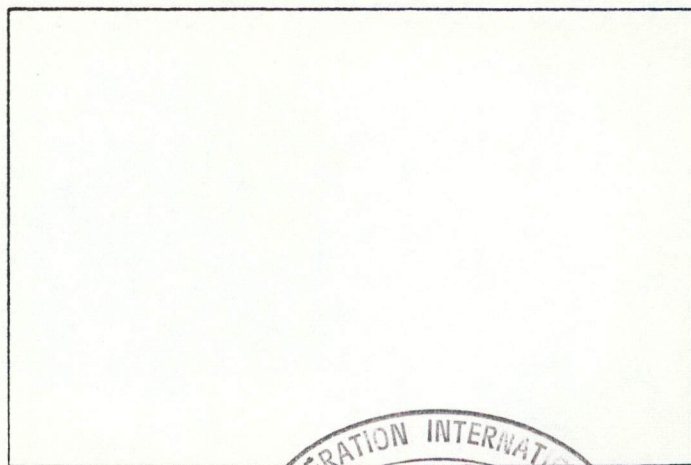
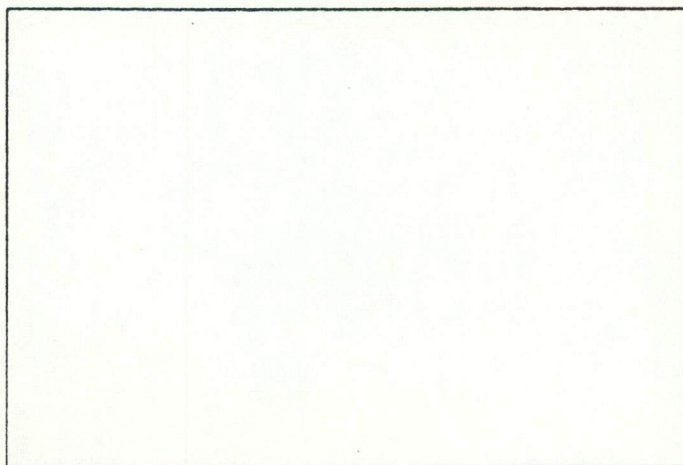
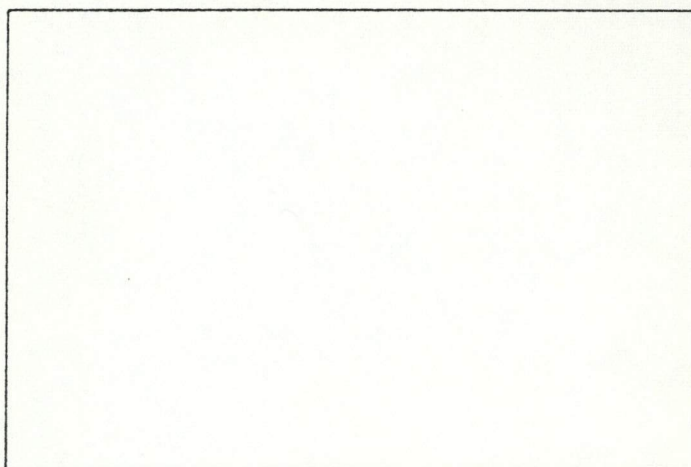
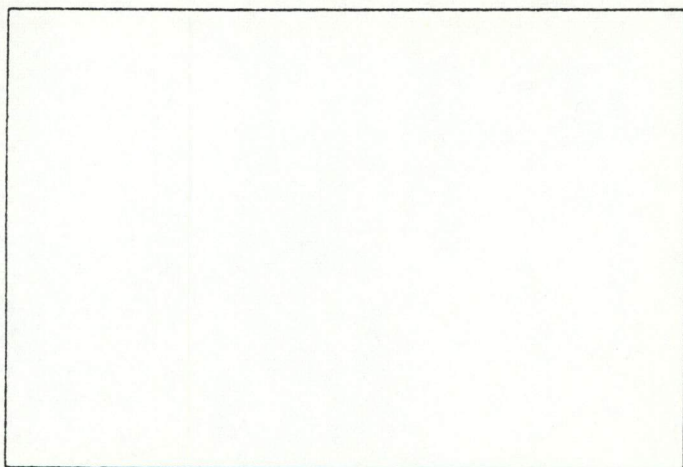
**10 / 07 V0**

PHOTOS

N° Ext. \_\_\_\_\_



87 - 74





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

11 / 03 ER

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 OCT. 1987 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA R.S. COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
8 04/04 VO	803	Photo's 87 - 19 and 87 - 24 have been transposed Photo 87 - 19 is manufactured by ALCON Photo 87 - 24 is manufactured by A.P. Racing.



*[Handwritten signature]*

Marque FORD  
Make

Modèle SIERRA RS COSWORTH  
Model

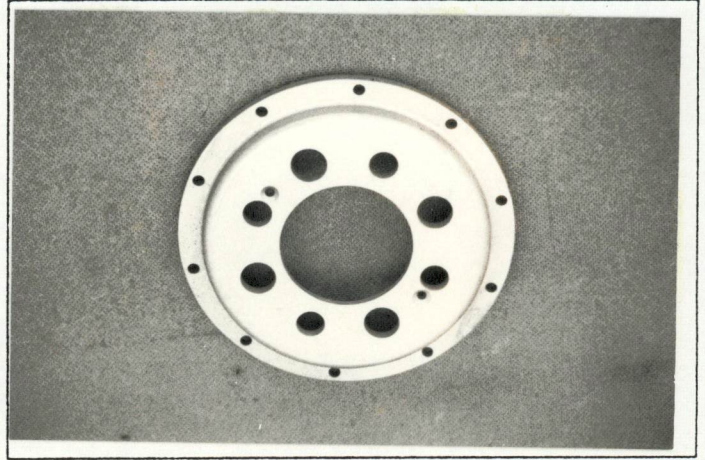
N° Homol. A5323

PHOTOS / PHOTOS

N° Ext. 10 / 07 V0



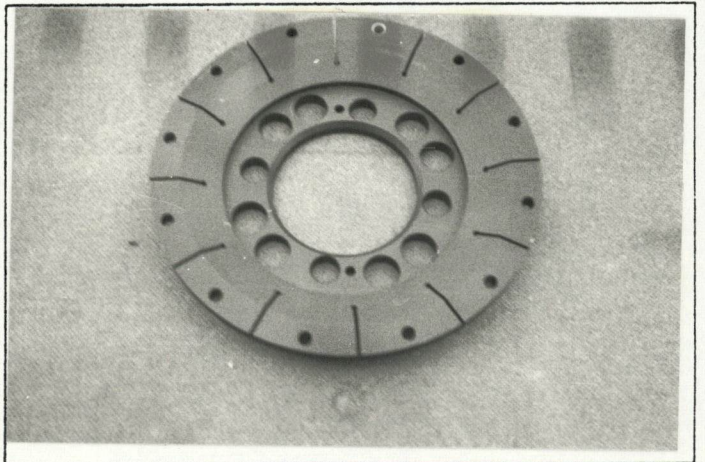
87 - 67



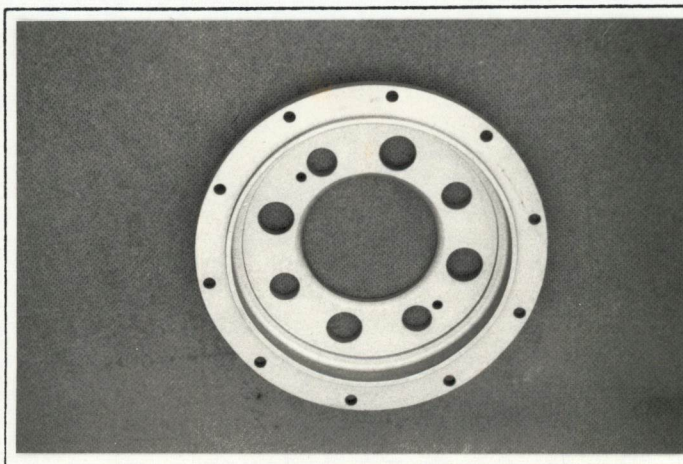
87 - 68



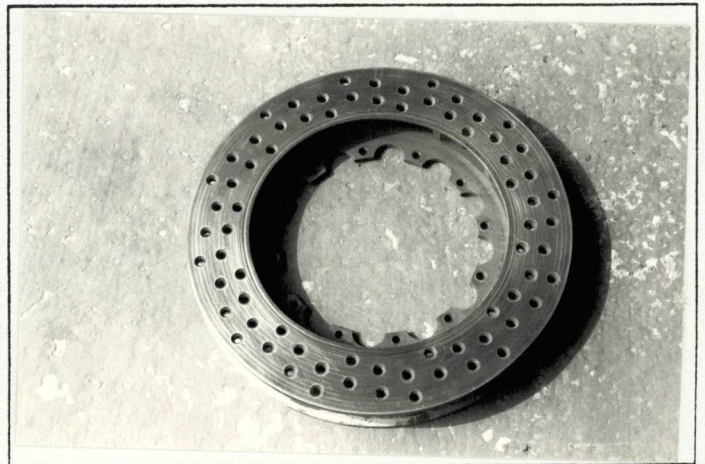
87 - 69



87 - 70



87 - 71



87 - 72



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5323

Extension N°

12 / 04 ER

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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** Errata / Erratum

Homologation valable dès le \_\_\_\_\_ 1er Octobre 1987 \_\_\_\_\_ en groupe \_\_\_\_\_ A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur \_\_\_\_\_ FORD \_\_\_\_\_ Modèle et type \_\_\_\_\_ Sierra RS Cosworth \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
09/01 ES	324d	Read : effective dimensions : 66 mm +/- 0,25 mm  Instead of : effective dimensions : 65 mm
03/03 VO	603	The gearbox presented on the extension of homologation N° 03/03 VO (photo 86-54) is not usable with the elements mentioned on the evolution N° 09/01 ES.



*Signature*





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

13 / 08 VO

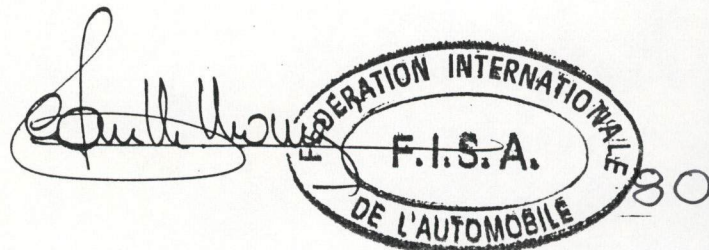
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 OCT. 1987 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA R.S.COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description	
6	603	Alternative output flange to additional gearbox for use with alternative propshaft. Valid only for the additional gearbox relating to Sporting Evolution N° 09-01 ES.	Photo 87 - 75
7	605	Alternative final drive ratios Ratio 3.083 : 3.250 : 3.417 : 3.636 : 3.818 : 4.091 : 4.273 Teeth 37/12 : 39/12 : 41/12 : 40/11 : 42/11 : 45/11 : 47/11	
7	605	Rear drive shaft assembly type B	Photo 87 - 76
7	605	Rear drive shaft assembly type C	Photo 87 - 77
7	606	Alternative 2 piece transmission shaft with Hookes joint	Photo 87 - 78
7	606	Differential output shafts, for equal length drive shafts type B	Photo 87 - 79
7	606	Differential output shafts, for equal length drive shafts type C Installed in H.D. Casing	Photo 87 - 80 Photo 87 - 81
7	701	Alternative H.D. front stub axle and wheel flange	Photo 87 - 82



Marque  
Make FORD

Modèle  
Model SIERRA R.S. COSWORTH

N° Homol. A 5323

N° Ext. 13 / 08 V0

Page ou ext. Page or ext.	Art. Art.	Description Description	
7	701	Revised heavy duty knuckle, front suspension Interchangeable with previous units	Photo 87 - 83
7	701	Heavy duty rear suspension link (interchangeable with standard component) type G	Photo 87 - 84
7	701	Heavy duty rear suspension link (interchangeable with standard component) type H	Photo 87 - 85
7	701	Heavy duty rear suspension link (interchangeable with standard component) type J	Photo 87 - 86
7	701	Rear shock absorber assembly with adjustable concentric spring, original spring removed - steel	Photo 87 - 87
7	701	Rear shock absorber assembly with adjustable concentric spring, original spring removed - alloy	Photo 87 - 88
7	701	Front anti-roll bar support bracket (May be bolted or welded to chassis) 2 off per car - clarifies photo 87 - 39	Photo 87 - 89
7	701	Rear anti-roll bar support bracket (May be bolted or welded to chassis) 2 off per car - clarifies photo 87 - 40)	Photo 87 - 90
8	803	Front and/or rear caliper 803e No. of Cylinders 4 803e1 Cylinder bore 2x41.3mm:2x38.1mm 803g1 No. of Pads 2 803g2 No. of Calipers 1 803g3 Caliper Material Alum. alloy. 803g8 Pad length +/- 1.5mm 130 supplier = A.P.Racing. (N.B. If caliper is used on rear axle, then an extra handbrake caliper may also be used)	Photo 87 - 91
8	803	Disc front and/or rear : Disc may be cross-drilled, grooved, or cross drilled and grooved 803g4 Max.disc thickness mm 32 35.5 803g5 max disc O.D. +/- 1.5mm 330 330 803g6 max O.D. Pad +/- 1.5mm 330 330 803g7 min disc I.D. +/- 1.5mm 222 222 803g9 Ventilated yes yes 803g10 braking surface cm <sup>3</sup> 936 936 (Actual swept area may be less depending on caliper used)	Photo 87 - 92 Photo 87 - 93 Photo 87 - 94



Marque  
Make FORD

Modèle  
Model SIERRAR.S.COSWORTH

N° Homol. A 5323

N° Ext. **13 / 08 V0**

Page ou ext. Page or ext.	Art. Art.	Description Description	
8	803	Hydraulic brake proportioning valve. May be fitted in front or rear brake lines. Mounted in cockpit. Supplier Tilton	Photo 87 - 95
8	803	Revised hydraulic handbrake lever assembly	Photo 87 - 96
8	803	Alternative dual cylinder brake pedal box assembly with adjustment possible from the cockpit (replaces existing pedal box and power brake assembly) Cylinder size from 12.5mm to 25.5mm, and with remote fluid reservoir. Type F	Photo 87 - 97
9	804	H.D. steering shaft assembly with support bearing and Hookes joints	Photo 87 - 98
9	804	Alternative Power steering rack assembly - interchangeable with previous unit, and same steering ratio	Photo 87 - 99



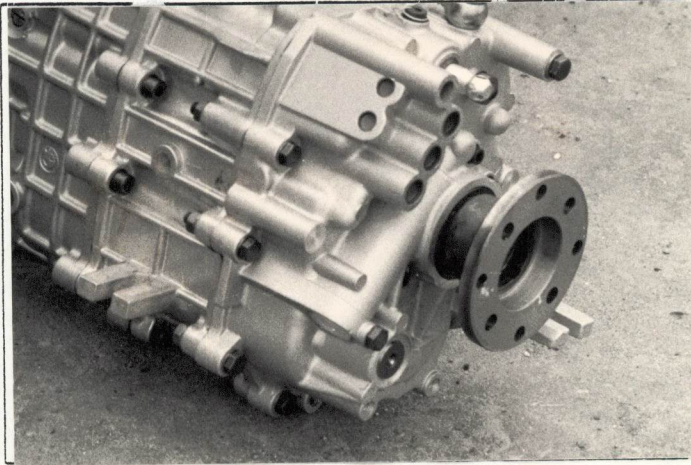
Marque  
Make FORD

Modèle  
Model SIERRA R.S.COSWORTH

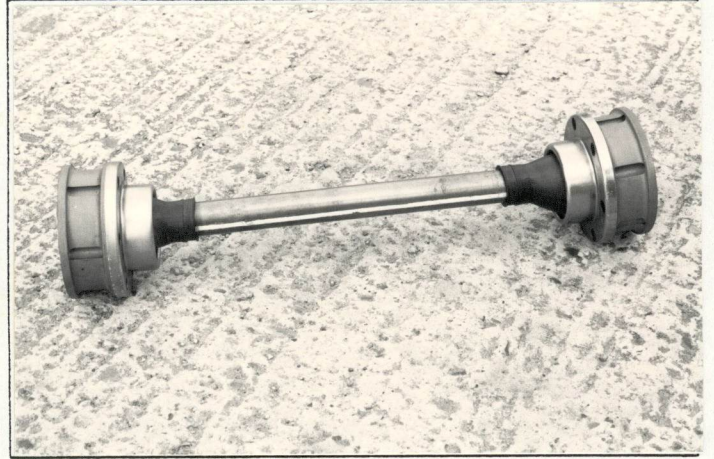
N° Homol. A 5323

PHOTOS / PHOTOS

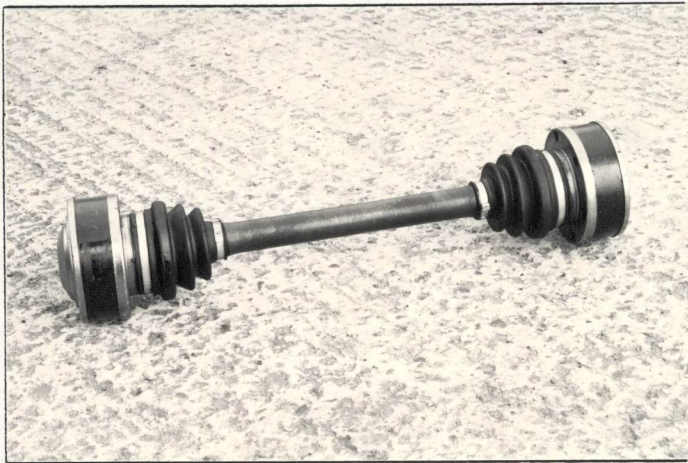
N° Ext. 13 / 08 V0



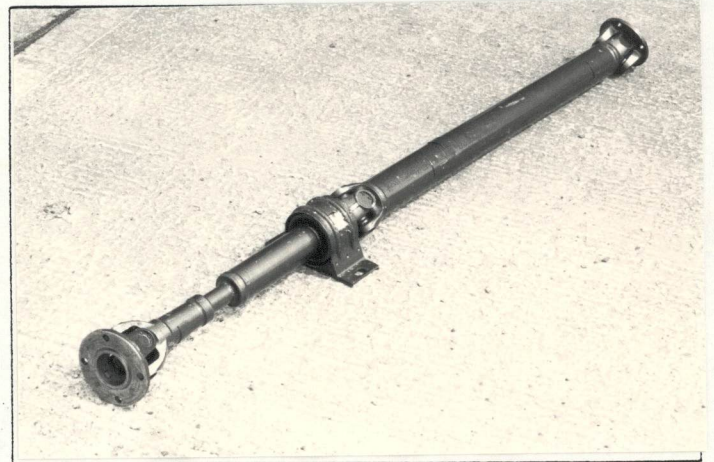
87 - 75



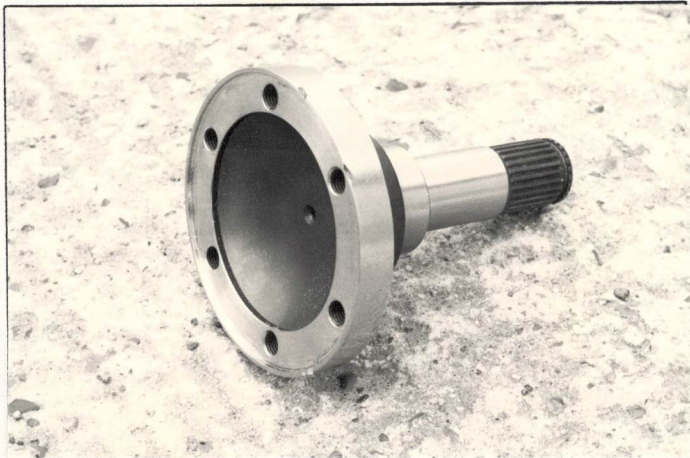
87 - 76



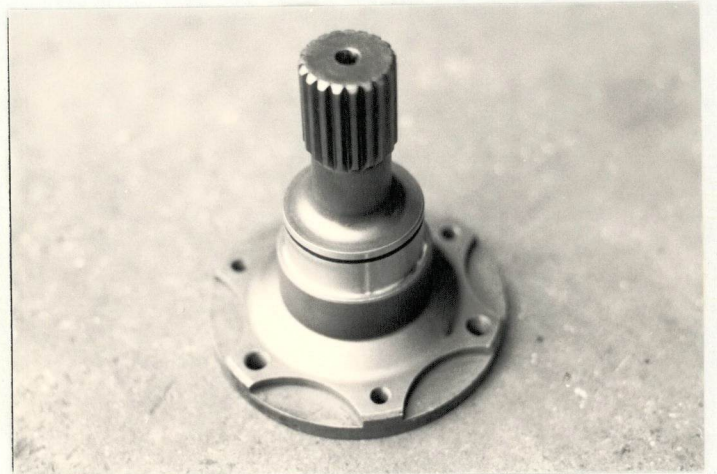
87 - 77



87 - 78



87 - 79



87 - 80

Marque  
Make

FORD

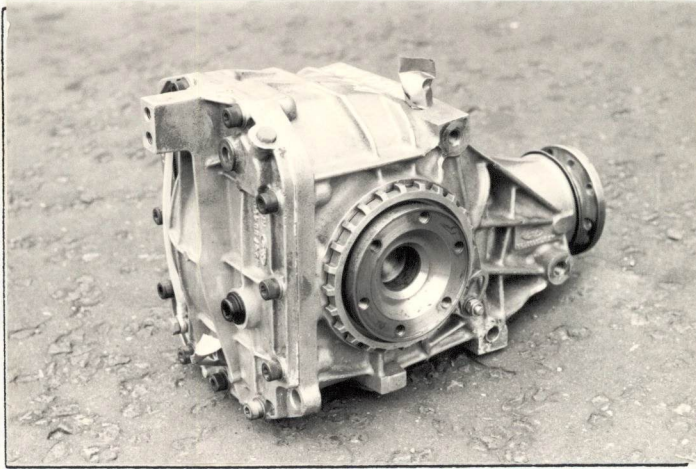
Modèle  
Model

SIERRA R.S. COSWORTH

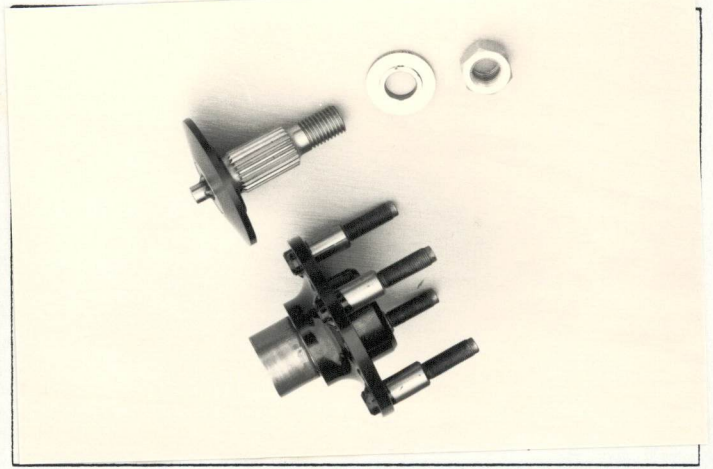
N° Homol. A 5323

PHOTOS / PHOTOS

N° Ext. **13 / 08 V0**



87 - 81



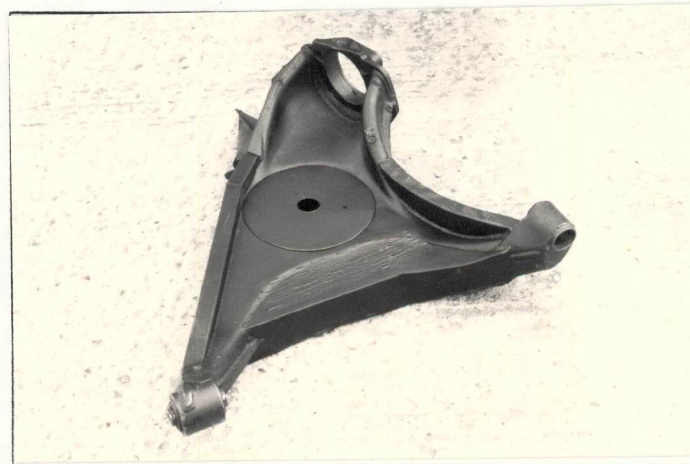
87 - 82



87 - 83



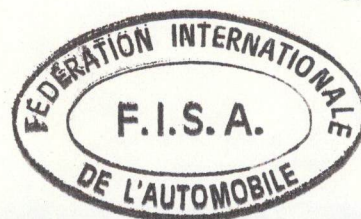
87 - 84



87 - 85



87 - 86



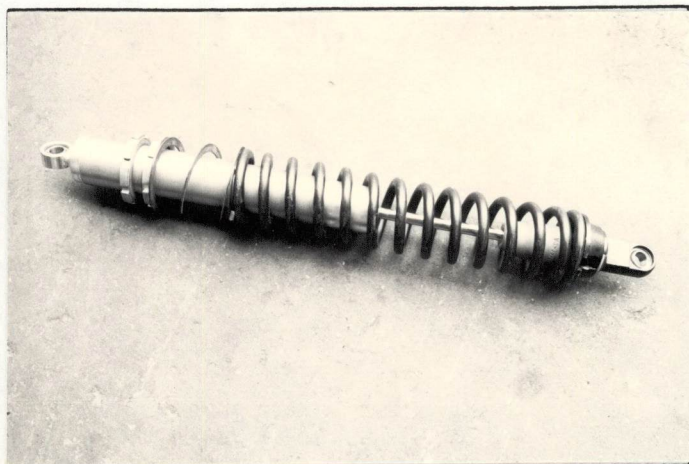
Marque FORD  
Make

Modèle SIERRA R.S. COSWORTH  
Model

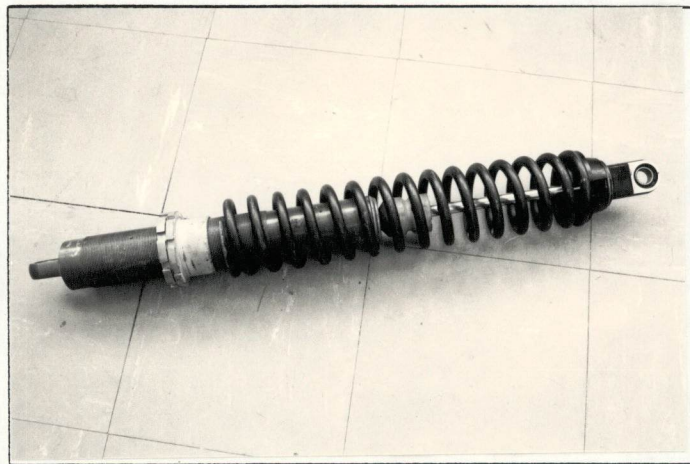
N° Homol. A 5323

PHOTOS / PHOTOS

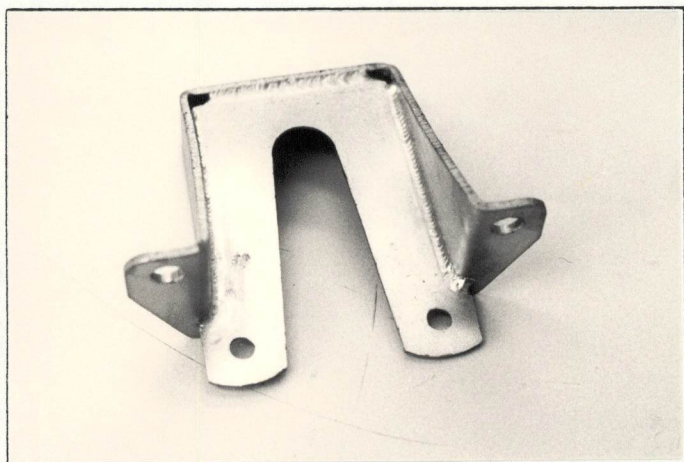
N° Ext. 13 / 0 8 V0



87 - 87



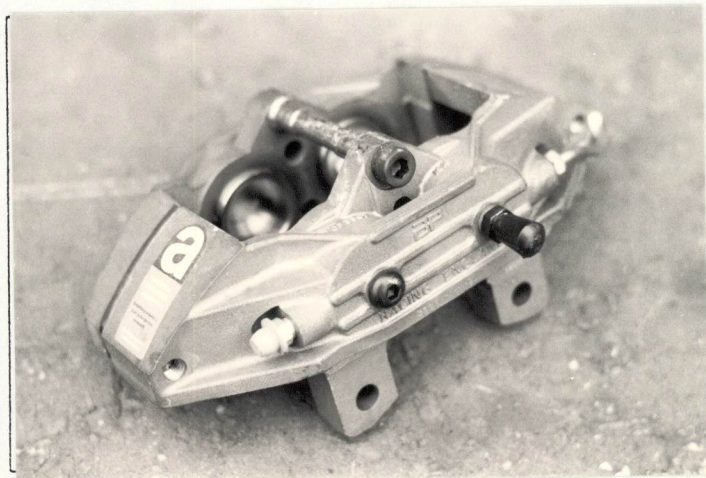
87 - 88



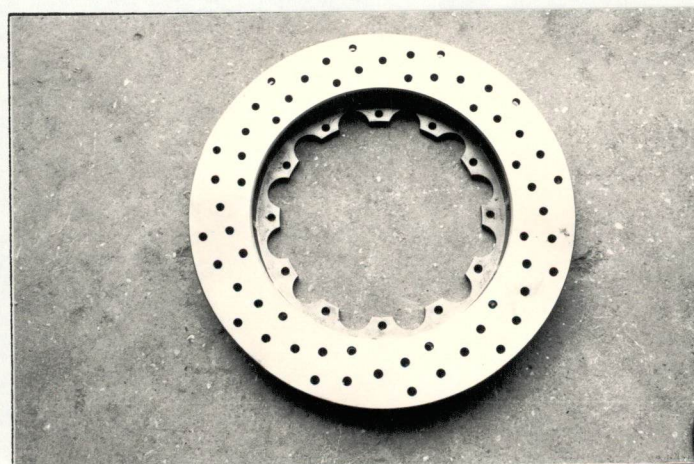
87 - 89



87 - 90



87 - 91



87 - 92

Marque FORD  
Make FORD

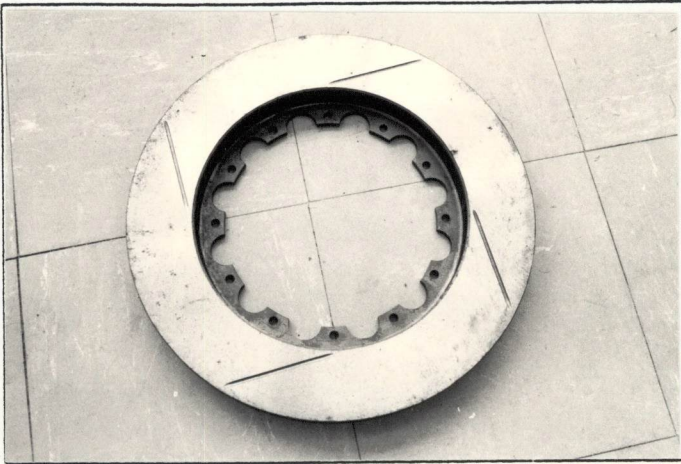
Modèle SIERRA R.S.COSWORTH  
Model SIERRA R.S.COSWORTH

N° Homol. A 5323

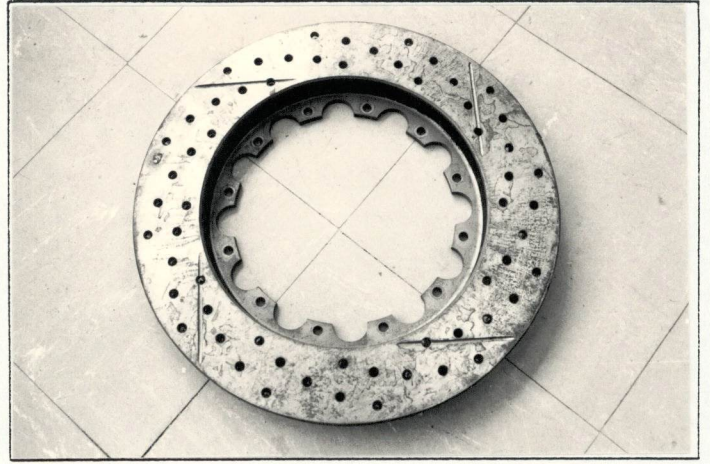
**13/0810**

PHOTOS / PHOTOS

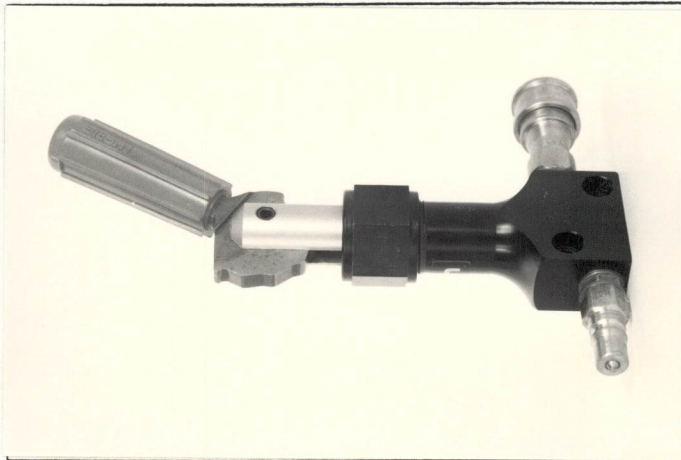
N° Ext. \_\_\_\_\_



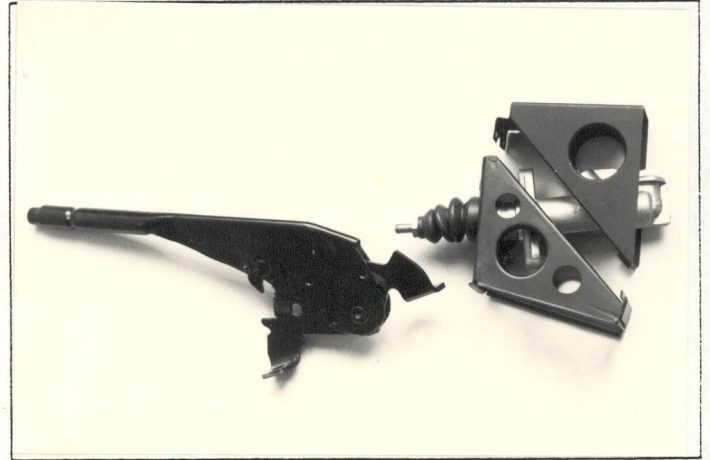
87 - 93



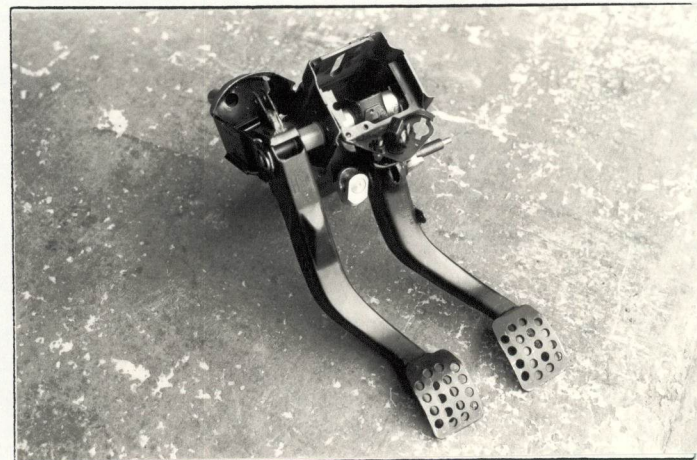
87 - 94



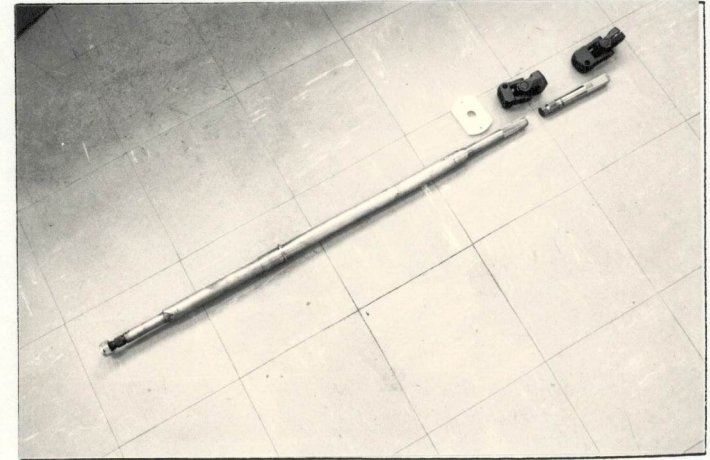
87 - 95



87 - 96



87 - 97



87 - 98

Marque  
Make FORD

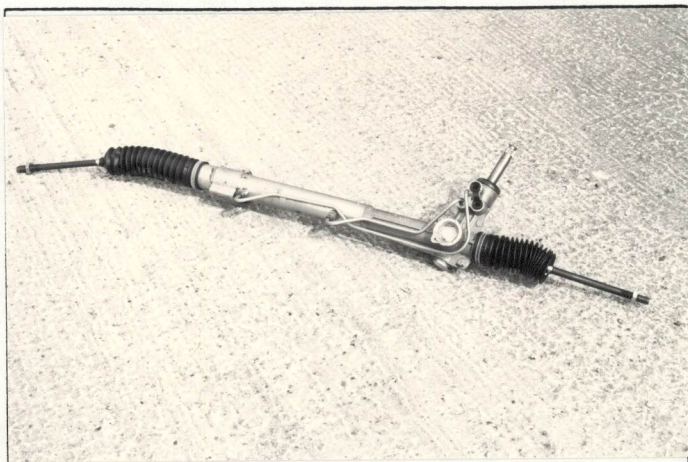
Modèle  
Model SIERRA R.S.COSWORTH

N° Homol. A 5323

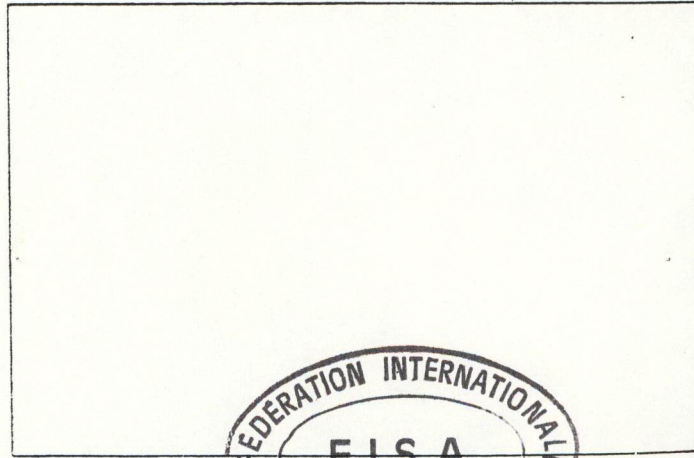
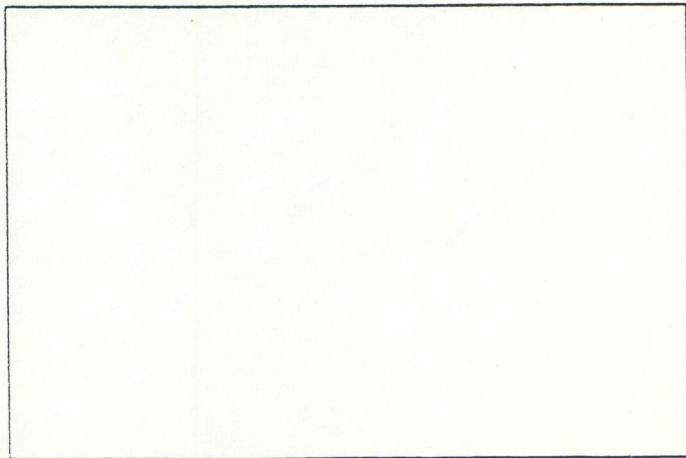
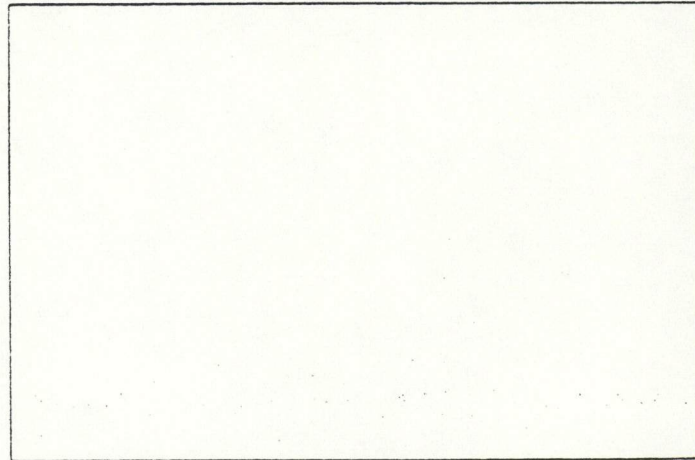
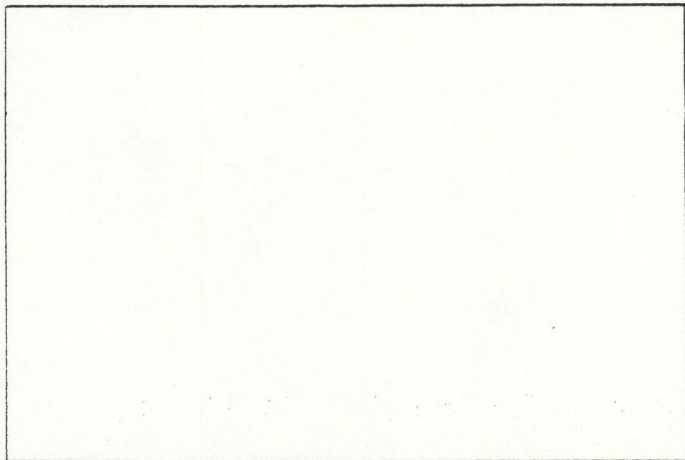
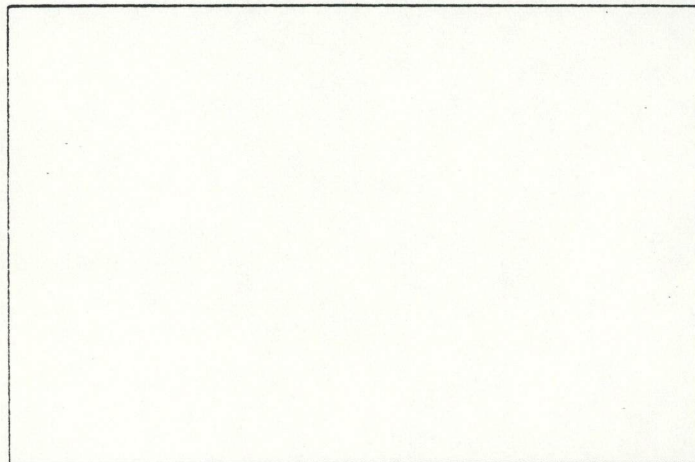
**13 / 0 8 Vn**

PHOTOS / PHOTOS

N° Ext. \_\_\_\_\_



87 - 99







# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5323

Extension N°

14 / 05 ER

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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** Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe \_\_\_\_\_  
Homologation valid as from 1er Janvier 1988 in group A

Constructeur \_\_\_\_\_ Modèle et type \_\_\_\_\_  
Manufacturer FORD Model and type Sierra RS Cosworth

Page ou ext. Page or ext.	Art. Art.	Description Description
		<p>Suite au changement du coefficient de suralimentation porté de (1.4) à (1.7) à partir du 1er Janvier 1988 :</p> <p><u>Articles 103 et 307b</u> :      <math>1993.9 \times 1.7 = 3389.63</math></p> <p><u>Article 307c</u> :              <math>2020.4 \times 1.7 = 3434.68</math></p>

  
  
 Page 1 / 88



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

15 - 09 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 1 January 1988 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type Sierra Cosworth  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
------------------------------	--------------	----------------------------

7

701

Alternative heavy duty rear suspension link assembly  
(chassis mounting points as production car) Type K Photo 87-100



NE -  
All Variant options (except gearbox) detailed in this  
form are applicable to Sierra RS Cosworth and Sierra  
RS500 Cosworth

*Signature*  
FEDERATION INTERNATIONALE  
F.I.S.A.  
DE L'AUTOMOBILE  
89



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

16-10 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le  
Homologation valid as from

01 AVR. 1988

en groupe  
in group

A

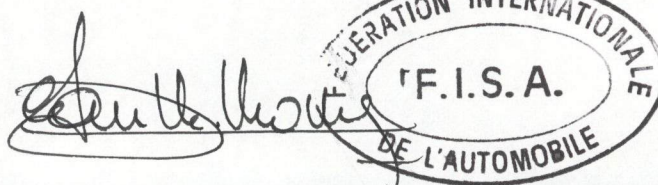
Constructeur  
Manufacturer

FORD

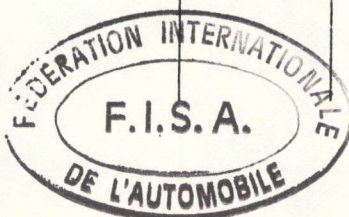
Modèle et type  
Model and type

SIERRA COSWORTH

Page ou ext. Page or ext.	Art. Art.	Description Description
5	401	Secondary fuel tank. Total fuel tank volume allowed not increased Photo 88-01
6	603	Strengthened clutch housing (bell housing) for supplementary gearboxes. Major dimensions and material are the same as original and casing completely interchangeable with original (For RS and RS500 Cosworth) Photo 88-02
7	605	Alternative final drive ratios Ratio 4.125 : 3.86 : 3.625 : 3.375 : 3.143 Teeth 33/8 : 27/7 : 29/8 : 27/8 : 22/7  Ratio 3.33 : 3.50 : 3.70 : 3.89 : 4.11 Teeth 40/12 : 35/10 : 37/10 : 35/9 : 37/9  Ratio 4.33 : 4.56 : Teeth 39/9 : 41/9 :
7	605	Alternative supplier of Heavy Duty rear axle case and gear assembly. Interchangeable with previous H.D. and standard units. Photo 88-03
7	605	Alternative heavy duty rear axle assembly, interchangeable with standard unit. Type Aust 1 Photo 88-04



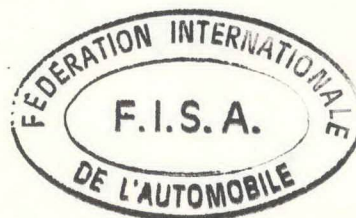
Page ou ext. Page or ext.	Art. Art.	Description Description
7	606	Alternative 2 piece transmission shaft Photo 88-05
7	606	Transmission shaft adaptor, 4 to 6 hole Photo 88-06
7	606	Alternative output flange for supplementary gearbox (Extension 03/03 VO) Photo 87-75
7	701	Heavy duty rear suspension link (interchangeable with standard component) Type L Photo 88-07
7	701	Heavy duty rear suspension link assembly (interchangeable with standard component) Type CF1 Photo 88-08
7	701	Heavy duty rear suspension link assembly (interchangeable with standard component) Type CT1 Photo 88-09
7	701	Heavy duty rear suspension link assembly (interchangeable with standard component) Type CR1 Photo 88-10
7	701	Alternative brackets on H.D. rear suspension link (clarifies photo's 88-08, 88-09 and 88-10) Photo 88-11
7	701	Optional lower closing plate and /or skid shield for cast rear arm Photo 88-12
7	701	Rear stub axle assembly with association high capacity wheel bearing - single nut fixing for wheel. Type B Photo 88-13
7	701	Reinforced rear anti roll bar mount, welded to chassis, 2 per car Photo 88-14
8	803	Alternative brake calipers (front and/or rear brakes) Calipers identical except for internal machining Supplier: Girling Photo 86-22
	803e	No. of cylinders 4 4
	803e1	Cylinder bore mm 33.9 38
	803g1	No. of pads 2 2
	803g2	No. of calipers 1 1
	803g3	Caliper material alloy alloy
	803g8	Pad length +/- 1.5mm 96 96



Page ou ext. Page or ext.	Art. Art.	Description Description
8	803	Alternative brake caliper (front and/or rear brakes) Supplier: A P Racing Photo 88-15  803e No. of cylinders 4 803e1 Cylidner bore mm 2x41.3 : 2x44.5 803g1 No. of pads 2 803g2 No. of cylinders 1 803g3 Caliper material Alloy 803g8 Pad length +/- 1.5mm 131.3
8	803	Brake discs (front and/or rear brakes) Discs may be grooved and/or cross drilled Photo 88-16  803g4 Disc thickness +/- 1.5mm 35 803g5 Disc O.D. +/- 1.5mm 330 803g6 O.D. pad +/- 1.5mm 329 803g7 Disc I.D. +/- 1.5mm 194 803g10 Braking surface cm <sup>2</sup> 1109.1 (NB: Actual swept area may be less depending on caliper used)
8	803	Disc brakes (front and/or rear brakes) Discs may be grooved or cross drilled Photo 88-17  803g4 Disc thickness +/- 1.5mm 31.8 803g5 Disc O.D. +/- 1.5mm 330 803g6 O.D. pad +/- 1.5mm 329 803g7 Disc I.D. +/- 1.5mm 220 803g9 Ventilated yes 803g10 Braking surface cm <sup>2</sup> 939.9 (NB Actual swept area may be less depending on caliper used)
8	803	Alternative brake caliper bell (disc to hub connector) Type J Photo 88-18
8	803	Combined mounting for handbrake caliper and main caliper (Type A) Photo 88-19
8	803	Brake cooling duct support Photo 88-20

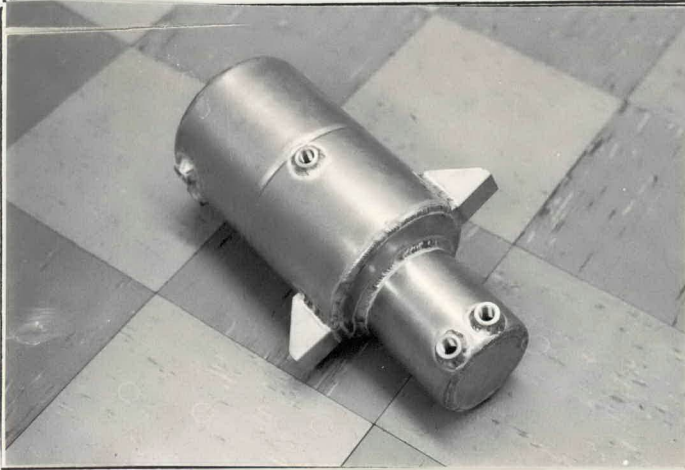


Page ou ext. Page or ext.	Art. Art.	Description Description
8	803	<p>Alternative dual cylinder brake pedal box assembly with adjustment possible from the cockpit (replaces existing pedal box and power brake assembly). Cylinder sizes from 12.5mm to 25.5mm and with integral mounted fluid reservoir.</p> <p>Type G <span style="float: right;">Photo 88-21</span></p>
9	804	<p>Steering rack non power Alternative supplier</p> <p>Ratio either Art. 804b; page 9 = 15.4 or ratio as 04/04 VO; page 43 = 12.8 +/- .25</p> <p style="text-align: right;">Photo 88-22</p>
7	701	<p>Reinforced suspension mount for front suspension compression strut. Rotational axis of joint complies with FISA requirements. <span style="float: right;">Photo 88-23</span></p>



PHOTOS / PHOTOS

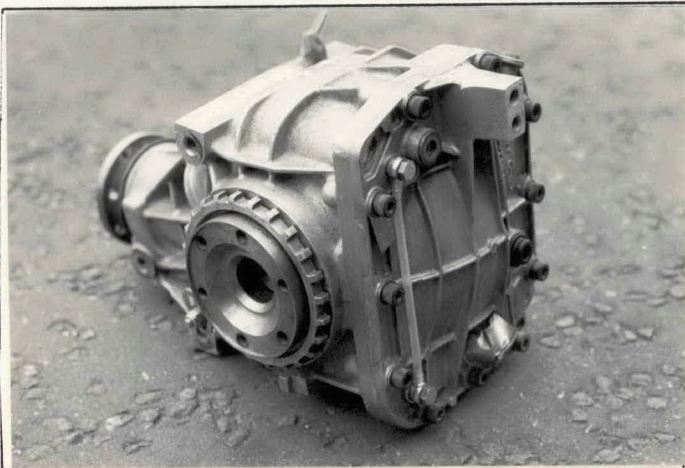
N° Ext. 16-10 V0



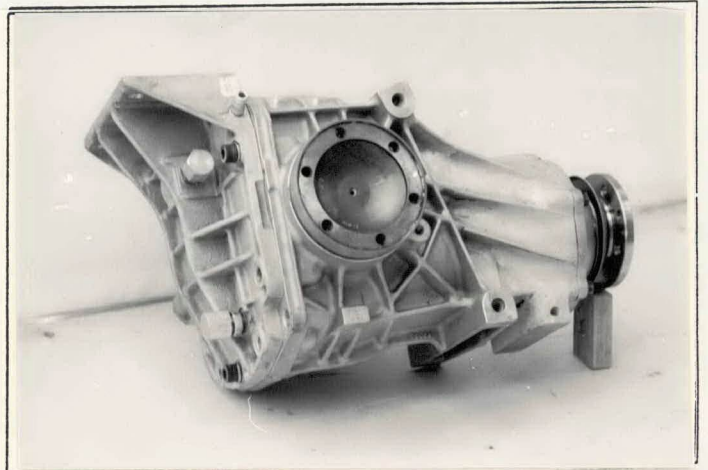
88-01



88-02



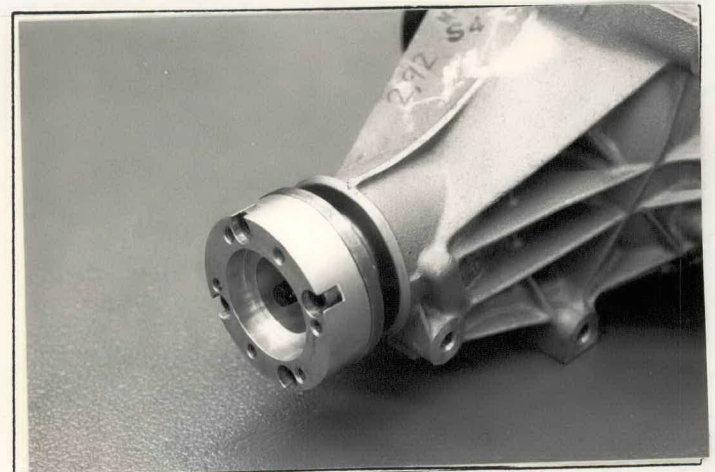
88-03



88-04



88-05



88-06



Marque FORD  
Make \_\_\_\_\_

Modèle SIERRA COSWORTH  
Model \_\_\_\_\_

N° Homol. A5323

PHOTOS / PHOTOS

N° Ext. 16-10 V0



88-07



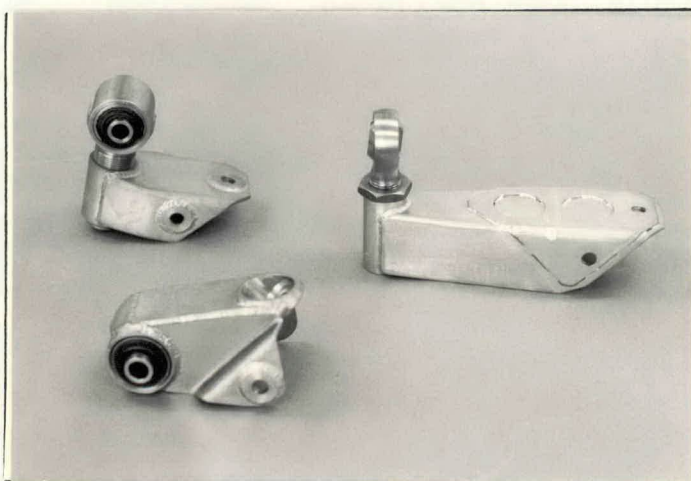
88-08



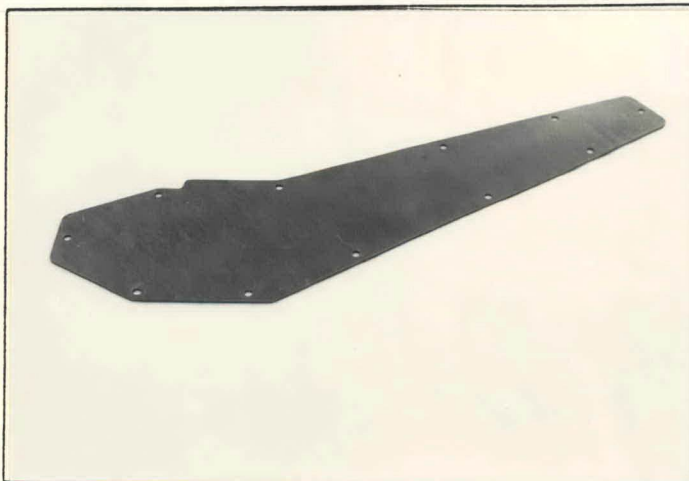
88-09



88-10



88-11



88-12





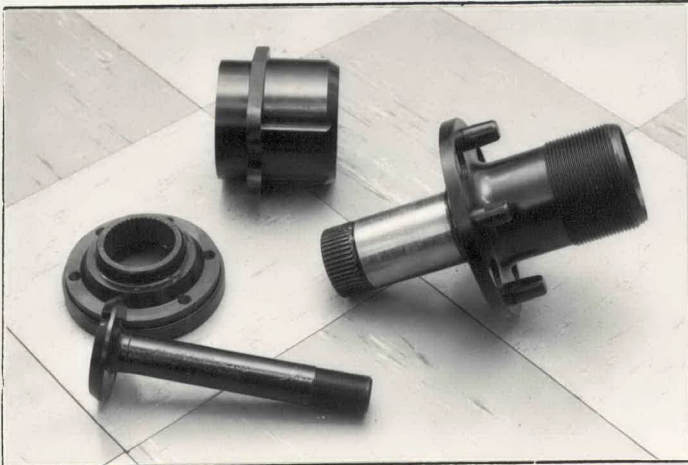
Marque FORD  
Make \_\_\_\_\_

Modèle SIERRA COSWORTH  
Model \_\_\_\_\_

N° Homol. A 5323

PHOTOS / PHOTOS

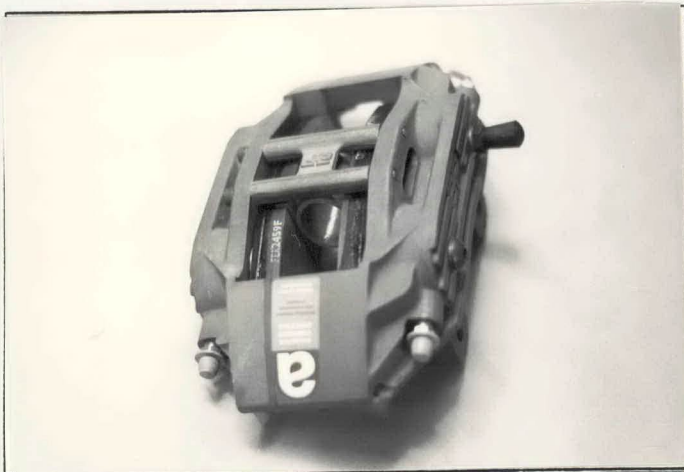
N° Ext. 16 - 10 VO



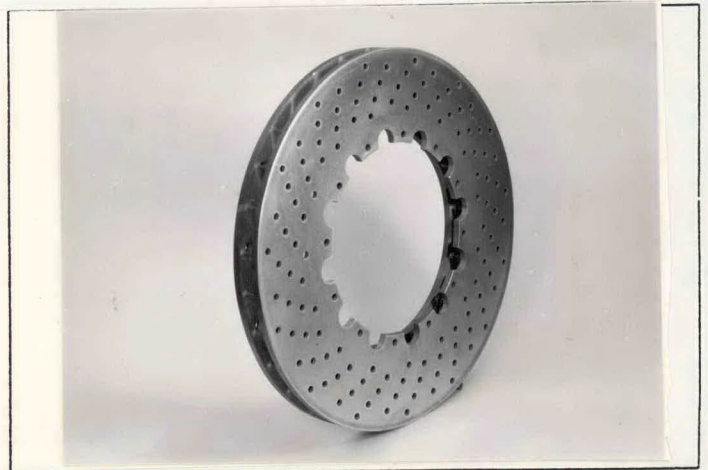
88-13



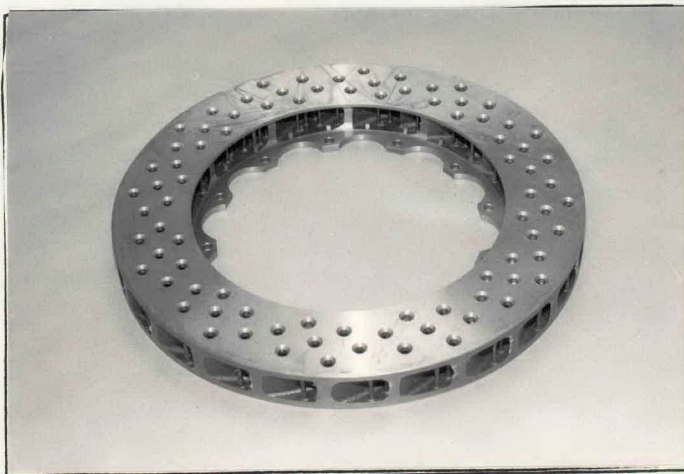
88-14



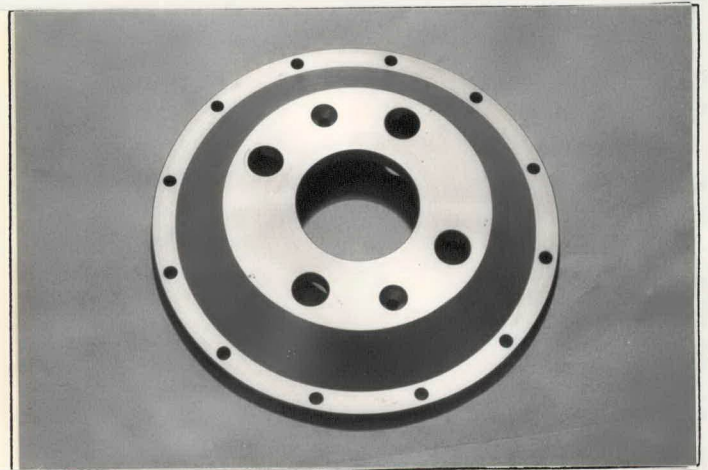
88-15



88-16



88-17



88-18



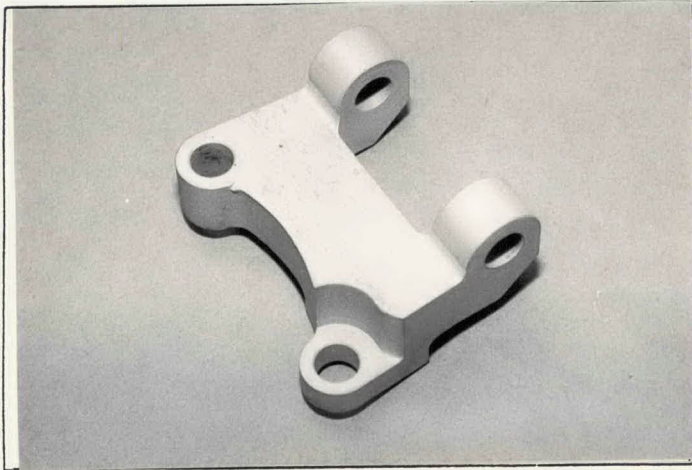
Marque FORD  
Make \_\_\_\_\_

Modèle SIERRA COSWORTH  
Model \_\_\_\_\_

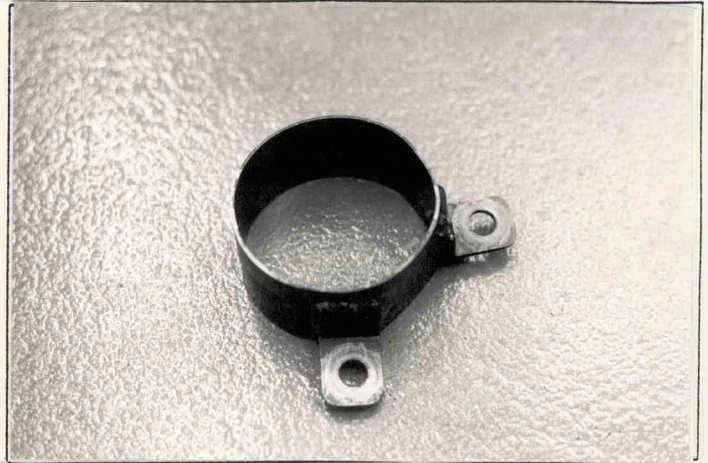
N° Homol. A 5323  
\_\_\_\_\_

PHOTOS / PHOTOS

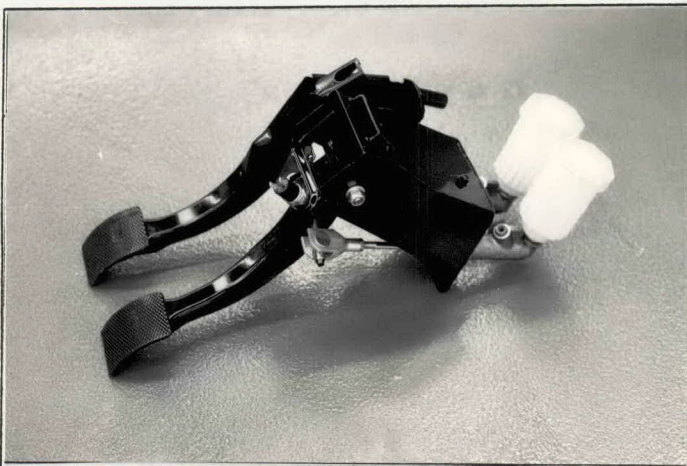
N° Ext. 16-10 VO



88-19



88-20



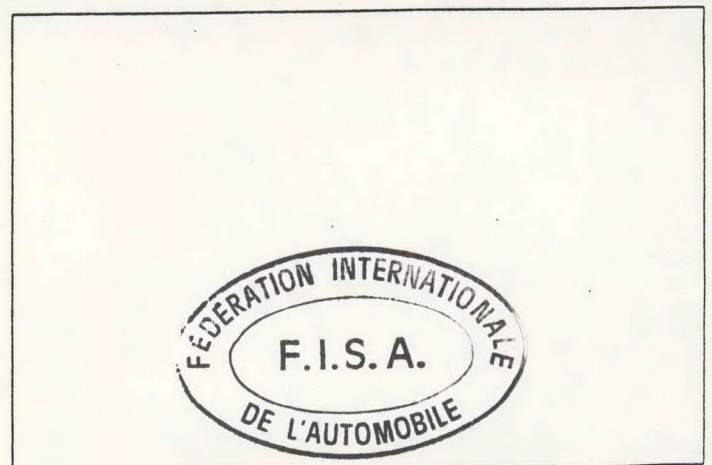
88-21



88-22



88-23



# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

**A - 5323**

Nachtrag Nr.  
Extension Nr.

**17 - 11 VO**

## Nachtrag zum offiziellen Testblatt der FISA

Form of extension to the official FISA-Homologation

**VO** Ausstattungsvariante  
Option variant

Homologation gültig ab 01 AVR. 1988 in Gruppe A  
Homologation valid as from in group

Fahrzeughersteller Ford Modell und Typ Sierra RS Cosworth  
Manufacturer of the car Model and type

### Überrollbügel/-käfig

Rollbar/rollcage

Hauptbügel  
Main rollbar

Diagonalestrebe  
Longitudinal/diagonal strut

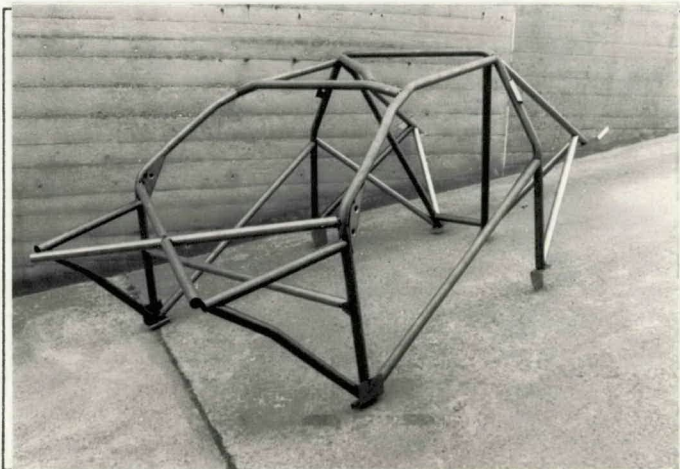
Vorderbügel  
Front rollbar

Winfried Matter GmbH, Industriegebiet, D - 7523 Graben-Neudorf  
Tel.: 07255/5071 Telex: 7822215 mat d Fax: 07255/2758

Bügelhersteller  
Rollbar manufacturer

	Hauptbügel	Diagonalestrebe	Diagonalestrebe	Vorderbügel
Material	25 CrMo 4	25 CrMo 4	25 CrMo 4	25 CrMo 4
Außendurchmesser	40 mm	40 mm / 40 mm	40 mm	40 mm
Wandstärke	1,5 mm	1,0 mm / 1,0 mm	1,0 mm	1,5 mm
Streckgrenze	60 kg/mm <sup>2</sup>	60 kg/mm <sup>2</sup> / 60 kg/mm <sup>2</sup>	60 kg/mm <sup>2</sup>	60 kg/mm <sup>2</sup>
Zugfestigkeit	80 kg/mm <sup>2</sup>	80 kg/mm <sup>2</sup> / 80 kg/mm <sup>2</sup>	80 kg/mm <sup>2</sup>	80 kg/mm <sup>2</sup>
Gesamtgewicht inkl. Befestigungsvorrichtungen	34,0 kg			

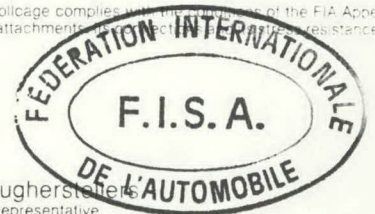
Kompletter Überrollbügel/-käfig ausgebaut  
Complete rollbar/rollcage outside the car



*[Handwritten signature]*

Hiermit wird bestätigt, daß der beschriebene Überrollbügel/-käfig den Anforderungen des Anhangs J der FISA entspricht, insbesondere in Bezug auf seine Befestigungen, Verbindungen und Beanspruchungswerte.

We certify that the present rollbar/rollcage complies with the requirements of the FIA Appendix J, in particular with regard to its attachments, connections and resistance values.



Unterschrift des Fahrzeugherstellers  
Signature of the car manufacturer representative

*[Handwritten signature]*

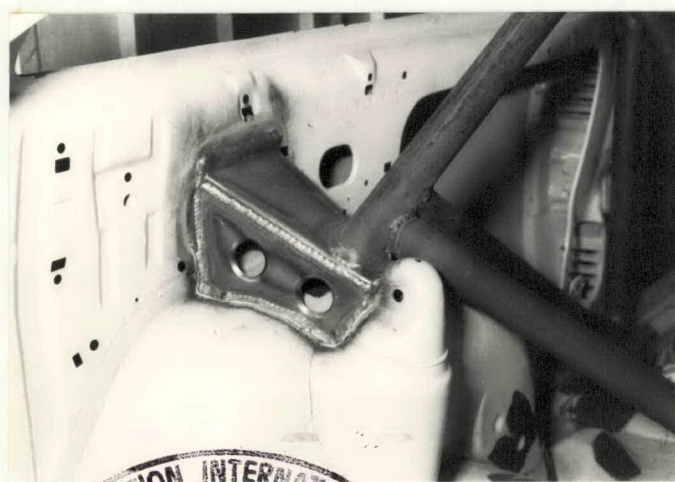
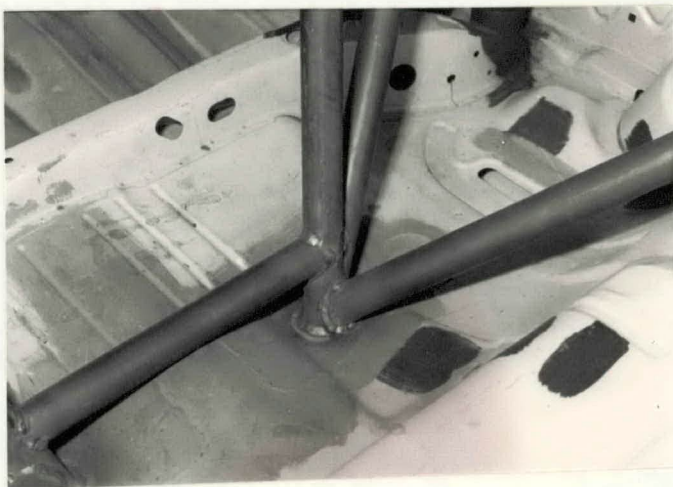
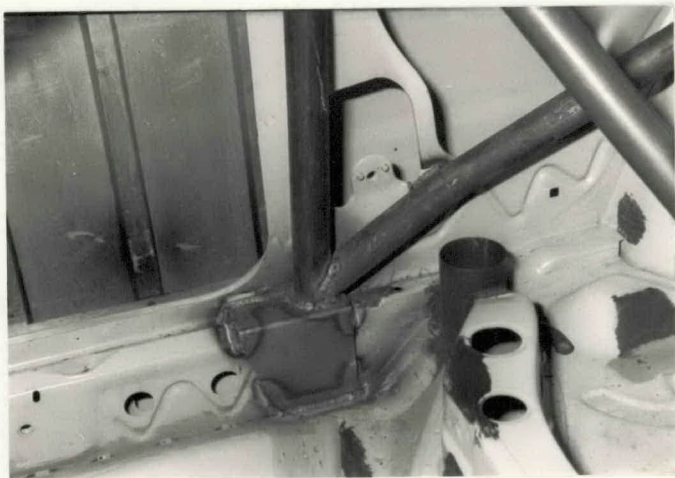
Marke FORD  
Make

Modell SIERRA COSWORTH  
Model

Homologation Nr. A 5323  
Homologation Nr.

Fotos oder Zeichnungen der Befestigungen an der Karosserie:  
Photos or drawings of the attachments on the Body.

Nachtrag Nr. 17-11V0  
Ext. Nr.



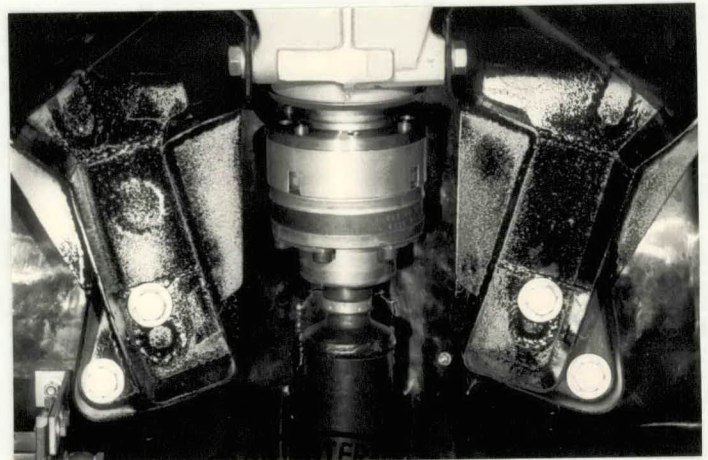
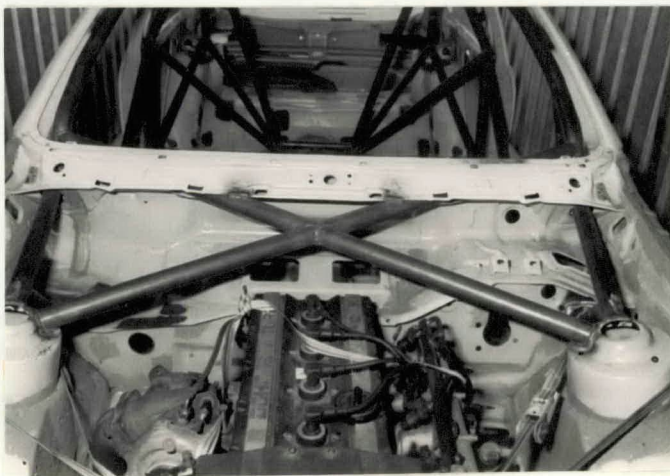
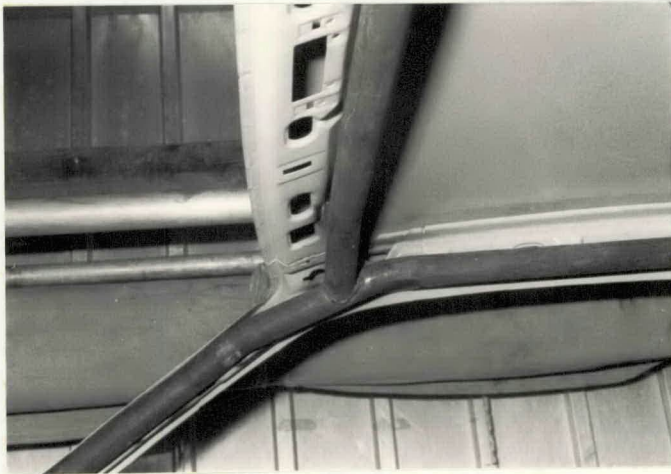
Marke FORD  
Make

Modell SIERRA COSWORTH  
Model

Homologation Nr. A 5323  
Homologation Nr.

Fotos oder Zeichnungen der Befestigungen an der Karosserie:  
Photos or drawings of the attachments on the Body.

Nachtrag Nr. 17-11 V0  
Ext. Nr.





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

**18 - 12 VO**FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION VO Variante option / Option variantHomologation valable dès le 1 April 1988 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_Constructeur de la voiture Ford Modèle et type Sierra Cosworth  
Manufacturer of the car \_\_\_\_\_ Model and type \_\_\_\_\_

## ARCEAU / CAGE DE SECURITE

## ROLLBAR / ROLLCAGE

Arceau principal

Entretoise  
longitudinale/diagonale  
Longitudinal/diagonal  
strut

Arceau avant

Main rollbar

Front rollbar

Fabricant de l'arceau

Ford Motor Company Ltd

Rollbar manufacturer

Matériau

Steel 4T45

Material

Diamètre extérieur

38.1 mm

Exterior diameter

38.1 mm / 38.1 mm

38.1 mm

Epaisseur de paroi

2.64 mm

Wall thickness

2.03 mm / 2.03 mm

2.03 mm

Limite élastique

62 kg/mm<sup>2</sup>Elastic limit <sup>MIN</sup>62 kg/mm<sup>2</sup> / 62 kg/mm<sup>2</sup>62 kg/mm<sup>2</sup>

Résistance à la traction

70-90 kg/mm<sup>2</sup>

Tensile strength

70-90 kg/mm<sup>2</sup> / 70-90 kg/mm<sup>2</sup>70-90 kg/mm<sup>2</sup>

Poids total y-compris les fixations

33 kg

Total weight including fixings

Manufactured and fitted according  
to manufacturers drawing MS88BB 51830 AA

Arceau/cage complet( ` e) hors de la voiture

Complete rollbar/rollcage outside the car

see sheet 2 .

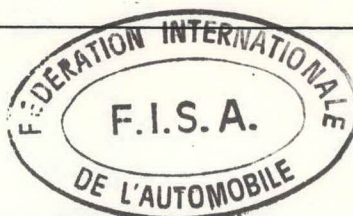
Nous attestons que le présent arceau / la présente cage de  
sécurité répond aux dispositions de l'Annexe J de la FIA, en  
particulier en ce qui concerne ses implantations, ses con-  
nexions et ses résistances aux contraintes.We certify that the present rollbar/rollcage complies with  
the conditions of the FIA Appendix J, in particular with re-  
gard to its attachments, its connections and its stress resis-  
tances.

Signature du représentant du constructeur du véhicule

Signature of the car manufacturer representative



2 FEB 1988



Marque FORD  
Make FORD

Modèle SIERRA COSWORTH  
Model SIERRA COSWORTH

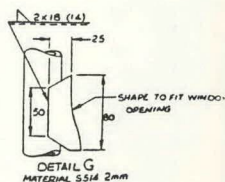
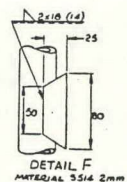
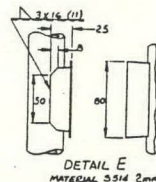
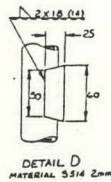
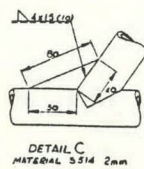
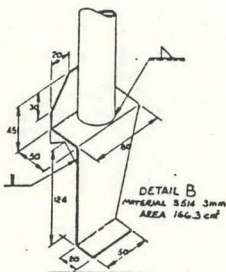
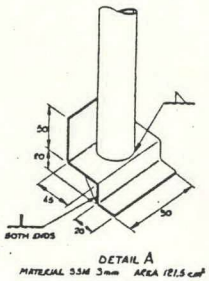
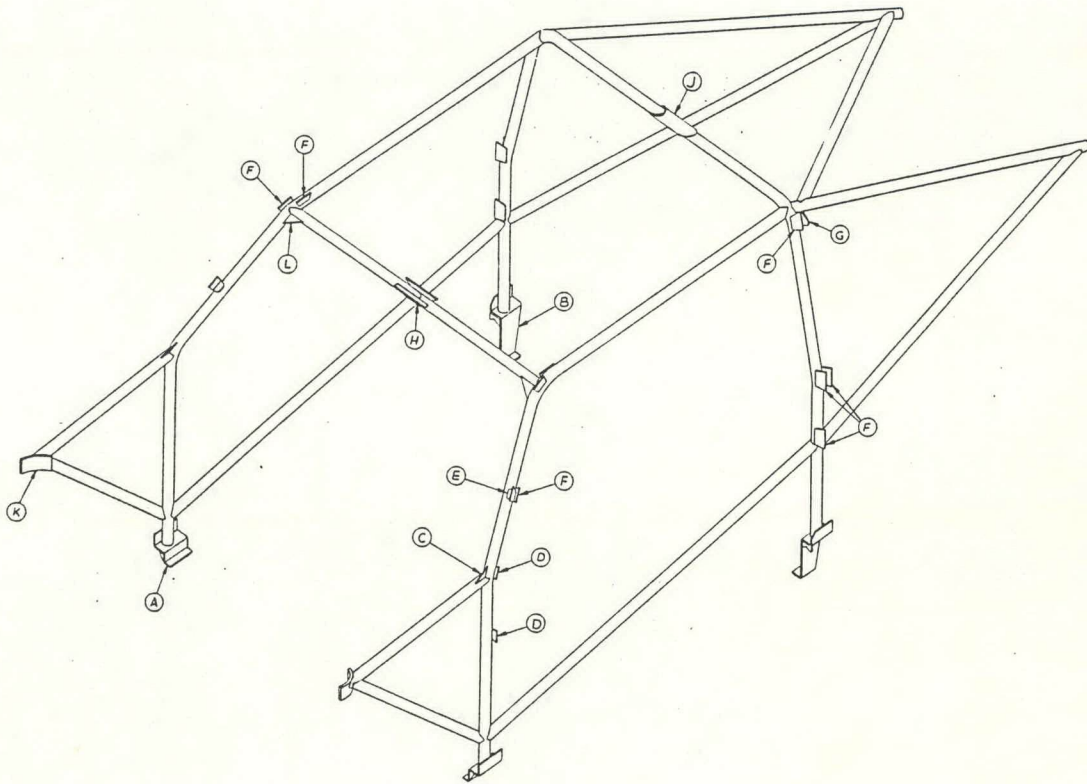
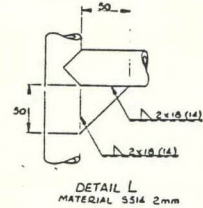
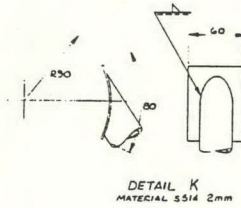
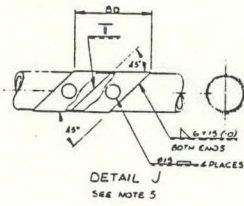
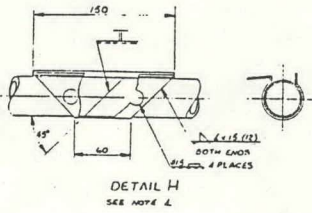
N° Homol. A 5323

PHOTOS / PHOTOS

N° Ext. 18-12V0

MS88BB 51830 AA

Roll Cage Attachments



Marque FORD  
Make

Modèle SIERRA COSWORTH  
Model

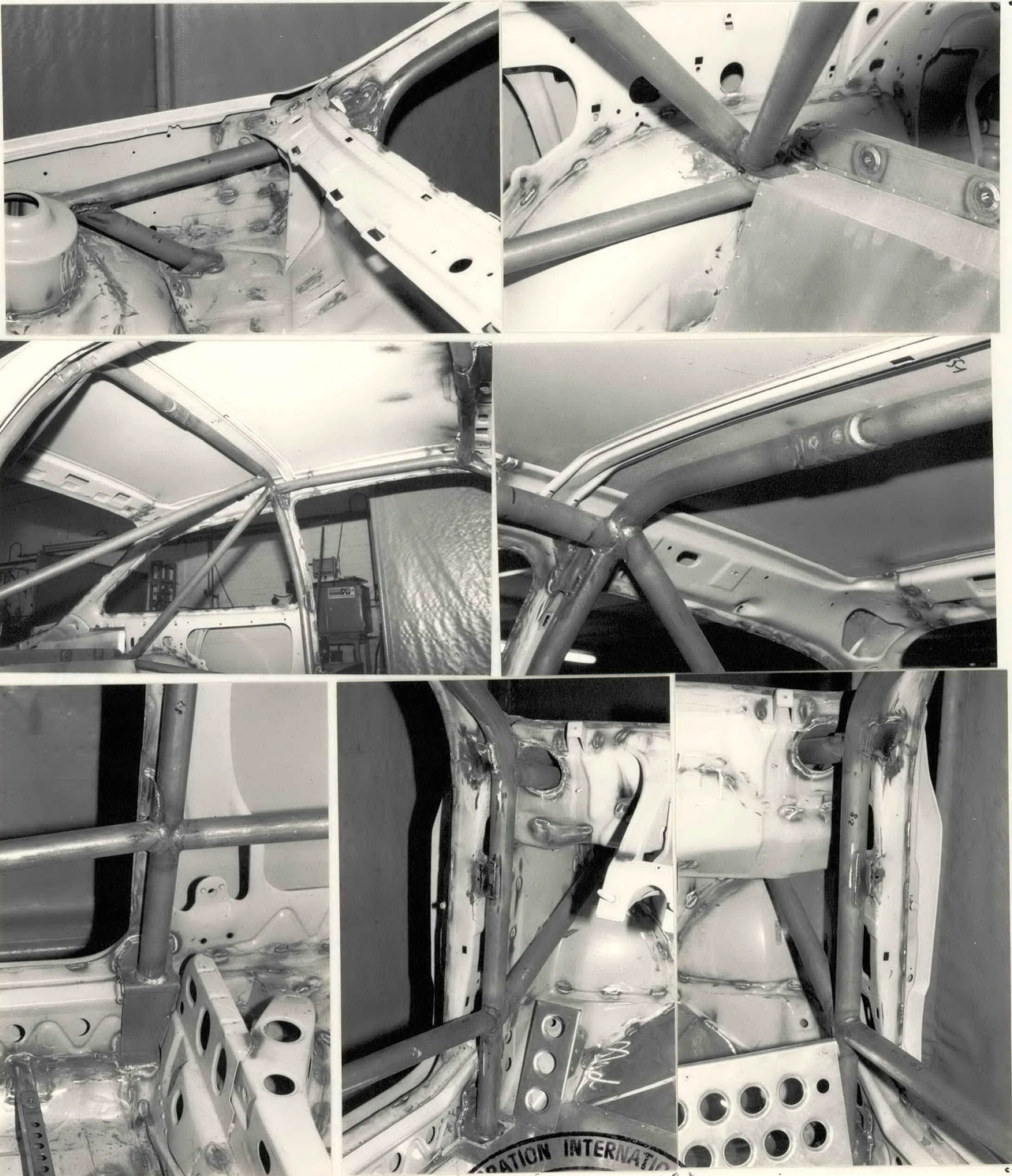
N° Homol. A 5323

PHOTOS / PHOTOS

N° Ext. 18-12V0

MS88BB 51830 AA

Roll Cage Attachments







# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

19 - 13 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

ET Evolution normale du type: dès le numéro de châssis  
Normal evolution of the type: as from chassis number \_\_\_\_\_

VF Variante de fourniture / Supply variant

VO Variante option / Option variant

ER Errata / Erratum

Homologation valable dès le \_\_\_\_\_ **01 AVR. 1988** \_\_\_\_\_ en groupe **A**  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur **FORD** \_\_\_\_\_ Modèle et type **SIERRA COSWORTH**  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description																		
8	803	Disc Brakes (Front and/or Rear brakes) Discs may be grooved or cross drilled Photo 88-17  <table border="0"> <tr> <td>803g4</td> <td>Disc thickness +/- 1.5mm</td> <td>35mm thick</td> </tr> <tr> <td>803g5</td> <td>Disc O.D +3- 1.5mm</td> <td>330</td> </tr> <tr> <td>803g6</td> <td>O.D Pad +3- 1.5mm</td> <td>329</td> </tr> <tr> <td>803g7</td> <td>Disc I.D. +/- 1.5mm</td> <td>220</td> </tr> <tr> <td>803g9</td> <td>Ventilated</td> <td>YES</td> </tr> <tr> <td>803g10</td> <td>Braking surface cm<sup>2</sup></td> <td>939.9</td> </tr> </table> <p>(NB Actual swept area may be less depending on caliper used)</p>	803g4	Disc thickness +/- 1.5mm	35mm thick	803g5	Disc O.D +3- 1.5mm	330	803g6	O.D Pad +3- 1.5mm	329	803g7	Disc I.D. +/- 1.5mm	220	803g9	Ventilated	YES	803g10	Braking surface cm <sup>2</sup>	939.9
803g4	Disc thickness +/- 1.5mm	35mm thick																		
803g5	Disc O.D +3- 1.5mm	330																		
803g6	O.D Pad +3- 1.5mm	329																		
803g7	Disc I.D. +/- 1.5mm	220																		
803g9	Ventilated	YES																		
803g10	Braking surface cm <sup>2</sup>	939.9																		



*Signature*



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A/N 5323

Extension N°

**20 - 06 ER**

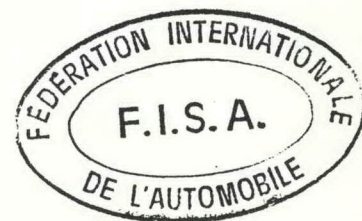
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le **01 JUL. 1988** en groupe A/N  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
20		<p>Clarification of Drawing VII Page 20 (Sierra RS Cosworth only - not RS500 version)</p> <p>The drawing consists of two parts. On the left is a cross-sectional view of a cylindrical component with a diameter of <math>\varnothing 45,5 \pm 0,5</math>. On the right is a circular view of the same component, showing a diameter of <math>\varnothing 54 \pm 2</math>. The two views are connected by a vertical dimension line.</p>



*[Handwritten signature]*



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5323

Extension N°

**21-07ER**

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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** Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe \_\_\_\_\_  
Homologation valid as from 1er Juillet 1988 in group A

Constructeur \_\_\_\_\_ Modèle et type \_\_\_\_\_  
Manufacturer FORD Model and type Sierra RS Cosworth

Page ou ext. Page or ext.	Art. Art.	Description Description
		<p>Concerning article 803 of extension n° 04/04 VO, photos 87/26, 87/27, 87/28, 87/29, 87/30 and 87/31, as well as article 803 of extension n° 13/08 VO, photos 87/92, 87/93 and 87/94 :</p> <p>disregard the indication MAX in articles 805g5 and 803g6, as well as the indication MIN in article 803g7.</p>





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

22 / 14 VO

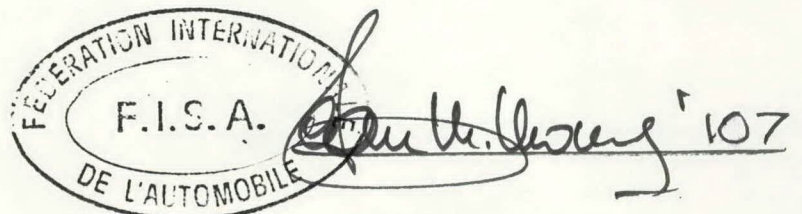
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 JUL. 1988 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
6	603	Alternative gear case (with minor modifications) for RS500 supplementary gearbox, interchangeable with gearbox homologated on 09/01 ES, (Photo 86-54) with same gear ratio. (Valable pour l'Evolution Sportive seulement) Photo 88-30 (Valid for Sporting Evolution only)
	605	Final drive Teeth No. 4.43 4.57 7.31 7.32
	605	Case for heavy duty (large gear) axle in alternative material. Photo 88-32
7	605	Revised output shaft for heavy duty rear axle assembly with increased dia shafts Type D Photo 88-33
7	605	Revised output shaft for heavy duty rear axle assembly with increased dia. shafts Type E Photo 88-34



Marque  
Make

FORD

Modèle  
Model

SIERRA COSWORTH

A5323

N° Homol.

N° Ext. 22 / 14 VO

Page ou ext. Page or ext.	Art. Art.	Description Description
7	606	One piece propshaft with associated sliding spline inside gear box. Photo 88-35
7	701	Eccentric top mount for front suspension. Pivot point complies with FISA requirement. Photo 88-36
7	701	Front upright casting (knuckle) in revised material Type A/2 Photo 88-37
7	701	Front hub assembly, complete with High Volume shock absorber body Photo 88-38
7	701	Front upright casting (knuckle) in revised material (Interchangeable with unit 87-83, Ext 13/08 VO). Photo 88-39
7	701	Front compression strut mounting bracket to body, incorporating bearing for optional anti roll bar. Conforms with FISA requirement with pivot axis for strut within 20mm of standard position. Photo 88-40
7	701	Alternative front suspension track Control Arm in light alloy. Interchangeable with previous H.D. units. Type C Photo 88-41
7	701	Adjustable front anti roll bar, mounting to rear of front axle (mounting position changed, and replaces existing part) Photo 88-42
7	701	Mounting bracket for above roll bar, (bolted and/or welded to chassis rails). Photo 88-43
7	701	Rear anti roll bar - bar diameter from 6mm to 30mm, either solid or tubular (mounting position changed and replaces existing unit) Type G. Photo 88-44
7	701	Welded on mounting bracket for rear anti roll bar. (Types D, E and G) Photo 88-45
7	701	Alternative heavy duty rear suspension link (as 87-100; Ext 15-09VO) in revised material specification. Type K/2 Photo 88-46
7	701	Alternative heavy duty rear suspension link (as 88-08, 09 and 10, Ext 16-10VO) with revised material and minor casting changes. Photo 88-47



Page ou ext. Page or ext.	Art. Art.	Description Description
8	803	Alternative brake caliper (front and/or rear brakes) Supplier: A P Racing 803e No. of cylinders 4 4 4 803e1 Cylinder bore mm 36 38.1 41.3 803g1 No. of pads 2 2 2 803g2 No. of calipers 1 1 1 803g3 Caliper material alloy alloy alloy. 803g8 Pad length +/- 1.5mm 131 131 131 (N.B. if caliper is used on rear axle, then an extra handbrake caliper may be used.) Photo 88-49
8	803	Alternative caliper (front and/or rear brakes) as photo 88-15 with minor casting changes - totally interchangeable. Photo 88-50
8	803	Brake discs (front and/or rear brakes) Discs may be grooved and/or cross drilled. Photo 88-16  803g4 Disc thickness +/- 1.5mm 31.8 35 803g5 disc O.D. +/- 1.5mm 355 355 803g6 O.D. pad +/- 1.5mm 354 354 803g7 Dis I.D. +/-1.5mm 222 222 803g10 Braking surface cm2 1205.4 1205.4. (N.B. Actual swept area may be less depending on caliper used) Photo 88-51
8	803	Brake discs (front and/or rear brakes) Discs may be grooved and/or cross drilled.  803g4 Disc thickness +/-1.5mm 25 803g5 Disc O.D. +/- 1.5mm 302 803g6 O.D. pad +/- 1.5mm 301 803g7 Disc I.D. +/- 1.5mm 195 803g9 Ventilated yes 803g10 Braking surface cm2 825.8 (N.B. Actual swept area may be less depending on caliper used) Photo 88-52
8	803	Alternative brake caliper bell (disc to hub connector) Type K Photo 88-53
8	803	Alternative brake caliper bell (disc to hub connector). Type L Photo 88-54
8	803	Alternative handbrake lever for hydraulic handbrake Type B Photo 88-55
9	804	Revised forging for steering arm. Interchangeable with item 87-46 (06/06 VO). Same steering ratio - Type D. Photo 88-56



Marque FORD Modèle SIERRA COSWORTH N° Homol. A5323  
Make \_\_\_\_\_ Model \_\_\_\_\_

N° Ext. 22 / 14 VO

Page ou ext. Page or ext.	Art. Art.	Description Description	
9	804	Steering arm (as above) in alternative material.. Type E	Photo 88-57
9	804	Revised bracket for Power Steering Pump. Type B	Photo 88-58



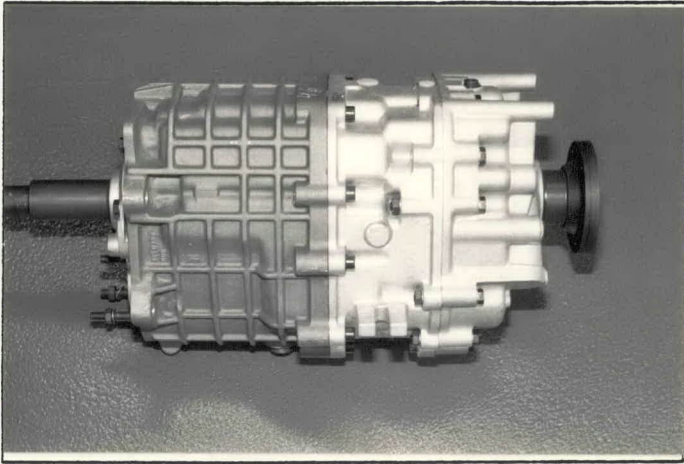
Marque  
Make FORD

Modèle  
Model SIERRA COSWORTH

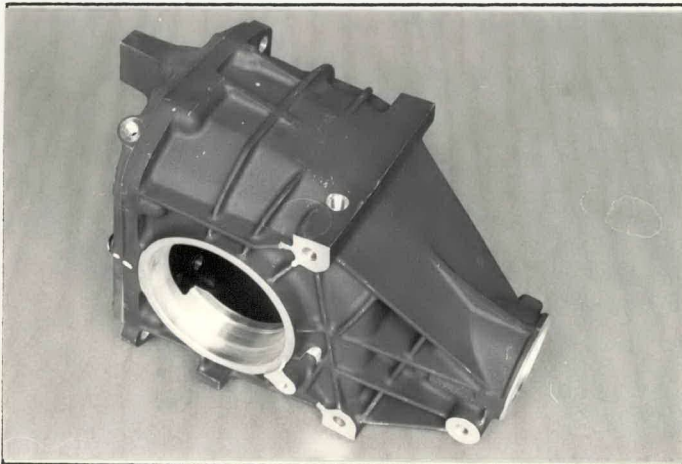
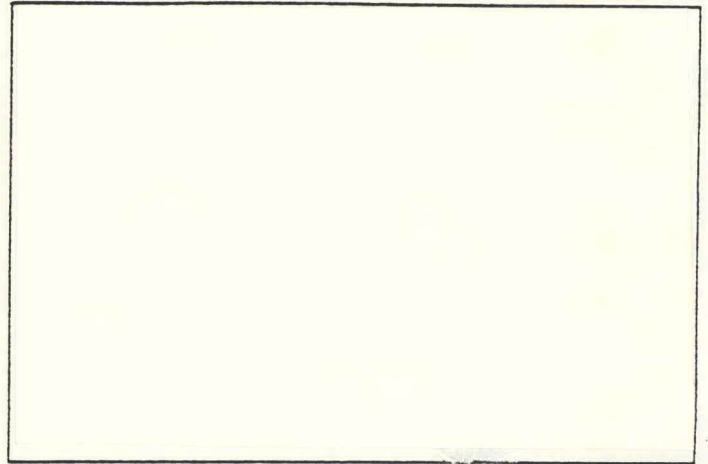
N° Homol. A5323

PHOTOS / PHOTOS

N° Ext. 22 / 14 V0



88-30



88-32



88-33



88-34



88-35





Marque FORD  
Make FORD

Modèle SIERRA COSWORTH  
Model SIERRA COSWORTH

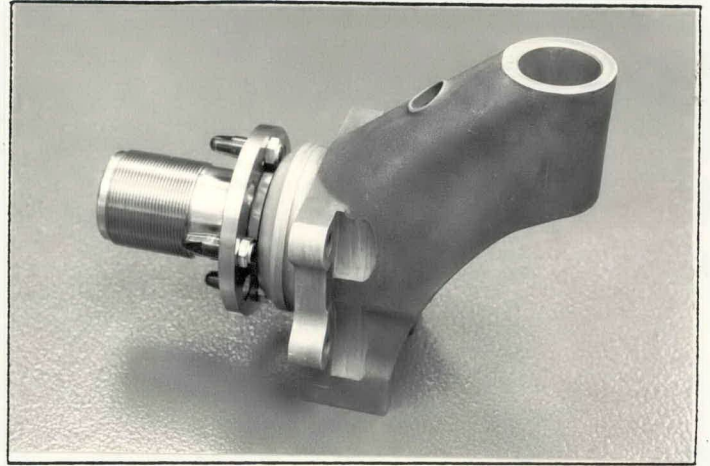
N° Homol. A5323

PHOTOS / PHOTOS

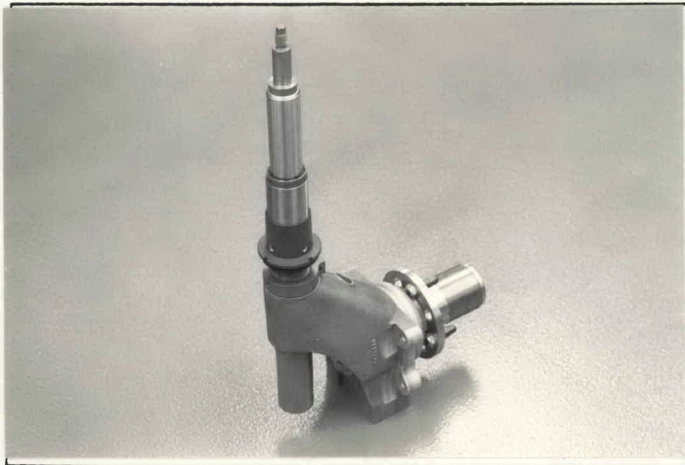
N° Ext. 22 / 14 V0



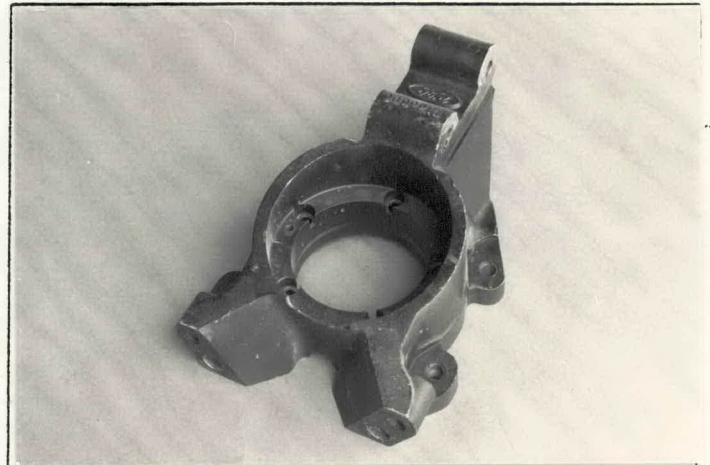
88-36



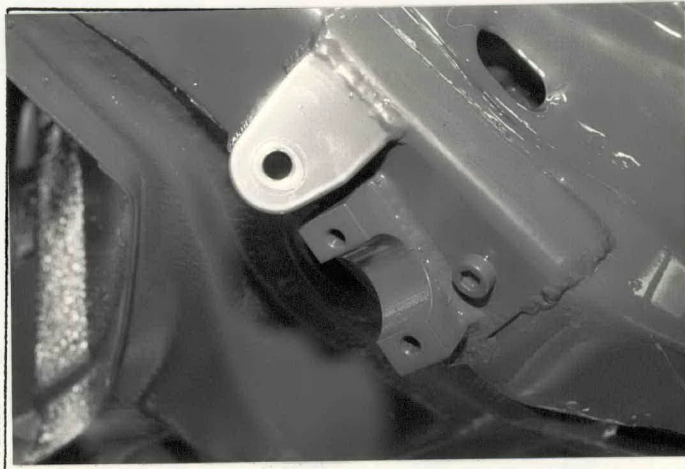
88-37



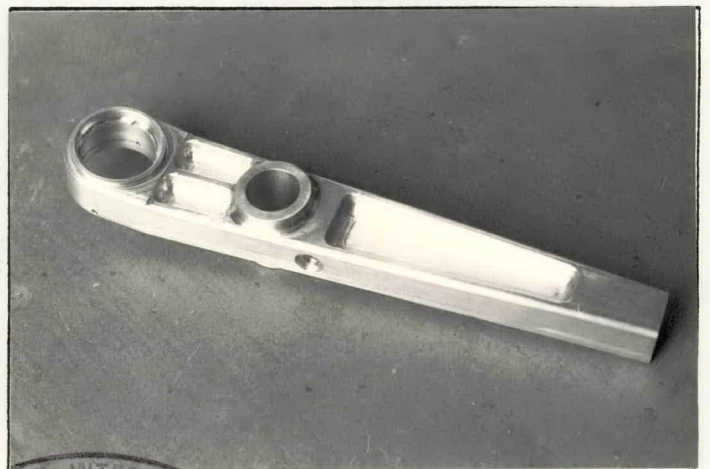
88-38



88-39



88-40



88-41



Marque  
Make FORD

Modèle  
Model SIERRA COSWORTH

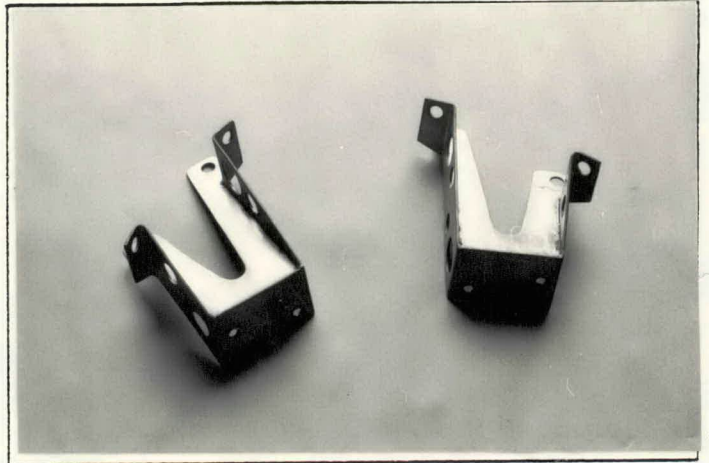
N° Homol. A5323

PHOTOS / PHOTOS

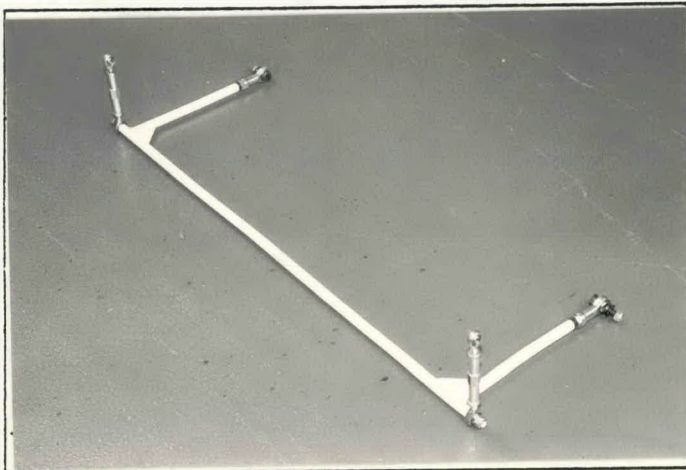
N° Ext. 22 / 14 V0



88-42



88-43



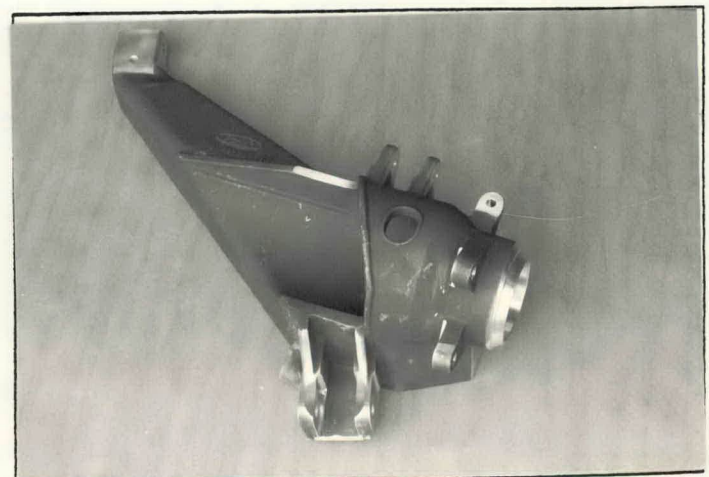
88-44



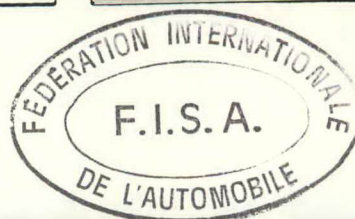
88-45



88-46



88-47



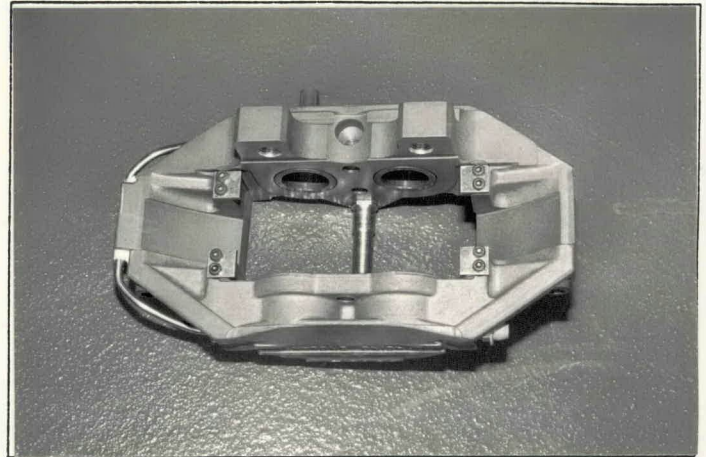
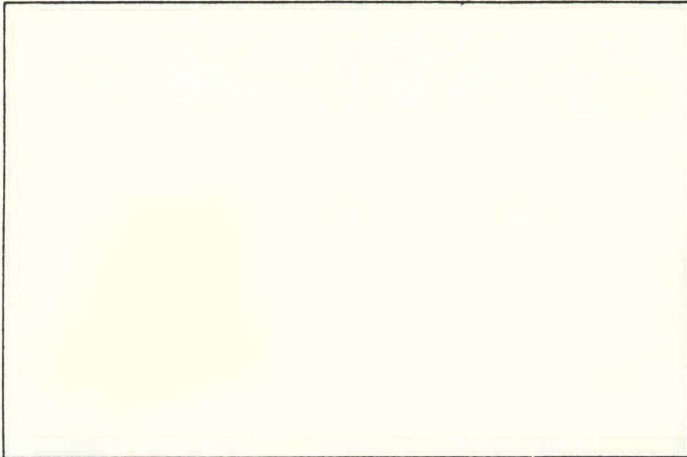
Marque  
Make FORD

Modèle  
Model SIERRA COSWORTH

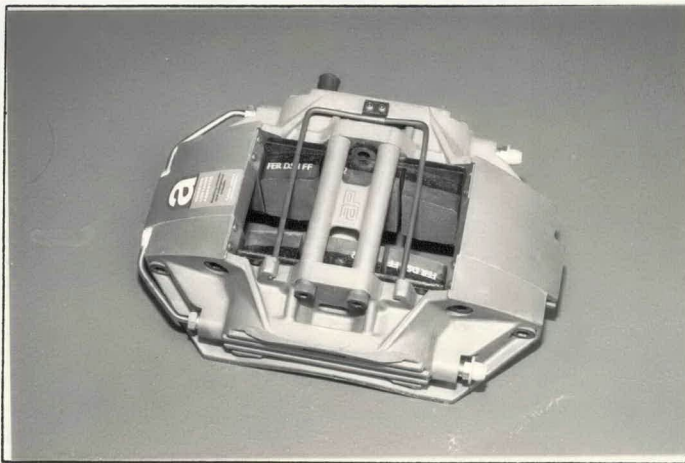
N° Homol. A5323

PHOTOS / PHOTOS

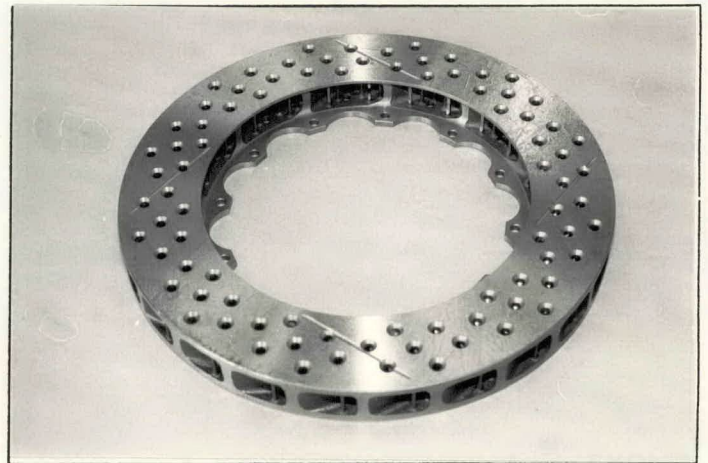
N° Ext. 22 / 14 VO



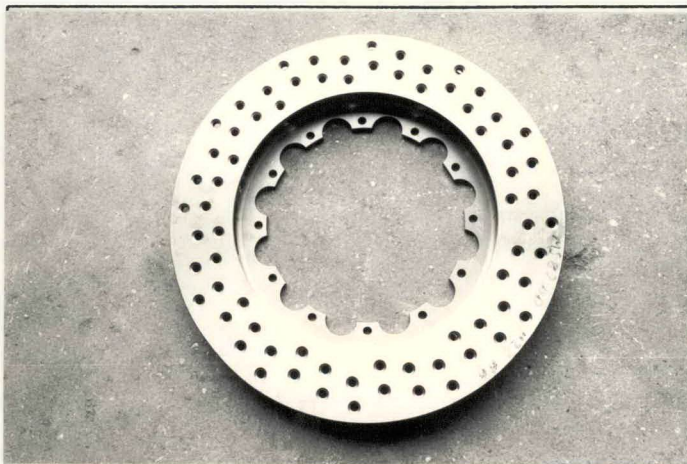
88-49



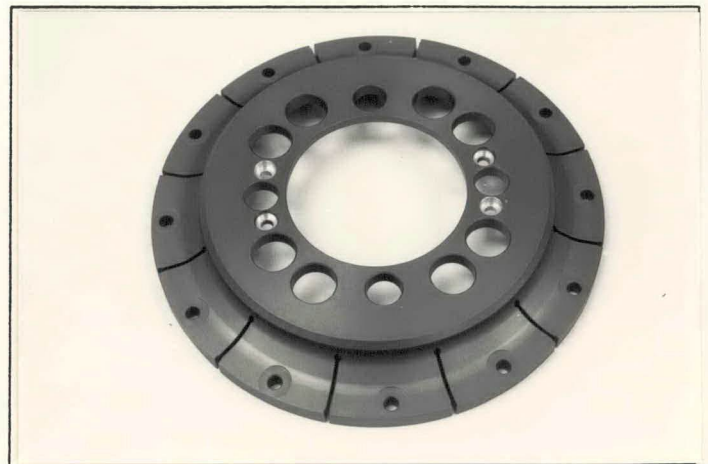
88-50



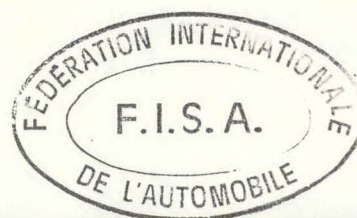
88-51



88-52



88-53



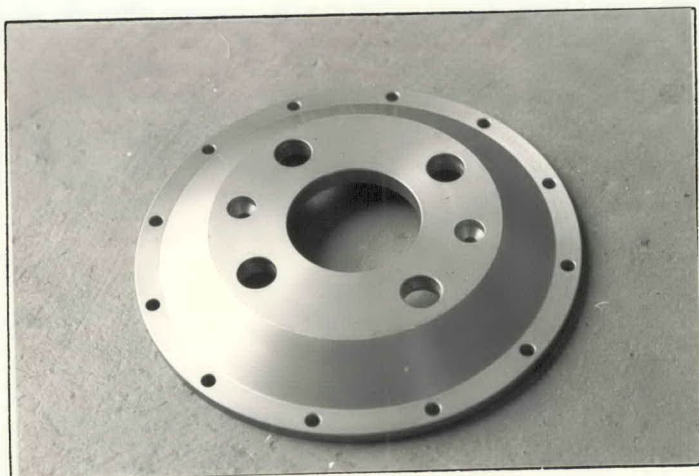
Marque FORD  
Make

Modèle SIERRA COSWROTH  
Model

N° Homol. A5323

PHOTOS / PHOTOS

N° Ext. 22 / 14 V0



88-54



88-55



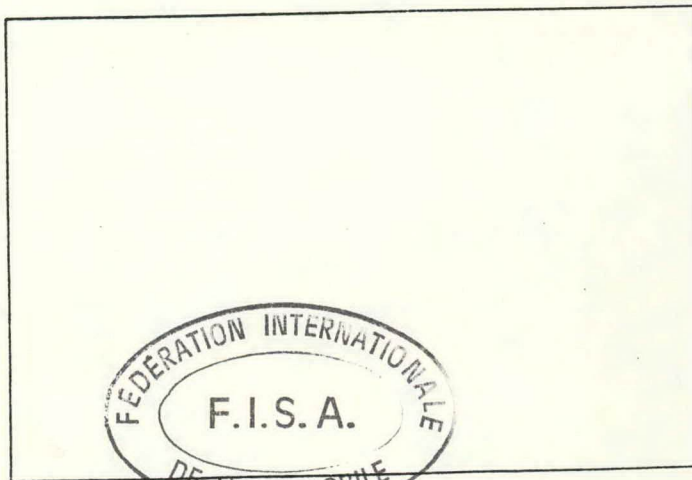
88-56



88-57



88-58





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5323

Extension N°

23 / 15 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

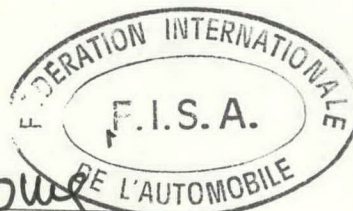
- ES Evolution sportive du type / Sporting evolution of the type
- ET Evolution normale du type / Normal evolution of the type
- VF Variante de fourniture / Supply variant
- VO Variante option / Option variant
- ER Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe A  
Homologation valid as from 01 JUL. 1988 in group \_\_\_\_\_

Constructeur Ford Modèle et type Sierra Cosworth  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
7	701a	Revised pivot axis position for chassis end of front suspension. Type A. Pivot point remains within 20mm of standard position. Photo 88-60
7	701a	Revised pivot axis position for chassis end of front suspension. Type B. Pivot point remains within 20mm of standard position. Photo 88-61
7	701a	Revised pivot axis position for chassis end of compression strut (front suspension). Pivot point remains within 20mm of standard position. Photo 88-62
7	701b	Revised pivot axis position for chassis end of rear suspension. Type A. Pivot points remain within 20mm of standard position. Photo 88-63 (inner) Photo 88-64 (outer)

*Paul H. Young*



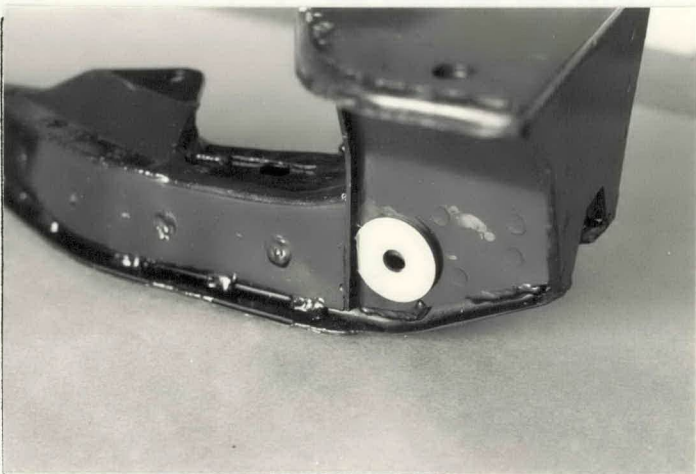
Marque FORD  
Make \_\_\_\_\_

Modèle SIERRA COSWORTH  
Model \_\_\_\_\_

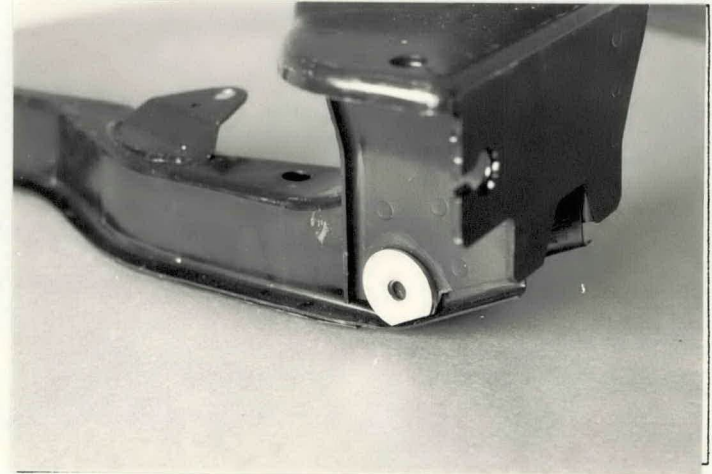
N° Homol. A5323  
\_\_\_\_\_

N° Ext. 23 / 15 V0  
\_\_\_\_\_

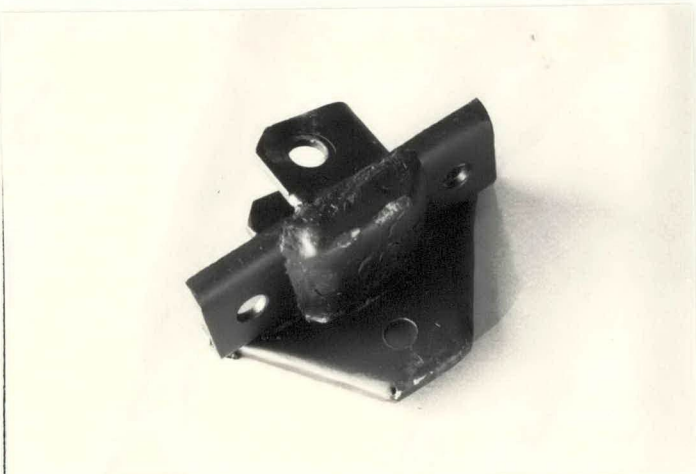
PHOTOS / PHOTOS



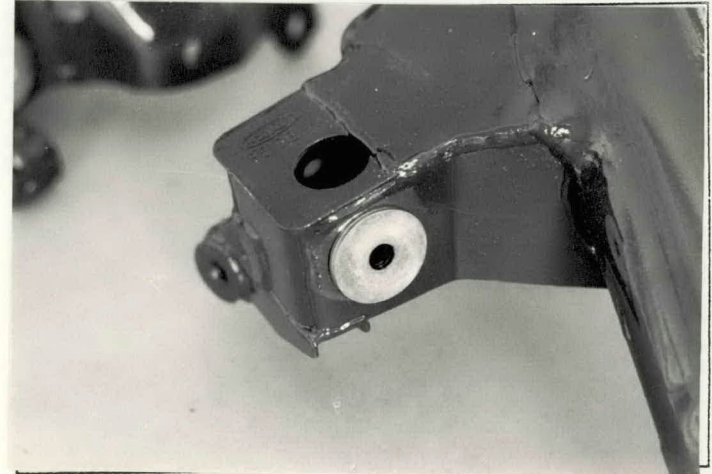
88 - 60



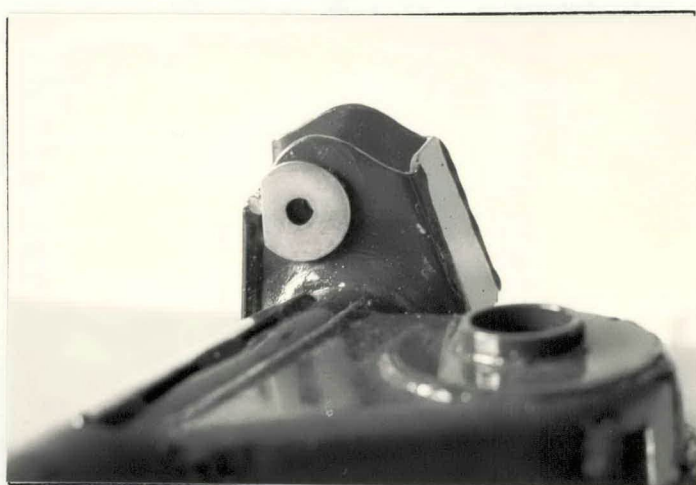
88 - 61



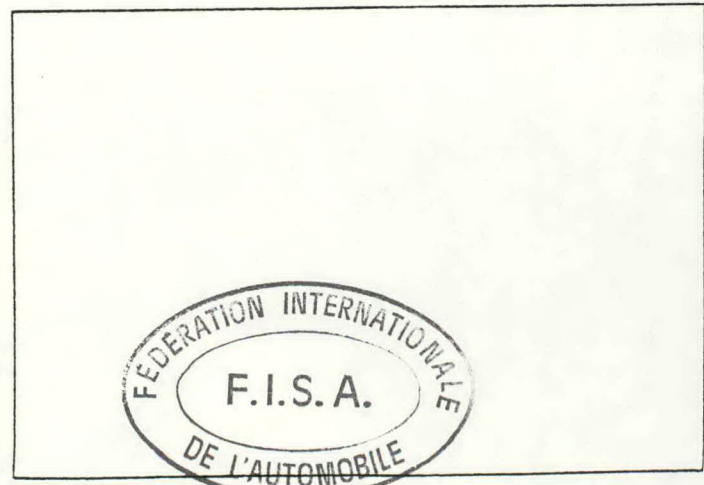
88 - 62



88 - 63



88 - 64





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5323

Extension N°

24 / 16 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 OCT. 1988 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
7	701	Alternative antiroll bar (mounting position changed and replaces existing part). Effective stiffness altered by variation in arm length and tube dimensions. Photo 88-65
7	701	Larger dia. strut body to accommodate heavy duty damper assembly. Photo 88-66
7	605	Revised case and bearing support for Type Aust 1 heavy duty rear axle assembly. Interchangeable with standard unit. Type Aust 1A. Photo 88-67
8	803	Alternative brake caliper (front and/or rear brakes) Supplier AP Racing Photo 88-68
	803e	No. of cylinders 4
	803el	Cylinder bore mm 32
	803g1	No. of pads 2
	803g2	No. of calipers 1
	803g3	Caliper material alloy
	803g8	Pad length $\pm 1.5$ mm 130
	Caliper quantity may be increased to 2 only if separate handbrake caliper is fitted.	



Marque  
Make

FORD

Modèle  
Model

SIERRA COSWORTH

N° Homol.

A5323

N° Ext.

24 / 16 V0

Page ou ext. Page or ext.	Art. Art.	Description Description	
8	803	Brake disc (front and/or rear) Material:- Carbon Fibre composite	Photo 88-69
	803g4	Disc thickness in new condition +/-1.5mm	32
	803g5	Disc O.D. +/-1.5mm	330
	803g6	O.D. pad +/-1.5mm	330
	803g7	Disc I.D. +/-1.5mm	221
	803g9	Ventilated ??	Yes
	803g10	Braking surface cm <sup>2</sup>	969.37
		(N.B. Actual swept area of pad may be less depending on caliper used.)	
8	803	Brake disc (front and/or rear) Material:- Carbon Fibre composite	Photo 88-70
	803g4	Disc thickness in new condition +/-1.5mm	28
	803g5	Disc O.D. +/-1.5mm	285
	803g6	O.D. Pad +/-1.5mm	285
	803g7	Disc I.D. +/-1.5mm	184
	803g9	Ventilated ??	Yes
	803g10	Braking surface cm <sup>2</sup>	766.17
		(N.B. Actual swept area of pad may be less depending on caliper used.)	
6	603	Additional Gearbox As detailed on sheet 0901ES, and shown in photograph 88-30 of sheet 22/14VO can be used on the Sierra Cosworth for rallies.	Photo 88-30





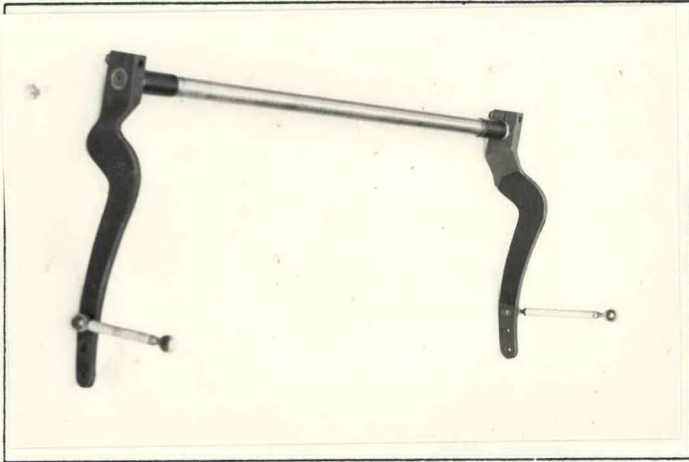
Marque  
Make FORD

Modèle  
Model SIERRA COSWORTH

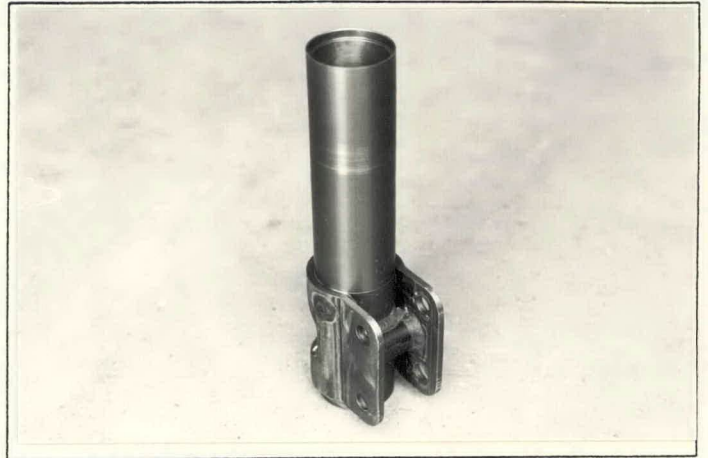
N° Homol. A5323

PHOTOS / PHOTOS

N° Ext. 24 / 16 V0



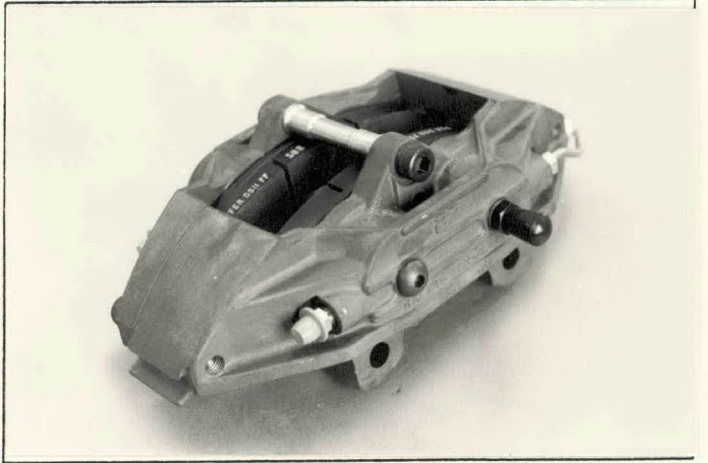
88-65



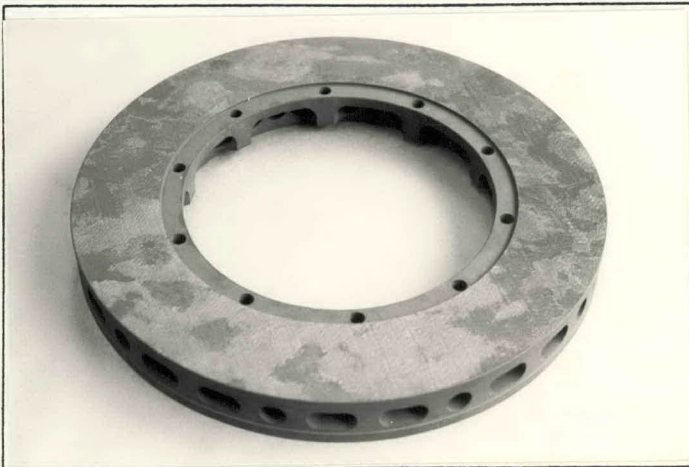
88-66



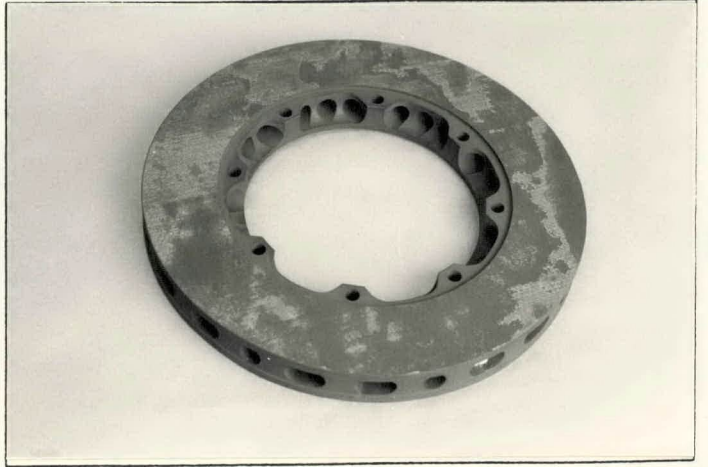
88-67



88-68



88-69



88-70





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5323

Extension N°

25 / 17 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le  
Homologation valid as from

01 JAN. 1989

en groupe

in group

A

Constructeur  
Manufacturer

FORD

Modèle et type

Model and type

SIERRA RS COSWORTH

Page ou ext. Page or ext.	Art. Art.	Description Description
8	801	Wheel spacer, from 3 to 10mm thick Photo 89 - 01
8	801	Single bolt wheel fixing, similar for front and rear wheels Photo 89 - 02
8	803	Alternative brake caliper (front and/or rear). Calipers identical except for fixing lug position required for alternative disc diameters Supplier Alcon Photo 89 - 03 803e N° of cylinders 4 803e1 Cylinder bore mm 41.3 & 44.5 803g1 N° of pads 2 803g2 N° of calipers 1 803g3 Caliper material Alloy 803g8 Pad length ± 1.5mm 132 (N.B. If this caliper is used on the axle with a hand brake, then a second hand brake caliper may be required)



*Signature*

Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

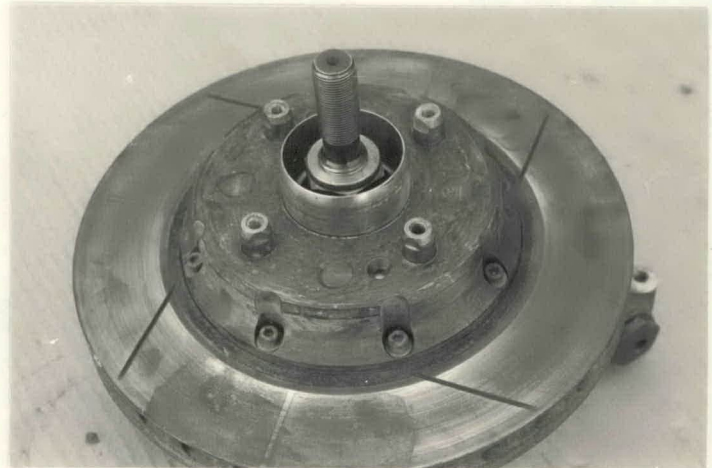
N° Homol. A5323

PHOTOS / PHOTOS

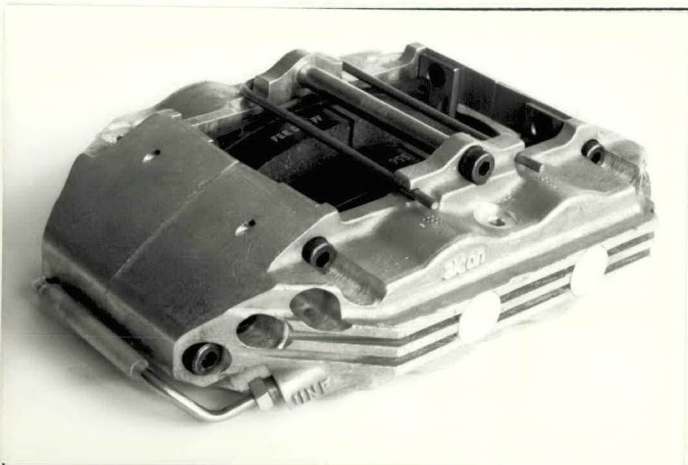
N° Ext. 25 / 17 V0



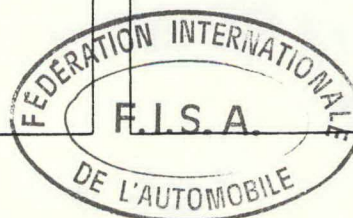
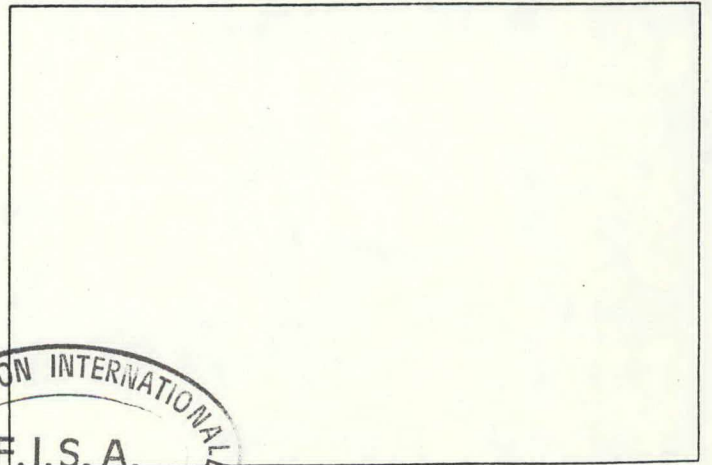
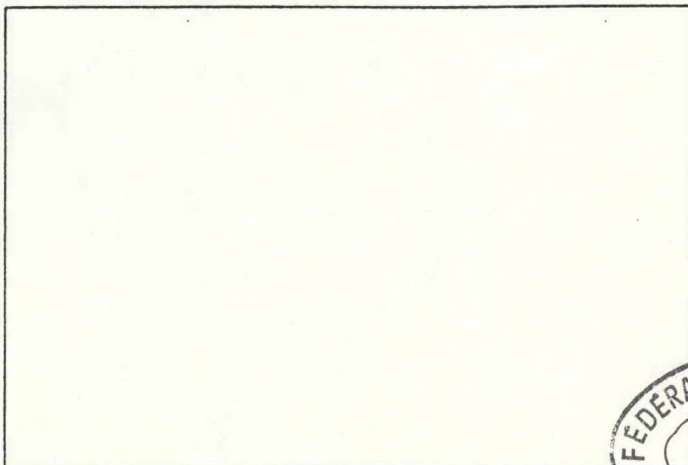
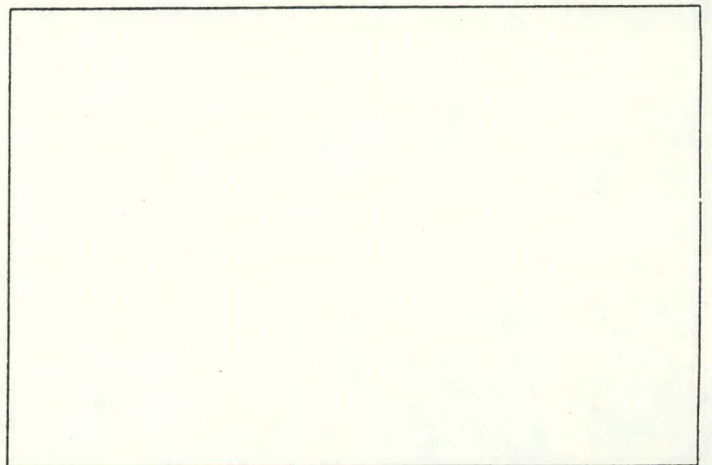
89 - 01



89 - 02



89 - 03





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

26 / 18 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe A  
Homologation valid as from 1 April 1989 in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
7	701	Alternative antiroll bar (mounting position changed and replaces existing part) Variable stiffness bar adjustable from cockpit. Photo 89 - 05
7	701	Revised heavy duty upright casting (Knuckle), Front suspension, for high capacity wheel bearing package Type R2 Photo 89 - 06
7	701	Alternative front suspension track control arm (shown without joints) incorporating antiroll bar bracket Type D Photo 89 - 07
7	701	Alternative heavy duty rear suspension link, with alternative mounting bosses to suit homologated chassis points Type M Photo 89 - 08
7	701a	Revised pivot axis position for chassis end of rear suspension, Pivot point remains within 20mm of standard hole position Inner point, RS500 ONLY Type B500 Photo 89 - 09 Outer point, All Cosworth Type C Photo 89 - 10
8	803	Extension, brake cooling duct, Front brakes Internal Cross sectional area less than 7850 sq.mm. Photo 89 - 11



Marque  
Make FORD

Modele  
Model SIERRA COSWORTH

N° Homol. A 5323

**26 / 18 V0**

N° Ext. \_\_\_\_\_

Page or ext. Page or ext.	Art. Art.	Description Description
8	803	Alternative brake caliper (front and/or rear). Calipers identical except for fixing lug position required for alternative disc diameters Supplier Alcon <span style="float: right;">Photo 87 - 24</span>
	803e	N° of cylinders 4
	803e1	Cylinder bore mm 35
	803g1	N° of pads 2
	803g2	N° of calipers 1
	803g3	Caliper material Alloy
	803g8	Pad length ± 1.5mm 132 (N.B. If this caliper is used on the axle with a hand brake, then a second hand brake caliper may be required)
8	803	Alternative brake caliper (front and/or rear). Calipers identical except for fixing lug position required for alternative disc diameters Supplier Alcon <span style="float: right;">Photo 89 - 12</span>
	803e	N° of cylinders 4
	803e1	Cylinder bore mm 35
	803g1	N° of pads 2
	803g2	N° of calipers 1
	803g3	Caliper material Alloy
	803g8	Pad length ± 1.5mm 117 (N.B. If this caliper is used on the axle with a hand brake, then a second hand brake caliper may be required)
8	803	Brake disc <span style="float: right;">Photo 88 - 70</span> (Front and/or Rear) Material:- Carbon Fibre Composite
	803g4	Disc thickness in new condition ± 1.5mm 23 26 28 35 32 35
	803g5	Disc O.D. ± 1.5mm 278 278 278 330 355 355
	803g6	O.D. Pad ± 1.5mm 278 278 278 330 355 355
	803g7	Disc I.D. ± 1.5mm 184 184 184 221 246 246
	803g9	Ventilated ?? Yes Yes Yes Yes Yes Yes N.B. Pads may not use all of disc area available !



PHOTOS / PHOTOS

N° Ext. 26 / 18 V0



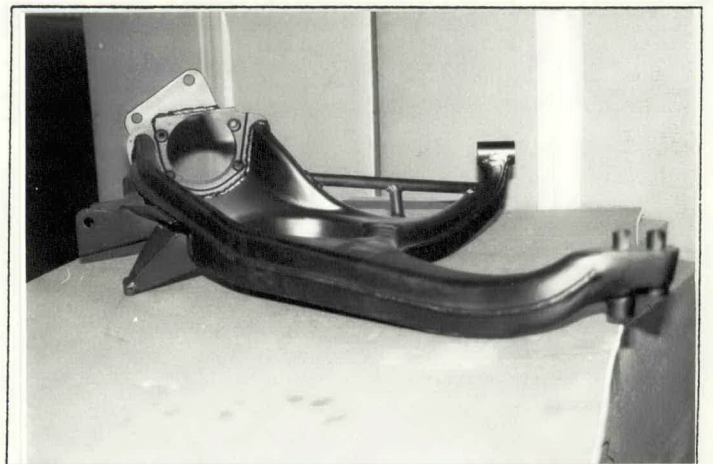
89 - 05



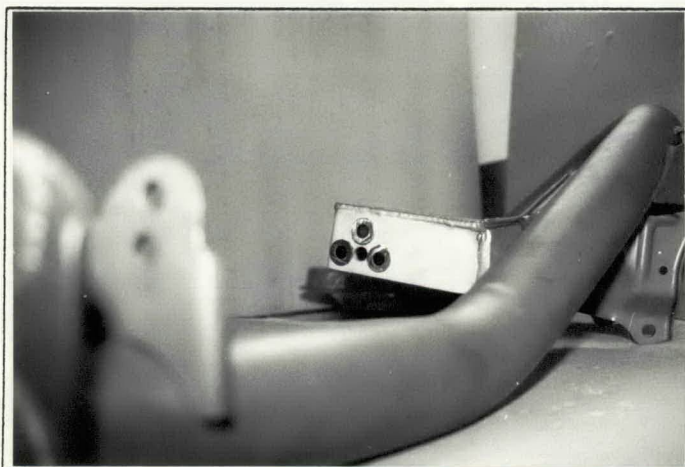
89 - 06



89 - 07



89 - 08



89 - 09



89 - 10

Marque FORD Modèle SIERRA COSWORTH N° Homol. A5323  
Make FORD Model SIERRA COSWORTH

PHOTOS / PHOTOS

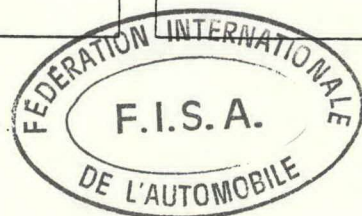
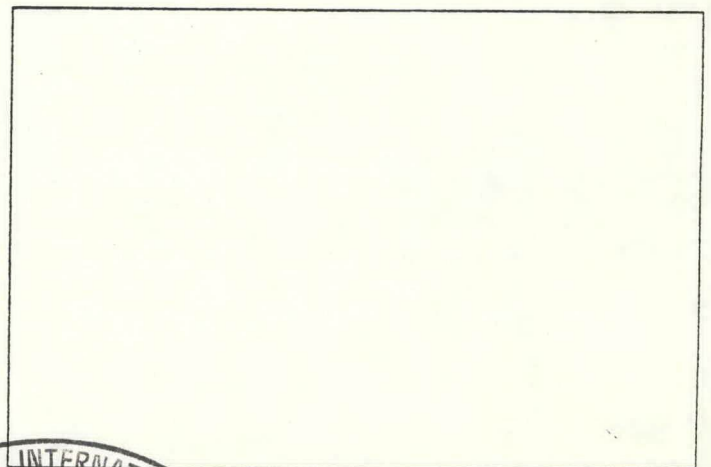
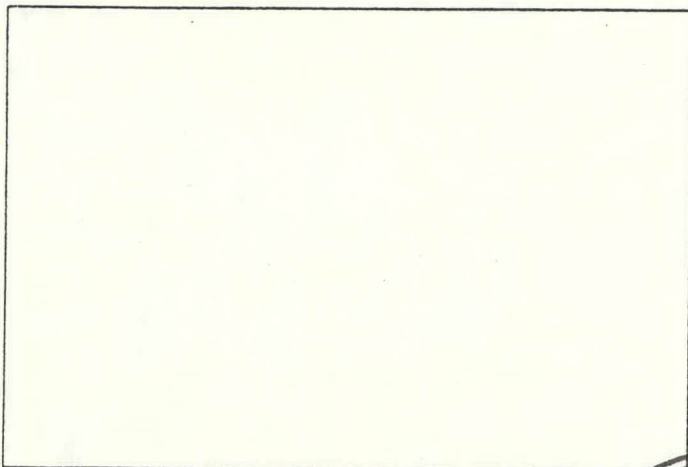
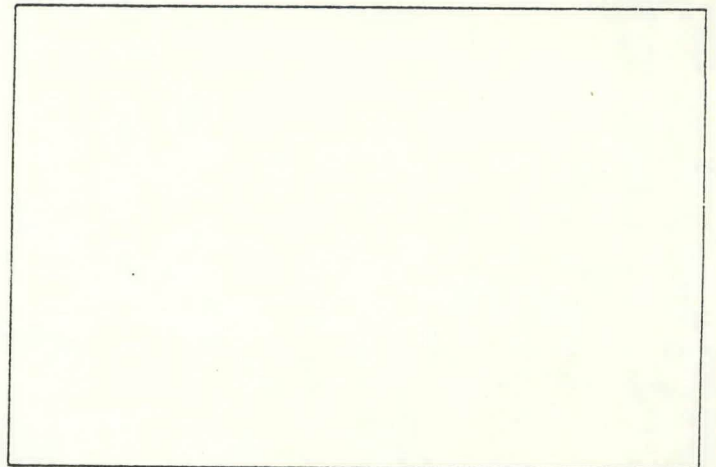
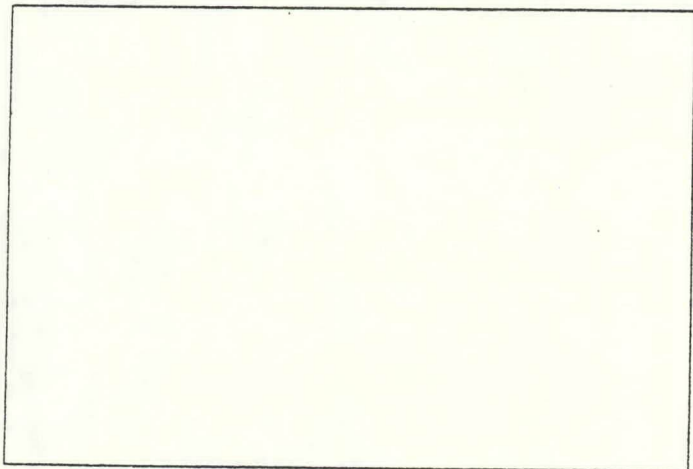
N° Ext. 26 / 18 V0



89 - 11



89 - 12





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

27 / 01 VF

Groupe **A/B**  
Group

VF Supply Variant Valid only for basic form

FICHE D'HOMOLOGATION ADDITIONNELLE POUR MOTEURS SURALIMENTÉS PAR TURBOCOMPRESSEUR(S)  
ADDITIONAL HOMOLOGATION FORM FOR TURBO CHARGED ENGINES

Véhicule : Constructeur FORD Modèle et type SIERRA COSWORTH  
Vehicle : Manufacturer Model and type

Homologation valable à partir du 0-1 JUL. 1989 en groupe A  
Homologation valid as from in group

334. Suralimentation a) Marque et type du turbo compresseur GARRETT TO3B  
Turbocharging Make and type of the turbocharger

b) Carter de turbine : b1) Nombre d'entrées des gaz d'échappement 1  
Turbine housing : Number of exhaust gas entries

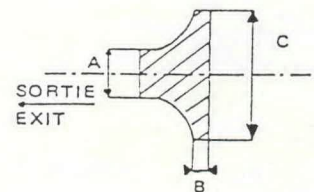
b2) Matériau IRON ALLOY  
Material

c) Roue de turbine : c1) Matériau INCONEL  
Turbine wheel : Material

c2) Nombre d'aubes 11 c3) Hauteur(s) d'une aube 16.7+0.3-0.2 mm  
Number of blades Height(s) of blade

c4) Préciser les cotes A,B,C, selon le schéma suivant :  
Indicate the dimensions A, B, C, according the following sketch :

A = 48.7+/-0.1 mm  
B = 11.8+0.3-0.15 mm  
C = 58.9+/-0.25 mm



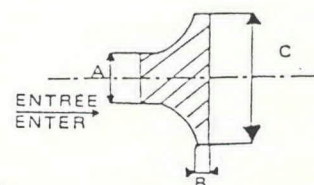
d) Carter de compression : d1) Nombre d'entrée d'air (mélange) 1  
Impeller housing : Number of air entries (gas)

d2) Matériau LIGHT ALLOY  
Material

e) Roue de compression e2) Nombre d'aubes 12 e3) Hauteur(s) d'une aube 13.5 & 14.7+0.15-0.1 m  
Impeller wheel : Number of blades Height(s) of blade

e4) Préciser les cotes A, B, C selon le schéma suivant :  
Indicate the dimensions A, B, C, according to the following sketch,

A = 45+0.1-0.43 mm  
B = 6.34+0.15-0.1 mm  
C = 60.5+0.15-0.55 mm

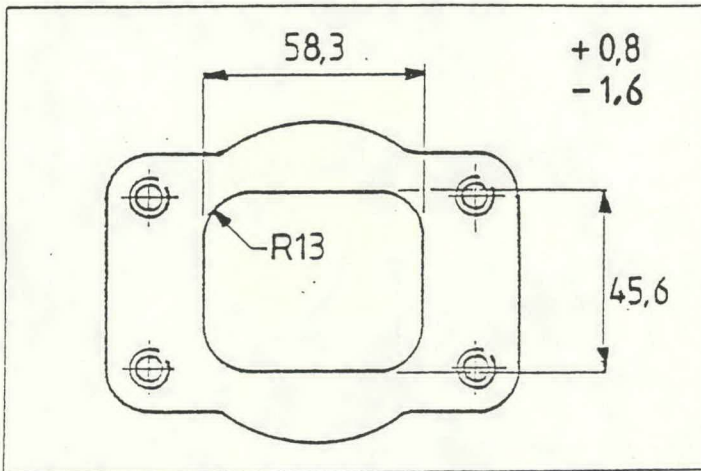


*[Handwritten signature]*

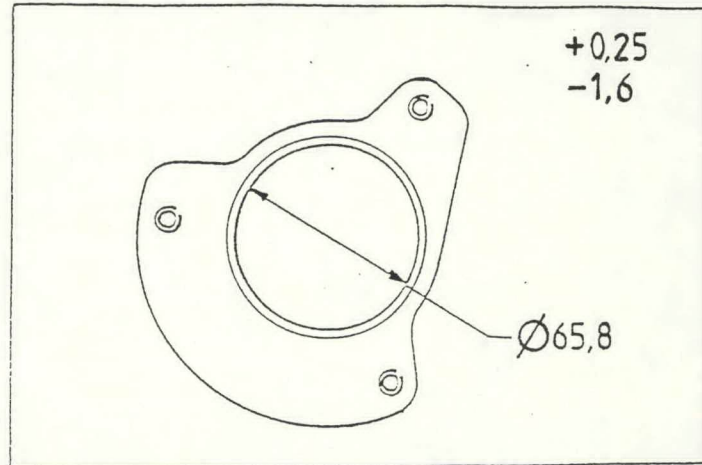


DESSINS / DRAWINGS

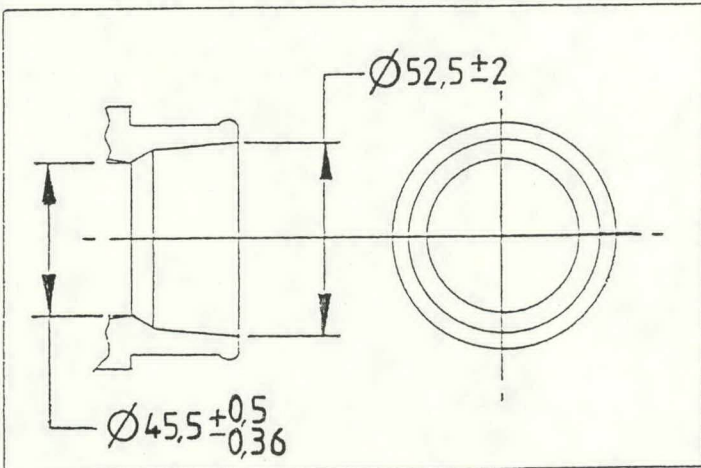
V) Entrée des gaz d'échappement dans le carter de turbine du turbocompresseur  
Exhaust gas entry in the turbine housing of turbocharger.



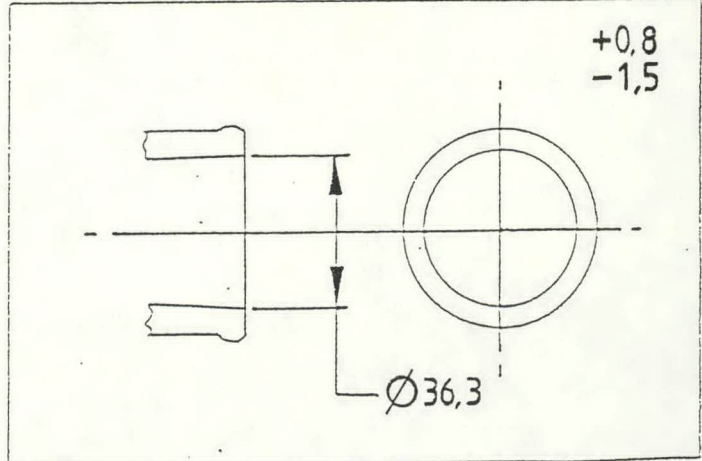
VI) Sortie des gaz d'échappement du carter de turbine du turbocompresseur.  
Exhaust gas exit of the turbine housing of turbocharger.



VII) Entrée de l'air (mélange) dans le carter de compression du turbocompresseur.  
Air (gas) entry in the impeller housing of the turbocharger



VIII) Sortie de l'air (mélange) du carter de compression du turbocompresseur.  
Air (gas) exit of the impeller housing of the turbocharger.



ALL DIMENSIONS IN MILLIMETRES





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

28 / 02 VF

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 JUIL. 1989 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
10	Photo G	Alternative water passage construction, cylinder head face.
11	Photo F	Alternative 3 bolt fixing for Thermostat housing.



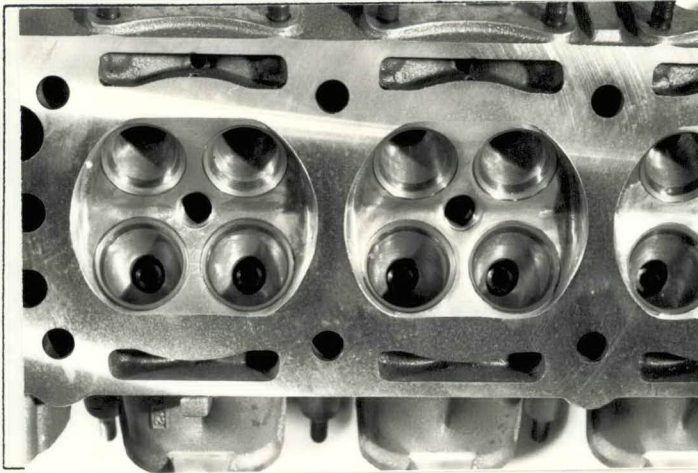
Marque FORD  
Make FORD

Modèle SIERRA COSWORTH  
Model SIERRA COSWORTH

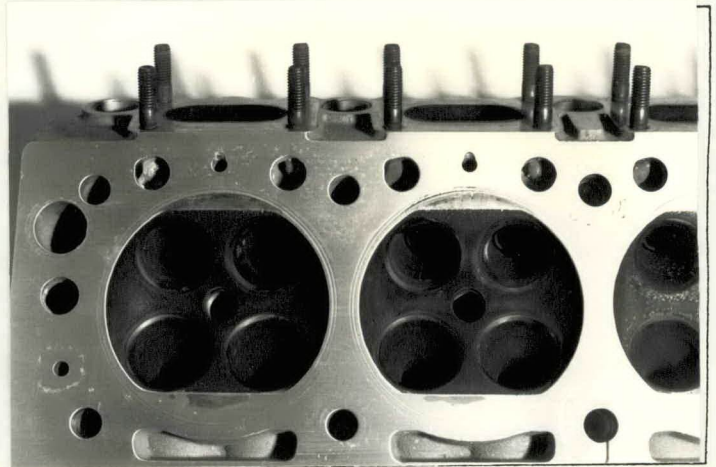
N° Homol. A 5323

PHOTOS / PHOTOS

N° Ext. 28 / 02 VF



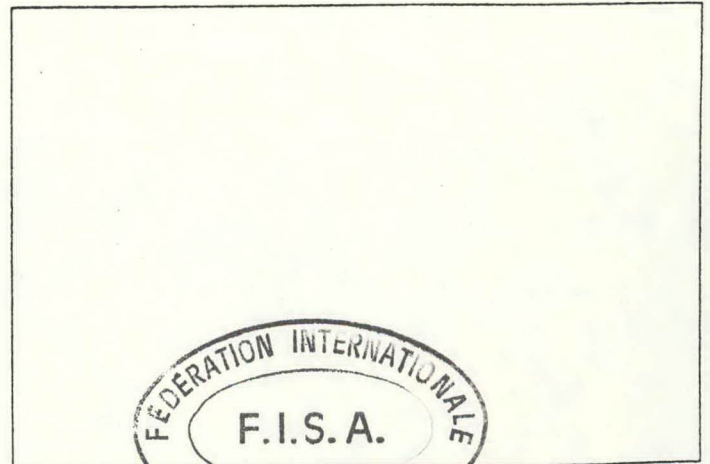
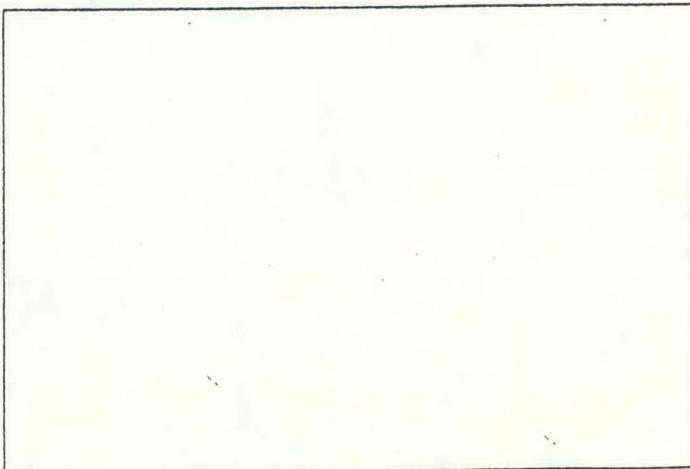
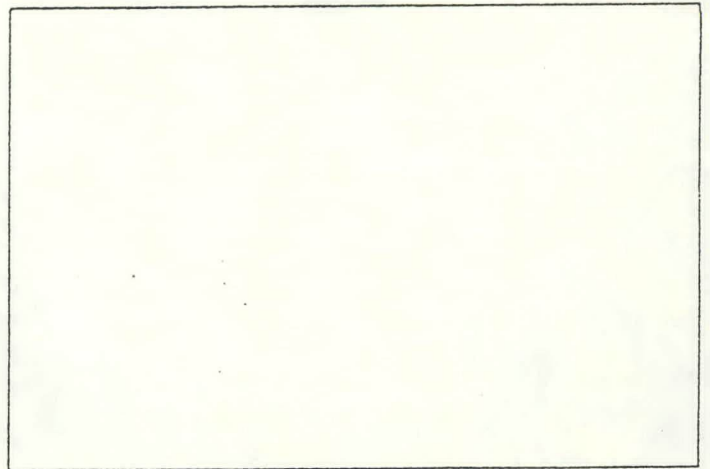
Original Supplier



Alternative Supplier



3 bolt Thermostat flange





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

29 / 19 VO

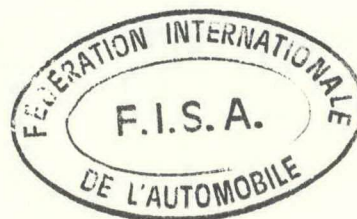
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 JUL. 1989 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
8	803	<p>Alternative brake caliper (front and/or rear) Position of mounting lug may vary depending on disc diameter used Supplier: Harrop Eng Photo 89 - 16</p> <p>803e N° of cylinders 4 803e1 Cylinder bore mm 38.1 31.7</p> <p>803g1 N° of pads 2 803g2 N° of calipers 1 803g3 Caliper material Alloy 803g8 Pad length ± 1.5mm 117</p> <p>( N.B. If this caliper is used on the axle with a hand brake, then a second hand brake caliper may be required)</p>
7	701	<p>Heavy duty rear suspension link (interchangeable with standard component) and complete with revised bearing package Type L Photo 89 - 17</p>



Page or ext. Page or ext.	Art. Art.	Description Description																												
8	803	<p>Alternative brake caliper (front and/or rear)            Calipers identical except for internal machining            and/or mounting lug position for different disc            diameters            Supplier: Harrop Eng Photo 89 - 18</p> <table border="0"> <tr> <td>803e</td> <td>N° of cylinders</td> <td>4</td> <td>4</td> </tr> <tr> <td>803e1</td> <td>Cylinder bore mm</td> <td>44.5</td> <td>47.6</td> </tr> <tr> <td></td> <td></td> <td>38.1</td> <td>41.3</td> </tr> <tr> <td>803g1</td> <td>N° of pads</td> <td>2</td> <td>2</td> </tr> <tr> <td>803g2</td> <td>N° of calipers</td> <td>1</td> <td>1</td> </tr> <tr> <td>803g3</td> <td>Caliper material</td> <td>Alloy</td> <td>Alloy</td> </tr> <tr> <td>803g8</td> <td>Pad length ± 1.5mm</td> <td>130</td> <td>130</td> </tr> </table> <p>( N.B. If this caliper is used on the axle with            a hand brake, then a second hand brake caliper            may be required)</p>	803e	N° of cylinders	4	4	803e1	Cylinder bore mm	44.5	47.6			38.1	41.3	803g1	N° of pads	2	2	803g2	N° of calipers	1	1	803g3	Caliper material	Alloy	Alloy	803g8	Pad length ± 1.5mm	130	130
803e	N° of cylinders	4	4																											
803e1	Cylinder bore mm	44.5	47.6																											
		38.1	41.3																											
803g1	N° of pads	2	2																											
803g2	N° of calipers	1	1																											
803g3	Caliper material	Alloy	Alloy																											
803g8	Pad length ± 1.5mm	130	130																											
8	803	<p>Brake disc (front and/or rear brakes) Discs may            be plain, and/or grooved and/or cross drilled            Photo 89 - 19</p> <table border="0"> <tr> <td>803g4</td> <td>Disc thickness ± 1.5mm</td> <td>32</td> </tr> <tr> <td>803g5</td> <td>Disc O.D. ± 1.5mm</td> <td>343</td> </tr> <tr> <td>803g6</td> <td>Pad O.D. ± 1.5mm</td> <td>343</td> </tr> <tr> <td>803g7</td> <td>Disc I.D. ± 1.5mm</td> <td>225</td> </tr> <tr> <td>803g9</td> <td>Ventilated ? ?</td> <td>Yes</td> </tr> </table> <p>The friction material on the pad may not use            all the disc area available</p>	803g4	Disc thickness ± 1.5mm	32	803g5	Disc O.D. ± 1.5mm	343	803g6	Pad O.D. ± 1.5mm	343	803g7	Disc I.D. ± 1.5mm	225	803g9	Ventilated ? ?	Yes													
803g4	Disc thickness ± 1.5mm	32																												
803g5	Disc O.D. ± 1.5mm	343																												
803g6	Pad O.D. ± 1.5mm	343																												
803g7	Disc I.D. ± 1.5mm	225																												
803g9	Ventilated ? ?	Yes																												
7	701	<p>Anti roll bar (front and rear) with hydraulic            control for roll stiffness. Front and rear bars            mount to existing, homologated, roll bar mounts.            Type A Photo 89 - 20</p>																												
7	701	<p>Control equipment for hydraulic assist anti roll bar            comprising high pressure pump (in tandem with power            steering pump), Increased volume reservoir,            accumulator and pressure control valves, position            and velocity sensors, electronic control with            associated harness Photo 89 - 21</p>																												
9	804	<p>Increased capacity cooler for power steering and            hydraulic assist anti roll bar".</p> <table border="0"> <tr> <td>Type</td> <td>A</td> <td>Photo 89 - 22</td> </tr> <tr> <td>Type</td> <td>B</td> <td>Photo 89 - 23</td> </tr> <tr> <td>Type</td> <td>C</td> <td>Photo 89 - 24</td> </tr> </table>	Type	A	Photo 89 - 22	Type	B	Photo 89 - 23	Type	C	Photo 89 - 24																			
Type	A	Photo 89 - 22																												
Type	B	Photo 89 - 23																												
Type	C	Photo 89 - 24																												



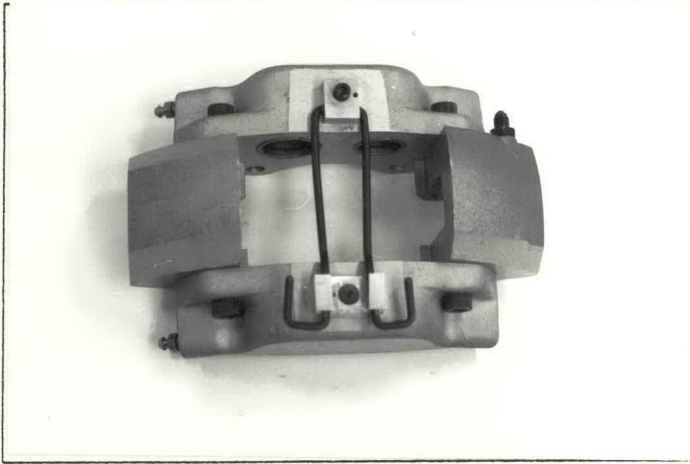
Marque FORD  
Make

Modèle SIERRA COSWORTH  
Model

N° Homol. A 5323

PHOTOS / PHOTOS

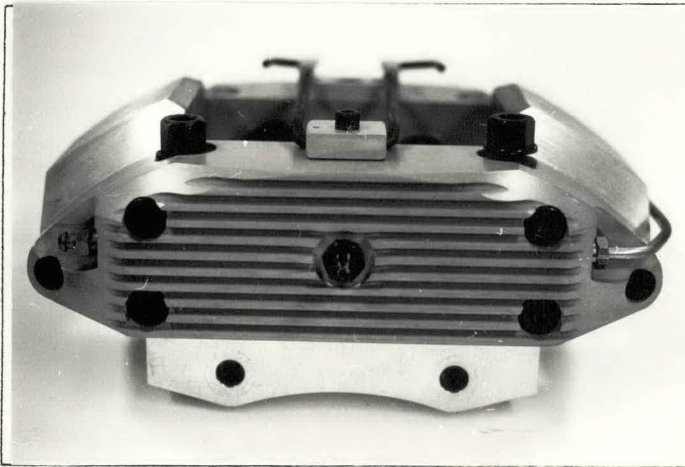
N° Ext. 29 / 19 VO



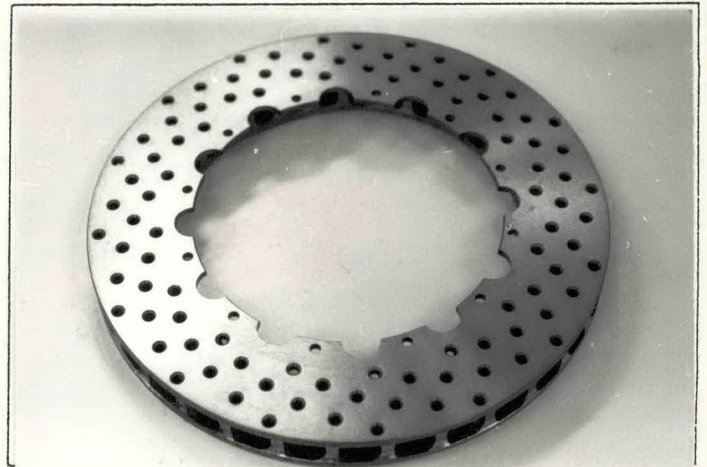
89 - 16



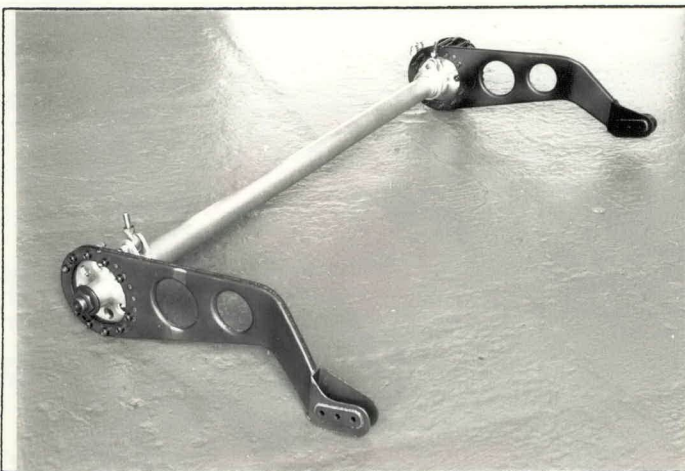
89 - 17



89 - 18



89 - 19



89 - 20



89 - 21

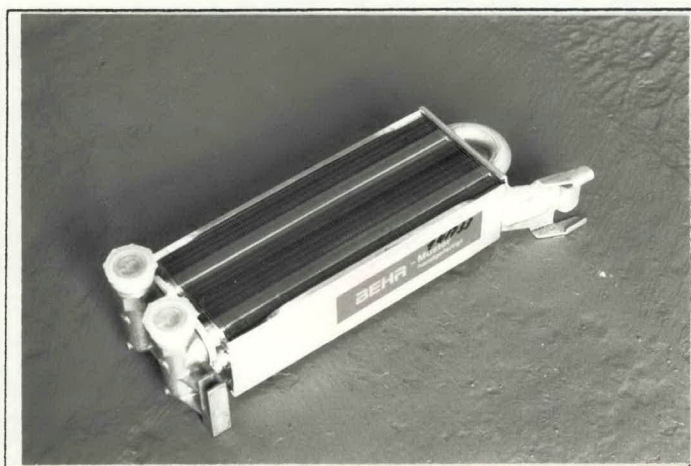
Marque FORD  
Make \_\_\_\_\_

Modèle SIERRA COSWORTH  
Model \_\_\_\_\_

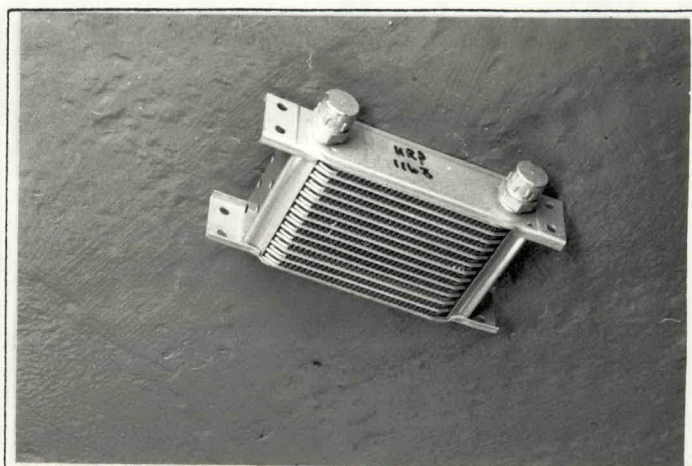
N° Homol. A 5323

PHOTOS / PHOTOS

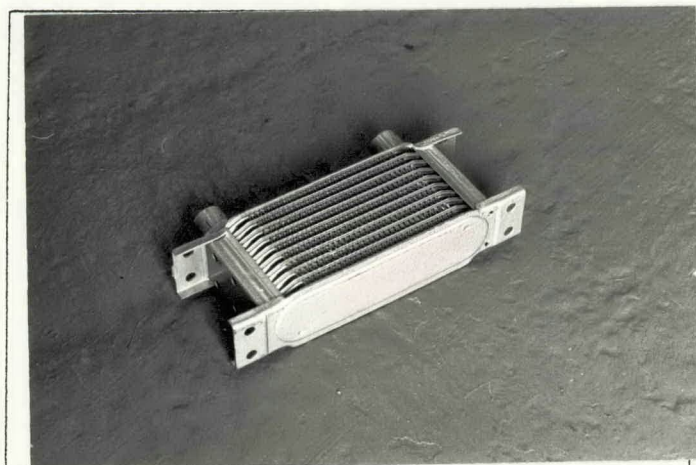
N° Ext. 29 / 19 V0



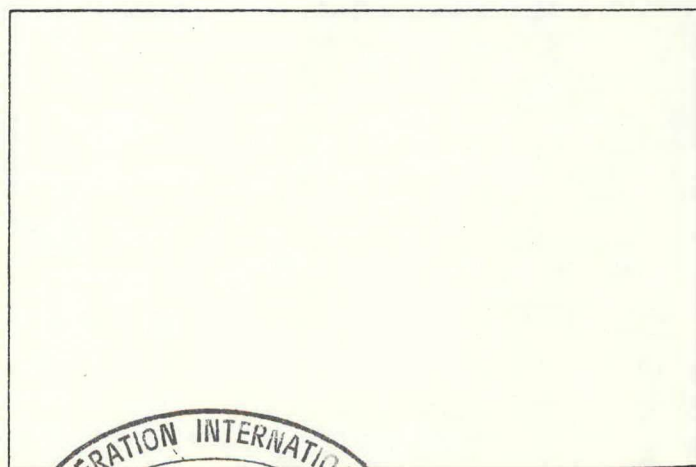
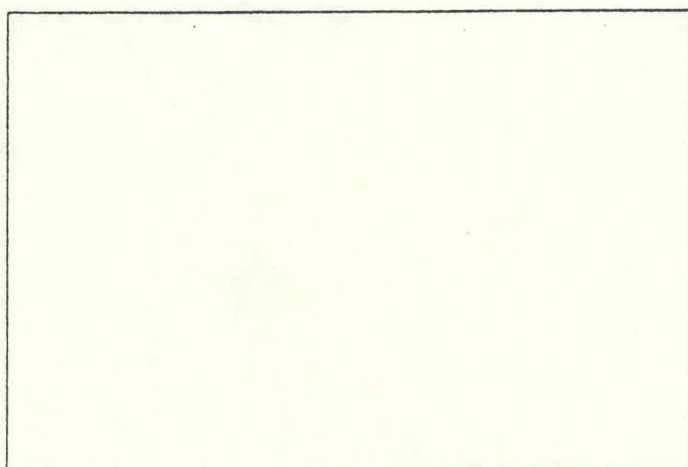
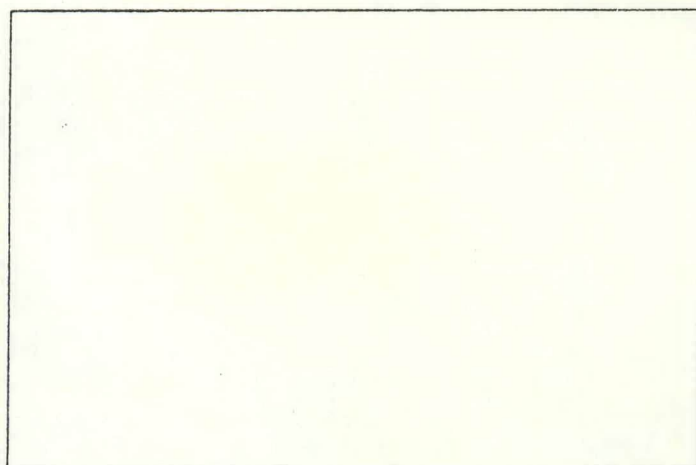
89 - 22



89 - 23



89 - 24



FEDERATION INTERNATIONALE  
F.I.S.A.  
DE L'AUTOMOBILE



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5323

Extension N°

30 / 20 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 OCT. 1989 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description																				
7	605	Final drive Ratio's Ratio 3.0 : 3.15 : 4.86 : 5.14 : 5.29 : Teeth 13/39 : 13/41 : 7/34 : 7/36 : 7/37 :																				
7	705	Revised combined mount for anti roll bar and sump protection (Rally only) Photo 89 - 13																				
8	801	Brake Disc (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 89 - 19 <table border="0"> <tr> <td>803g4</td> <td>Disc thickness ± 1.5 mm</td> <td>36</td> <td>25.4</td> </tr> <tr> <td>803g5</td> <td>Disc O D ± 1.5 mm</td> <td>356</td> <td>305</td> </tr> <tr> <td>803g6</td> <td>Pad O D ± 1.5 mm</td> <td>356</td> <td>305</td> </tr> <tr> <td>803g7</td> <td>Disc I D ± 1.5 mm</td> <td>244</td> <td>203</td> </tr> <tr> <td>803g9</td> <td>Ventilated ??</td> <td>Yes</td> <td>Yes</td> </tr> </table> <p>The friction material on the pad may not use all the disc area available</p>	803g4	Disc thickness ± 1.5 mm	36	25.4	803g5	Disc O D ± 1.5 mm	356	305	803g6	Pad O D ± 1.5 mm	356	305	803g7	Disc I D ± 1.5 mm	244	203	803g9	Ventilated ??	Yes	Yes
803g4	Disc thickness ± 1.5 mm	36	25.4																			
803g5	Disc O D ± 1.5 mm	356	305																			
803g6	Pad O D ± 1.5 mm	356	305																			
803g7	Disc I D ± 1.5 mm	244	203																			
803g9	Ventilated ??	Yes	Yes																			





Marque

Make FORD

Modele

Model SIERRA COSWORTH

N° Homol. A 5323

N° Ext. 30 / 20 VO

Page or ext. Page or ext.	Art. Art.	Description Description
------------------------------	--------------	----------------------------

8

801

Alternative brake caliper (front and/or rear)  
Caliper identical except for internal machining  
and/or mounting lug position for different disc  
diameters

Supplier	A P Racing		Photo 88 - 68
803e	N° of cylinders	4	4
803e1	Cylinder bore mm	31.7	34
803g1	N° of pads	4	4
803g2	N° of calipers	1	1
803g3	Caliper material	Alloy	Alloy
803g8	Pad length ± 1.5 mm	131	131

( N.B. If this caliper is used on the axle with  
with a hand brake, then a second hand brake caliper  
may be required.)



PHOTO 89 - 13





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

**31 / 08 ER**

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 OCT. 1989 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description	
		<u>New</u>	<u>Old</u>
17	334c3	16.7 ± 0.5mm	was 16.7 + 0.3, - 0.2mm
	334c4	A = 48.7 ± 0.15mm	48.7 ± 0.1mm
		B = 11.8 ± 0.5mm	11.8 + 0.3, - 0.15mm
		C = 58.9 ± 0.3mm	58.9 ± 0.25mm
	334e3	13.5 & 14.7 +0.3, - 0.4mm	13.5 & 14.7 + 0.15, - 0.1mm
	334e4	A = 45.0 + 0.1, - 0.5mm	45 ± 0.1mm
		B = 6.34 ± 0.6mm	6.34 + 0.15, - 0.1mm
		C = 60.5 + 0.2, - 0.6mm	60.5 + 0.15, - 0.3mm
20	Drq 5	All dimensions ± 2.0mm	± 0.8mm
	Drq 6	65.8 ± 2.0mm	65.8 ± 0.25mm
	Drq 7	As per Extension 20 - 06 ER	
	Drq 8	36.3 ± 2.0mm	36.3 ± 0.8mm
09-01ES	(NB. This extension is a Sporting Evolution and is NOT valid for Rally or Group N)		
	Drq 5	All Dimensions ± 2.0mm	± 0.8mm
	Drq 6	64.5 ± 2.0mm	64.5 ± 0.25mm
	Drq 7	69.8 ± 2.0mm	69.8 ± 0.25mm
	Drq 8	50.8 ± 2.0mm	50.8 ± 0.8mm





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5323

Extension N°

32 / 21 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe \_\_\_\_\_  
Homologation valid as from 01 MAI 1990 in group A

Constructeur FORD Modèle et type SIERRA COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
4	401	Secondary fuel tank - capacity 1.2 litres. Total fuel tank capacity for class not exceeded. Photo 90 - 01
7	701	Variant on front upright (knuckle) with additional boss for anti roll bar fixing Photo 90 - 02
7	705	Rear anti roll bar and associated mounting bracket Photo 90 - 03
8	801	Brake Disc (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 88 - 17
	803g4	Disc thickness $\pm 1.5$ mm 32 32 32
	803g5	Disc O D $\pm 1.5$ mm 330 350 355
	803g6	Pad O D $\pm 1.5$ mm 330 350 355
	803g7	Disc I D $\pm 1.5$ mm 241 261 261
	803g9	Ventilated ?? Yes Yes Yes
		The friction material on the pad may not use all the disc area available



Page ou ext. Page or ext.	Art. Art.	Description Description
8	801	Brake Disc (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 88 - 16
	803g4	Disc thickness $\pm 1.5$ mm 35.6 35.6 35.6
	803g5	Disc O D $\pm 1.5$ mm 330 350 355
	803g6	Pad O D $\pm 1.5$ mm 330 350 355
	803g7	Disc I D $\pm 1.5$ mm 241 261 261
	803g9	Ventilated ?? Yes Yes Yes The friction material on the pad may not use all the disc area available
8	801	Alternative brake caliper (front and/or rear) caliper identical except for internal machining and/or mounting lug position for different disc diameters. Supplier A P Racing Photo 90 - 04
	803e	No. of cylinders 6 6 6
	803e1	Cylinder bore mm (2x) 41.2 38.1 41.2 38.1 34.9 28.5
	803e1	34.9 28.5 31.7
	803g1	No. of pads 2 2 2
	803g2	No. of calipers 1 1 1
	803g3	Caliper material Alloy Alloy Alloy
	803g8	Pad length 1.5mm 152 152 152 (NB. If this caliper is used on the axle with a hand brake, then a second hand brake caliper may be required).



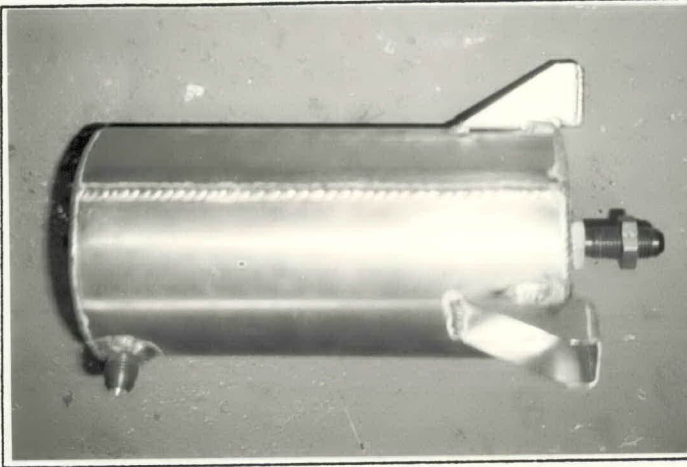
Marque  
Make FORD

Modèle  
Model SIERRA COSWORTH

N° Homol. A5323

PHOTOS / PHOTOS

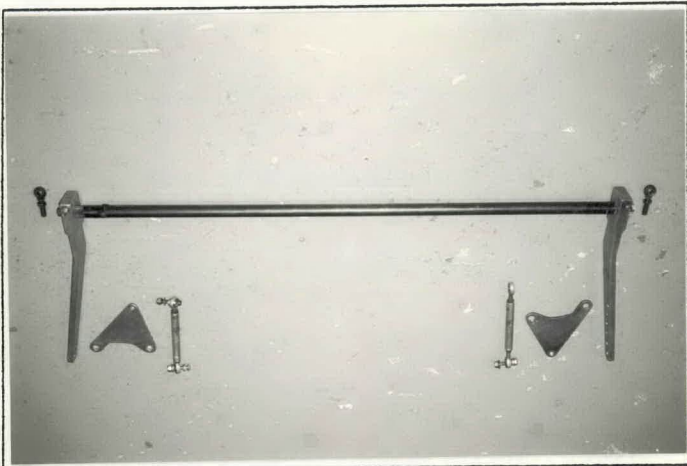
N° Ext. 32 / 21 VO



90 - 01



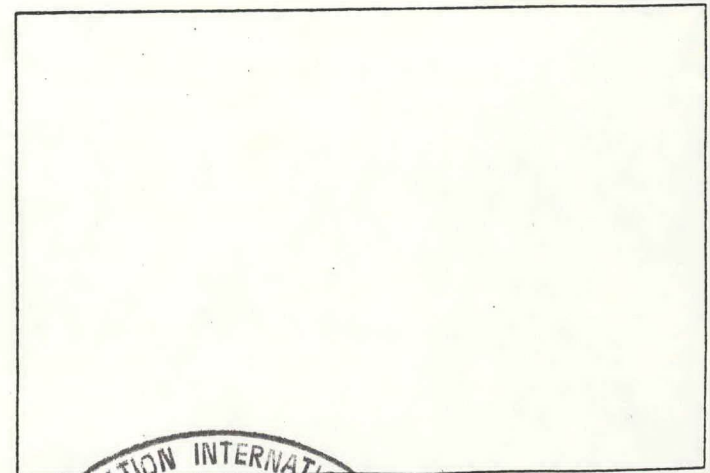
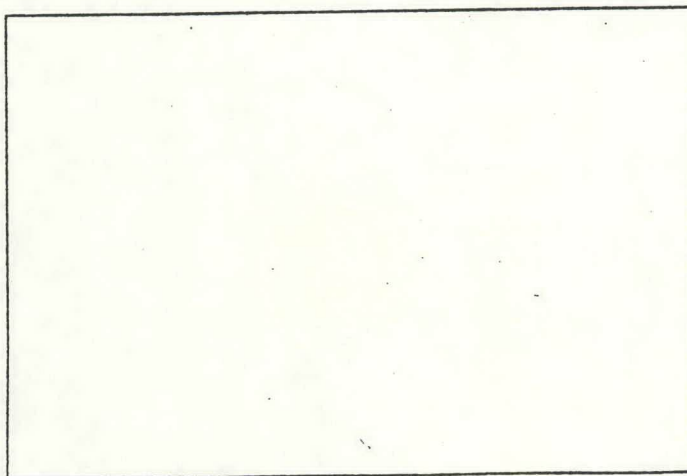
90 - 02



90 - 03



90 - 04





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5323

Extension N°

**33 / 22 VO**

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 1 JAN 1991 en groupe A  
Homologation valid as from 1 JAN 1991 in group A

Constructeur FORD Modèle et type SIERRA RS COSWORTH  
Manufacturer Model and type

Page ou ext. Page or ext.	Art. Art.	Description Description																																				
6	603e	Alternative gear box. Manual gearchange																																				
		<table border="1"> <thead> <tr> <th>Gear</th> <th>Ratio</th> <th>No Teeth</th> <th>Synchro</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2.619</td> <td>33:15</td> <td>✓</td> </tr> <tr> <td>2</td> <td>1.984</td> <td>30:18</td> <td>✓</td> </tr> <tr> <td>3</td> <td>1.607</td> <td>27:20</td> <td>✓</td> </tr> <tr> <td>4</td> <td>1.353</td> <td>25:22</td> <td>✓</td> </tr> <tr> <td>5</td> <td>1.141</td> <td>23:24</td> <td>✓</td> </tr> <tr> <td>6</td> <td>1.0</td> <td>-</td> <td></td> </tr> <tr> <td>Rev</td> <td>2.806</td> <td>33:14</td> <td>-</td> </tr> <tr> <td>Con</td> <td>1.190</td> <td>25:21</td> <td></td> </tr> </tbody> </table> <p>Gear Change</p>	Gear	Ratio	No Teeth	Synchro	1	2.619	33:15	✓	2	1.984	30:18	✓	3	1.607	27:20	✓	4	1.353	25:22	✓	5	1.141	23:24	✓	6	1.0	-		Rev	2.806	33:14	-	Con	1.190	25:21	
Gear	Ratio	No Teeth	Synchro																																			
1	2.619	33:15	✓																																			
2	1.984	30:18	✓																																			
3	1.607	27:20	✓																																			
4	1.353	25:22	✓																																			
5	1.141	23:24	✓																																			
6	1.0	-																																				
Rev	2.806	33:14	-																																			
Con	1.190	25:21																																				



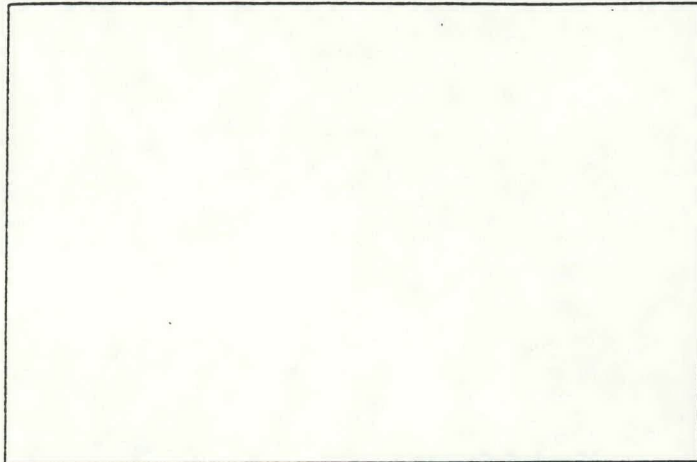
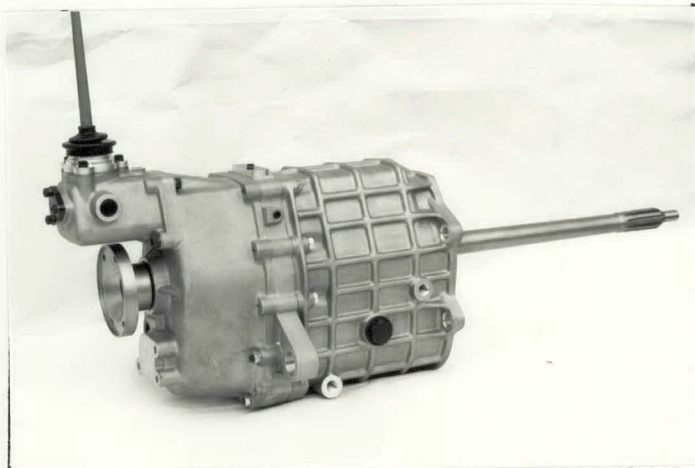
Marque  
Make FORD

Modèle  
Model SIERRA RS COSWORTH

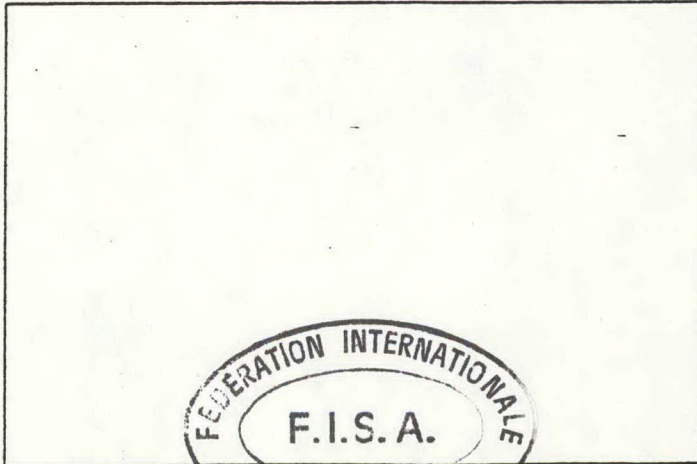
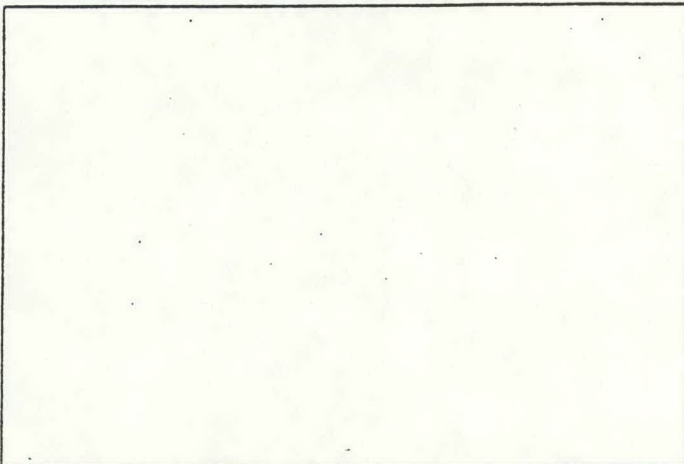
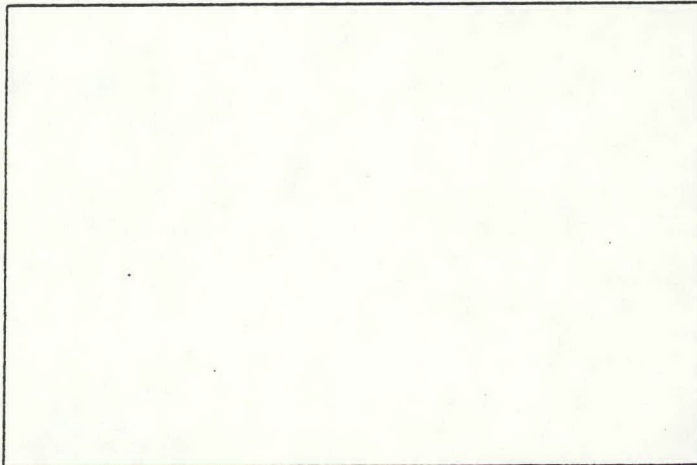
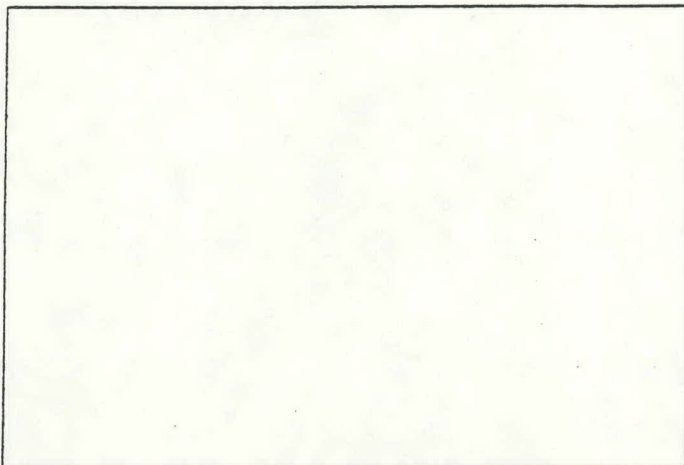
N° Homol. A 5323

PHOTOS / PHOTOS

N° Ext. 33 / 22 V0



Alt Manual Gearbox





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5323

Extension N°

34 / 09 ER

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe \_\_\_\_\_  
Homologation valid as from 1er Mars 1991 in group A

Constructeur \_\_\_\_\_ Modèle et type \_\_\_\_\_  
Manufacturer FORD Model and type SIERRA RS COSWORTH

Page ou ext. Page or ext.	Art. Art.	Description Description
33/22 VO	603e	Read "Gearbox not synchromeshed", instead of "synchromeshed". Lire "boîte non synchronisée", au lieu de "synchronisée".







# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5323

Extension N°

34 / 09 ER

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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** Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe \_\_\_\_\_  
Homologation valid as from 1er Mars 1991 in group A

Constructeur \_\_\_\_\_ Modèle et type \_\_\_\_\_  
Manufacturer FORD Model and type SIERRA RS COSWORTH

Page ou ext. Page or ext.	Art. Art.	Description Description
33/22 VO	603e	Read "Gearbox not synchromeshed", instead of "synchromeshed". Lire "boîte non synchronisée", au lieu de "synchronisée".





FEDERATION INTERNATIONALE  
DU SPORT AUTOMOBILE

Homologation No

A-5323

Groupe A  
Group

Extension No

35 / 10 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 FORD Modèle et type SIERRA RS COSWORTH  
Vehicle: Manufactureur \_\_\_\_\_ Model and type \_\_\_\_\_

Homologation valable à partir du 01/01/92  
Homologation valid as from \_\_\_\_\_

Page ou ext. Page or ext.	Article Article	Description Description
05/05	VO	<p>L'homologation des arceaux en aluminium ou alliage léger est supprimée.</p> <p>The homologation of aluminium or light alloy rollcages is cancelled.</p>





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

**N - 5323** N

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

Homologation valable à partir du 1 Jan 87 prononcée par FISA  
Homologation valid as from \_\_\_\_\_ decided by \_\_\_\_\_

En complément de la fiche de Gr. A n° A - 5323  
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 FORD  
Manufacturer \_\_\_\_\_

102. Dénomination(s) commerciale(s) – Modèle et type SIERRA R S COSWORTH  
Commercial name(s) – Type and model \_\_\_\_\_

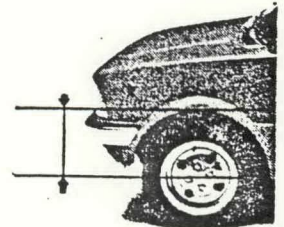
103. Cylindrée totale 1993.9 x 1.4 = 2791.5 cm<sup>3</sup>  
Cylinder capacity \_\_\_\_\_

### 2. DIMENSIONS, POIDS / DIMENSIONS, WEIGHTS

201. Poids minimum 1130 kg  
Minimum weight \_\_\_\_\_

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

AV 280  
Front \_\_\_\_\_ mm  
AR 300  
Rear \_\_\_\_\_ mm



*[Handwritten signature]*



Marque FORD Modèle SIERRA RS COSWORTH N° Homol. N-5323 N  
 Make FORD Model SIERRA RS COSWORTH

207. Voie maximum AV 1500 mm AR 1515 mm  
 Maximum track Front Rear

208. Garde au sol minimum 110 mm Endroit de la mesure under Front X member  
 Minimum ground clearance Where measured

**3. MOTEUR / ENGINE**

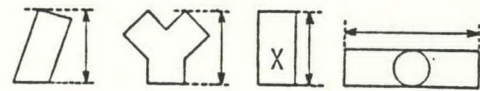
302. Nombre de supports 3  
 Number of supports

308. Volume minimal total d'une chambre de combustion 71 cm<sup>3</sup>  
 Total minimum volume of a combustion chamber

309. Volume minimum d'une chambre de combustion dans la culasse 50.4 cm<sup>3</sup>  
 Minimum volume of a combustion chamber in the cylinderhead

310. Rapport volumétrique maximum (par rapport à l'unité) 8.75  
 Maximum compression ratio (in relation with the unit)

311. Hauteur minimum du bloc-cylindres 223 mm  
 Minimum height of the cylinder block



313. Chemises b) Matériau cast iron, if fitted  
 Sleeves Material

317. Piston a) Matériau Aluminium alloy  
 Piston Material

b) Nombre de segments 3 c) Poids minimum 602 g  
 Number of rings Minimum weight

d) Distance de la médiane de l'axe au sommet du piston 40.7±0,1 mm  
 Distance from gudgeon pin center line to highest point of piston crown

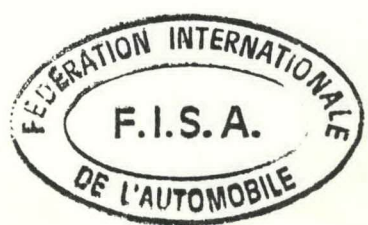
e) Distance (+/-) entre le sommet du piston au PMH et le plan de joint du bloc-cylindre -0.1/+0,15 mm  
 Distance (+/-) between the top of the piston at TDC and the gasket plane of the cylinderblock

f) Volume de l'évidement du piston 0.8 cm<sup>3</sup>  
 Piston groove volume

319. Vilebrequin i) Diamètre maximum des manetons 52 mm  
 Crankshaft Maximum diameter of big end journals

320. Volant moteur c) Poids minimum avec couronne de démarreur et embrayage complet 15760 g  
 Flywheel Minimum weight of the flywheel with starter ring and complete clutch

321. Culasse: c) Hauteur minimum 138.8 mm  
 Cylinderhead: Minimum height  
 d) Endroit de la mesure head to machined top deck  
 Where measured



NR

Marque FORD  
 Make FORD

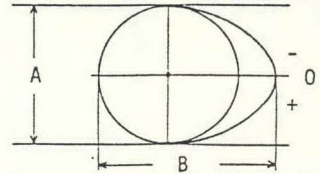
Modèle SIERRA COSWORTH  
 Model SIERRA COSWORTH

N° Homol. N-5323 N

322. Epaisseur du joint de culasse serré 1.2 ± 0.2 mm  
 Thickness of the tightened cylinderhead gasket \_\_\_\_\_ mm

325. Arbre à cames e) Diamètre des paliers 28mm nom. for plain bearings mm  
 Camshaft Diameter of bearings \_\_\_\_\_ mm

g) Dimensions de la came Admission:  $A = \frac{38.25}{}$  mm  
 Cam dimensions Inlet:  $B = \frac{46.8}{}$  mm  
 (see sheet 11) Echappement  $A = \frac{38.25}{}$  mm  
 Exhaust  $B = \frac{46.8}{}$  mm



326. Distribution a) Jeu théorique pour la distribution Admission \_\_\_\_\_ mm Echappement \_\_\_\_\_ mm  
 Timing Theoretical timing clearance Inlet \_\_\_\_\_ mm Exhaust \_\_\_\_\_ mm

b) Avance à l'ouverture (avec jeu théorique (326 a))  
 Valves open at (with theoretical timing clearance (326 a))  
 Admission 8 ° avant/après PMH Echappement 52 ° avant/après PMB  
 Inlet before/after TDC Exhaust before/after BDC

c) Retard à la fermeture (avec jeu théorique (326 a))  
 Valves closes at (with theoretical timing clearance (326 a))  
 Admission 52 ° avant/après PMB Echappement 8 ° avant/après PMH  
 Inlet before/after BDC Exhaust before/after TDC

d) Levée de came en mm (arbre démonté) (dessin/drawing art. 325)  
 Cam lifts in mm (dismounted camshaft)

Admission / Inlet

Echappement / Exhaust

0 = 8.6 mm

0 = 8.6 mm

- 5° = <u>8.48</u> mm	+ 5° = <u>8.48</u> mm	- 5° = <u>8.48</u> mm	+ 5° = <u>8.48</u> mm
- 10° = <u>8.25</u> mm	+ 10° = <u>8.25</u> mm	- 10° = <u>8.25</u> mm	+ 10° = <u>8.25</u> mm
- 15° = <u>7.85</u> mm	+ 15° = <u>7.85</u> mm	- 15° = <u>7.85</u> mm	+ 15° = <u>7.85</u> mm
- 30° = <u>5.79</u> mm	+ 30° = <u>5.79</u> mm	- 30° = <u>5.79</u> mm	+ 30° = <u>5.79</u> mm
- 45° = <u>2.61</u> mm	+ 45° = <u>2.61</u> mm	- 45° = <u>2.61</u> mm	+ 45° = <u>2.61</u> mm
- 60° = <u>0.06</u> mm	+ 60° = <u>0.06</u> mm	- 60° = <u>0.06</u> mm	+ 60° = <u>0.06</u> mm
- 75° = <u>0</u> mm	+ 75° = <u>0</u> mm	- 75° = <u>0</u> mm	+ 75° = <u>0</u> mm
- 90° = <u>0</u> mm	+ 90° = <u>0</u> mm	- 90° = <u>0</u> mm	+ 90° = <u>0</u> mm
- 105° = _____ mm	+ 105° = _____ mm	- 105° = _____ mm	+ 105° = _____ mm
- 120° = _____ mm	+ 120° = _____ mm	- 120° = _____ mm	+ 120° = _____ mm
- 135° = _____ mm	+ 135° = _____ mm	- 135° = _____ mm	+ 135° = _____ mm
- 150° = _____ mm	+ 150° = _____ mm	- 150° = _____ mm	+ 150° = _____ mm

Tolerance +/- 0.2 mm and +/- 2°



Marque Make FORD

Modèle Model SIERRA R.S COSWORTH

N° Homol. N-5323 N

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)

Tol. +/- 0.2mm.  
L +/- 2°

Admission / Inlet

Echappement / Exhaust

Art. 326 b) = 8 ° avant/avant PMH  
before/after TDC = 0,0 mm

+ 20°	=	<u>1.41</u>	mm
+ 40°	=	<u>3.76</u>	mm
+ 60°	=	<u>5.78</u>	mm
+ 80°	=	<u>7.30</u>	mm
+ 100°	=	<u>8.25</u>	mm
+ 120°	=	<u>8.6</u>	mm
+ 140°	=	<u>8.25</u>	mm
+ 160°	=	<u>7.30</u>	mm
+ 180°	=	<u>5.78</u>	mm
+ 200°	=	<u>3.76</u>	mm
+ 220°	=	<u>1.41</u>	mm
+ 240°	=	<u>0</u>	mm
+ 260°	=	_____	mm
+ 280°	=	_____	mm
+ 300°	=	_____	mm
+ 320°	=	_____	mm
+ 340°	=	_____	mm
+ 360°	=	_____	mm

(crank)

Art. 326 b) = 52 ° avant/avant PMB  
before/after BDC = 0,0 mm

+ 20°	=	<u>1.41</u>	mm
+ 40°	=	<u>3.76</u>	mm
+ 60°	=	<u>5.78</u>	mm
+ 80°	=	<u>7.30</u>	mm
+ 100°	=	<u>8.25</u>	mm
+ 120°	=	<u>8.6</u>	mm
+ 140°	=	<u>8.25</u>	mm
+ 160°	=	<u>7.30</u>	mm
+ 180°	=	<u>5.78</u>	mm
+ 200°	=	<u>3.76</u>	mm
+ 220°	=	<u>1.41</u>	mm
+ 240°	=	<u>0</u>	mm
+ 260°	=	_____	mm
+ 280°	=	_____	mm
+ 300°	=	_____	mm
+ 320°	=	_____	mm
+ 340°	=	_____	mm
+ 360°	=	_____	mm

(crank)

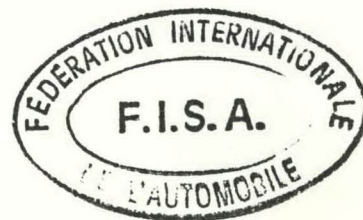
327. Admission h) Nombre de ressorts par soupape  
Inlet Number of springs per valve 1

- i) Caractéristiques des ressorts: Sous une charge de 257N kg, la longueur max. du ressort est de 32 mm  
Spring characteristics: Under a load of 257N kg, the max. length of the spring is 32 mm
- Caractéristiques des ressorts: Sous une charge de 620N kg, la longueur max. du ressort est de 24 mm  
Spring characteristics: Under a load of 620N kg, the max. length of the spring is 24 mm
- k) Diamètre extérieur des ressorts 30 mm  
Exterior diameter of the springs 30 mm
- m) Diamètre du fil des ressorts 3,9±0.1 mm  
Diameter of spring wire 3,9±0.1 mm
- l) Nombre de spires des ressorts 5.8 mm  
Number of spring coils 5.8 mm
- n) Longueur libre maximum des ressorts 40 mm  
Maximum free length of the springs 40 mm

328. Echappement

Exhaust

- c) Diamètre de(s) sortie(s) du collecteur  
Diameter of the manifold exit(s) see sheet 10 mm
- i) Nombre de ressorts par soupape 1  
Number of springs per valve 1
- k) Caractéristiques des ressorts: Sous une charge de 257N kg, la longueur max. du ressort est de 32 mm  
Spring characteristics: Under a load of 257N kg, the max. length of the spring is 32 mm
- l) Diamètre extérieur des ressorts 30 mm  
Exterior diameter of the springs 30 mm
- m) Nombre de spires des ressorts 5.8  
Number of spring coils 5.8
- n) Diamètre du fil des ressorts 3,9±0.1 mm  
Diameter of spring wire 3,9±0.1 mm
- o) Longueur libre maximum des ressorts 40 mm  
Maximum free length of the springs 40 mm



N4

Marque  
Make FORD

Modèle  
Model SIERRA R.S COSWORTH

N° Homol. N-5323 **N**

329. Système anti-pollution a)  oui / non  
Anti pollution system  Yes / no  
b) Description  
Description \_\_\_\_\_  
\_\_\_\_\_

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

331. Capacité du circuit de refroidissement 8.5  
Cooling system capacity \_\_\_\_\_ L

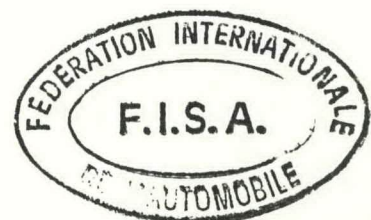
332. Ventilateur de refroidissement a) Nombre 2 b) Diamètre de l'hélice  
Cooling fan Number \_\_\_\_\_ Diameter of the screw \_\_\_\_\_ mm  
c) Matériau de l'hélice d) Nombre de pales  
Material of the screw plastic Number of blades \_\_\_\_\_  
e) Type de connection f) Ventilateur débrayable  oui /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

333. Système de lubrification c) Capacité totale  
Lubrification system Total capacity 3.8 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) alongside engine block

#### 4. CIRCUIT DE CARBURANT / FUEL CIRCUIT

401. Réservoir e) Emplacement des orifices  
Fuel tank Filler holes location rear quarter panel

402. Pompe(s) à essence a)  Electrique  Mécanique  
Fuel pump(s)  Electrical  Mechanical  
b) Nombre 1 c) Marque et type Bosch  
Number \_\_\_\_\_ Make and type \_\_\_\_\_  
d) Emplacement e) Débit maximum  
Location close to fuel tank Maximum flow 2.5 l/mn



**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
steel alloy	steel alloy
<del>oui</del> /non yes/no	<del>oui</del> /non yes/no
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm

- g) Caractéristiques des ressorts: Sous une charge de 2.56kN ~~Kg~~, la longueur min. du ressort AV est de 156 mm
- Spring characteristics: Under a load of \_\_\_\_\_ ~~Kg~~, the min. length of the front spring is \_\_\_\_\_ mm
- Sous une charge de 2.7kN ~~Kg~~, la longueur min. du ressort AR est de 240 mm
- Under a load of \_\_\_\_\_ ~~Kg~~, the min. length of the rear spring is \_\_\_\_\_ mm

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

A = *Lame maitresse / 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

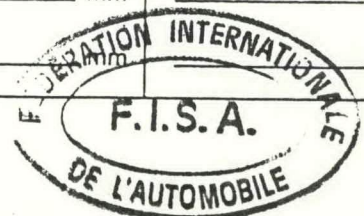
A = *major leaf / X = auxiliary leaf*  
 2 = 2nd leaf / 3 = 3rd leaf / 4 = 4th leaf / 5 = 5th leaf

- a) Matériau  
Material
- 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  
Make FORD

Modèle  
Model SIERRA R.S COSWORTH

N° Homol. N-5323 **N**

**5. EQUIPEMENT ELECTRIQUE / ELECTRICAL EQUIPEMENT**

501. Batterie(s)    b) Tension                      12                      c) Emplacement  
Battery(ies)    Tension                      V                      Location                      engine bay

502. Génératrice(s)    a) Nombre                      1  
Generator(s)    Number                        
b) Type                      alternator                      c) Système d'entraînement                      belt  
Type                      Drive system                     

503. Phares escamotables:    a) ~~o~~/non                      b) Système de commande  
Retractable headlights:    ~~y~~/no                      Drive system                      -

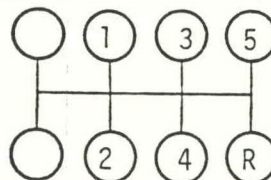
**6. TRANSMISSION / DRIVE**

602. Embrayage    a) Type                      dry plate                      d) Diamètre du(des) disque(s)                      242<sup>±</sup>2  
Clutch    Type                      Diameter of the plate(s)                      mm

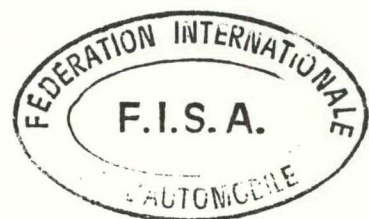
603. Boîte de vitesse  
Gearbox  
e) rapports ratios

	Manuelle / Manual			Automatique / Automatic		
	rappports ratio	nombre de dents/ number of teeth	synchro.	rappports ratio	nombre de dents/ number of teeth	synchro.
1	2.952	32/14	X			
2	1.937	33/22	X			
3	1.336	30/29	X			
4	1.00	-	X			
5	0.804	33/53	X			
AR/R	2.755	32/15				
Constante Constant.	1.292	32/24				

f) Grille de vitesse  
Gear change gate



605. Couple final    b) Rapport                      3.64                      c) Nombre de dents  
Final drive    Ratio                      Number of teeth                      51 : 14



**N7**

Marque  
Make FORD

Modèle  
Model SIERRA R.S COSWORTH

N° Homol. N-5323 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
_____	_____
_____	_____

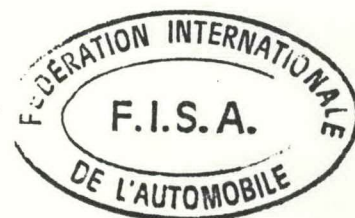
**706. Stabilisateur**  
Stabilizer

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

AV / Front	AR / Rear
<u>See page 10c</u> mm	_____ mm
<u>28</u> mm	<u>14</u> mm
<u>steel</u>	<u>steel</u>
_____	_____
_____ mm	_____ mm
<u>X</u> oui/non <u>yes/no</u>	<u>X</u> oui/non <u>yes/no</u>
<u>190</u> mm	<u>-</u> mm
_____ mm	_____ 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 / Make FORD

Modèle / Model SIERRA R.S COSWORTH

N° Homol. N-5323 **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
15 "	15 "	15 "
381 mm	381 mm	381 mm
7 "	7 "	7 "
178 mm	178 mm	178 mm
FORD	FORD	FORD
Aluminium alloy	aluminium alloy	aluminium alloy
7.5 kg	7.5 kg	7.5 kg
142 mm	142 mm	142 mm

802. Emplacement de la roue de secours / Location of the spare wheel in rear compartment

**9. CARROSSERIE / BODYWORK**

901. Intérieur / Interior      c) Climatisation / Air conditioning      ~~oui~~/non / ~~yes~~/no

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

AR / Rear	AV / Front
bench	bucket
<del>oui</del> /non / <del>yes</del> /no	oui/non / yes/no optional
7.8 kg	18.6 kg (including runners)

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

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

e1) Matériau / Material fibre board

**902. Extérieur / Exterior**

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



**N9**

Marque  
Make FORD

Modèle  
Model SIERRA R.S COSWORTH

N° Homol. N-5323N

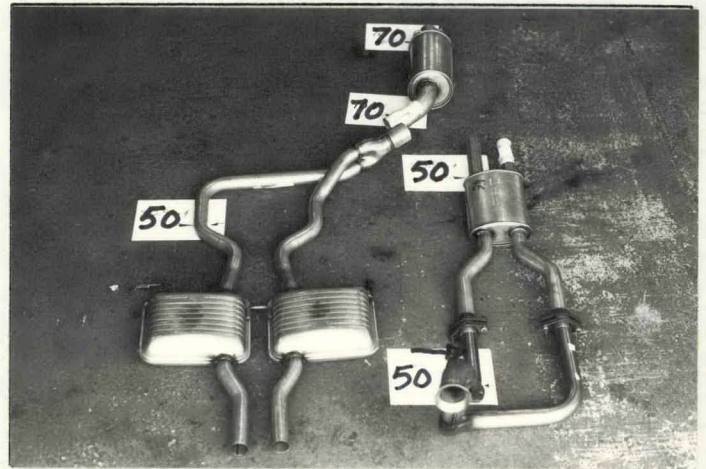
**PHOTOS / PHOTOS**

**Moteur / Engine**

AA) Piston de profil  
Piston profile

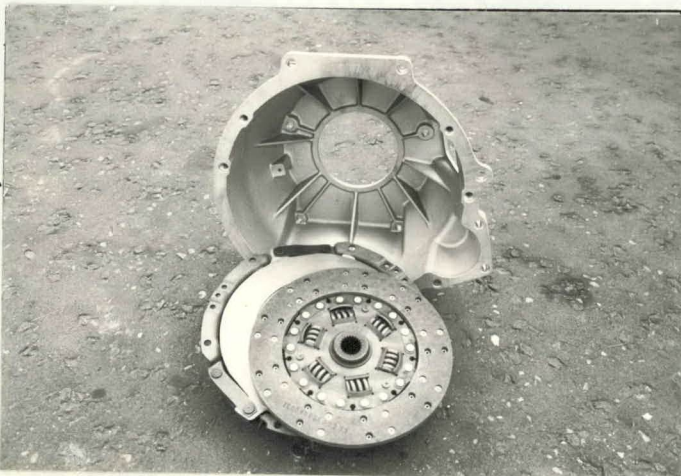


BB) Echappement complet  
Complete exhaust system



**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



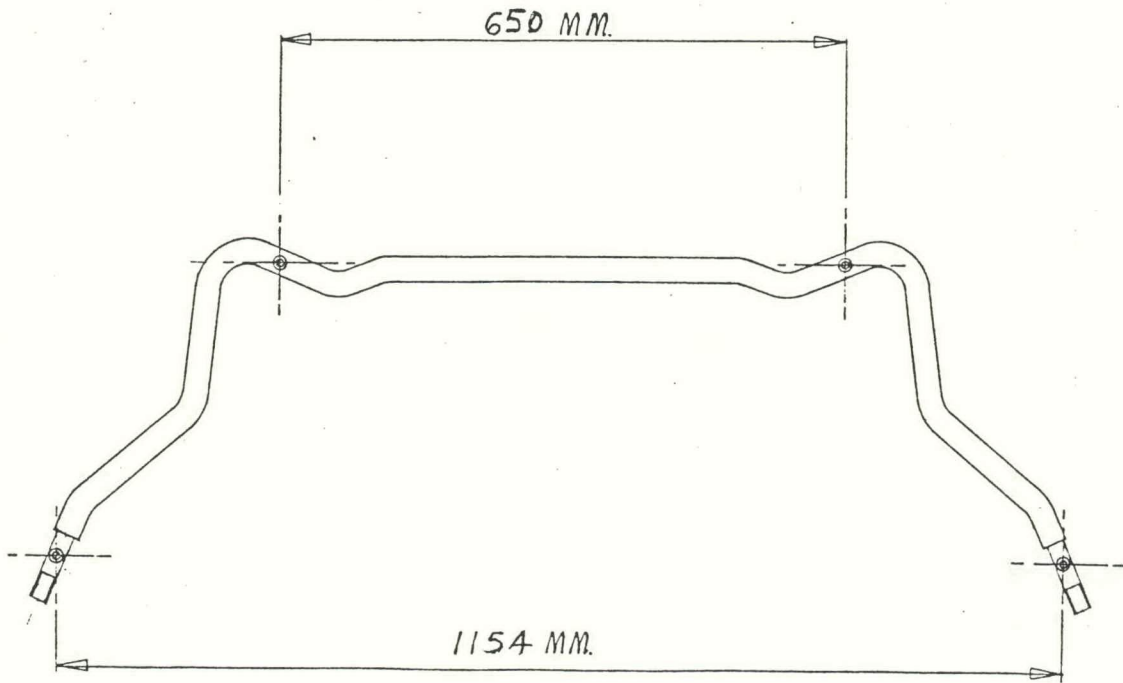
Marque  
Make FORD

Modèle  
Model SIERRA R.S. COSWORTH

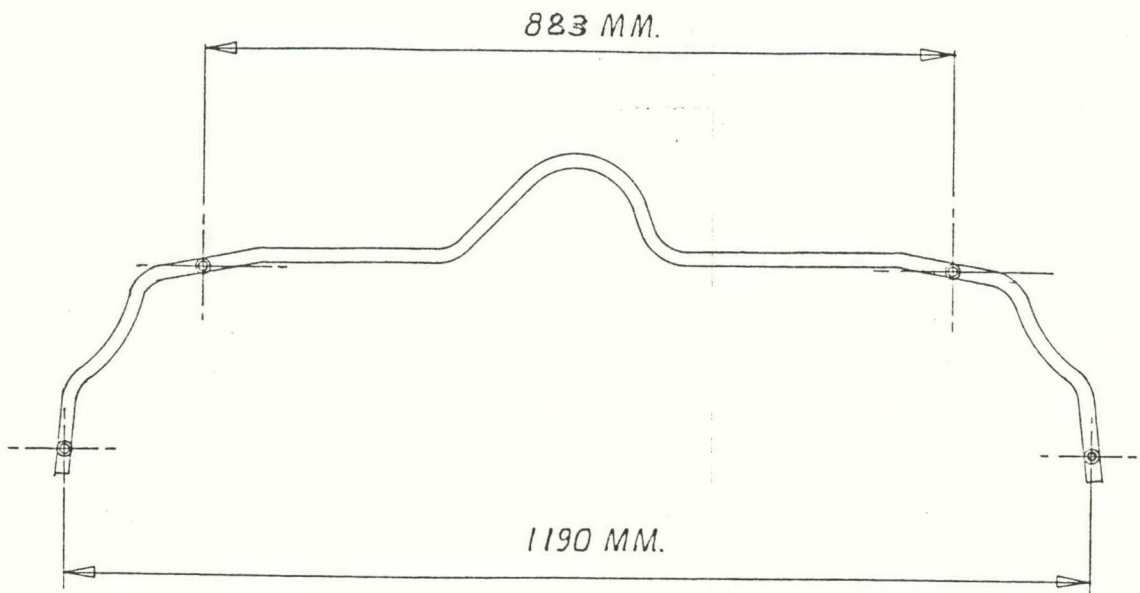
N° Homol. **N-5323**

N° Ext. \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
------------------------------	--------------	----------------------------

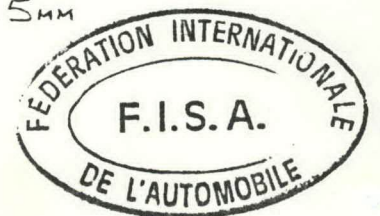


FRONT ANTIROLL BAR



REAR ANTIROLL BAR

TOLERANCE  $\pm 5$ MM



N11

Marque Make FORD Modèle Model SIERRA RS COSWORTH N° Homol. N-5323

N° Ext. \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
	334	<u>SURALIMENTATION</u>  FOR AN OPENING OF 0.38 MM CORRESPONDING PRESSURE IS 0,420 BAR.



N12



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

N 5323

Extension N°

01 / 01 ER

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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** Errata / Erratum

Homologation valable dès le 01 JUIN 1987 en groupe N  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type Sierra RS Cosworth  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
6	603E	<p>Constant / Number of teeth</p> <p>READ : 31/24</p> <p>INSTEAD OF : 32/24</p>



*[Handwritten signature]*



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

5323

Extension N°

02 / 02 ER

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le 01 AOUT 1987 en groupe N  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA RS COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
N2	308	Min. Vol. of Combustion chamber = 64.3cc (was quoted as 71cc which is Nominal vol.)
N2	309	Min. Vol. of chamber in Cyl. head = 48.8cc (was quoted as 50.4cc which is Nominal vol.)
N2	311	Min. height of Cyl. block = 220.6mm (was quoted as 223mm)
N2	317e	Piston above block at TDC = 0.4 +/- 0.22mm (was -0.1/+ 0.15mm)
N2	321c	Min. height of Cyl. head = 138.4mm (was quoted as 138.8mm which is nominal dimension)



*[Handwritten signature]*

N14





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

N - 5323

Extension N°

03 / 03 ER

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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** Errata / Erratum

Homologation valable dès le \_\_\_\_\_ 1er Octobre 1987 \_\_\_\_\_ en groupe \_\_\_\_\_ N  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur \_\_\_\_\_ FORD \_\_\_\_\_ Modèle et type \_\_\_\_\_ Sierra RS Cosworth \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
	332	Cooling Fan
	332b	280 mm +/- 3 mm
	332d	6 on each



*[Handwritten signature]*



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

N - 5323

Extension N°

04 / 04 ER

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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** Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe N  
Homologation valid as from 1er Janvier 1988 in group \_\_\_\_\_

Constructeur FORD Modèle et type Sierra RS Cosworth  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
		<p>Suite au changement du coefficient de suralimentation porté de (1.4) à (1.7) à partir du 1er Janvier 1988 :</p> <p><u>Article 103</u> : 1993.9 x 1.7 = 3389.63</p>



*[Handwritten signature]*



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

N 5323

Extension N°

**05 / 05 ER**

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe \_\_\_\_\_ N  
Homologation valid as from 1 October 1990 in group \_\_\_\_\_

Constructeur FORD Modèle et type SIERRA RS COSWORTH  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
N2	317f	Volume of Bowl in Piston = 16.25 cc ± 0.5 cc: was quoted as 0.8 cc (Volume above top ring)

