



FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5370Groupe
Group **A/B**FICHE D'HOMOLOGATION CONFORME A L'ANNEXE J DU CODE SPORTIF INTERNATIONAL
HOMOLOGATION FORM IN ACCORDANCE WITH APPENDIX J OF THE INTERNATIONAL SPORTING CODEHomologation valable à partir du
Homologation valid as from**01 OCT. 1988**en groupe **A**
in group

Photo A

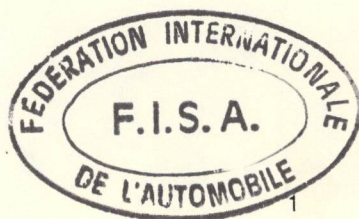


Photo B



1. DEFINITIONS / DEFINITIONS

101. Constructeur
Manufacturer **FORD**
102. Dénomination(s) commerciale(s) — Modèle et type
Commercial name(s) — Type and model **SIERRA COSWORTH (4 DOORS)**
103. Cylindrée totale
Cylinder capacity **1993.9 X 1.7 = 3389.6 cm³**
104. Mode de construction
Type of car construction
- | | | |
|-------------------------------------|---|--|
| ☐ | séparée, matériau du châssis
separate, material of chassis | Steel sheet with plastic
body mouldings |
| ☒ | monocoque
unitary construction | |
105. Nombre de volumes
Number of volumes **3**
106. Nombre de places
Number of places **5**



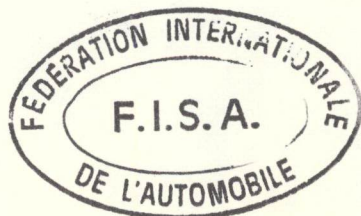
Marque FORD Modèle SIERRA COSWORTH N° Homol. A-5370
Make _____ Model _____

2. DIMENSIONS, POIDS / DIMENSIONS, WEIGHT

202. Longueur hors-tout 4498 mm $\pm 1\%$
Overall length
203. Largeur hors-tout 1705 mm $\pm 1\%$ Endroit de la mesure At rear axle
Overall width Where measured
204. Largeur de la carrosserie: a) A la hauteur de l'axe AV 1675 mm $\pm 1\%$
Width of bodywork: At front axle
b) A la hauteur de l'axe AR 1705 mm $\pm 1\%$
At rear axle
206. Empattement: a) Droit 2625 mm $\pm 1\%$ b) Gauche: 2625 mm $\pm 1\%$
Wheelbase: Right Left
209. Porte-à-faux: a) AV: 816 mm $\pm 1\%$ b) AR: 1057 mm $\pm 1\%$
Overhang: Front: Rear:
210. Distance «G» (volant — paroi de séparation AR) 1627 mm $\pm 1\%$
Distance «G» (steering wheel — rear bulkhead)

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: Front, longitudinal, vertical
Location and position of the engine:
303. Cycle 4 stroke
Cycle
304. Suralimentation oui type Turbocharger
Supercharging yes type
(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
306. Mode de refroidissement Liquid
Cooling system
307. Cylindrée: a) Unitaire 498.5 (847.5) cm³ b) Totale 1993.9 x 1.7 = 3389.6 cm³
Cylinder capacity: a) Unitary b) Total
c) Totale maximum autorisée*: 2020 (3434.7) cm³ *(Cette indication n'est pas à considérer en Gr. N)
c) Maximum total allowed*: *(This indication is not to be considered in Gr. N)



Marque FORD Modèle SIERRA COSWORTH N° Homol. A-5370
Make _____ Model _____

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

313. Chemises: a) ~~oui~~/non c) Type: _____
Sleeves: yes/no (See page 10) Type: _____

314. Alésage
Bore 90.82 mm

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

316. Course
Stroke 76.95 mm

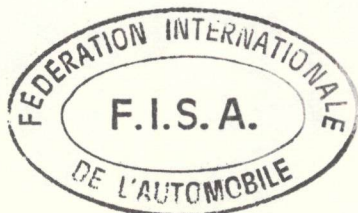
318. Bielle: a) Matériau Forged steel b) Type de la tête de bielle
Connecting rod: Material Forged steel Big end type Split big end
c) Diamètre intérieur de la tête de bielle (sans coussinets): 55 mm $\pm 0.1\%$
Interior diameter of the big end (without bearings): _____
d) Longueur entre axes: 128.5 mm (± 0.2 mm) e) Poids minimum: 669 g
Length between the axes: _____ Minimum weight: _____

319. Vilebrequin: a) Type de construction One piece
Crankshaft: Type of manufacture _____
b) Matériau Forged steel
Material _____
c) ☐ coulé ☒ estampé d) Nombre de paliers 5
☐ moulded ☒ stamped Number of bearings _____
e) Type de paliers Plain
Type of bearings _____
f) Diamètre des paliers 56.98 mm $\pm 0.2\%$ (See note on page 10)
Diameter of bearings _____
g) Matériau des chapeaux des paliers Cast iron alloy
Bearing caps material _____
h) Poids minimum du vilebrequin nu 14.100 g
Minimum weight of the bare crankshaft _____

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

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

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 _____



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Make _____ 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: Ford/Weber/Bosch
Manufacturer: _____

b) Modèle du système d'injection:

Model of injection system: E.F.I.

c) Mode de dosage du carburant:

Kind of fuel measurement: ☐ mécanique ☒ électronique ☐ hydraulique
☐ mechanical ☒ electronical ☐ hydraulical

c1) Plongeur xxx/non

Piston pump xxx/no

c3) Mesure de la masse d'air xxx

Measurement of air mass yes/xxx

c5) Mesure de la pression d'air xxx

Measurement of air pressure yes/xxx

c2) Mesure du volume d'air xxx/non

Measurement of air volume yes/no

c4) Mesure de la vitesse de l'air xxx/non

Measurement of air speed yes/no

Quelle est la pression de réglage?

Which pressure is taken for measurement? _____ bars

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

Effective dimensions of measure position in the throttle area 56.0 + 0.25 mm

e) Nombre des sorties effectives de carburant

Number of effective fuel outlets 4

f) Position des soupapes d'injection:

Position of injection valves: ☒ Canal d'admission ☐ Culasse
☒ Inlet manifold ☐ Cylinderhead

g) Parties du système d'injection servant au dosage du carburant

Statement of fuel measuring parts of injection system Injection valve; Temp sensor (Air);
Temp sensor (Water); Pressure sensor; Throttle potentiometer; Fuel
pressure regulator; Position sensor; Electronic control unit

325. Arbre à cames:

a) Nombre 2
Camshaft: Number _____

b) Emplacement DOHC
Location _____

c) Système d'entraînement Notched Belt
Driving system _____

d) Nombre de paliers par arbre 5
Number of bearings for each shaft _____

f) Système de commande des soupapes

Type of valve operation Direct via bucket tappets

326. Distribution:

e) Levée maximum des soupapes

Timing: Maximum valve lift

Admission

Inlet

8.7

mm

Echappement

Exhaust

8.7

mm

avec jeu de

with clearance

0

mm

0

mm

327. Admission:

a) Matériau du collecteur

Inlet: Material of the manifold Aluminium alloy

b) Nombre d'éléments du collecteur

Number of manifold elements 3

c) Nombre de soupapes par cylindre

Number of valves per cylinder 2

d) Diamètre maximum des soupapes

Maximum diameter of the valves 35.25 mm

e) Diamètre de la tige de soupape

Diameter of the valve stem 7.0 + 0.2 mm

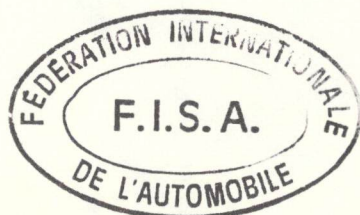
f) Longueur de la soupape

Length of the valve 105.7 ± 1.5 mm

g) Type des ressorts de soupape

Type of valve springs (See page 10)

Helical



Marque FORD Modèle SIERRA COSWORTH N° Homol. A-5370
Make _____ Model _____

328. Echappement: a) Matériau du collecteur Cast Iron/Nickle 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 31.25 mm f) Diamètre de la tige de soupape 8 ± 0.2 mm
Maximum diameter of the valves _____ Diameter of the valve stem _____
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 Helical

330. Système d'allumage: a) Type Battery
Ignition system: Type _____
b) Nombre de bougies par cylindre 1 c) Nombre de distributeurs 1 + 1 Crank sensor
Number of plugs per cylinder _____ Number of distributors _____
d) Number of coils 1
333. Système de lubrification: a) Type _____ b) Nombre de pompes à huile _____
Lubrification system: Type Wet sump Number of oil pumps 1

4. CIRCUIT DE CARBURANT / FUEL CIRCUIT

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

5. EQUIPEMENT ELECTRIQUE / ELECTRICAL EQUIPEMENT

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

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 1
Number of plates _____



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 Make _____ Model _____

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

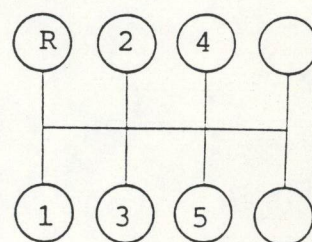
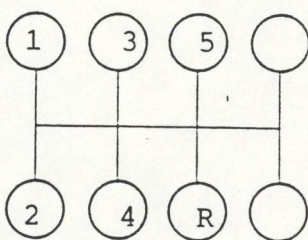
b) Marque «manuelle» Borg Warner c) Marque «automatique» -
 «Manual» make _____ «Automatic» make _____

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

e) Rapports
 Ratios

	Manuelle / Manual			Automatique / Automatic			B.V. suppl. / Additional G.B.		
	rapports ratio	nombre de dents/ number of teeth	synchro.	rapports ratio	nombre de dents/ number of teeth	synchro.	rapports 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				1.358	34/26	X
4	1.000	DIRECT	X				1.150	31/28	X
5	0.804	33/53	X				1.000	DIRECT	X
AR/R	2.755	32/15					2.661	41/16	
Constante Constant.	1.292	31/24					1.038	27/26	

f) Grille de vitesse
 Gear change gate



604. Surmultiplication: a) Type -
 Overdrive: Type _____

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

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



Marque FORD Modèle SIERRA COSWORTH N° Homol. A-5370
Make _____ Model _____

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>3.643</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 shaft

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 ~~XXX~~ AR: oui ~~XXX~~
Helicoidal springs: Front: yes ~~XXX~~ Rear: yes ~~XXX~~

703. Ressorts à lames: AV: ~~XX~~/non AR: ~~XX~~/non
Leaf springs: Front: ~~XX~~/no Rear: ~~XX~~/no

704. Barre de torsion: AV: ~~XX~~/non AR: ~~XX~~/non
Torsion bar: Front: ~~XX~~/no Rear: ~~XX~~/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 Modèle SIERRA COSWORTH N° Homol. A-5370
 Make _____ Model _____

707. Amortisseurs:

Shock Absorbers:

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

Avant / Front	Arrière / Rear
<u>1</u>	<u>1</u>
<u>Telescopic</u>	<u>Telescopic</u>
<u>Hydraulic</u>	<u>Hydraulic</u>

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 Double circuit, Hydraulic
 Brakes: Braking system
 b) Nombre de maître-cylindres Tandem b1) Alésage 23.8/23.8 mm
 Number of master cylinders
 c) Servo-frein oui/xx c1) Marque et type Ford/Teves/Bendix/Girling
 Power assisted brakes yes/xx Make and type
 d) Régulateur de freinage oui/xx d1) Emplacement Near rear axle
 Braking adjuster yes/xx Location

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
<u>4</u>	<u>1</u>
<u>40</u> mm	<u>42.8</u> mm
<u>-</u> mm (± 1.5 mm)	<u>-</u> mm (± 1.5 mm)
<u>-</u>	<u>-</u>
<u>-</u> cm ²	<u>-</u> cm ²
<u>-</u> mm	<u>-</u> mm
<u>2</u>	<u>2</u>
<u>1</u>	<u>1</u>



Marque FORD Modèle SIERRA COSWORTH N° Homol. A-5370

- g3) Matériau des étriers
Caliper material
- g4) Epaisseur maximale du disque
Maximum disc thickness
- g5) Diamètre extérieur du disque
Exterior diameter of the disc
- g6) Diamètre extérieur de frottement des sabots
Exterior diameter of the shoe's rubbing surface
- g7) Diamètre intérieur de frottement des sabots
Interior diameter of the shoe's rubbing surface
- g8) Longueur hors-tout des sabots
Overall length of the shoes
- g9) Disques ventilés
Ventilated disc
- g10) Surface de freinage par roue
Braking surface per wheel

AV / Front	AR / Rear
<u>Cast iron alloy</u>	<u>Cast iron alloy</u>
<u>24.5</u> mm	<u>11.0</u> mm
<u>283.0 ± 1.5</u> mm	<u>272 ± 1.5</u> mm
<u>282 ± 1.5</u> mm	<u>272 ± 1.5</u> mm
<u>167 ± 1.5</u> mm	<u>197 ± 1.5</u> mm
<u>89.7 ± 1.5</u> mm	<u>88 ± 1.5</u> mm
oui/ XX yes/ XX	XX /non XX /no
<u>832.24</u> cm ²	<u>574.64</u> cm ²

- 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 ~~XX~~ AR
On which wheels ~~XXX~~ Rear

804. Direction: a) Type
Steering: Type Rack and pinion
- b) Rapport 14.3 ± 0.2 for 20°
Ratio Roadwheel toe out
- c) Servo-assistance oui/~~XXX~~
Power assisted yes/~~XXX~~

9. CARROSSERIE / BODYWORK

901. Intérieur: a) Ventilation oui/~~XX~~
Interior: Ventilation yes/~~XX~~
- f) Toit ouvrant optionnel oui/~~XX~~
Sun roof optional yes/~~XX~~
- f2) Système de commande
Command system Hand crank
- g) Système d'ouverture des vitres latérales: AV/Front: Hand crank/Electric optional
Opening system for the side windows: AR/Rear: Hand crank/Electric optional
902. Extérieur: a) Nombre de portes 4
Exterior: Number of doors
- b) Hayon AR ~~XX~~/non
Rear tailgate ~~XX~~/no
- c) Matériau des portières: AV/Front: Steel sheet
Door material: AR/Rear: Steel sheet



- d) Matériau du capot AV Steel sheet
 Front bonnet material _____
- e) Matériau du capot/hayon AR Steel sheet with plastic aero feature
 Rear bonnet / tailgate material _____
- f) Matériau de la carrosserie Steel sheet with plastic panels and mouldings
 Bodywork material _____
- g) Matériau du pare-brise Laminated glass
 Windscreen material _____
- h) Matériau de la lunette AR Safety glass
 Rear window material _____
- i) Matériau des glaces de custode Safety glass
 Rear quarter lights material _____
- k) Matériau des vitres latérales AV / Front Safety glass
 Side window material AR / Rear Safety glass
- l) Matériau du pare-choc avant Polycarbonate sheet with moulding compound support
 Material of the front bumper (polyurethane foam) with aluminium insert.
- m) Matériau du pare-choc arrière Polycarbonate sheet with moulding compound support
 Material of the rear bumper (polyurethane foam).

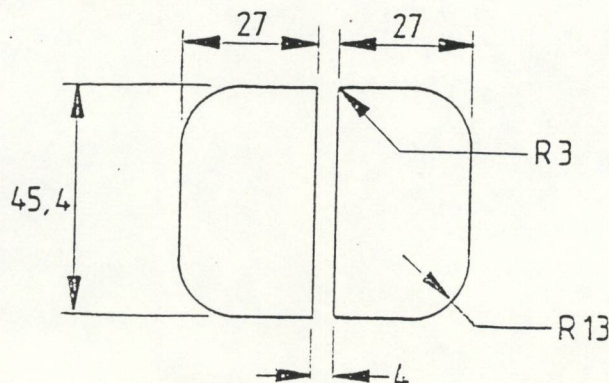
INFORMATIONS COMPLEMENTAIRES

COMPLEMENTARY INFORMATION

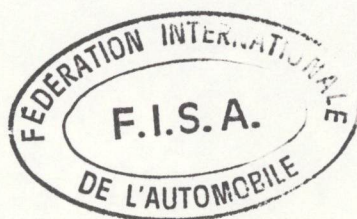
In the UK the car is known as Sierra Sapphire RS Cosworth.

- 321e; 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
- 319f 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

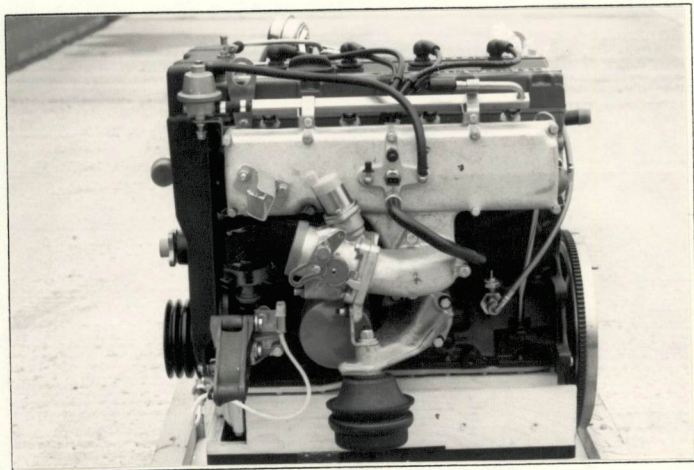


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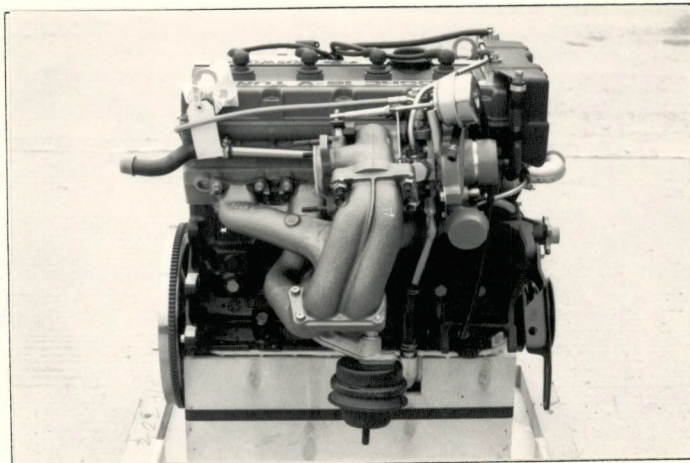
PHOTOS / PHOTOS

Moteur / Engine

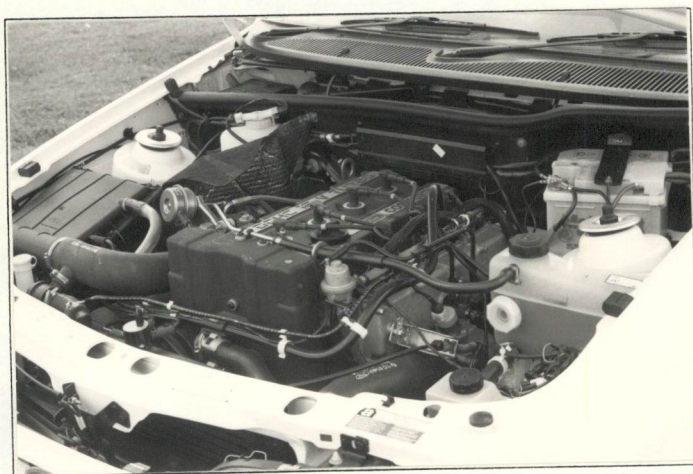
C) Profil droit du moteur déposé
Right hand view of dismantled engine



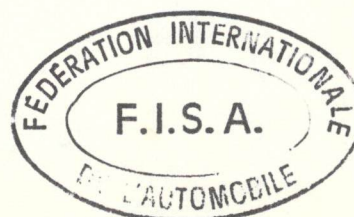
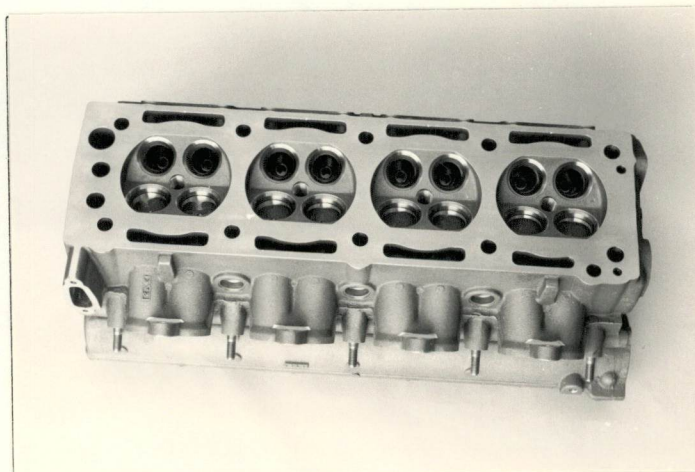
D) Profil gauche du moteur déposé
Left hand view of dismantled engine



E) Moteur dans son compartiment
Engine in its compartment

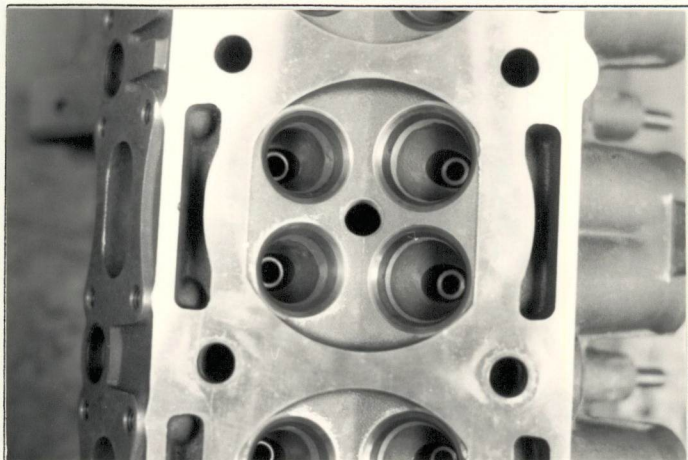


F) Culasse nue
Bare cylinderhead

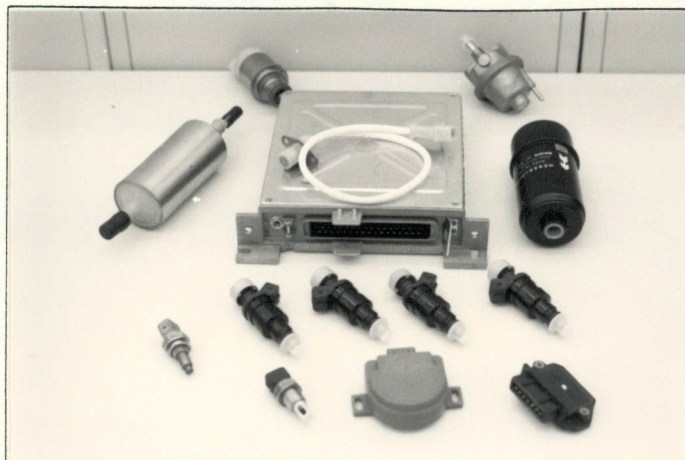


Marque FORD Modèle SIERRA COSWORTH N° Homol. A - 5370
 Make FORD Model SIERRA COSWORTH

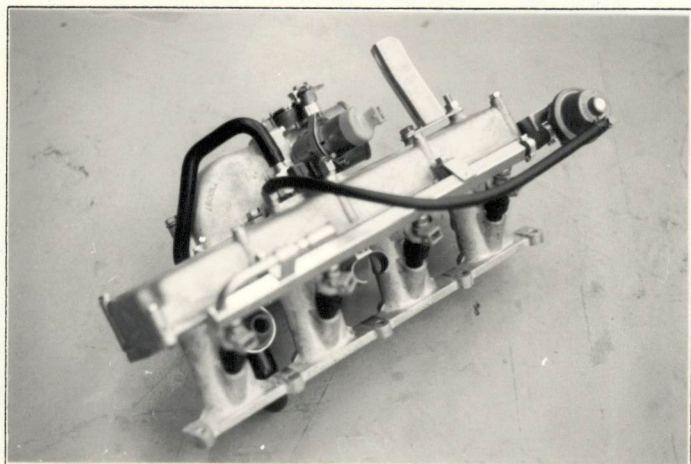
G) Chambre de combustion
 Combustion chamber



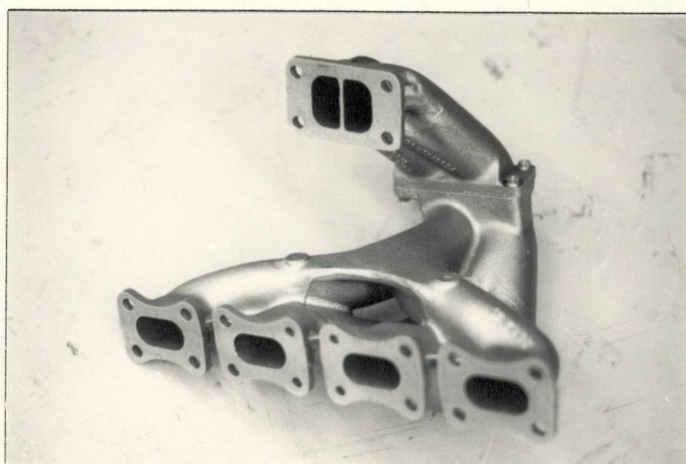
H) Carburateur(s) ou système d'injection
 Carburetor(s) or injection system



I) Collecteur d'admission
 Inlet manifold

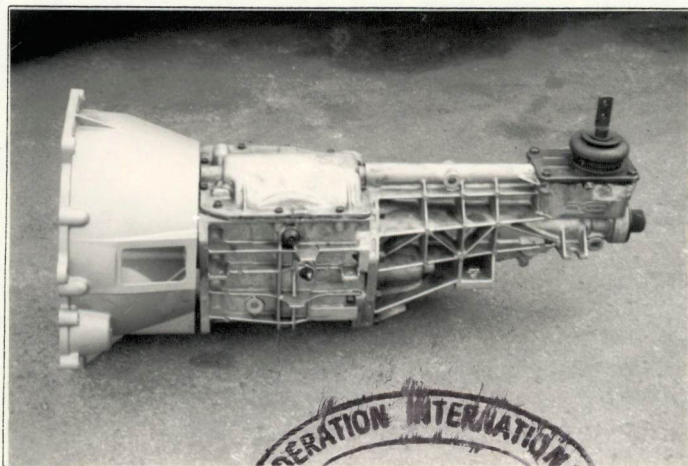


J) Collecteur d'échappement
 Exhaust manifold

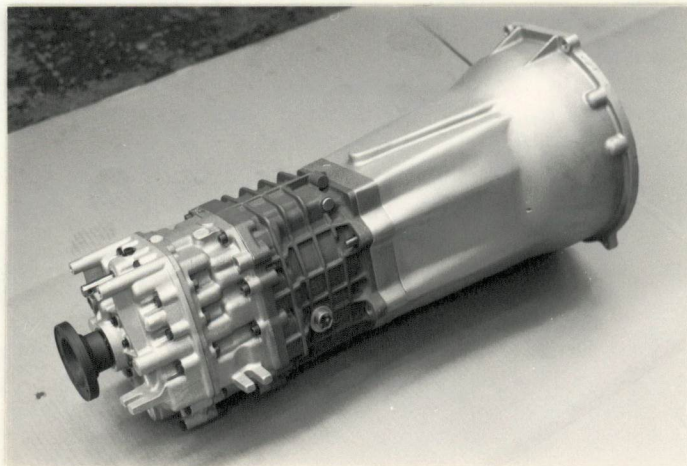


Transmission / Transmission

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



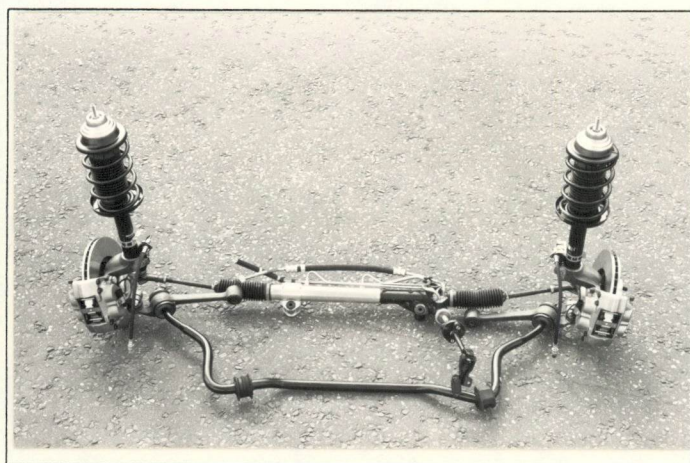
S1) Alternative Gearbox & Bellhousing
 (Getrag)



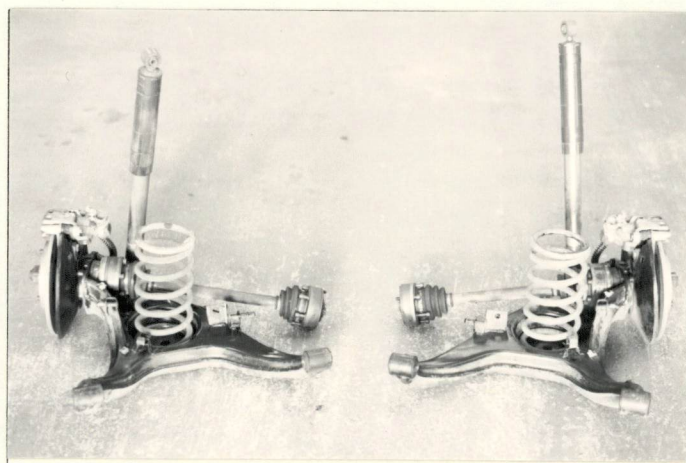
Marque FORD Modèle SIERRA COSWORTH N° Homol. A-5370
 Make _____ Model _____

Suspension / Suspension

T) Train avant complet déposé
 Complete dismounted front running gear

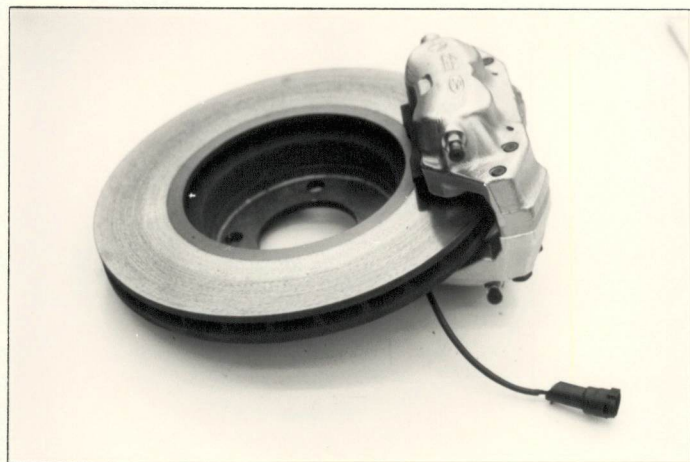


U) Train arrière complet déposé
 Complete dismounted rear running gear

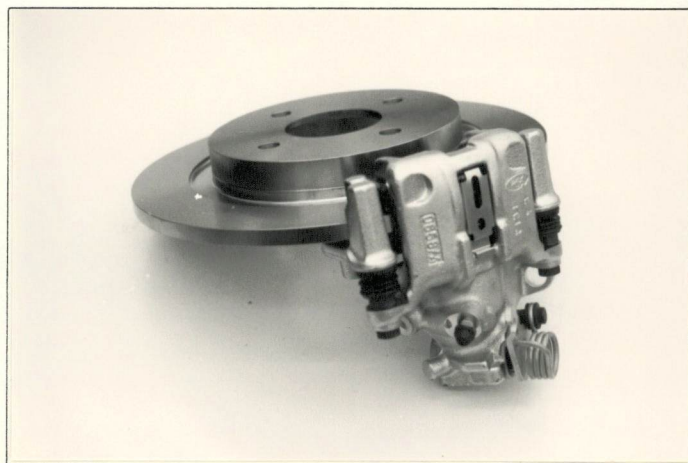


Train roulant / Running gear

V) Freins avant
 Front brakes



W) Freins arrière
 Rear brakes

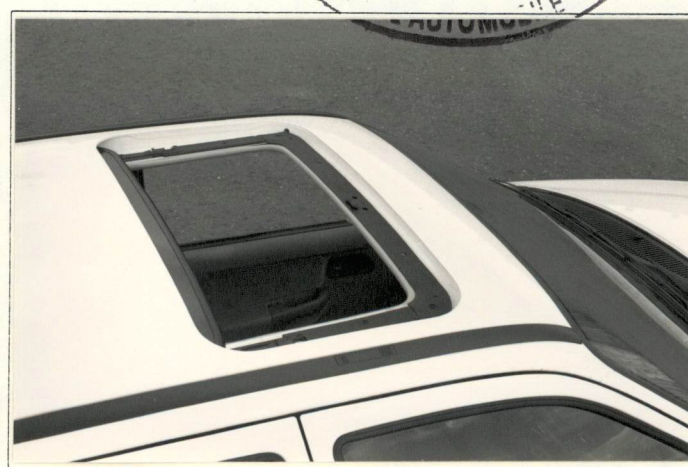


Carrosserie / Bodywork

X) Tableau de bord
 Dashboard



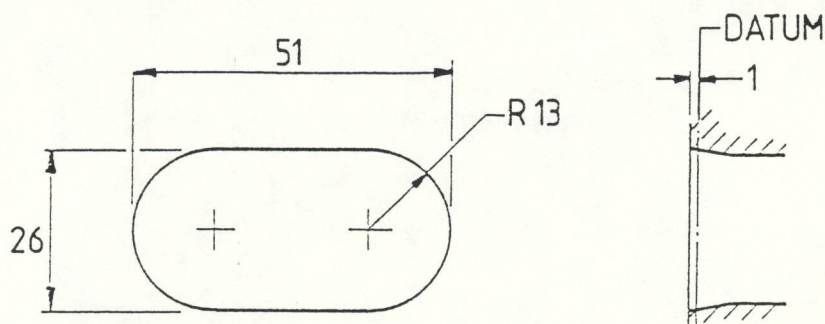
Y) Toit ouvrant
 Sunroof



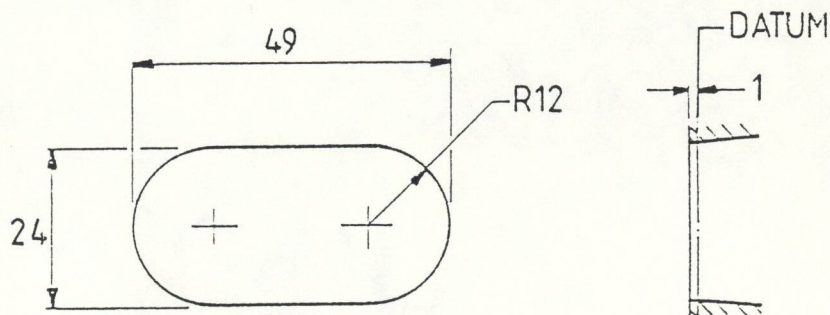
DESSINS / DRAWINGS

Moteur / Engine

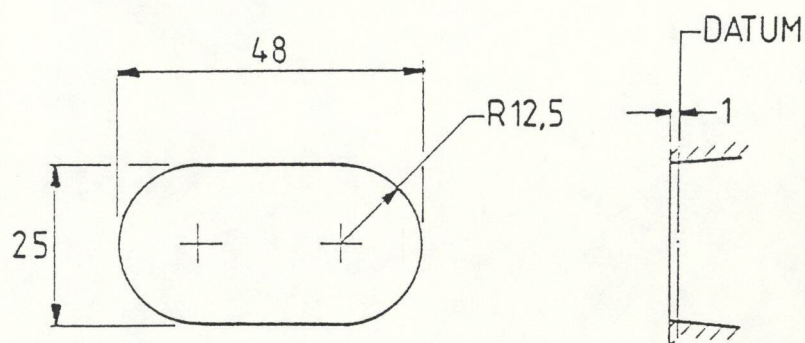
- I Orifices d'admission de la culasse, face collecteur (tolérances sur dimensions: -2%, +4%)
Cylinderhead inlet ports, manifold side (tolerances on dimensions: -2%, +4%)



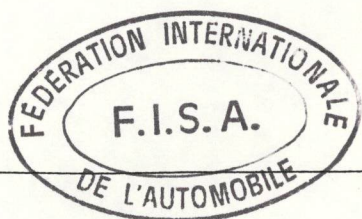
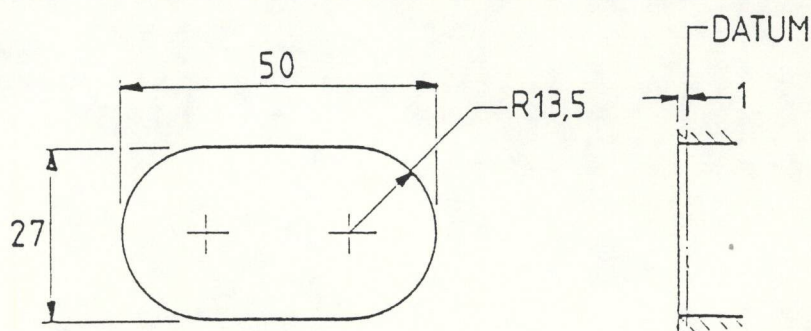
- II Orifices du collecteur d'admission, côté culasse (tolérances sur dimensions: -2%, +4%)
Inlet manifold ports, cylinderhead side (tolerances on dimensions: -2%, +4%)



- 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%)

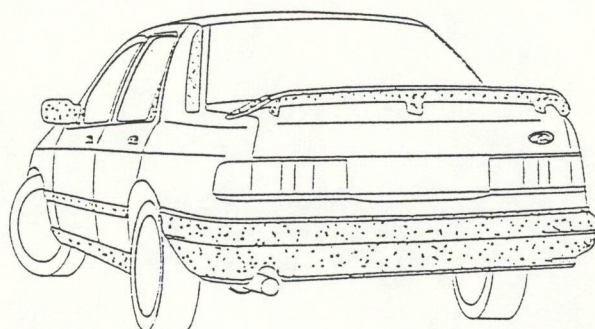


Marque FORD Modèle SIERRA COSWORTH N° Homol. A - 5370
Make _____ Model _____

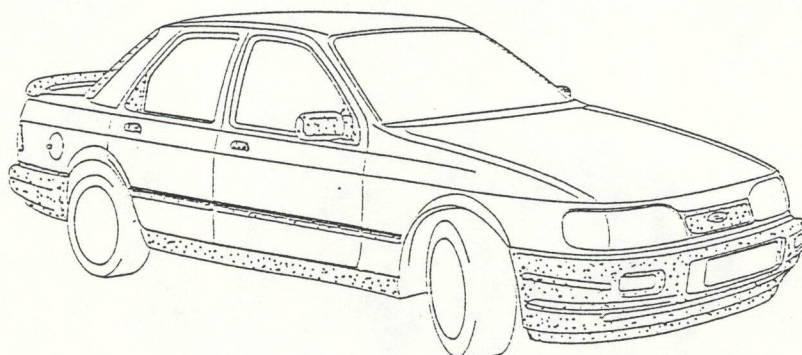
Suspension / Suspension

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.

BODY



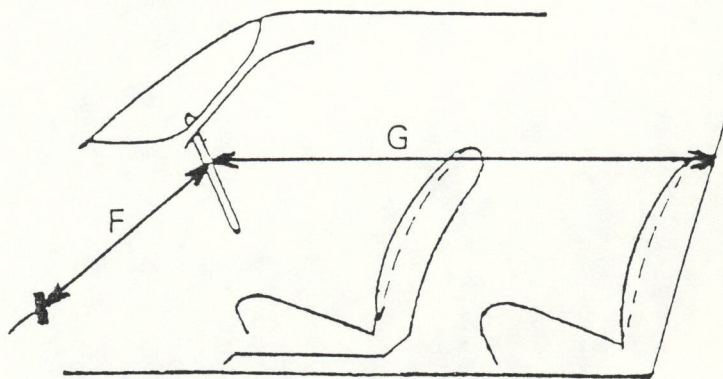
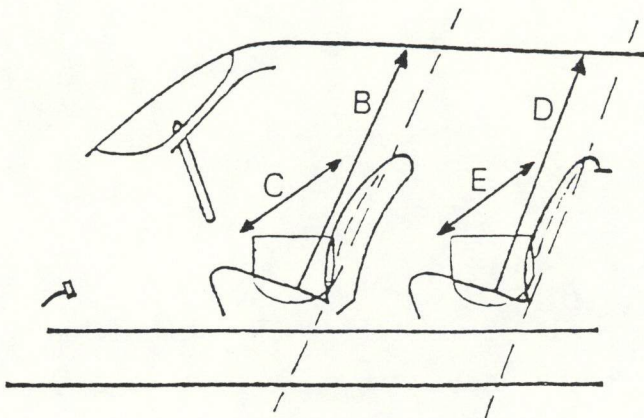
 = NON METAL BODY PARTS





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5370Groupe **A/B**
GroupMarque FORD Modèle SIERRA 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) 984 (with sun roof) mm
(Height above front seats)

C (Largeur aux sièges avant) 1326 mm
(Width at front seats)

D (Hauteur sur sièges arrière) 950 (with sun roof) mm
(Height above rear seats)

E (Largeur aux sièges arrière) 1415 mm
(Width at rear seats)

F (Volant — Pédale de frein) 640 mm
(Steering wheel — brake pedal)

G (Volant — paroi de séparation arrière) 1627 mm
(Steering wheel — rear bulkhead)

H = F+G = 2267 mm





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5370Groupe
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 COSWORTH
Vehicle : Manufacturer FORD Model and type SIERRA COSWORTHHomologation valable à partir du 01 OCT. 1988 en groupe A
Homologation valid as from 01 OCT. 1988 in group A

334. Suralimentation
Turbocharging

a) Marque et type du turbo compresseur Garrett T03B
Make and type of the turbocharger Garrett T03B

b) Carter de turbine :
Turbine housing :

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

b2) Matériau High Temp Iron Alloy
Material High Temp Iron Alloy

c) Roue de turbine :
Turbine wheel :

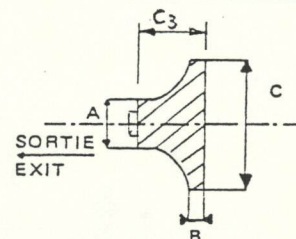
c1) Matériau Inconel
Material Inconel

c2) Nombre d'aubes 11
Number of blades 11

c3) Hauteur(s) d'une aube 26.6 + 0.3 - 0.2 mm
Height(s) of blade 26.6 + 0.3 - 0.2 mm

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 mmB = 11.5 + 0.3 - 0.15 mm measured @ 57.5mmC = 58.9 + 0.25 mm gauge dia .

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

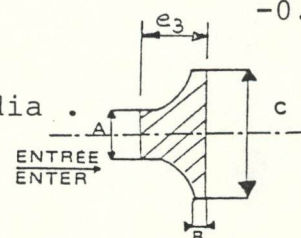
e) Roue de compression
Impeller wheel :

e2) Nombre d'aubes 12
Number of blades 12

e3) Hauteur(s) d'une aube 14.1 & 19.4 + 0.15 - 0.10 mm
Height(s) of blade 14.1 & 19.4 + 0.15 - 0.10 mm

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

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

A = 44.7 +/- 0.1 mmB = 10.87 + 0.15 - 0.10 mm measured @ 55mm gauge dia .C = 60.4 + 0.15 - 0.30 mm

Marque FORD Modèle SIERRA COSWORTH N° Homol. A-5370
 Make _____ Model _____

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

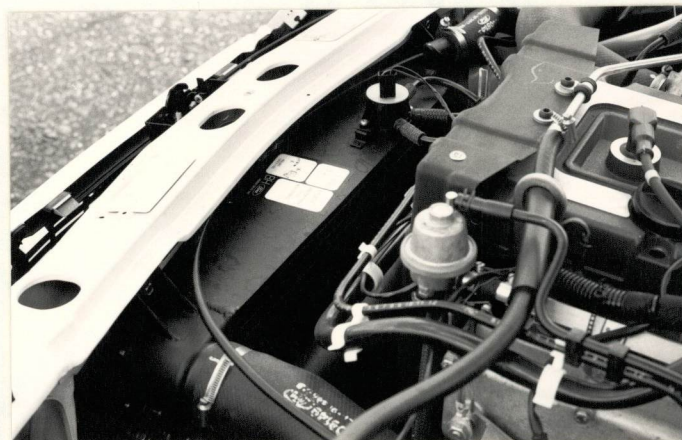
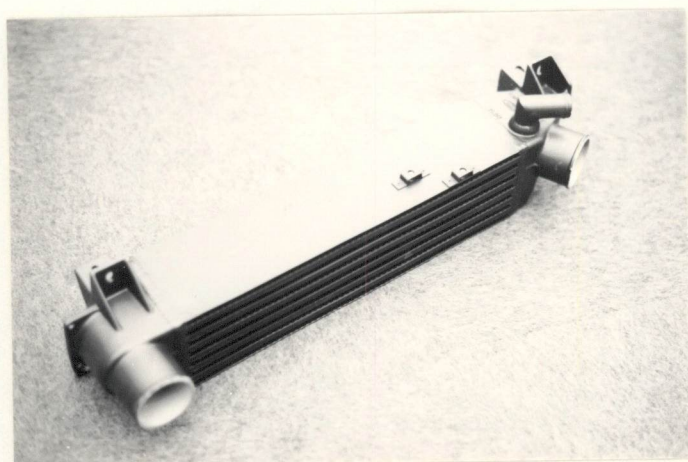
f2) Préciser le type de la soupape et son contrôle Swing valve controlled by spring and diaphragm unit from engine management unit.
 Indicate the type of the valve and its control _____

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)

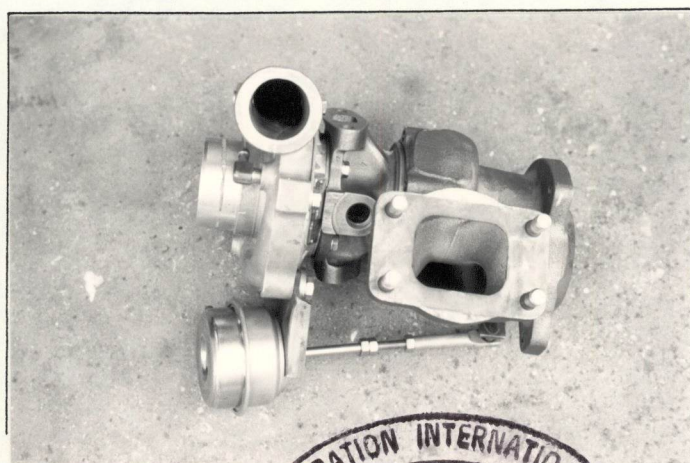
Cooling of intake Air:- Yes
 Air diameter, inlet: 55+/- 2mm
 Air diameter, outlet:- 55+/- 2mm

System:- Air/Air

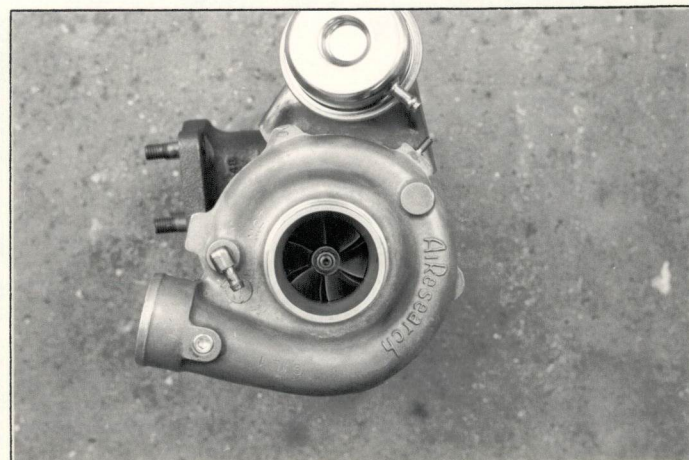


PHOTOS

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



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



Marque
Make

FORD

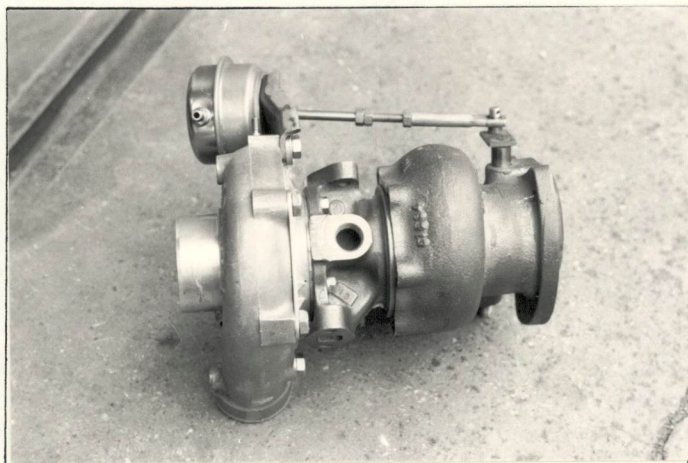
Modèle
Model

SIERRA COSWORTH

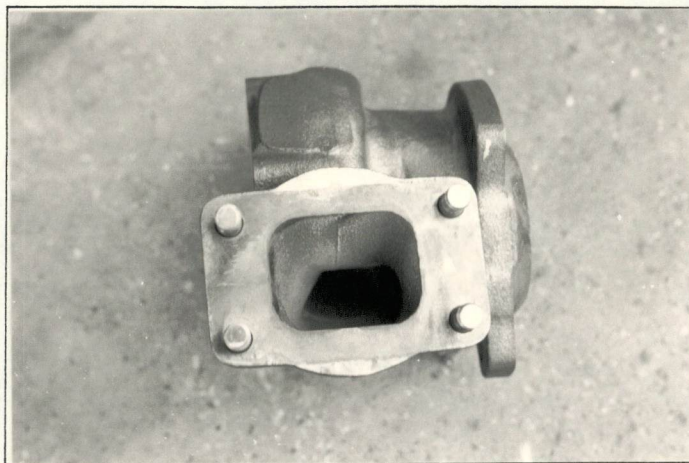
N° Homol.

A-5370

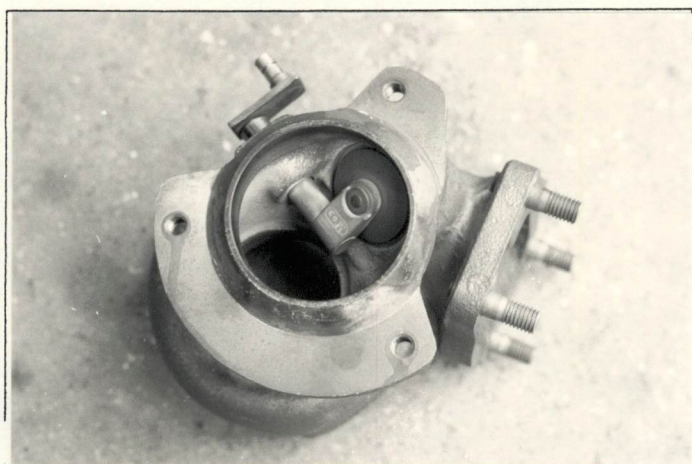
M) Vue de côté du turbocompresseur
Side view of turbocharger



N) Carter de turbine du turbocompresseur
Turbine housing of turbocharger



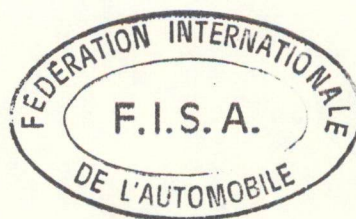
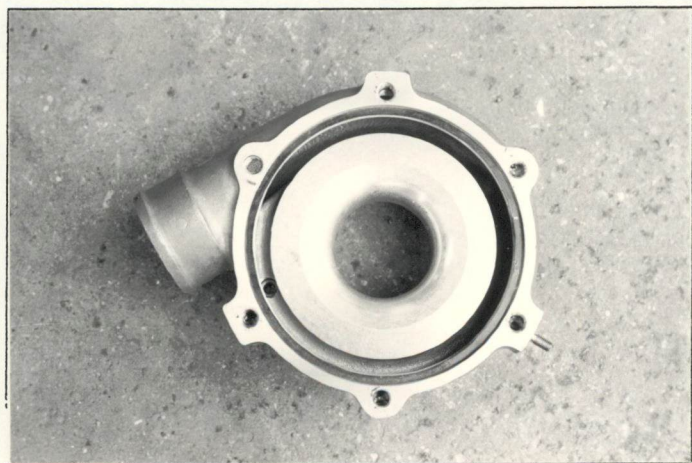
O) Soupape et montage du by-pass du turbocompresseur
Valve and by-pass installation of turbocharger



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

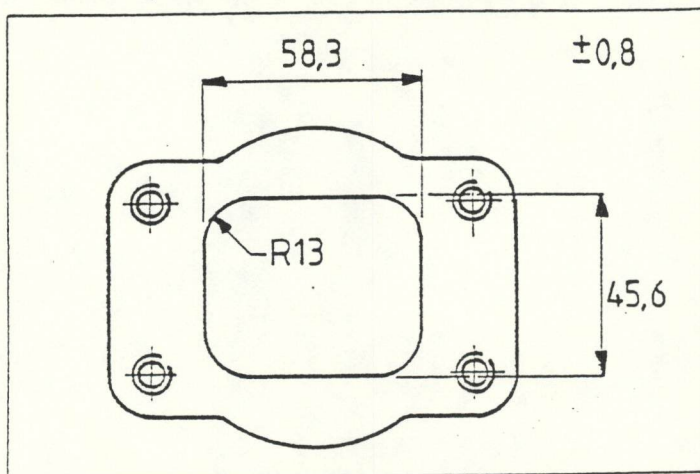
Turbocharger bolted directly
to exhaust manifold

Q) Carter de compression du turbocompresseur
Impeller housing of turbocharger

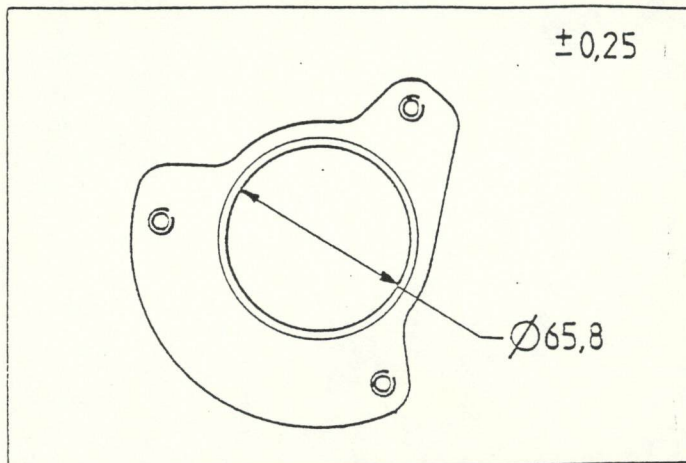


DESSINS / DRAWINGS

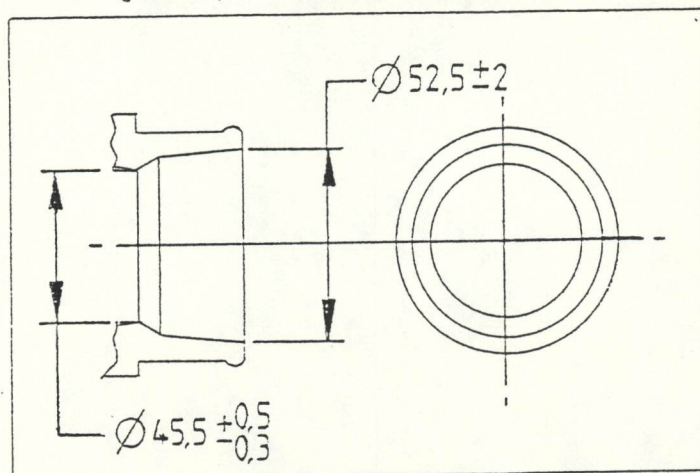
V) Entrée des gaz d'échappement dans le carter de turbine du turbocompresseur.
 Exhaust gas entry in the turbine housing of turbocharger.



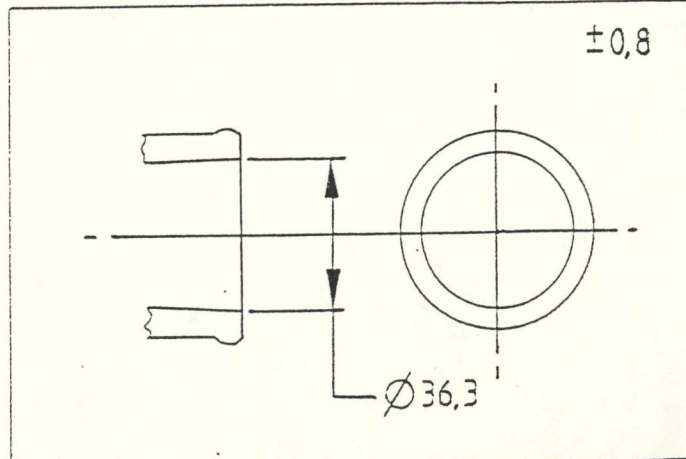
VI) Sortie des gaz d'échappement du carter de turbine de turbocompresseur.
 Exhaust gas exit of the turbine housing of turbocharger.



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

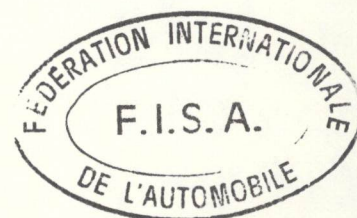
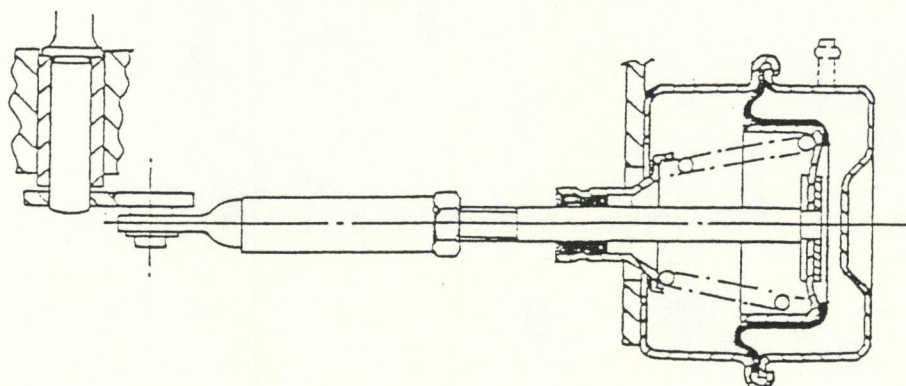


VIII) Sortie de l'air (mélange) du carter de compression du turbocompresseur.
 Air (gas) exit of the impeller housing of the turbocharger.



ALL DIMENSIONS IN MILLIMETRES

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





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5370

Extension N°

01 / 01 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 JAN. 1989 in group A

Constructeur FORD Modèle et type SIERRA COSWORTH (4 DOOR)
Manufacturer _____ Model and type _____

Page ou ext. Page or ext.	Art. Art.	Description Description
6	603	Alternative output flange for additional gear box Photo 89 - 01
7	605	Alternative (increased capacity) heavy duty rear axle assembly - mounts to chassis in same position as standard unit Photo 89 - 02
7	605	Strengthened rear axle case, interchangeable with standard unit Photo 89 - 03
7	605	Reinforced rear cover for rear axle case Photo 89 - 04
7	605	Alternative final drive ratios (heavy duty rear axle assembly) Ratio 5.11 : 4.89 : 4.67 : 4.44 : 4.27 Teeth 46/9 : 44/9 : 42/9 : 40/9 : 47/11 Ratio 4.09 : 3.82 : 3.64 : 3.42 : 3.25 Teeth 45/11 : 42/11 : 40/11 : 41/12 : 39/12 Ratio 3.08 Teeth 37/12



Marque
Make FORD

Modele
Model SIERRA COSWORTH

N° Homol. A5370

N° Ext. 01 / 01 VO

Page or ext. Page or ext.	Art. Art.	Description Description
7	605	Alternative final drive ratios (Strengthened axle assembly) Ratio 4.57 : 4.43 : 4.12 : 3.86 : 3.625 Teeth 32/7 : 31/7 : 33/8 : 27/7 : 29/8 Ratio 3.375 : 3.14 Teeth 27/8 : 22/7
7	606	Transmission shaft, 2 piece type R1 Photo 89 - 05
7	606	Transmission shaft, 2 piece with alternative joints type C2 Photo 89 - 06
7	606	Transmission shaft, 1 piece with sliding joint Photo 89 - 07
7	606	Adaptor, final drive to transmission shaft Photo 89 - 08
7	606	Rear drive shaft assembly type R1 Photo 89 - 09 type R2 Photo 89 - 10 type C1 Photo 89 - 11
7	701	Front upright casting (knuckle), front suspension, interchangeable as an assembly with standard components type R1 Photo 89 - 12 type C1 Photo 89 - 13
7	701	Front upright casting (knuckle), front suspension, interchangeable as an assembly with standard components (alternative material) Photo 89 - 14
7	701	Track control arm, fabricated to be used with heavy duty knuckle. Photo 89 - 15
7	701	Track control arm, forged, to be used with heavy duty knuckle Photo 89 - 16
7	701	Compression strut for front suspension, replaces combined rollbar and link from standard car Photo 89 - 17



Marque FORD Modele SIERRA COSWORTH N° Homol. A5370
 Make _____ Model _____

N° Ext. **01 / 01 VO**

Page or ext. Page or ext.	Art. Art.	Description Description
7	701	Track control arm and compression strut assembly type C1 Photo 89 - 18
7	701	Hub assembly multi bolt fixing type R1 Photo 89 - 19 type R2 Photo 89 - 20
7	701	Hub assembly for single bolt wheel fixing. Similar construction front and rear axle type C1 Photo 89 - 21 type R1 Photo 89 - 22
7	701	Anti roll bar, bar size variable, replaces existing bar and position changed Photo 89 - 23
7	701	Alternative drop link from strut body for anti roll bar Photo 89 - 24
7	701	Anti roll bar, replaces standard unit Roll stiffness adjustable type R1 Photo 89 - 25
7	701	Anti roll bar support bracket. Bolted and/or welded to the body Photo 89 - 26
7	701	Bracket for anti roll bar and compression strut, may be bolted and/or welded to the chassis. Pivot point within 20mm of standard for compression strut Photo 89 - 27
7	701	Compression strut bracket, welded and/or bolted to chassis. Pivot point within 20mm of standard position Photo 89 - 28
7	701	Strut top mount type R1 Photo 89 - 29 type R2 Photo 89 - 30 type C1 Photo 89 - 31



Marque FORD Modele SIERRA COSWORTH N° Homol. A5370
 Make _____ Model _____

N° Ext. 01 / 01 VO

Page or ext. Page or ext.	Art. Art.	Description Description	
7	701	Strut body, increased capacity	
		type R1	Photo 89 - 32
		type R2	Photo 89 - 33
		type R3	Photo 89 - 34
7	701	Steering arm, produces same ratio as standard	
		type R1	Photo 89 - 35
		type C1	Photo 89 - 36
7	701	Revised chassis suspension pick up point, remains within 20 mm of original position	
		type A	Photo 89 - 37
		type B	Photo 89 - 38
7	701	Revised rear suspension assembly, complete with cast main arm and fabricated drag link. Incorporates large capacity bearings and drive shaft assembly	
		type RT1	Photo 89 - 39
		type RG2	Photo 89 - 40
7	701	Alternative drag link	Photo 89 - 41
7	701	Alternative cast rear suspension arm, complete with large capacity bearings and drive shaft assembly	
		type C1	Photo 89 - 42
7	701	Reinforced steel trailing arm assembly with provision for high load, bearing assembly	
		type R1	Photo 89 - 43
		type R2	Photo 89 - 44
7	701	High capacity bearing pack for rear axle	Photo 89 - 45
7	707	Rear anti roll bar, non adjustable. Stiffness adjusted by altering dimensions of bar	
		type C1	Photo 89 - 46
7	707	Rear anti roll bar, with provision for altering bar stiffness	
		type R2	Photo 89 - 47
		type R3	Photo 89 - 48



Marque FORD Modele SIERRA COSWORTH N° Homol. A5370
 Make FORD Model SIERRA COSWORTH N° Ext. 01 / 01 VO

Page or ext. Page or ext.	Art. Art.	Description Description
8	803	Alternative brake caliper (front and/or rear) Calipers identical except for internal machining and mounting boss position Supplier: Lucas Automotive Photo 89 - 58 803e N° of cylinders 4 803e1 Cylinder bore mm 42.8 803g1 N° of pads 2 803g2 N° of calipers 1 803g3 Caliper material alloy 803g8 Pad length $\pm$ 1.5mm 128 (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 internal machining and mounting boss position Supplier: Lucas Automotive Photo 89 - 59 803e N° of cylinders 4 4 803e1 Cylinder bore mm 33.9 38 803g1 N° of pads 2 2 803g2 N° of calipers 1 1 803g3 Caliper material alloy alloy 803g8 Pad length $\pm$ 1.5mm 96 96 (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 (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 89 - 60 803g4 Disc thickness $\pm$ 1.5mm 35.5 35.5 803g5 Disc O.D. $\pm$ 1.5mm 355 330 803g6 Pad O.D. $\pm$ 1.5mm 355 330 803g7 Disc I.D. $\pm$ 1.5mm 245 220 803g9 Ventilated ? ? Yes Yes The friction material on the pad may not use all the disc area available



Marque FORD Modele SIERRA COSWORTH N° Homol. A5370
 Make FORD Model SIERRA COSWORTH N° Homol. A5370

N° Ext. 01 / 01 VO

Page or ext. Page or ext.	Art. Art.	Description Description																														
8	803	Brake disc (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 89 - 61 <table><tr><td>803g4</td><td>Disc thickness $\pm 1.5\text{mm}$</td><td>31.8</td><td>31.8</td><td>32</td></tr><tr><td>803g5</td><td>Disc O.D. $\pm 1.5\text{mm}$</td><td>355</td><td>330</td><td>315</td></tr><tr><td>803g6</td><td>Pad O.D. $\pm 1.5\text{mm}$</td><td>355</td><td>330</td><td>315</td></tr><tr><td>803g7</td><td>Disc I.D. $\pm 1.5\text{mm}$</td><td>245</td><td>220</td><td>210</td></tr><tr><td>803g9</td><td>Ventilated ? ?</td><td>Yes</td><td>Yes</td><td>Yes</td></tr></table> The friction material on the pad may not use all the disc area available	803g4	Disc thickness $\pm 1.5\text{mm}$	31.8	31.8	32	803g5	Disc O.D. $\pm 1.5\text{mm}$	355	330	315	803g6	Pad O.D. $\pm 1.5\text{mm}$	355	330	315	803g7	Disc I.D. $\pm 1.5\text{mm}$	245	220	210	803g9	Ventilated ? ?	Yes	Yes	Yes					
803g4	Disc thickness $\pm 1.5\text{mm}$	31.8	31.8	32																												
803g5	Disc O.D. $\pm 1.5\text{mm}$	355	330	315																												
803g6	Pad O.D. $\pm 1.5\text{mm}$	355	330	315																												
803g7	Disc I.D. $\pm 1.5\text{mm}$	245	220	210																												
803g9	Ventilated ? ?	Yes	Yes	Yes																												
8	803	Brake disc (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 89 - 62 <table><tr><td>803g4</td><td>Disc thickness $\pm 1.5\text{mm}$</td><td>28</td><td>28</td><td>28</td><td>25.4</td></tr><tr><td>803g5</td><td>Disc O.D. $\pm 1.5\text{mm}$</td><td>315</td><td>300</td><td>304</td><td>304</td></tr><tr><td>803g6</td><td>Pad O.D. $\pm 1.5\text{mm}$</td><td>315</td><td>300</td><td>304</td><td>304</td></tr><tr><td>803g7</td><td>Disc I.D. $\pm 1.5\text{mm}$</td><td>210</td><td>194</td><td>198</td><td>198</td></tr><tr><td>803g9</td><td>Ventilated ? ?</td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td></tr></table> The friction material on the pad may not use all the disc area available	803g4	Disc thickness $\pm 1.5\text{mm}$	28	28	28	25.4	803g5	Disc O.D. $\pm 1.5\text{mm}$	315	300	304	304	803g6	Pad O.D. $\pm 1.5\text{mm}$	315	300	304	304	803g7	Disc I.D. $\pm 1.5\text{mm}$	210	194	198	198	803g9	Ventilated ? ?	Yes	Yes	Yes	Yes
803g4	Disc thickness $\pm 1.5\text{mm}$	28	28	28	25.4																											
803g5	Disc O.D. $\pm 1.5\text{mm}$	315	300	304	304																											
803g6	Pad O.D. $\pm 1.5\text{mm}$	315	300	304	304																											
803g7	Disc I.D. $\pm 1.5\text{mm}$	210	194	198	198																											
803g9	Ventilated ? ?	Yes	Yes	Yes	Yes																											
8	803	Brake disc (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 89 - 63 <table><tr><td>803g4</td><td>Disc thickness $\pm 1.5\text{mm}$</td><td>28</td><td>25.4</td><td>20.7</td></tr><tr><td>803g5</td><td>Disc O.D. $\pm 1.5\text{mm}$</td><td>285</td><td>285</td><td>285</td></tr><tr><td>803g6</td><td>Pad O.D. $\pm 1.5\text{mm}$</td><td>285</td><td>285</td><td>285</td></tr><tr><td>803g7</td><td>Disc I.D. $\pm 1.5\text{mm}$</td><td>182</td><td>182</td><td>182</td></tr><tr><td>803g9</td><td>Ventilated ? ?</td><td>Yes</td><td>Yes</td><td>Yes</td></tr></table> The friction material on the pad may not use all the disc area available	803g4	Disc thickness $\pm 1.5\text{mm}$	28	25.4	20.7	803g5	Disc O.D. $\pm 1.5\text{mm}$	285	285	285	803g6	Pad O.D. $\pm 1.5\text{mm}$	285	285	285	803g7	Disc I.D. $\pm 1.5\text{mm}$	182	182	182	803g9	Ventilated ? ?	Yes	Yes	Yes					
803g4	Disc thickness $\pm 1.5\text{mm}$	28	25.4	20.7																												
803g5	Disc O.D. $\pm 1.5\text{mm}$	285	285	285																												
803g6	Pad O.D. $\pm 1.5\text{mm}$	285	285	285																												
803g7	Disc I.D. $\pm 1.5\text{mm}$	182	182	182																												
803g9	Ventilated ? ?	Yes	Yes	Yes																												
8	803	Brake disc (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 89 - 64 <table><tr><td>803g4</td><td>Disc thickness $\pm 1.5\text{mm}$</td><td>20.7</td><td>20.7</td></tr><tr><td>803g5</td><td>Disc O.D. $\pm 1.5\text{mm}$</td><td>302</td><td>280</td></tr><tr><td>803g6</td><td>Pad O.D. $\pm 1.5\text{mm}$</td><td>302</td><td>280</td></tr><tr><td>803g7</td><td>Disc I.D. $\pm 1.5\text{mm}$</td><td>195</td><td>192</td></tr><tr><td>803g9</td><td>Ventilated ? ?</td><td>Yes</td><td>Yes</td></tr></table> The friction material on the pad may not use all the disc area available	803g4	Disc thickness $\pm 1.5\text{mm}$	20.7	20.7	803g5	Disc O.D. $\pm 1.5\text{mm}$	302	280	803g6	Pad O.D. $\pm 1.5\text{mm}$	302	280	803g7	Disc I.D. $\pm 1.5\text{mm}$	195	192	803g9	Ventilated ? ?	Yes	Yes										
803g4	Disc thickness $\pm 1.5\text{mm}$	20.7	20.7																													
803g5	Disc O.D. $\pm 1.5\text{mm}$	302	280																													
803g6	Pad O.D. $\pm 1.5\text{mm}$	302	280																													
803g7	Disc I.D. $\pm 1.5\text{mm}$	195	192																													
803g9	Ventilated ? ?	Yes	Yes																													

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Marque FORD Modele SIERRA COSWORTH N° Homol. A5370
 Make FORD Model SIERRA COSWORTH N° Homol. A5370

N° Ext. 01 / 01 V0

Page or ext.	Art.	Description
Page or ext.	Art.	Description
8	803	Brake disc (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 89 - 65 803g4 Disc thickness $\pm 1.5\text{mm}$ 35 32 35 32 803g5 Disc O.D. $\pm 1.5\text{mm}$ 355 355 355 355 803g6 Pad O.D. $\pm 1.5\text{mm}$ 354 354 354 354 803g7 Disc I.D. $\pm 1.5\text{mm}$ 219 219 194 194 803g9 Ventilated ? ? Yes Yes Yes Yes The friction material on the pad may not use all the disc area available
8	803	Brake disc (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 89 - 66 803g4 Disc thickness $\pm 1.5\text{mm}$ 35 32 35 32 803g5 Disc O.D. $\pm 1.5\text{mm}$ 330 330 330 330 803g6 Pad O.D. $\pm 1.5\text{mm}$ 329 329 329 329 803g7 Disc I.D. $\pm 1.5\text{mm}$ 219 219 194 194 803g9 Ventilated ? ? Yes Yes Yes Yes The friction material on the pad may not use all the disc area available
8	803	Brake disc (front and/or rear brakes) Discs may be plain, and/or grooved and/or cross drilled Photo 89 - 67 803g4 Disc thickness $\pm 1.5\text{mm}$ 28 803g5 Disc O.D. $\pm 1.5\text{mm}$ 304 803g6 Pad O.D. $\pm 1.5\text{mm}$ 303 803g7 Disc I.D. $\pm 1.5\text{mm}$ 200 803g9 Ventilated ? ? Yes The friction material on the pad may not use all the disc area available (N.B. On all discs, hole pattern may vary slightly depending on O.D. and I.D. used).
8	803	Brake caliper mounting bracket type R1 Photo 89 - 68 type R2 Photo 89 - 69
8	803	Brake caliper bell (disc to hub connector) type R1 Photo 89 - 70 type R2 Photo 89 - 71 type R3 Photo 89 - 72 Type R4 Photo 89 - 73 type R5 Photo 89 - 74 type C1 Photo 89 - 75 type C2 Photo 89 - 76



Marque

Make FORD

Modele

Model SIERRA COSWORTH

N° Homol.

A5370

N° Ext.

01 / 01 VO

Page or ext. Page or ext.	Art. Art.	Description Description
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
8	803	Alternative dual cylinder, brake pedal box with separate front and rear brake circuits, and adjustable brake bias (with possibility of adjustment from the cockpit) cylinder sizes variable from 12.5 to 25.5mm The fluid resevoirs may be integral, or remote depending on the car build (l.h.d or r.h.d. etc) Hydraulic cylinders supplied by Lucas Automotive; Automotive Products; or Alcon type A Photo 89 - 77 type B Photo 89 - 78 type C Photo 89 - 79 type D Photo 89 - 80
8	803	Hydraulic brake pressure proportioning valve Mounted in cockpit Supplier Tilton Photo 89 - 81 Supplier Lucas Automotive Photo 89 - 82
9	803	Alternative handbrake lever assembly Photo 89 - 83
9	803	Hydraulic handbrake, complete with mounting brackets Cylinder size from 12.5 - 25.5mm Dia Photo 89 - 84
9	803	Handbrake caliper mounting plate Photo 89 - 85
9	803	Handbrake caliper, increases number of calipers by one Photo 89 - 86
9	803	Kit Water cooled brakes (capacity 20 litres) Photo 89 - 87
9	803	Support for brake cooling duct type A Photo 89 - 88 type B Photo 89 - 89
9	804	Alternative non power steering rack, L.H.D. and R.H.D., requires deletion of power steering pump, cooler, reservoir, etc Steering ratio = 12.8 ± .25 or 15.4 ± .25 Photo 89 - 90



Marque
Make FORD Modele
Model SIERRA COSWORTH N° Homol. A5370

N° Ext. 01 / 01 V0

Page or ext. Page or ext.	Art. Art.	Description Description
9	804	Alternative power steering rack, L.H.D and R.H.D Ratio =12.8 ± .25 Photo 89 - 91
9	804	Alternative power steering pump Photo 89 - 92
9	804	Increased capacity power steering pump reservoir Photo 89 - 93
9	804	Bracket for power steering pump Photo 89 - 94
9	804	Alternative steering column Photo 89 - 95
9	804	Increased capacity joints for steering column Photo 89 - 96



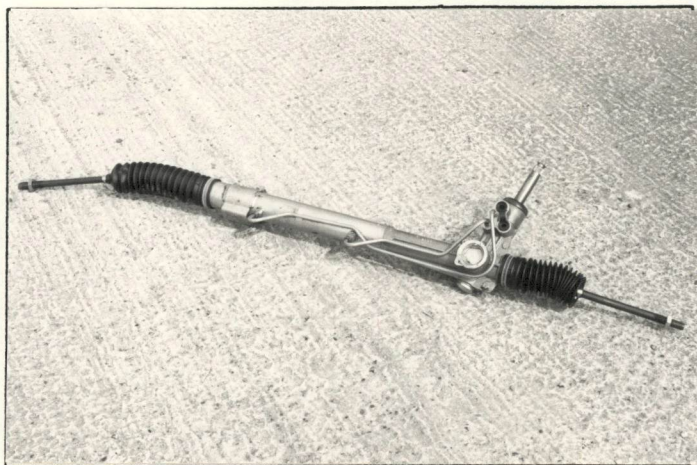
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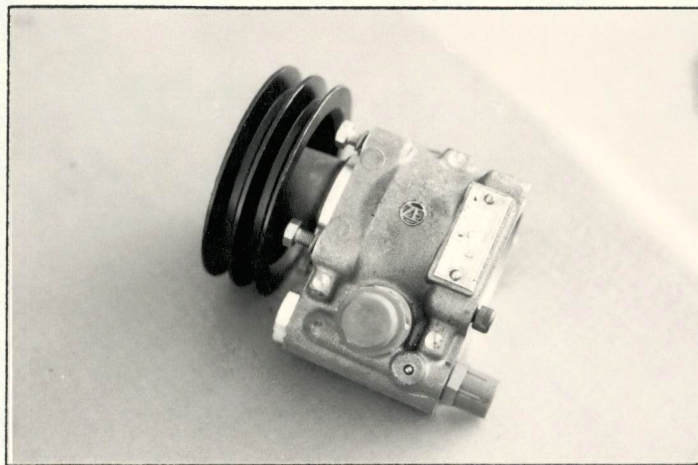
N° Homol. A5370

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N° Ext. 01 / 01 V0



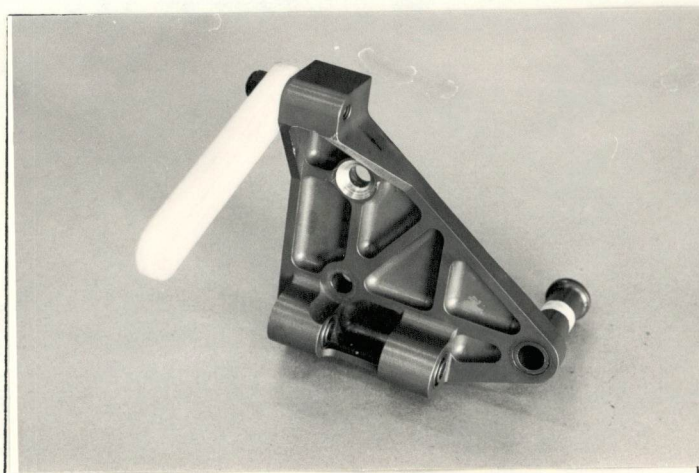
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89 - 92



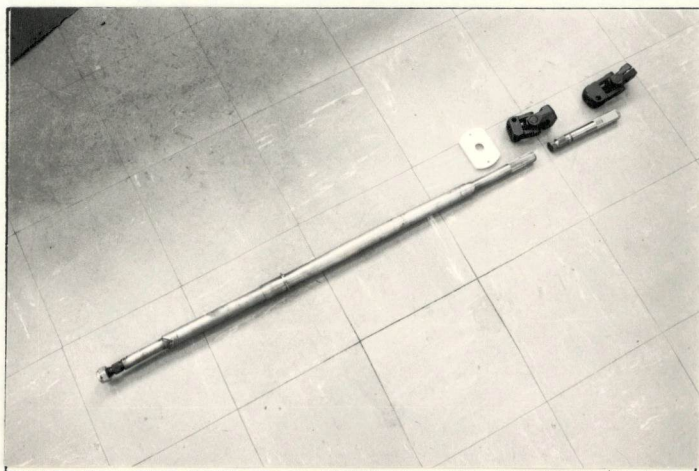
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89 - 94



89 - 95



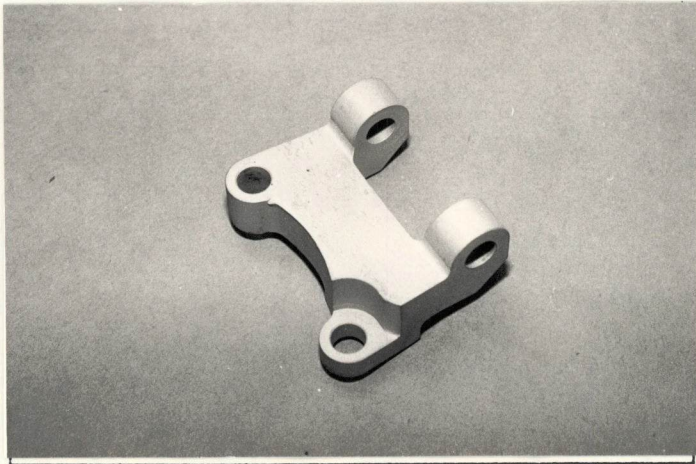
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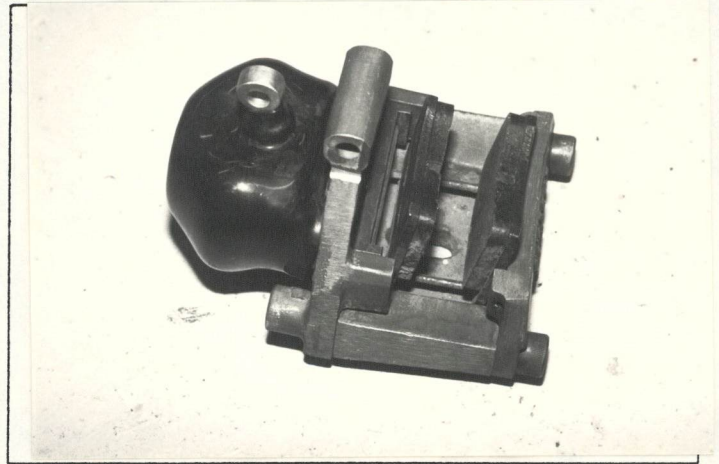
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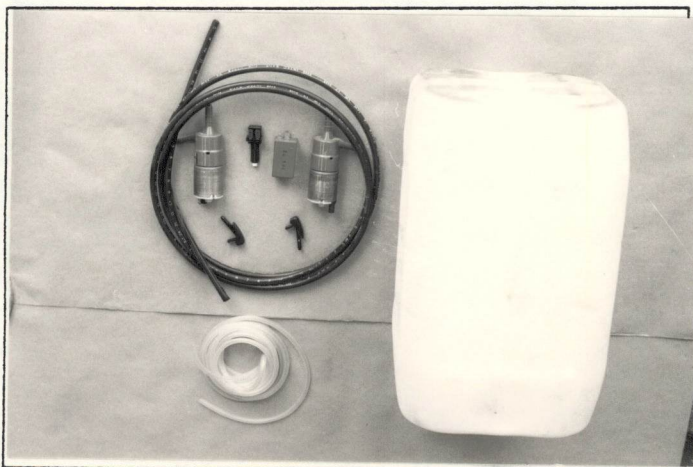
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89 - 86



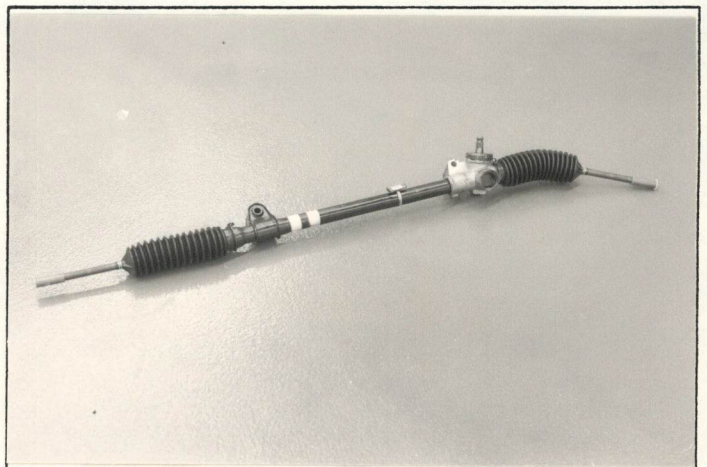
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89 - 88



89 - 89



89 - 90



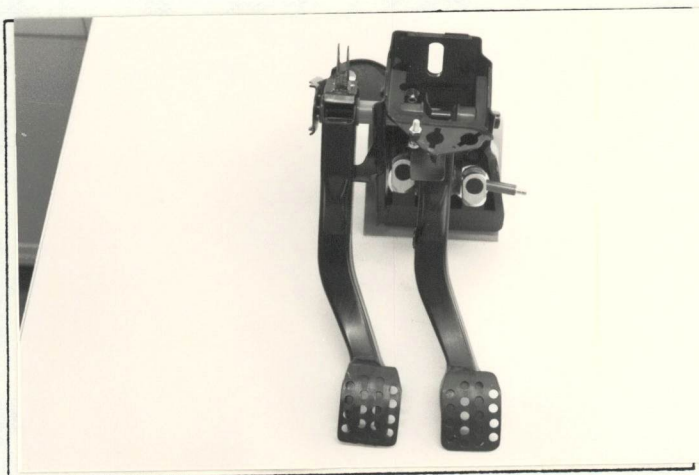
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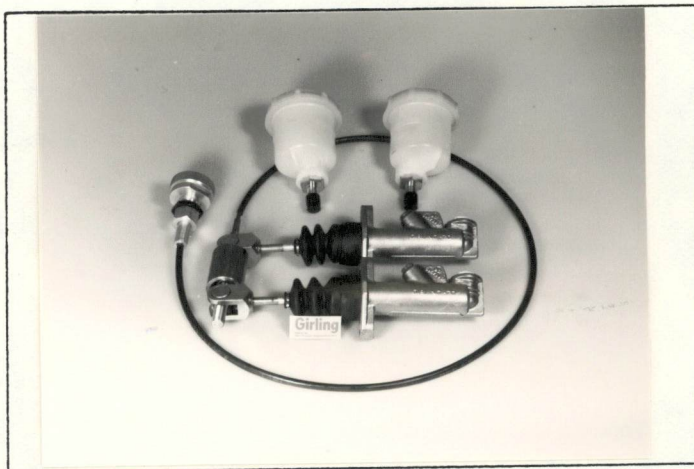
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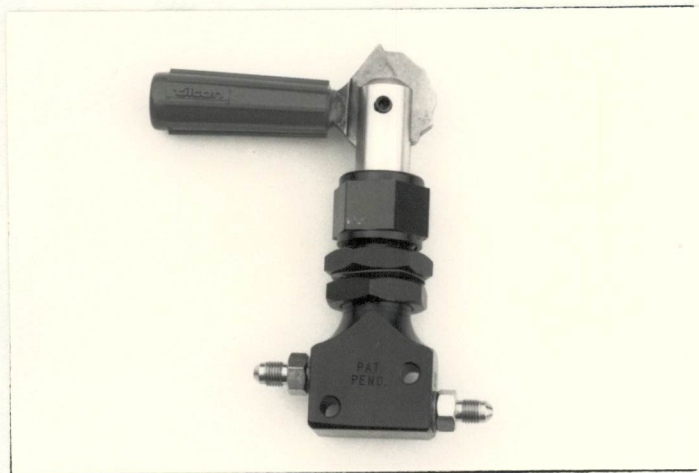
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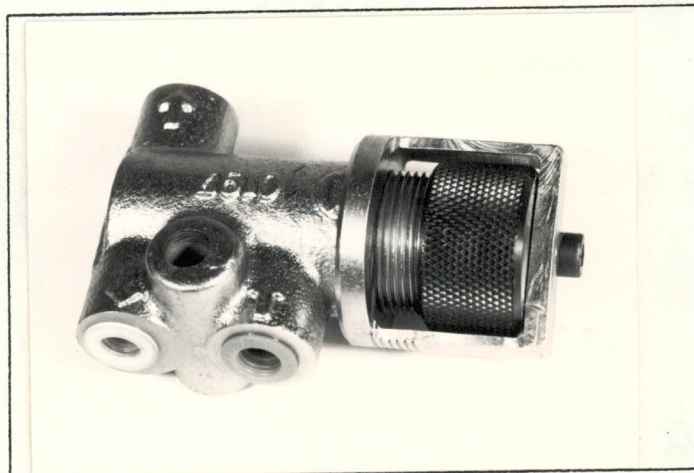
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89 - 80



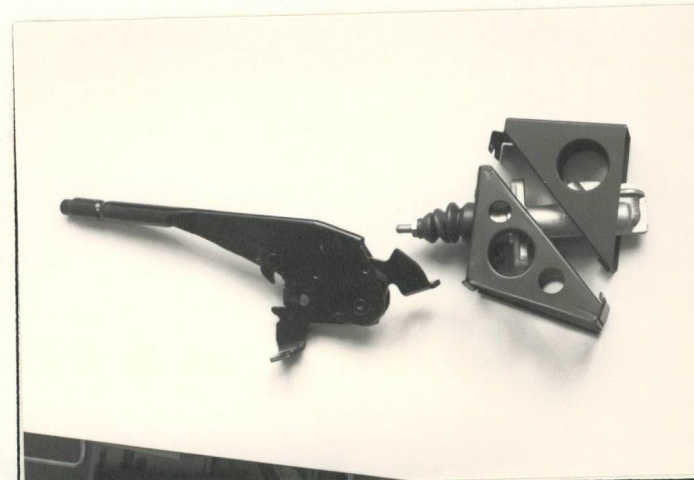
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89 - 82



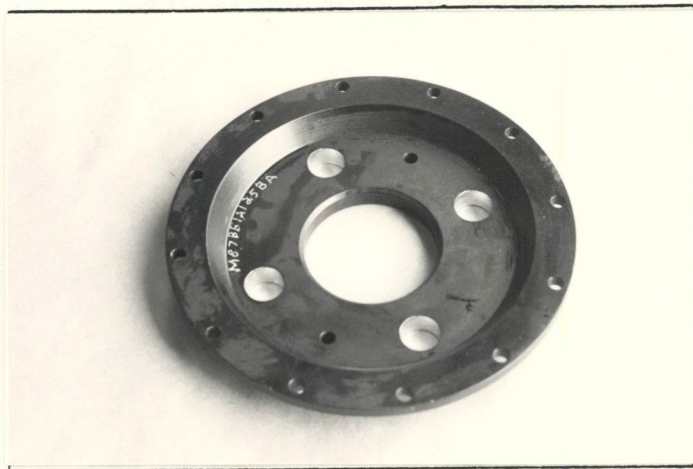
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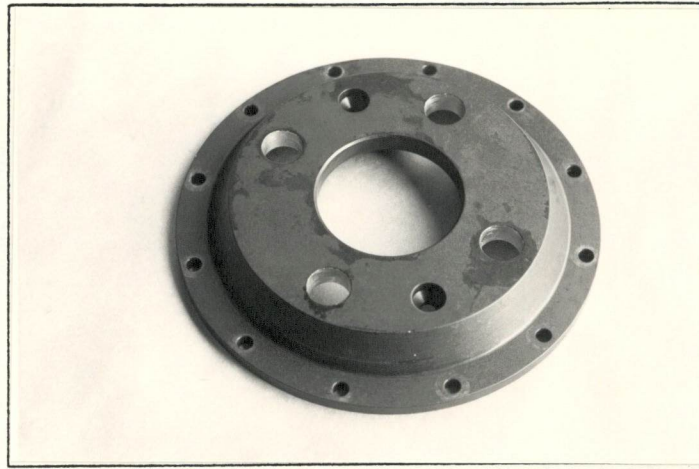
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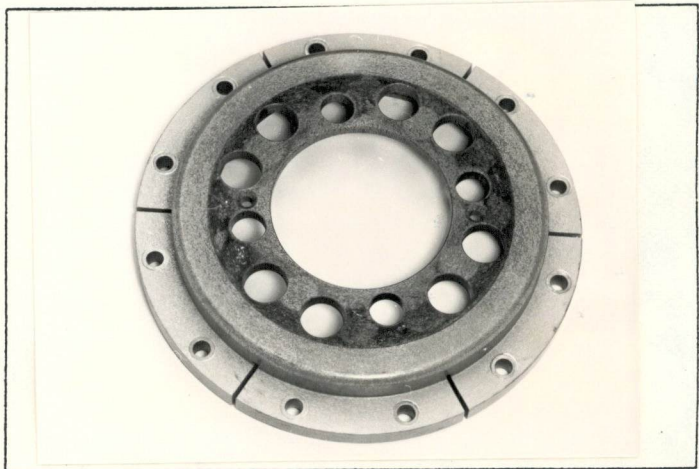
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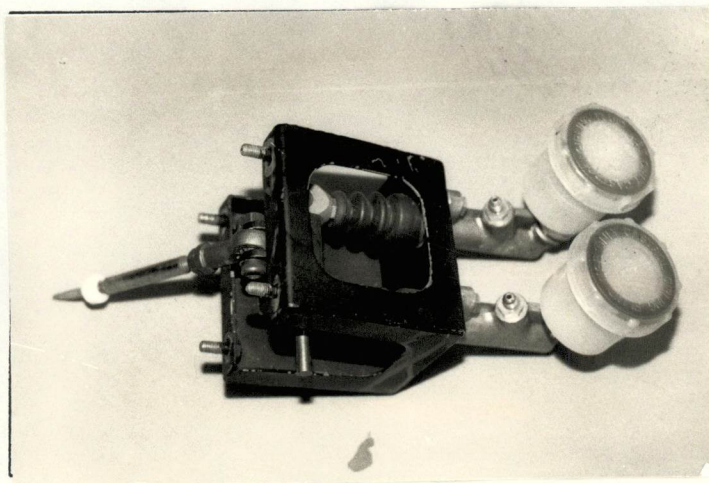
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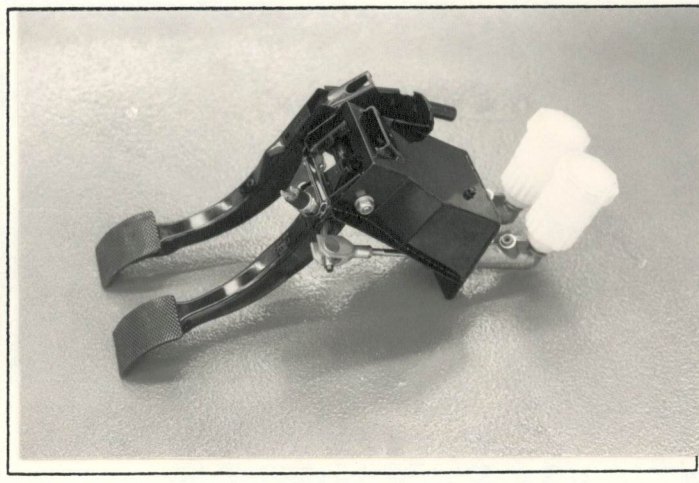
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89 - 76



89 - 77

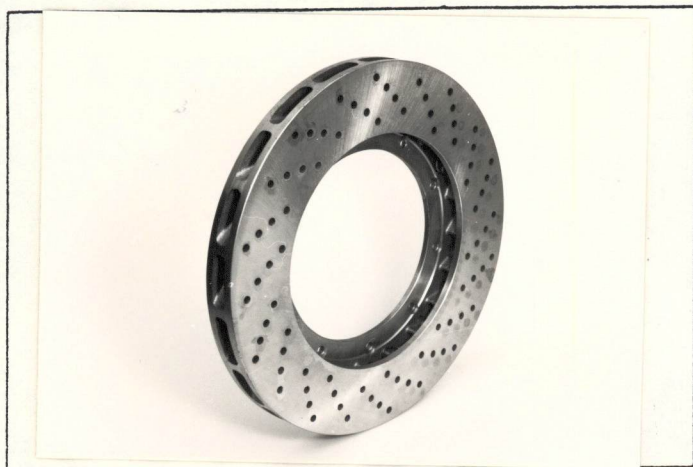


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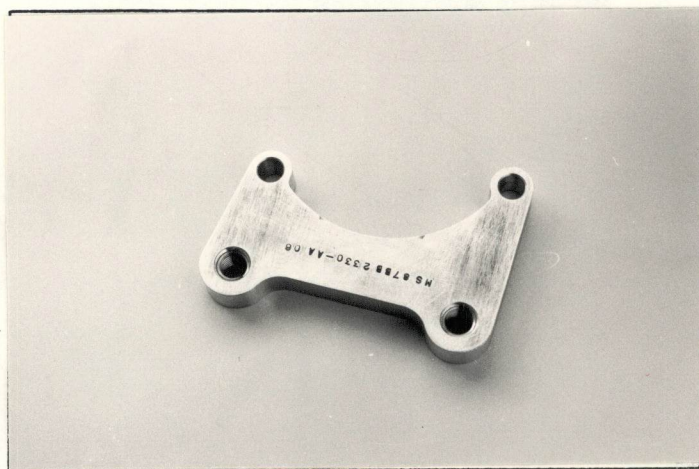
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Make _____ Model _____

PHOTOS / PHOTOS

N° Ext. 01 / 01 V0



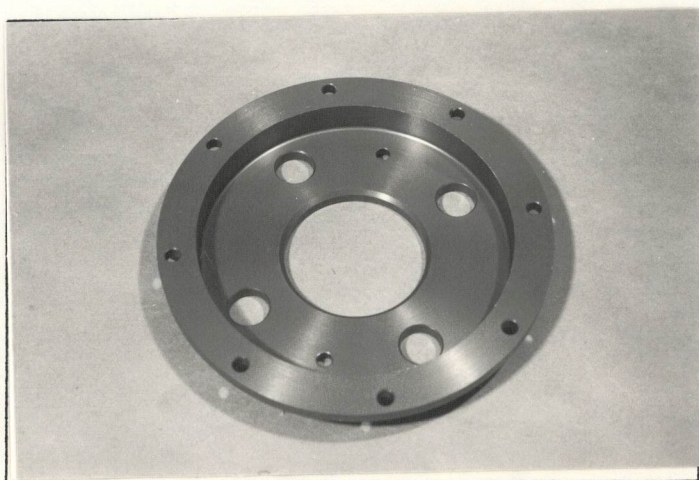
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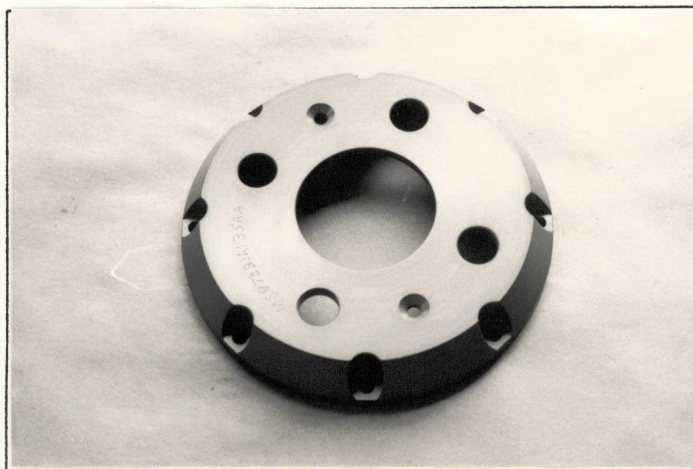
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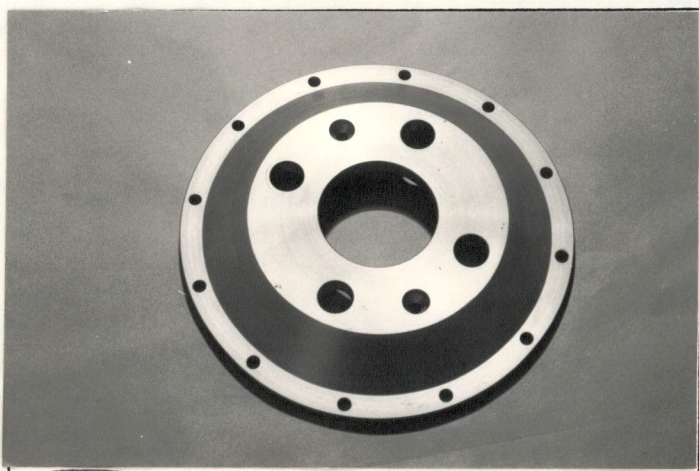
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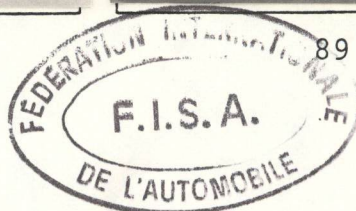
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89 - 71

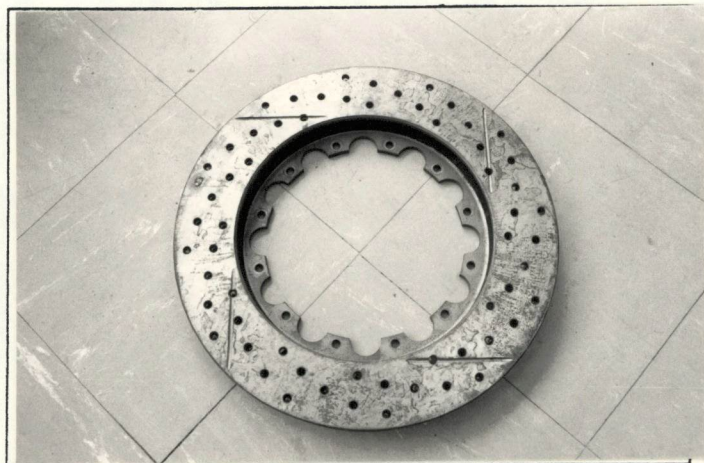


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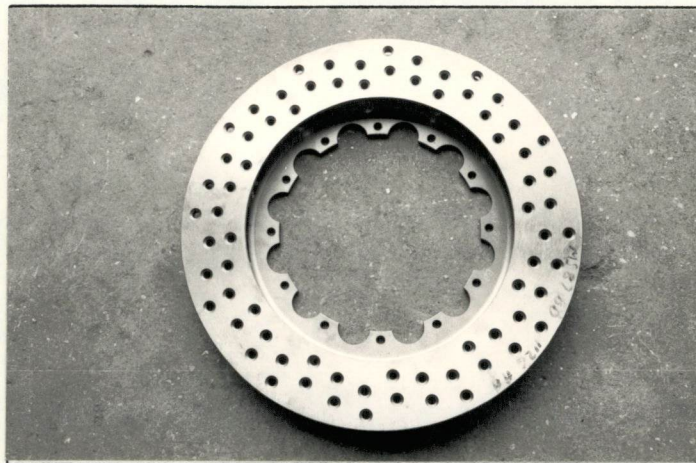


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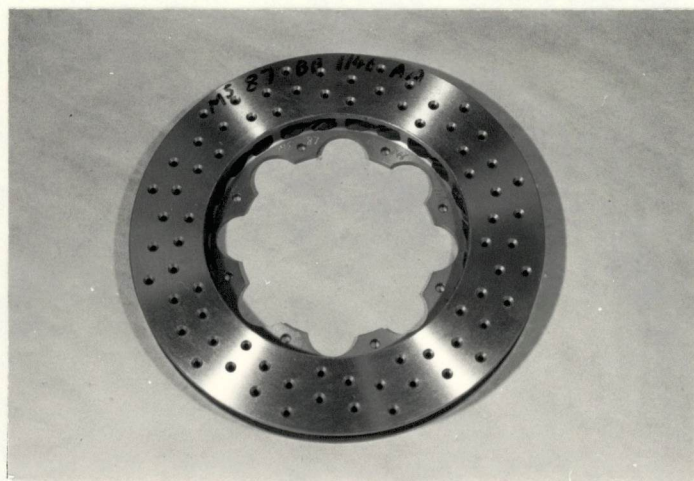
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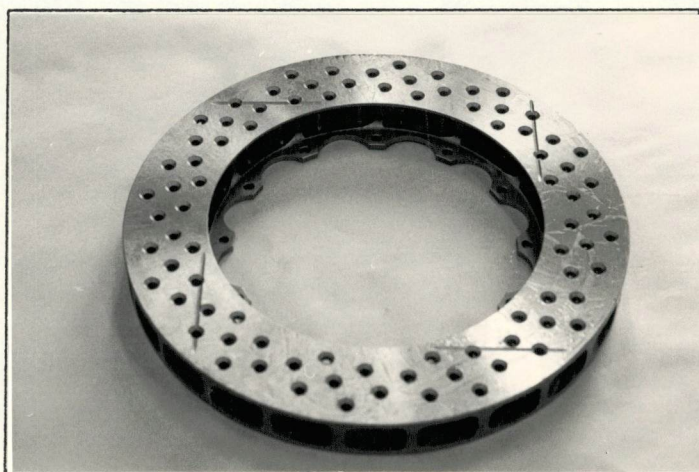
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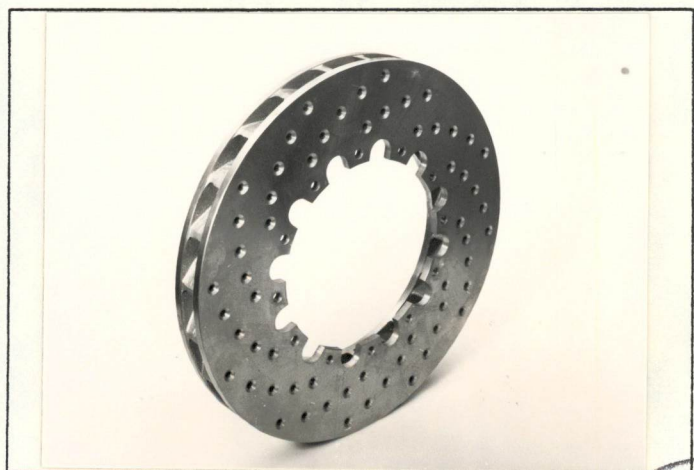
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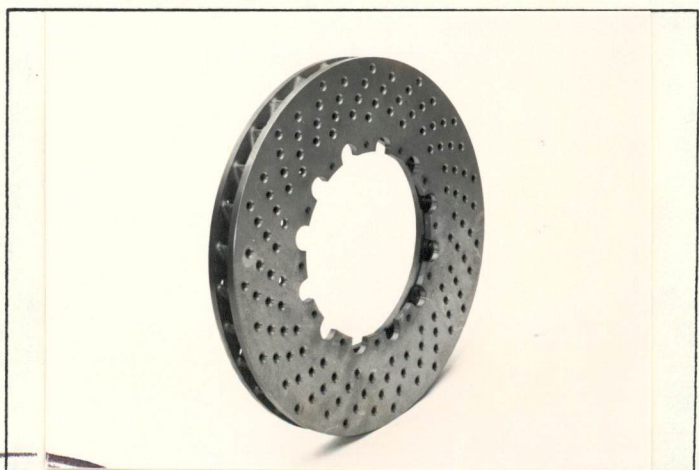
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89 - 64



89 - 65



89 - 66



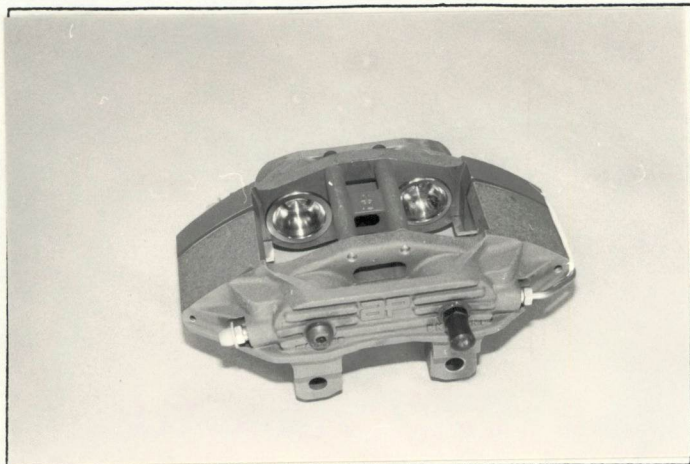
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Model SIERRA COSWORTH

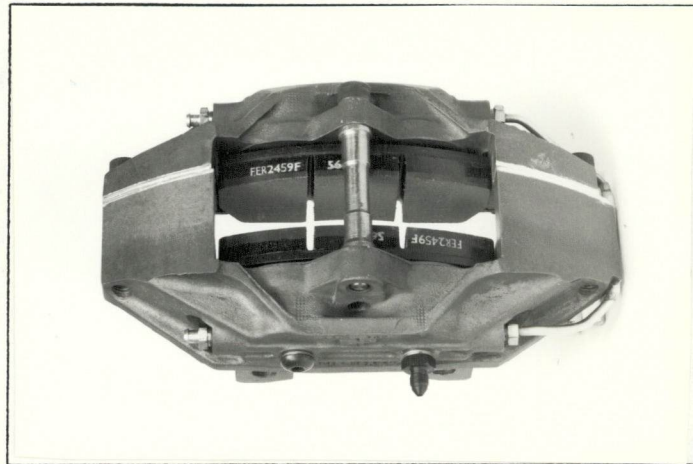
N° Homol. A5370

PHOTOS / PHOTOS

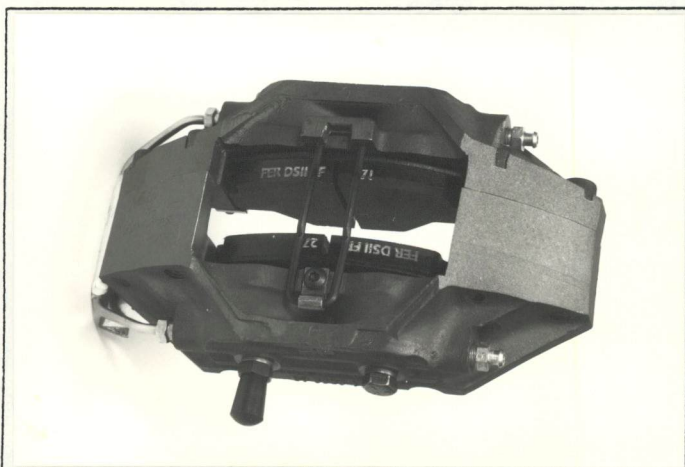
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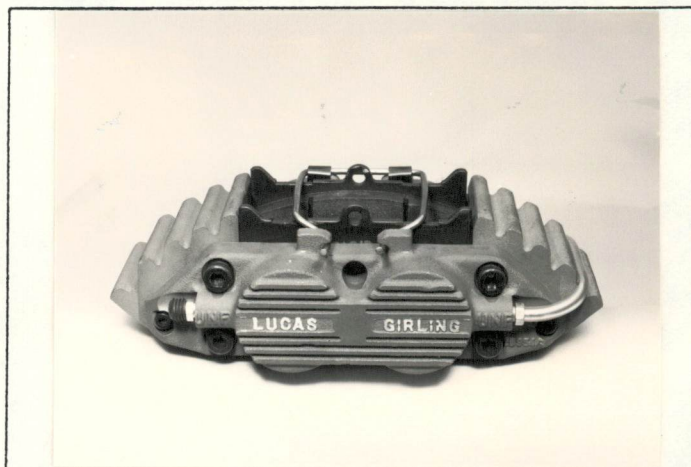
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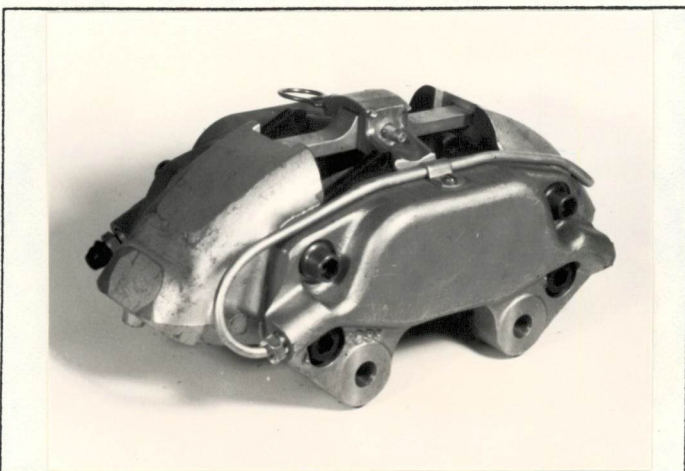
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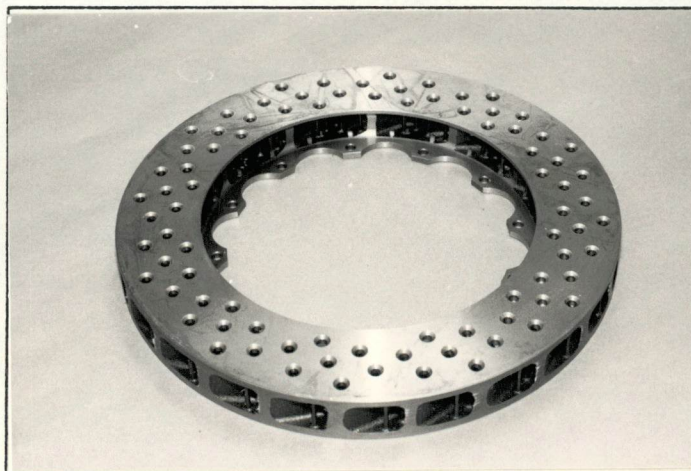
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89 - 58



89 - 59



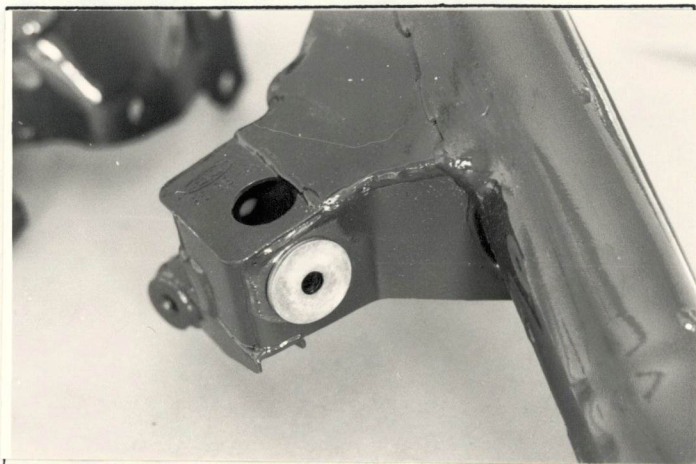
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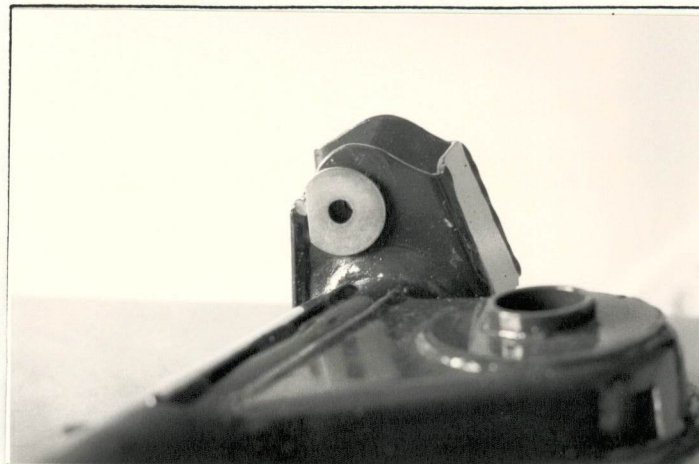
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Make Model

PHOTOS / PHOTOS

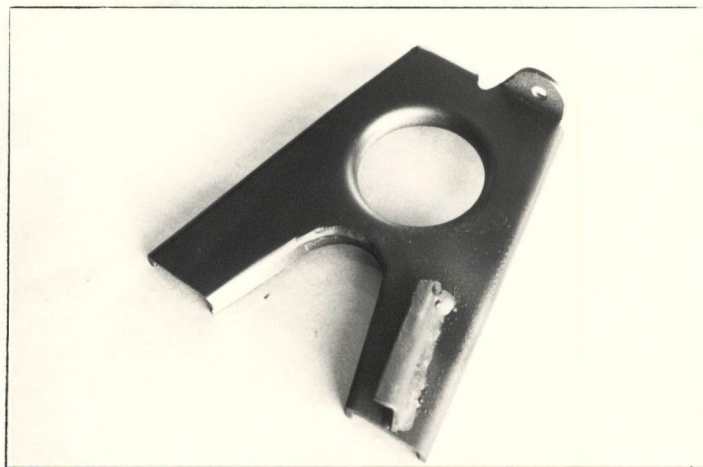
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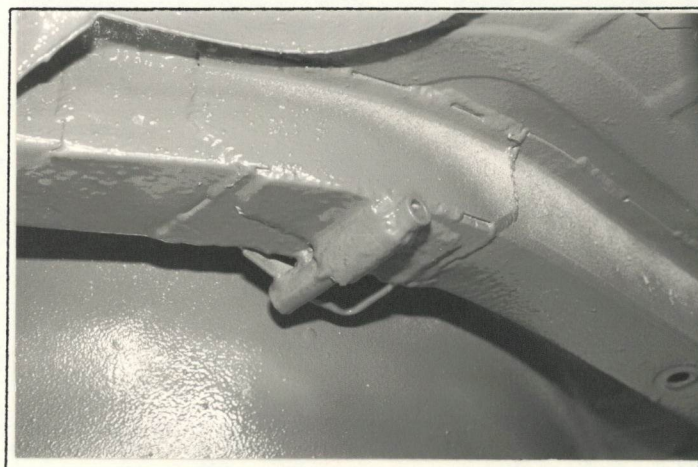
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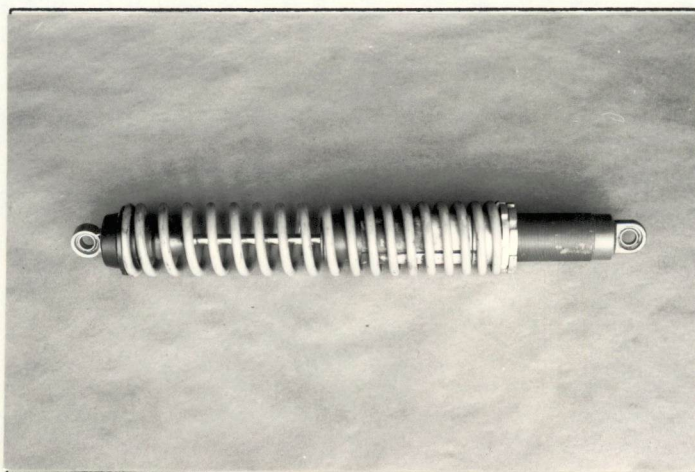
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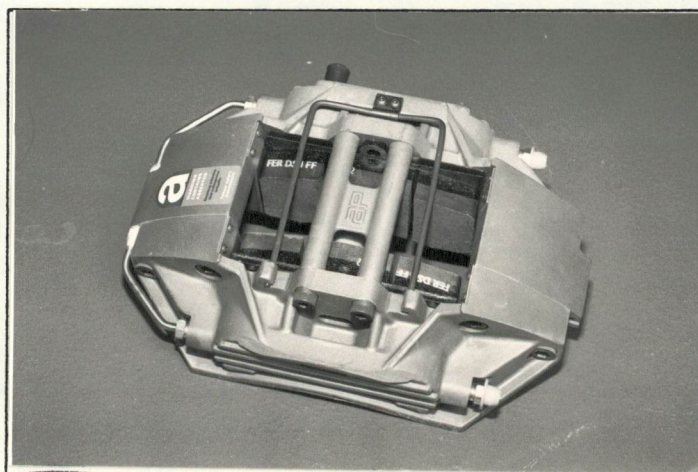
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89 - 52



89 - 53



89 - 54



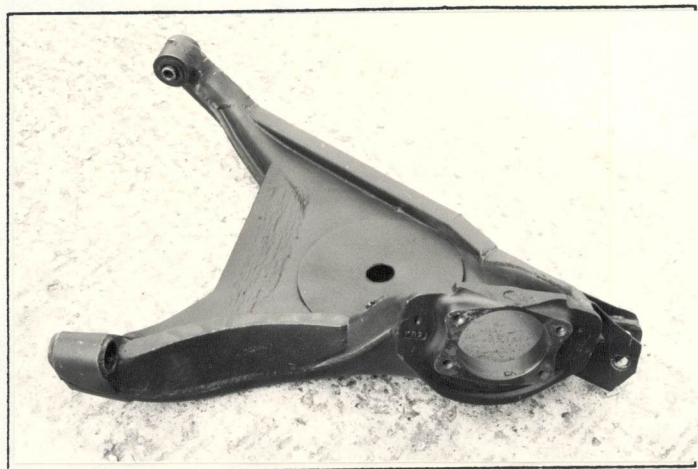
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Modèle
Model SIERRA COSWORTH

N° Homol. A5370

PHOTOS / PHOTOS

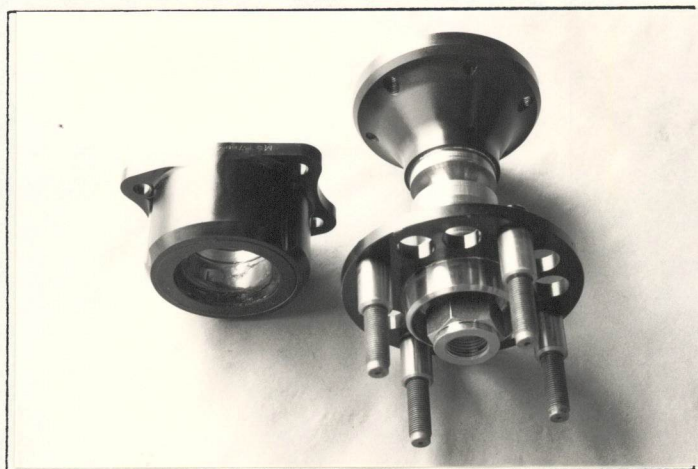
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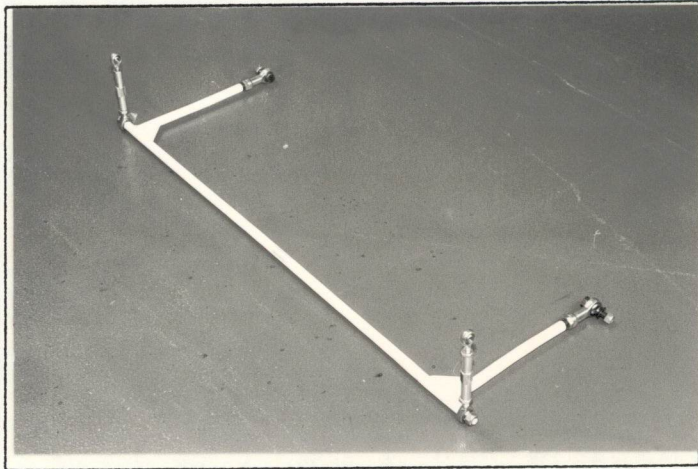
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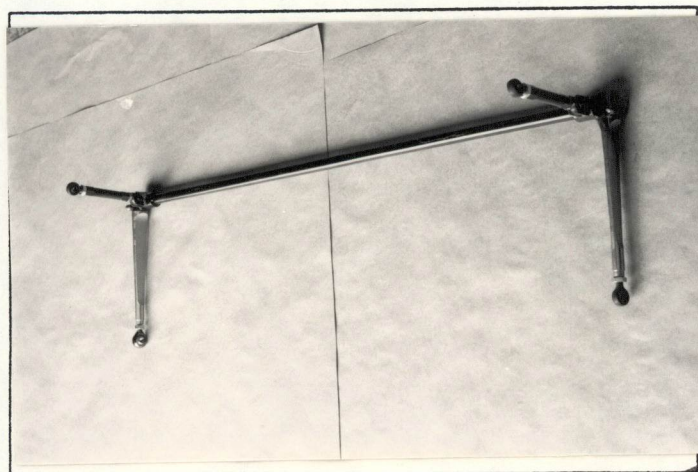
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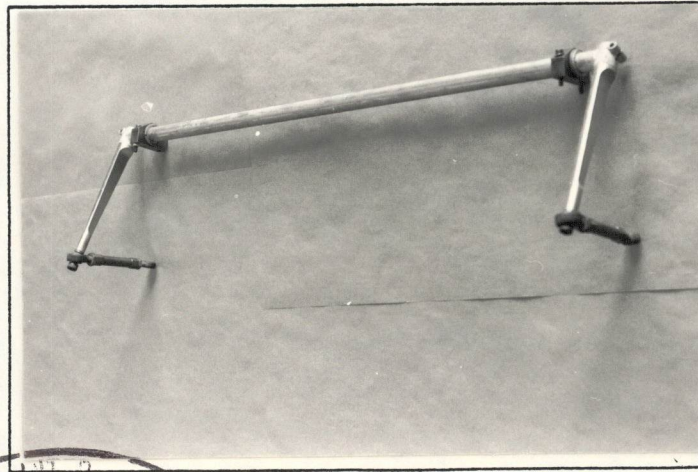
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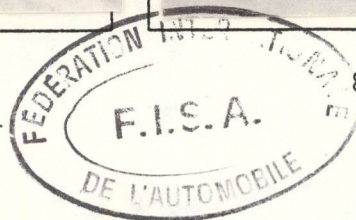
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89 - 47



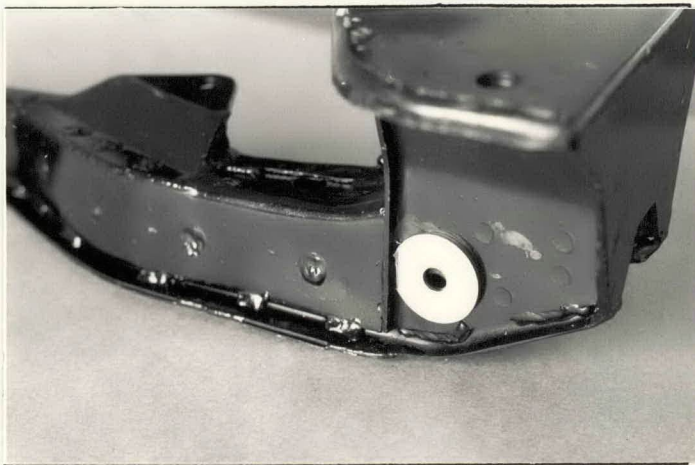
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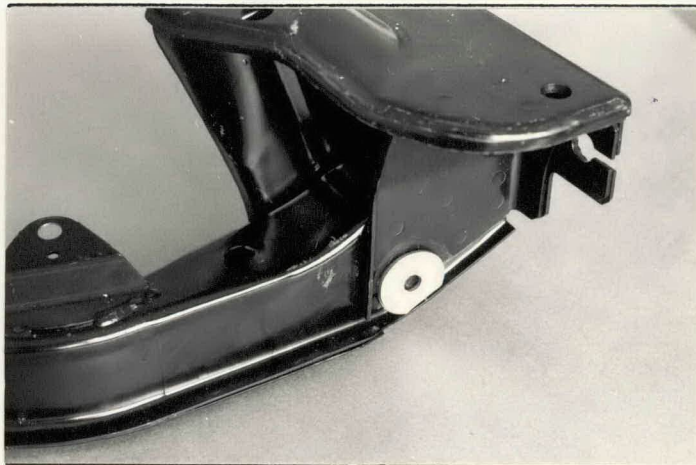
Marque FORD Modèle SIERRA COSWORTH N° Homol. A5370
Make _____ Model _____

PHOTOS / PHOTOS

N° Ext. 01 / 01 V0



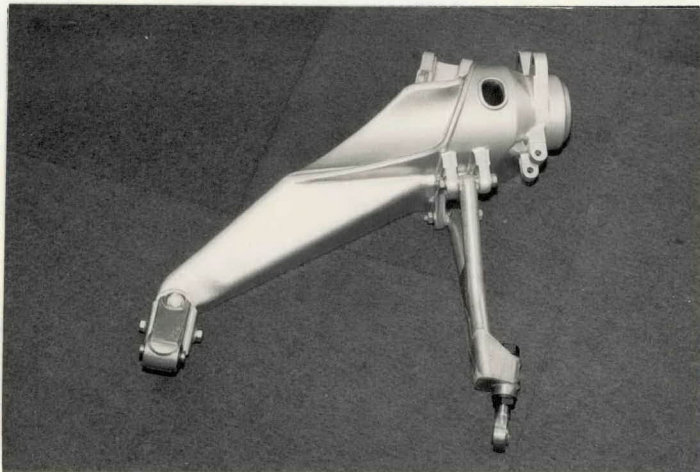
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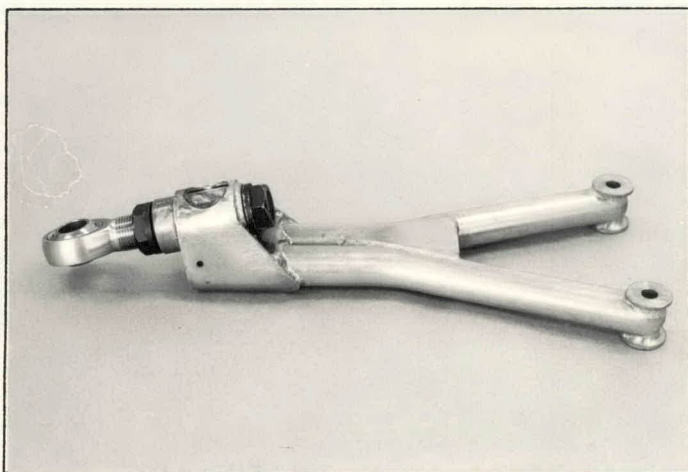
89 - 38



89 - 39



89 - 40



89 - 41



89 - 42



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SIERRA COSWORTH

N° Homol.

A5370

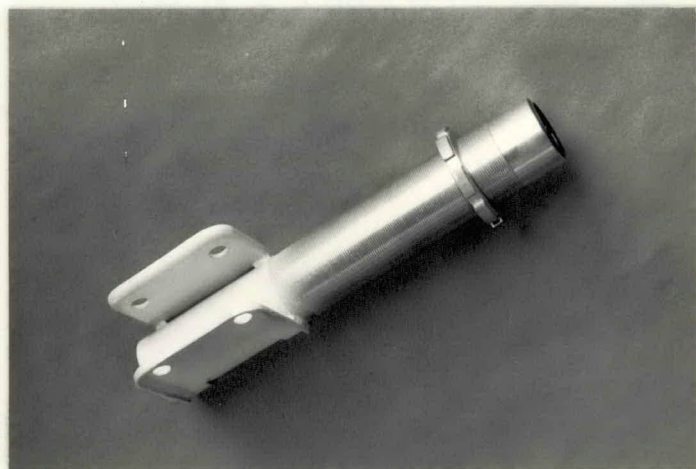
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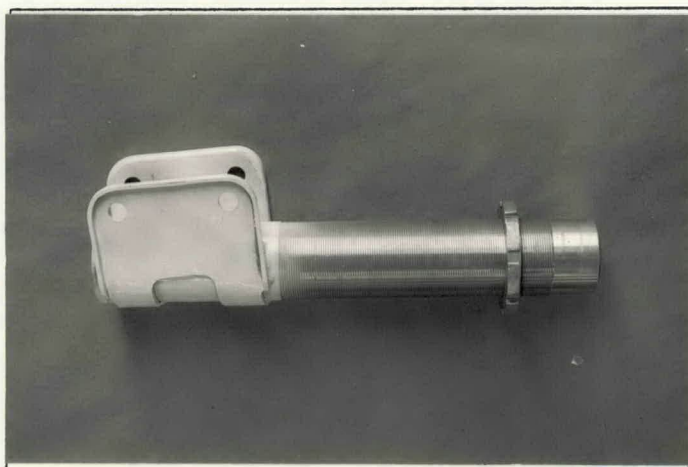
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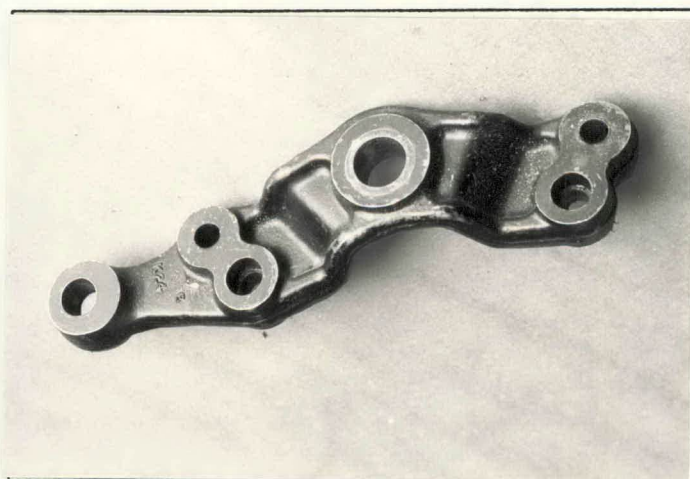
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89 - 33



89 - 34



89 - 35



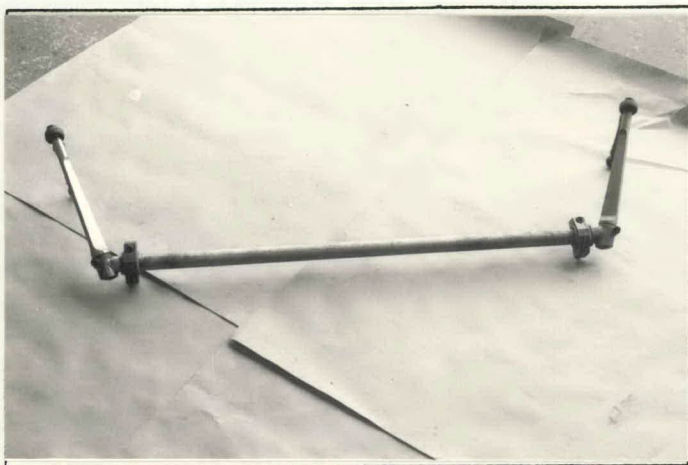
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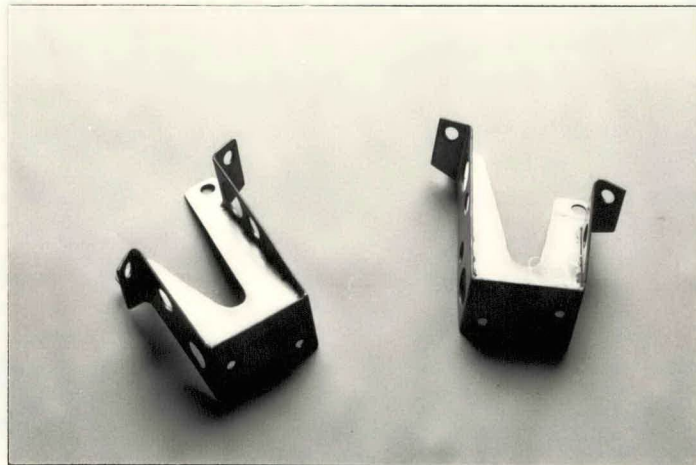
Marque FORD Modèle SIERRA COSWORTH
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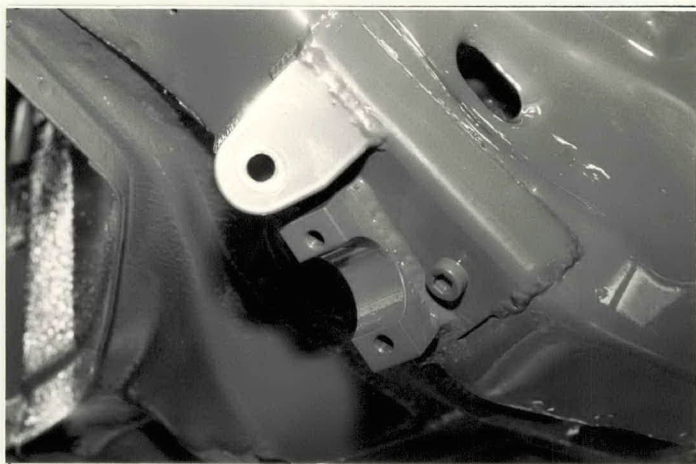
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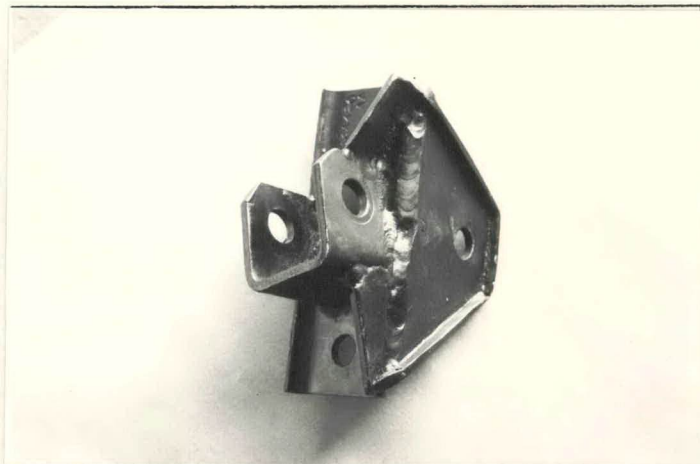
89 - 25



89 - 26



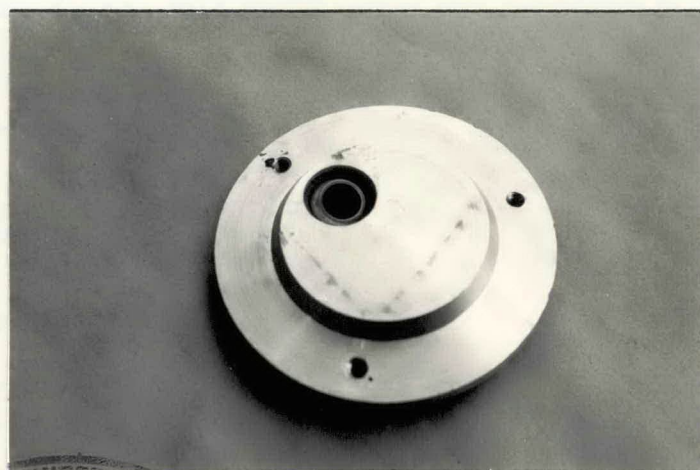
89 - 27



89 - 28



89 - 29



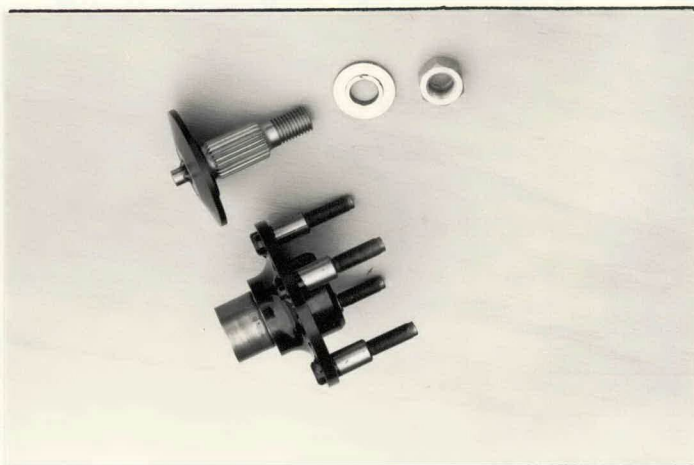
89 - 30



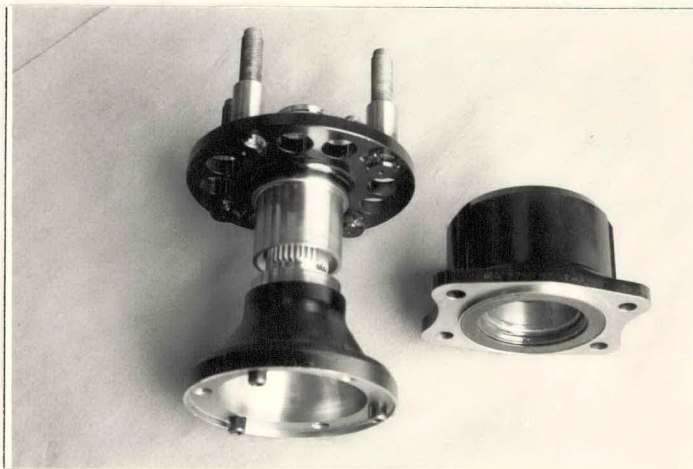
Marque FORD Modèle SIERRA COSWORTH N° Homol. A5370
Make _____ Model _____

PHOTOS / PHOTOS

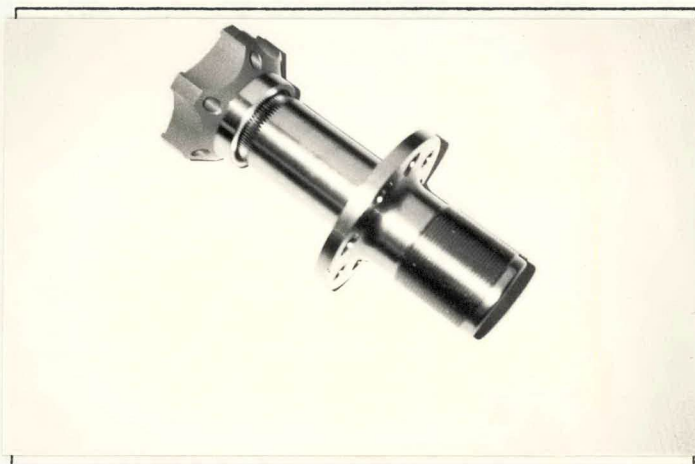
N° Ext. 01 / 01 V0



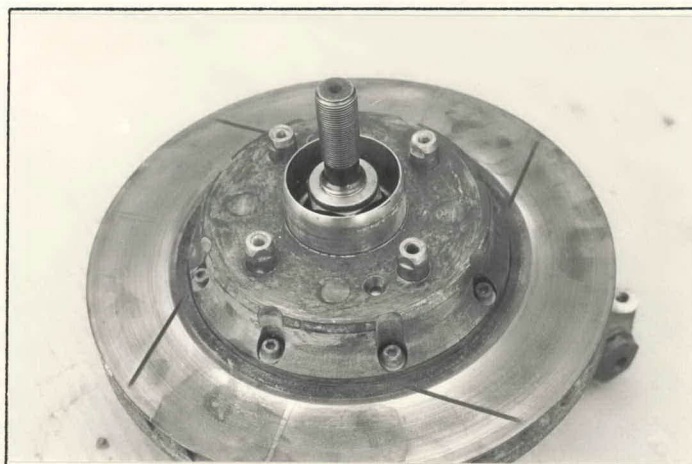
89 - 19



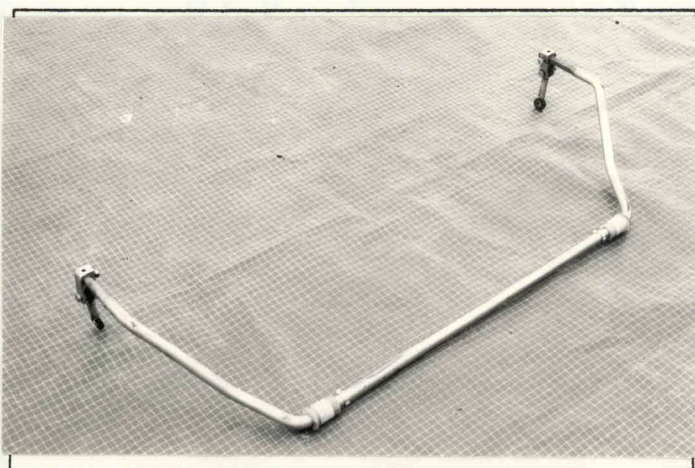
89 - 20



89 - 21



89 - 22



89 - 23

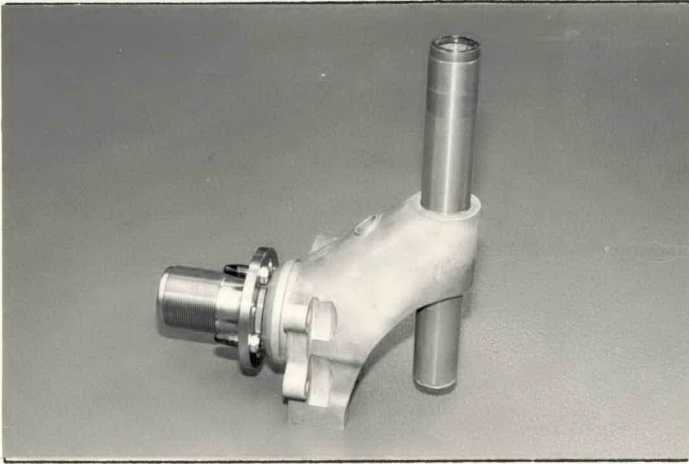


89 - 24



PHOTOS / PHOTOS

N° Ext. 01 / 01 V0



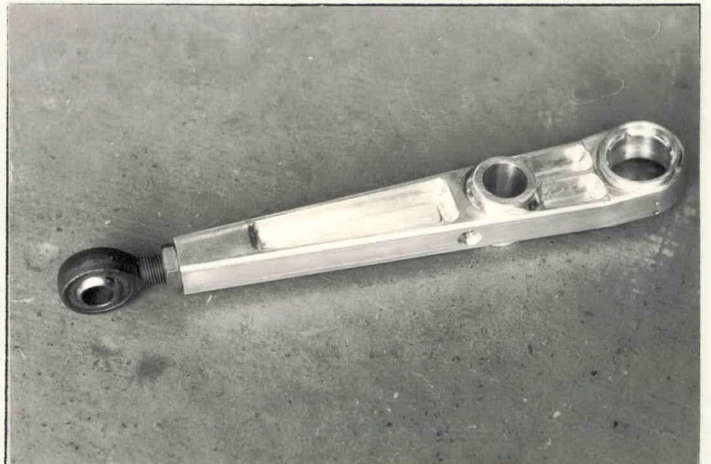
89 - 13



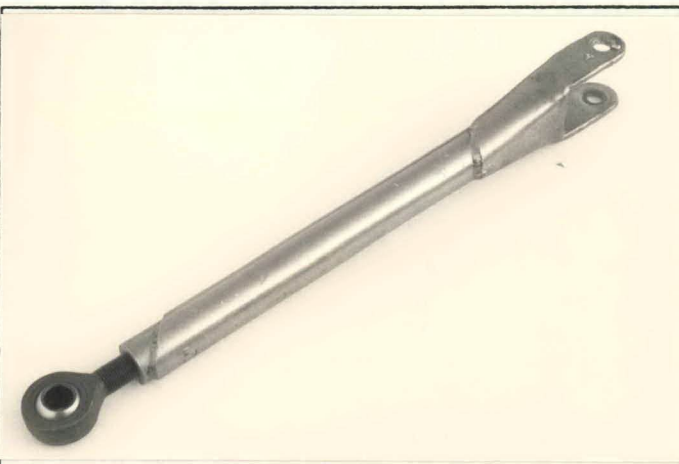
89 - 14



89 - 15



89 - 16



89 - 17

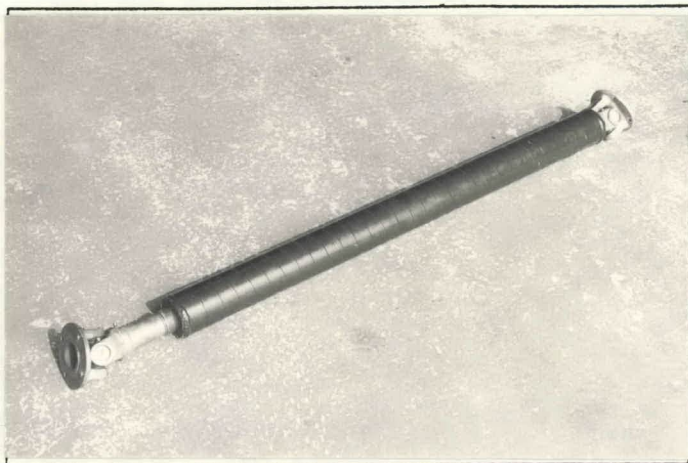


89 - 18

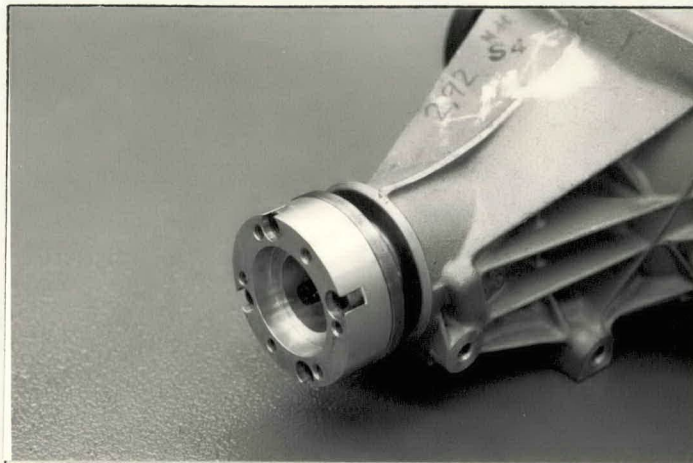


PHOTOS / PHOTOS

N° Ext. 01 / 01 V0



89 - 07



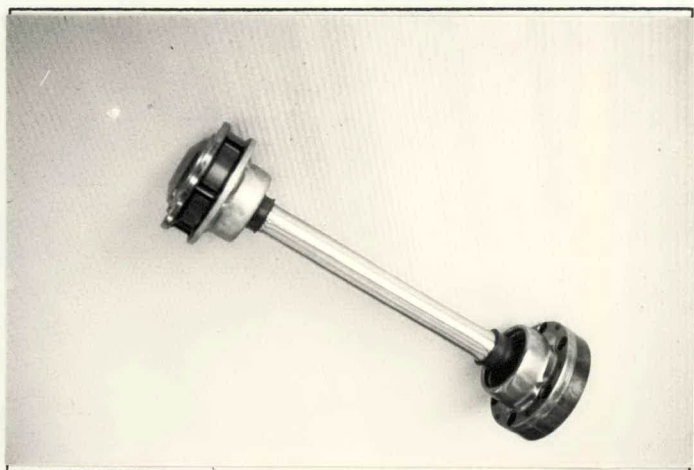
89 - 08



89 - 09



89 - 10



89 - 11



89 - 12



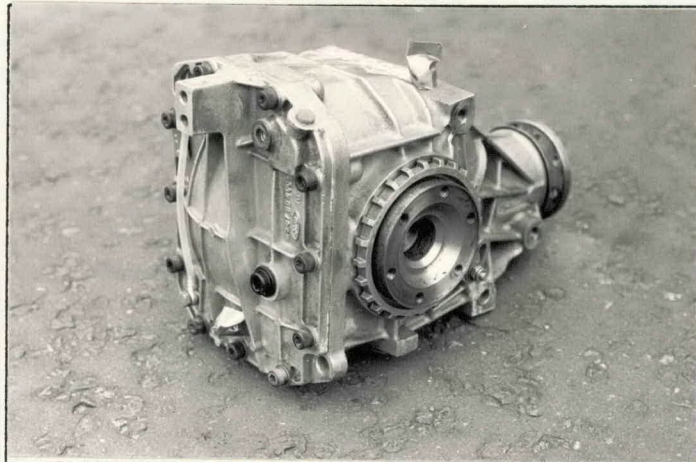
Marque FORD Modèle SIERRA COSWORTH N° Homol. A5370
Make _____ Model _____

PHOTOS / PHOTOS

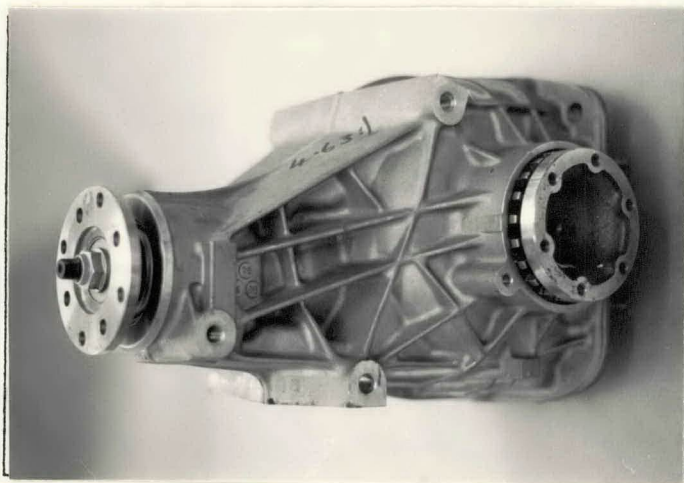
N° Ext. 01 / 01 v0



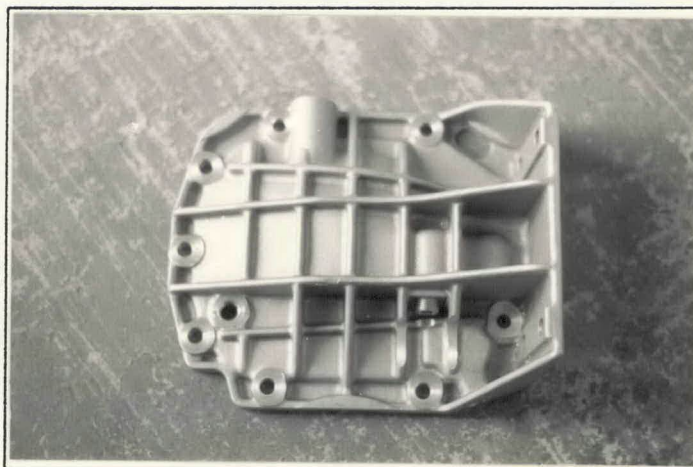
89 - 01



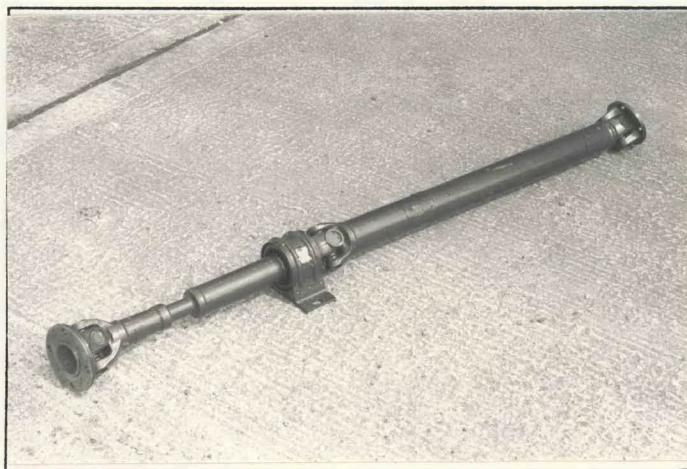
89 - 02



89 - 03



89 - 04



89 - 05



89 - 06





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A 5370

Extension N°

02 / 01 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
Homologation valid as from

01 JUL. 1989

en groupe
in group

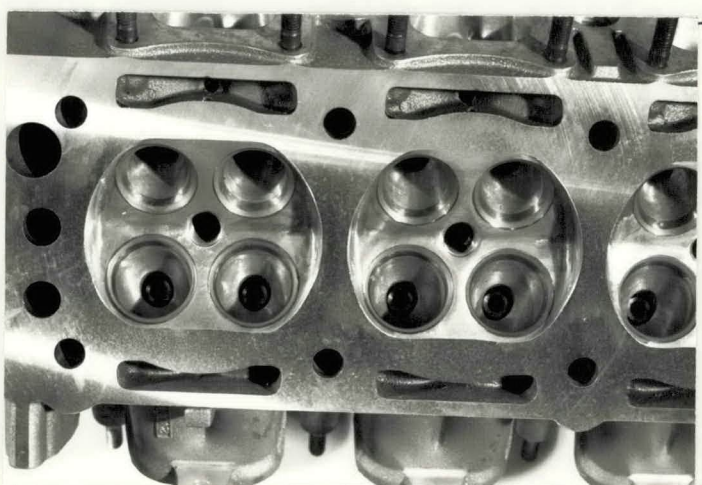
A

Constructeur
Manufacturer

Modèle et type
Model and type

SIERRA COSWORTH (4 Door)

Page ou ext. Page or ext.	Art. Art.	Description Description
10	Photo G	Alternative water passage construction, cylinder head face.



Original Supplier



Alternative Supplier





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5370

03 / 02 VF

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 COSWORTH
Vehicle : Manufacturer FORD Model and type SIERRA COSWORTH

Homologation valable à partir du 01 JUL. 1989 en groupe A
Homologation valid as from 01 JUL. 1989 in group A

334. Suralimentation
Turbocharging

a) Marque et type du turbo compresseur Garrett TO3B
Make and type of the turbocharger Garrett TO3B

b) Carter de turbine :
Turbine housing :

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

b2) Matériau High Temp Iron Alloy
Material High Temp 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 26.6 + 0.3 - 0.2 mm
Height(s) of blade 26.6 + 0.3 - 0.2 mm

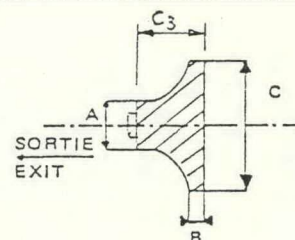
c4) Préciser les cotes A, B, C, selon le schéma suivant :

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

A = 48.7 +/- 0.1 mm

B = 11.5 + 0.3 - 0.25 mm measured @ 57.5mm

C = 58.9 +/- 0.25 mm gauge dia .



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 12
Number of blades 12

e3) Hauteur(s) d'une aube 14.1 & 19.4 + 0.15
Height(s) of blade 14.1 & 19.4 + 0.15
- 0.10 mm

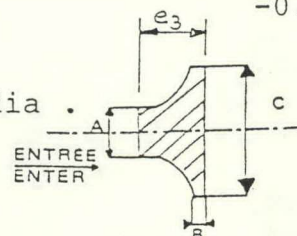
e4) Préciser les cotes A, B, C selon le schéma suivant :

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

A = 44.7 +/- 0.1 - 0.43 mm

B = 10.87 + 0.15 - 0.2 mm measured @ 55mm gauge dia .

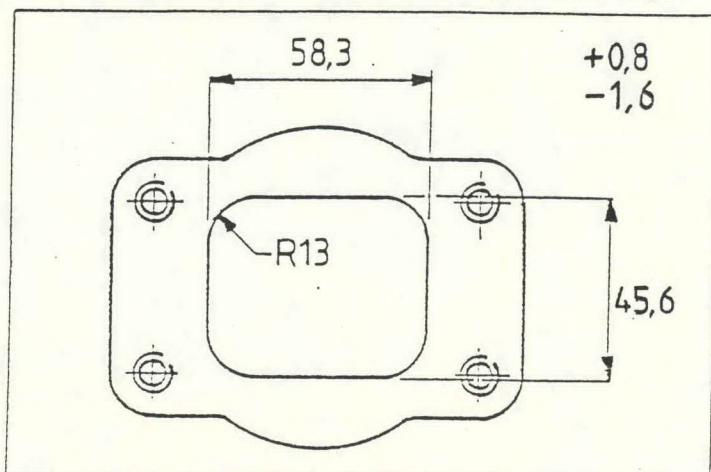
C = 60.4 + 0.15 - 0.5 mm



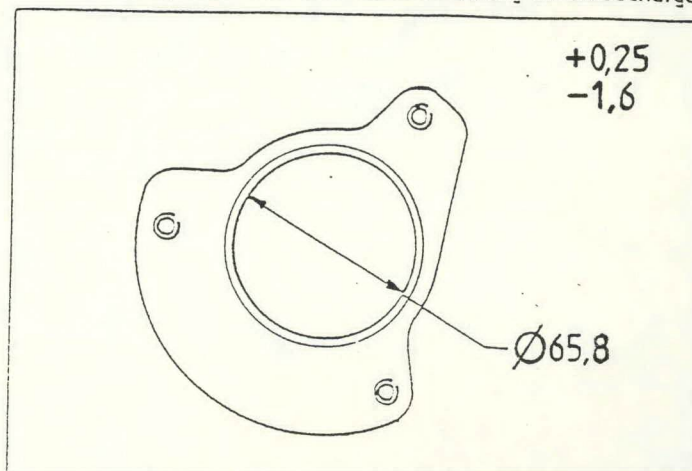
03 / 02 VF

DESSINS / DRAWINGS

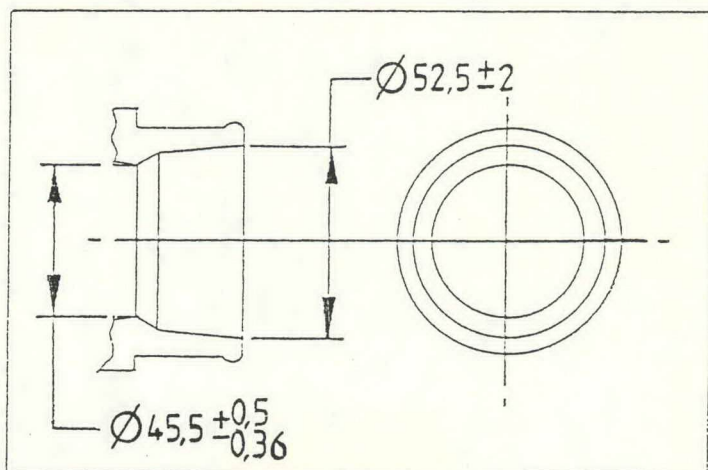
V) Entrée des gaz d'échappement dans le carter de turbine du turbocompresseur
 Exhaust gas entry in the turbine housing of turbocharger.



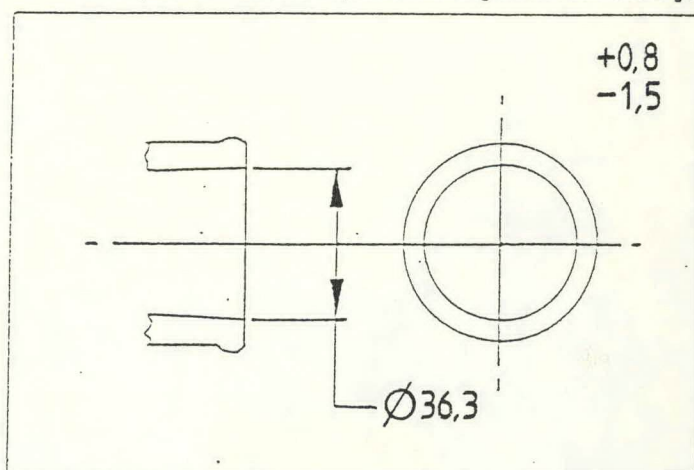
VI) Sortie des gaz d'échappement du carter de turbine du turbocompresseur.
 Exhaust gas exit of the turbine housing of turbocharger.



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 5370

Extension N°

04 / 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

Homologation valid as from

01 OCT. 1989

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
		New Old
17	334c3 334c4	26.6 ± 0.5mm A = 48.7 ± 0.15mm B = 11.5 ± 0.5mm C = 58.9 ± 0.3mm
	334e3 334e4	14.1 & 19.4 +0.3, - 0.4mm A = 44.7 + 0.4, - 0.3mm B = 10.87 ± 0.6mm C = 60.4 + 0.3, - 0.5mm
20	Drg 5 Drg 6 Drg 8	All dimensions ± 2.0mm 65.8 ± 2.0mm 36.3 ± 2.0mm





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A5370

Extension N°

05 / 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

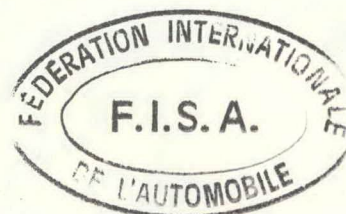
Homologation valable dès le _____ en groupe _____
Homologation valid as from _____ in group _____

01 MAI 1990

Constructeur _____ Modèle et type _____
Manufacturer _____ Model and type _____

FORD**SIERRA COSWORTH (4 door)**

Page ou ext. Page or ext.	Art. Art.	Description Description
6	603	Revised mounting for standard and/or additional gearbox Photo 90 - 01
7	701	Revised mount for anti roll bar combined with sump protection support (Rally ONLY) Photo 90 - 02
7	701	Rear suspension sub frame with reinforced brackets for suspension and differential mount (suspension points within FISA parameters, and as previously homologated). Photo 90 - 03 and 90 - 04



Marque
Make FORD

Modèle
Model SIERRA COSWORTH
(4 door)

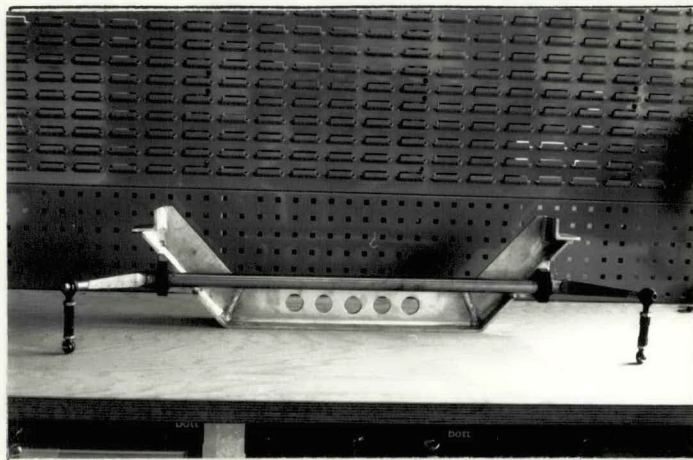
N° Homol. A5370

PHOTOS / PHOTOS

N° Ext. 05 / 02 V0



90 - 01



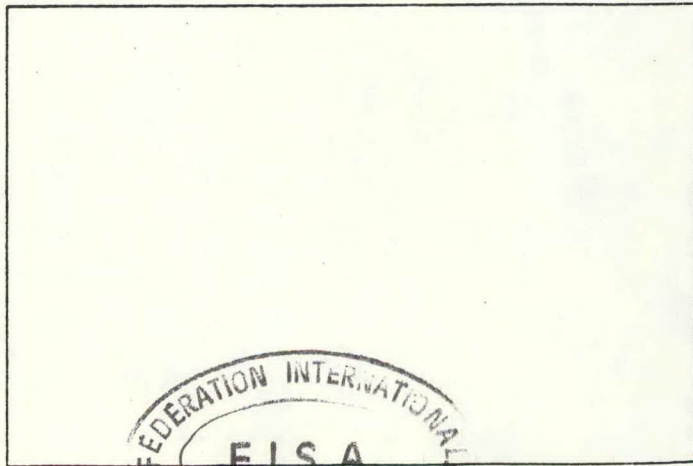
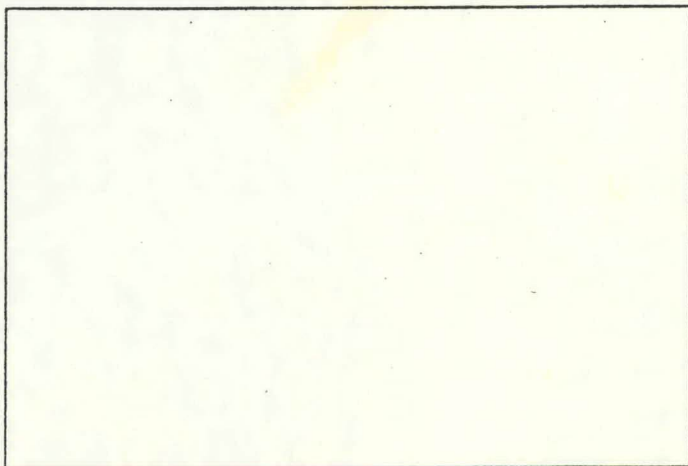
90 - 02



90 - 03



90-04





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

N - 5370

N

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

Homologation valable à partir du

01 OCT. 1988

prononcée par

FISA

Homologation valid as from

decided by

En complément de la fiche de Gr. A n°

In addition to the Gr. A from n°

A - 5370

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

Commercial name(s) — Type and model

SIERRA COSWORTH (4 DOORS)

103. Cylindrée totale

1993.9 x 1.7 = 3389.6 cm³

Cylinder capacity

2. DIMENSIONS, POIDS / DIMENSIONS, WEIGHTS

201. Poids minimum

Minimum weight

1150

kg

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

AV

Front

295

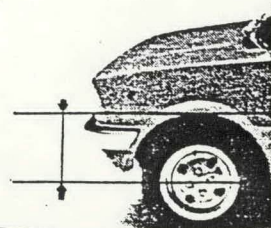
mm

AR

Rear

295

mm



Marque FORD Modèle SIERRA COSWORTH N° Homol. N-5370 **N**
Make _____ Model _____

207. Voie maximum AV 1464 mm AR 1480 mm
Maximum track Front _____ mm Rear _____ mm

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

3. MOTEUR / ENGINE

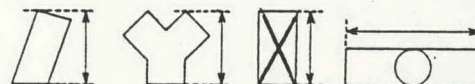
302. Nombre de supports 3
Number of supports _____

308. Volume minimal total d'une chambre de combustion 64.3 cm³
Total minimum volume of a combustion chamber _____

309. Volume minimum d'une chambre de combustion dans la culasse 48.8 cm³
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 220.6 mm
Minimum height of the cylinder block _____



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

317. Piston a) Matériau
Piston Material Aluminium alloy

b) Nombre de segments 3 c) Poids minimum 589.7 g
Number of rings _____ Minimum weight _____

d) Distance de la médiane de l'axe au sommet du piston 40.75^{±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 0.4^{±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 cm³
Piston groove volume _____

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

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

321. Culasse: c) Hauteur minimum 138.4 mm
Cylinderhead: Minimum height _____
d) Endroit de la mesure head face to machined top deck
Where measured _____

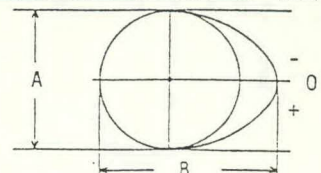


Marque FORD Modèle SIERRA COSWORTH N° Homol. N-5370 **N**

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: $A = \frac{38.25}{46.8}$ mm
Cam dimensions Inlet: $B = \frac{46.8}{46.8}$ mm
(see sheet 11) Echappement: $A = \frac{38.25}{46.8}$ mm
Exhaust: $B = \frac{46.8}{46.8}$ mm



326. Distribution a) Jeu théorique pour la distribution Admission _____ Echappement _____
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/avant PMH Echappement 52 ° avant/avant 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/avant PMB Echappement 8 ° avant/avant PMH
Inlet before/after BDC Exhaust before/after TDC

d) Levée de came en mm (arbre démonté)

Cam lifts in mm (dismounted camshaft)

(dessin/drawing art. 325)

Admission / Inlet

0 = 8.6 mm

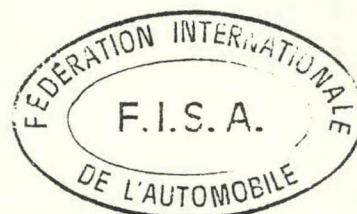
Echappement / Exhaust

0 = 8.6 mm

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

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

Tolerance +/- 0.2 mm and +/- 2°



Marque
Make

FORD

Modèle

Model SIERRA COSWORTH

N° Homol.

N - 5370

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)

Tolerance: +/- 0.2mm
and +/- 2°

Admission / Inlet

Art. 326 b) =	8	avant/après PMH before/after TDC = 0,0 mm
+ 20°	=	1.41 mm
+ 40°	=	3.76 mm
+ 60°	=	5.78 mm
+ 80°	=	7.30 mm
+ 100°	=	8.25 mm
+ 120°	=	8.6 mm
+ 140°	=	8.25 mm
+ 160°	=	7.30 mm
+ 180°	=	5.78 mm
+ 200°	=	3.76 mm
+ 220°	=	1.41 mm
+ 240°	=	0 mm
+ 260°	=	mm
+ 280°	=	mm
+ 300°	=	mm
+ 320°	=	mm
+ 340°	=	mm
+ 360° (crank)	=	mm

Echappement / Exhaust

Art. 326 b) =	52	avant/après PMB before/after BDC = 0,0 mm
+ 20°	=	1.41 mm
+ 40°	=	3.76 mm
+ 60°	=	5.78 mm
+ 80°	=	7.30 mm
+ 100°	=	8.25 mm
+ 120°	=	8.6 mm
+ 140°	=	8.25 mm
+ 160°	=	7.30 mm
+ 180°	=	5.78 mm
+ 200°	=	3.76 mm
+ 220°	=	1.41 mm
+ 240°	=	0 mm
+ 260°	=	mm
+ 280°	=	mm
+ 300°	=	mm
+ 320°	=	mm
+ 340°	=	mm
+ 360° (crank)	=	mm

327. Admission h) Nombre de ressorts par soupape

Inlet	Number of springs per valve	1
i) Caractéristiques des ressorts: Sous une charge de	kg, la longueur max. du ressort est de	mm
Spring characteristics: Under a load of	257N kg, the max. length of the spring is	32 mm
Caractéristiques des ressorts: Sous une charge de	kg, la longueur max. du ressort est de	mm
Spring characteristics: Under a load of	620N kg, the max. length of the spring is	24 mm
m) Diamètre du fil des ressorts	n) Longueur libre maximum des ressorts	40 mm
Diameter of spring wire	Maximum free length of the springs	mm
3.9 ± 0.1 mm	1) Number of spring coils	5.8 mm
k) Exterior diameter of the spring	30 mm	

328. Echappement

Exhaust	
c) Diamètre de(s) sortie(s) du collecteur see	i) Nombre de ressorts par soupape
Diameter of the manifold exit(s) <u>sheet 10</u> mm	Number of springs per valve <u>1</u>
k) Caractéristiques des ressorts: Sous une charge de <u>257N</u> kg, la longueur max. du ressort est de <u>32</u> mm	
Spring characteristics: Under a load of <u>257N</u> kg, the max. length of the spring is <u>32</u> mm	
l) Diamètre extérieur des ressorts <u>30</u> mm	m) Nombre de spires des ressorts <u>5.8</u>
Exterior diameter of the springs <u>30</u> mm	Number of spring coils <u>5.8</u>
n) Diamètre du fil des ressorts	o) Longueur libre maximum des ressorts
Diameter of spring wire <u>3.9 ± 0.1</u> mm	Maximum free length of the springs <u>40</u> mm



Marque FORD Modèle SIERRA COSWORTH N° Homol. N-5370 N
Make _____ Model _____

329. Système anti-pollution a) oui/non

Anti pollution system Yes ~~no~~

b) Description

Description recirculation of crankcase gases

330. Système d'allumage d) Nombre de bobines

Ignition system

Number of coils 1

331. Capacité du circuit de refroidissement

Cooling system capacity

8.5

L

332. Ventilateur de refroidissement a) Nombre

Cooling fan

Number 2

b) Diamètre de l'hélice

Diameter of the screw

280 ± 3

mm

c) Matériau de l'hélice

Material of the screw

plastic

d) Nombre de pales

Number of blades

6 each

e) Type de connexion

Type of connection

electric

f) Ventilateur débrayable

Automatic cut in

oui/non
~~yes/no~~

333. Système de lubrification c) Capacité totale

Lubrication system

Total capacity

3.8

L

d) Radiateur(s) d'huile

Oil radiator(s)

oui/non

yes/no

Nombre

Number

1

e) Emplacement du/des radiateurs

Position of the radiator(s)

alongside engine block

4. CIRCUIT DE CARBURANT / FUEL CIRCUIT

401. Réservoir

Fuel tank

e) Emplacement des orifices

Filler holes location

rear quarter panel

402. Pompe(s) à essence a)

Fuel pump(s)

☒ Electrique

☒ Electrical

☐ Mécanique

☐ Mecanical

b) Nombre

Number

1

c) Marque et type

Make and type

Bosch

d) Emplacement

Location

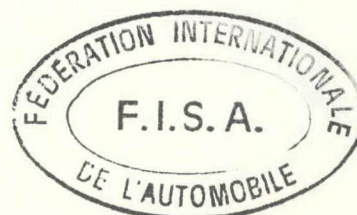
next to fuel tank

e) Débit maximum

Maximum flow

2.5

l/mn



Marque FORD Modèle SIERRA COSWORTH N° Homol. N-5370 N
 Make _____ Model _____

5. EQUIPEMENT ELECTRIQUE / ELECTRICAL EQUIPEMENT

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

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

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

6. TRANSMISSION / DRIVE

502. Embrayage a) Type dryplate d) Diamètre du(des) disque(s) 242 ±2
 Clutch Type _____ Diameter of the plate(s) _____ mm

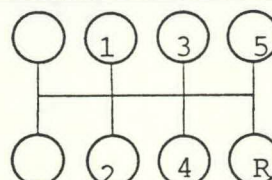
603. Boîte de vitesse

Gearbox

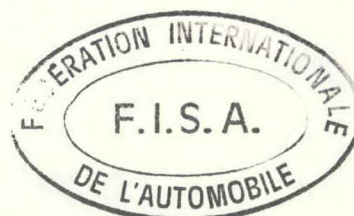
e) rapports
ratios

	Manuelle / Manual			Automatique / Automatic		
	rapports ratio	nombre de dents/ number of teeth	synchro.	rapports 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	1.292	31/24				
Constant.						

f) Grille de vitesse
Gear change gate



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



Marque FORD
Make

Modèle SIERRA COSWORTH
Model N° Homol.

N - 5370 N

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
oui /non	oui /non
xxx /no	yes /no
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm

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

703. Ressorts à lames Leaf springs

A = Lame maîtresse / X = lame auxiliaire
2 = 2^e lame / 3 = 3^e lame / 4 = 4^e lame / 5 = 5^e lame

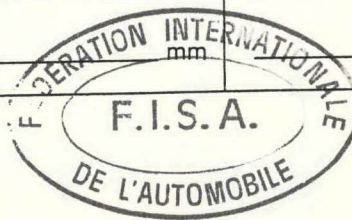
A = major leaf / X = auxiliary leaf
2 = 2nd leaf / 3 = 3rd leaf / 4 = 4th leaf / 5 = 5th leaf

- 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 FORD
Make _____

Modèle SIERRA COSWORTH
Model _____

N° Homol. N - 5370 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
see page 11 _____ mm	_____ mm
28 _____ mm	14 _____ mm
steel _____	steel _____

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

- _____ mm	- _____ mm
oui /non yes /no	oui /non yes /no
190 _____ mm	- _____ mm
- _____ mm	- _____ mm



Marque FORD Modèle SIERRA COSWORTH N° Homol. N-5370 **N**
 Make _____ Model _____

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
143 mm	143 mm	143 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
~~xx~~

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

AR / Rear	AV / Front
bench	bucket
oui/non yes/no	oui/non yes/no
7.8 kg	17 kg

- d4) Siège AR rabattable
Car rear seat be folded
 e) Plaque arrière
Rear ledge

oui/~~non~~
 yes/~~no~~
~~xx~~

- e1) Matériau
Material fibre board/steel

902. Extérieur Exterior

- n) Essuie-glace AR
Rear wiper

~~oui~~/non
~~yes~~/no
~~xx~~



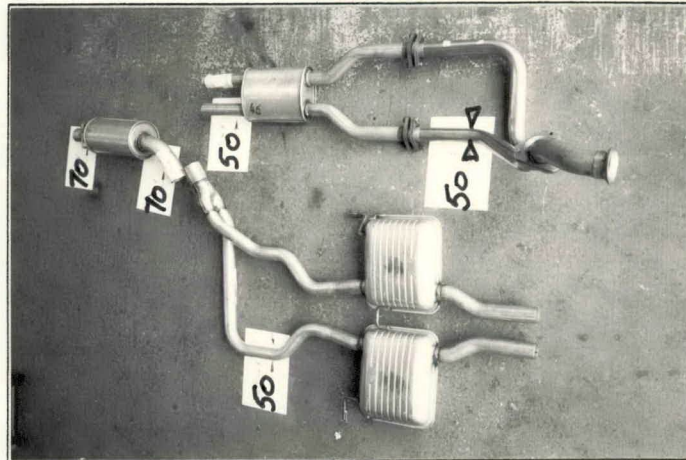
Marque FORD Modèle SIERRA COSWORTH N° Homol. N-5370 N
 Make _____ Model _____

PHOTOS / PHOTOS

Moteur / Engine

AA) Piston de profil
 Piston profile

BB) Echappement complet
 Complete exhaust system

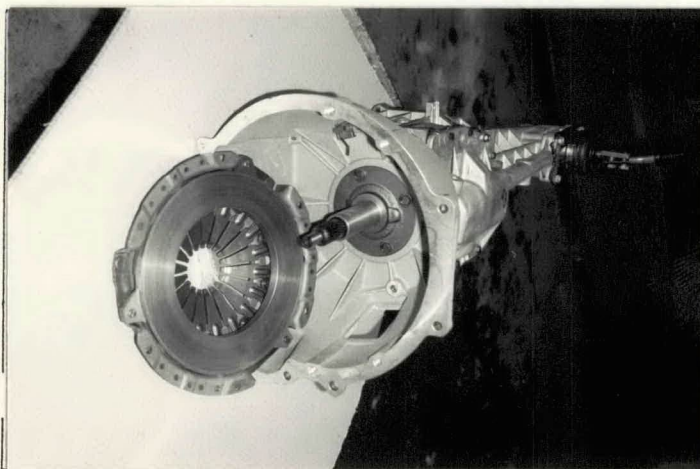


Transmission / Transmission

CC) Embrayage complet
 Complete clutch

Train roulant / Running gear

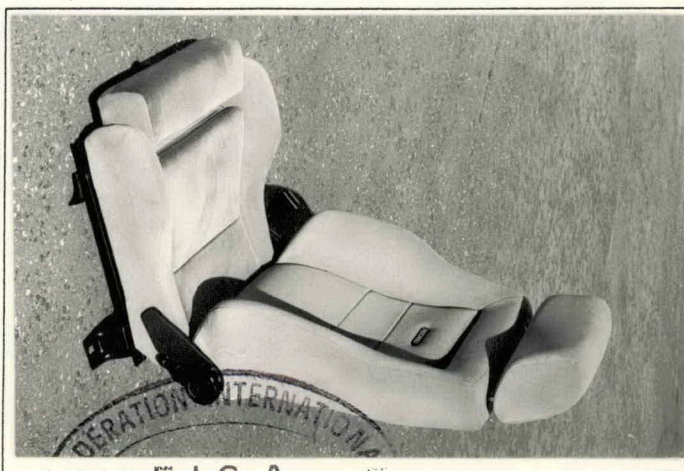
DD) Roue nue (vue de 3/4)
 Bare wheel (3/4 view)

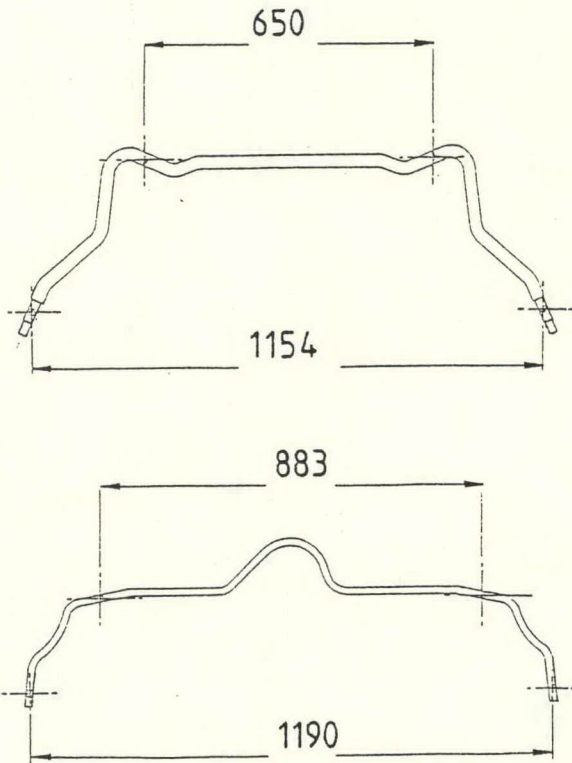


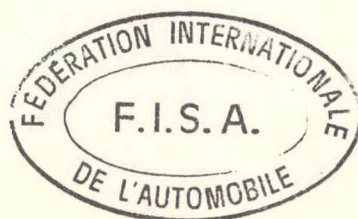
EE) Roue de secours dans son emplacement
 Spare wheel in its location

Carrosserie / Bodywork

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



Page ou ext. Page or ext.	Art. Art.	Description Description
5	334	Suralimentation/Boost Pressure For an opening of 0.38 mm, corresponding pressure is 0.420 bar $\pm$ 0.1 bar in the diaphragm unit.
3	326	Manufacturing requirement dictates that camshaft base circle radius (Dim A/2) can be reduced by up to 1.5mm. This produces a corresponding reduction in Dim B; without altering in any way the cam lift curve as detailed in 326d.
8	706	Stabilizer bar  Tol. = $\pm$5mm





FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

N5370

Extension N°

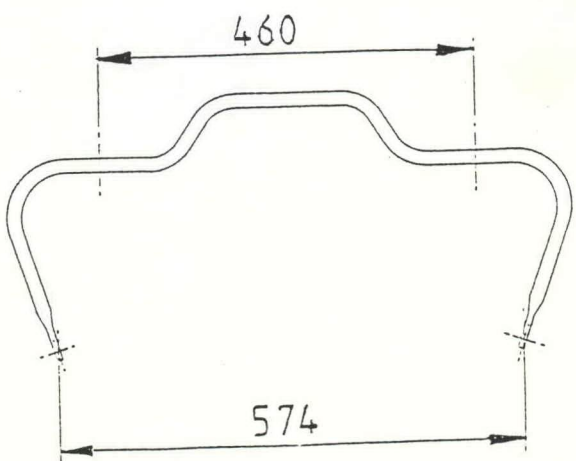
02 / 01 ER

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 _____ en groupe _____
Homologation valid as from 01 AVR. 1989 in group N

Constructeur _____ Modèle et type _____
Manufacturer FORD Model and type SIERRA COSWORTH (4 doors)

Page ou ext. Page or ext.	Art. Art.	Description Description
01/01 VF	706	Stabilizer bar. Rear, alternative construction. Bar dia (Art 706b) = 16 mm  Tolerance, all stabilizer bars $\pm 5\text{mm}$



N12



FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

N 5370

Extension N°

03 / 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 1 October 1990 en groupe N
Homologation valid as from in group

Constructeur FORD Modèle et type SIERRA COSWORTH (4 DOORS)
Manufacturer Model and type

Page ou ext. Page or ext.	Art. Art.	Description Description
N2	317f	Volume of Bowl in Piston = 16.25 cc $\pm$ 0.5 cc: was quoted as 0,8 cc, (volume above top ring).

