

Gruppe **A/B**  
 Group

**Testblatt nach Anhang J des Internationalen Automobil-Sportgesetzes**  
 Homologation form in accordance with appendix J of the international sporting code

Homologation gültig ab 01 OCT. 1988  
 Homologation valid as from

in Gruppe A  
 in group

Foto A  
 Photo A

Foto B  
 Photo B



**1. Definitionen**  
 Definitions

101. Hersteller General Motors Europe  
 Manufacturer

102. Handelsbezeichnung — Typ und Modell Opel Kadett-E GSI 16V / Vauxhall Astra-E GTE 16V  
 Commercial name(s) — Type and model

103. Gesamthubraum 1998 ccm  
 Cylinder capacity

104. Art der Konstruktion  
 Type of car construction

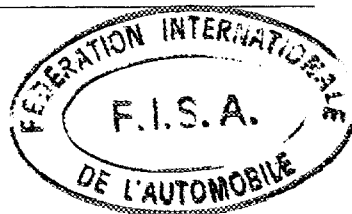
getrennt, Material des Chassis  
 Separate material of chassis

selbsttragend, Material der Karosserie Stahl / Steel  
 Unitary construction

105. Anzahl der Volumina 2  
 Number of volumes

106. Anzahl der Sitzplätze 5  
 Number of places

Unterschrift und Stempel  
 der Nationalen Sporthoheit  
 Signature and stamp  
 of national sporting authority



Unterschrift und Stempel  
 der FISA  
 Signature and stamp  
 of FISA

Marke General Motors Europe  
Make

Modell Opel Kadett E GSI 16V  
Model Vauxhall Astra E GTE 16V

Homologation Nr. A-5369  
Homologation Nr.

## 2. Abmessungen — Gewichte

Dimensions — weights

202. Länge über alles 3998 mm ± 1 %  
Overall length

203. Breite über alles 1663 mm ± 1 % Meßpunkt An den Türen/at the doors  
Overall width Where measured

204. Karosseriebreite: a) Vorderradmitte 1632 mm ± 1 %  
Width of bodywork At front axle

b) Hinterradmitte 1654 mm ± 1 %  
At rear axle

206. Radstand: a) Rechts 2520 mm ± 1 % b) Links 2520 mm ± 1 %  
Wheelbase Right Left

209. Überhang: a) Vorne 755 mm ± 1 % b) Hinten 723 mm ± 1 %  
Overhang Front Rear

210. Entfernung „G“ (Lenkrad-hintere Trennwand) 1491 mm ± 1 %  
Distance „G“ (steering wheel — rear bulkhead)

## 3. Motor (Für Kreiskolbenmotor siehe Artikel 335 auf Nachtragsblatt)

Engine (In case of rotative engine see Article 335 on complementary form)

301. Einbauort und Lage des Motors Vorn quer/Front transversal 7,5° nach vorn/7,5° to the front  
Location and position of the engine

303. Arbeitsverfahren Viertakt/four stroke  
Cycle

304. Aufladung ja / nein; Typ \*/\*  
Supercharging yes/no; Type  
(Bei Aufladung siehe auch Artikel 334 auf Nachtragsblatt)  
(In case of supercharging see also Article 334 on complementary form)

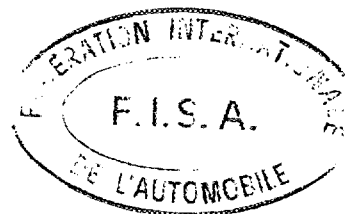
305. Anzahl und Anordnung der Zylinder 4 in Reihe/4-in-line  
Number and layout of the cylinders

306. Kühlsystem Flüssigkeitskühlung/Liquid cooling  
Cooling system

307. Hubraum: a) Pro Zylinder 499 \* 50 ccm b) Gesamt 1998 ccm  
Cylinder capacity a) Unitary Total

c) Maximal zulässiger Hubraum\* 1999 \* 63 ccm  
c) Maximum total allowed\*

\* (Diese Angabe gilt nicht für Gruppe N)  
\* (This indication is not to be considered in Group N)



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Homologation Nr. A-5369  
Homologation Nr.

312. Material des Zylinderblocks Guß / Cast Iron  
Cylinder block material:

313. Laufbuchsen: a)  ja / nein ja / nein  
Sleeves

c) Typ ./.  
Type

314. Bohrung 86,0 mm  
Bore

315. Maximal zulässige Bohrung 86,03 mm  
Maximum bore allowed

(Diese Angabe gilt nicht für Gruppe N)  
(This indication is not be considered in Group N)

316. Hub 86,0 mm  
Stroke

318. Pleuel: a) Material Stahl / Steel b) Art des Pleuelfußes Geteilt / split  
Connecting rod: a) Material: b) Big end type

c) Innerer Durchmesser des Pleuelfußes (ohne Lager) 52,6 mm  $\pm 1\%$   
Interior diameter of the big end (without bearings)

d) Länge zwischen den Achsen 143 mm ( $\pm 0,1$  mm) e) Mindestgewicht 610 g  
Length between the axes Minimum weight

319. Kurbelwelle: a) Herstellungsart Einteilig / Single piece  
Crankshaft: type of manufacture

b) Material Guß / Cast iron  
Material:

c)  gegossen /  geschmiedet  
moulded / stamped

d) Anzahl der Kurbelwellen-Hauptlager 5  
Number of bearings

e) Art der Kurbelwellen-Hauptlager Gleitlager / Slide bearing  
Type of bearings

f) Durchmesser der Kurbelwellen-Hauptlager 58 mm  $\pm 0,2\%$   
Diameter of bearings

g) Material der Lagerdeckel Guß / Cast iron  
Bearing caps material

h) Mindestgewicht der Kurbelwelle (allein) 14 500 g  
Minimum weight of the bare crankshaft

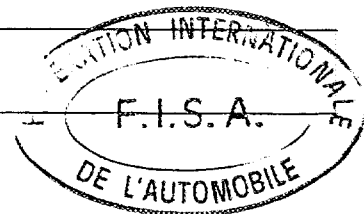
320. Schwungrad: a) Material Guß / Cast iron  
Flywheel: Material

b) Mindestgewicht mit Anlaßzahnkranz 5 840 g  
Minimum weight of the flywheel: with starter ring

321. Zylinderkopf: a) Anzahl der Zylinderköpfe 1 b) Material Leichtmetall / light alloy  
Cylinderhead: Number of cylinderheads Material:

323. Kraftstoffzufuhr durch Vergaser: a) Anzahl der Vergaser ./.  
Fuel feed by carburettor(s): Number of carburettors

b) Typ ./. c) Marke und Modell ./.  
Type Marke and model



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Model

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- d) Anzahl der Gemischdurchlässe je Vergaser . / .  
Number of mixture passages per carburettor
- e) Maximaler Durchmesser der Gemischöffnung am Vergaserausgang . / . mm  
Maximum diameter of the flange hole of the carburettor exit port
- f) Durchmesser des Lufttrichters am engsten Punkt . / . mm  
Diameter of the venturi at the narrowest point

324. Kraftstoffzufuhr durch Einspritzung  
Fuel feed by injection

a) Hersteller GME / Bosch  
Manufacturer

b) Modell des Einspritzsystems Elektronik / Electronic  
Model of injection system

c) Art der Kraftstoffdosierung  mechanisch  elektronisch  hydraulisch  
Kind of fuel measurement mechanical electronic hydraulic

c1) Kolbenpumpe  ja /  nein  
Piston pump yes/no

c2) Luftvolumenmessung  ja /  nein  
Measurement of air volume yes/no

c3) Luftmassenmessung  ja /  nein  
Measurement of air mass yes/no

c4) Luftgeschwindigkeitsmessung  ja /  nein  
Measurement of air speed yes/no

c5) Luftdruckmessung  ja /  nein  
Measurement of air pressure yes/no

Welcher Druck wird zur Messung herangezogen? \_\_\_\_\_ bar  
Which pressure is taken for measurement?

d) Abmessungen der Drosselklappe(n) oder der/des Schieber(s) Major 64 ± 0,3 / minor 25 ± 0,3 mm  
Effective dimensions of measure position in the throttle area

e) Anzahl der effektiven Kraftstoffauslässe 4  
Number of effective fuel outlets

f) Lage der Einspritzventile  Saugrohr  Zylinderkopf  
Position of injection valves Inlet manifold Cylinderhead

g) Teile des Einspritzsystems, die zur Kraftstoffdosierung dienen: Luftmassenmesser, Steuergerät  
Statement of fuel measuring parts of injection system  
Air mass meter, injection valves, control unit

325. Nockenwelle: a) Anzahl 2 b) Lage OHC  
Camshaft Number Location

c) Art des Antriebs Zahnriemen/Tooth belt d) Anzahl der Lager pro Nockenwelle 5  
Driving system Number of bearings for each shaft

f) Art der Ventilbetätigung Tassenstößel / Bucket tappets  
Type of valve operation

326. Steuerung: e) Maximaler Ventilhub 9,5 mm Einlaß 9,5 mm Auslaß 9,5 mm  
Timing Maximum valve lift Inlet Exhaust

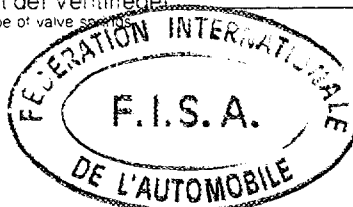
Mit einem Spiel von 0 mm 0 mm  
With clearance

327. Einlaß: a) Material des Ansaugkrümmers Leichtmetall / Light Alloy  
Inlet Material of the manifold

b) Anzahl der Ansaugkrümmerelemente 1 c) Anzahl der Ventile pro Zylinder 2  
Number of manifold elements Number of valves per cylinder

d) Maximaler Durchmesser der Ventile 33,1 mm e) Durchmesser des Ventilschafts 6,92 ± 0,2 mm  
Maximum diameter of the valves Diameter of the valve stem

f) Länge des Ventils 105,0 ± 1,5 mm g) Art der Ventilsfeder Schraubenfeder/coilspring  
Length of the valve Type of valve spring



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Homologation Nr. A-5369  
Homologation Nr.

328. Auslaß: a) Material des Auslaßkrümmers Stahl / Steel  
Exhaust: Material of the manifold

b) Anzahl der Auslaßkrümmerelemente 1 d) Anzahl der Ventile pro Zylinder 2  
Number of manifold elements Number of valves per cylinder

e) Maximaler Durchmesser der Ventile 29.1 mm f) Durchmesser des Ventilschafts 6,91<sup>±</sup> 0.2 mm  
Maximum diameter of the valves Diameter of the valve stem

g) Länge des Ventils 105.0<sup>±</sup> 1.5 mm h) Art der Ventiltfeder Schraubenfeder/Coil spring  
Length of the valve Type of valve springs

330. Zündanlage: a) Art Zündspule mit Verstärker / Coil and Amplifier  
Ignition system: Type

b) Anzahl der Kerzen pro Zylinder 1 c) Anzahl der Verteiler 1  
Number of plugs per cylinder Number of distributors

333. Schmiersystem: a) Art Naßsumpf/Wet sump b) Anzahl der Ölpumpen 1  
Lubrication system: Type Number of oil pumps

#### 4. Kraftstoffanlage Fuel circuit

401. Tank: a) Anzahl 1 b) Lage unterhalb der Rücksitzwanne /  
Fuel tank: Number Location underneath rear seat pan

c) Material Stahl / Steel d) Maximaler Inhalt 52 Liter  
Material Maximum capacity litre

#### 5. Elektrische Ausrüstung Electrical equipment

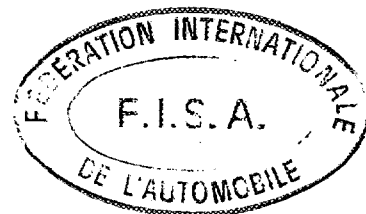
501 Batterie(n): a) Anzahl 1  
Battery(ies): Number

#### 6. Kraftübertragung Drive

601. Antriebsräder:  vorn  hinten  
driving wheels: front rear

602. Kupplung: b) Art der Betätigung Seilzug / Bowden cable  
Clutch: Drive system

c) Anzahl der Scheiben 1  
Number of plates



Vauxhall Astra E GTE 16V

Motorraum/Engine Compartment

603 Getriebe: a) Lage \_\_\_\_\_  
Gear-box Location

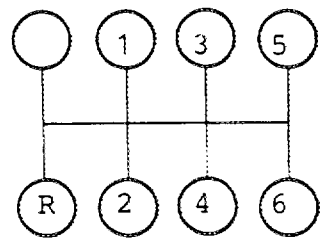
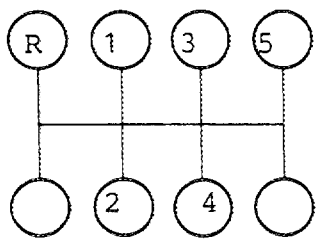
b) Manuelles Getriebe, Marke GM/X Trac c) Automatisches Getriebe, Marke \_\_\_\_\_  
„Manual“ make „Automatic“ make

d) Anordnung des Gangschalthebeis Tunnel/Tunnel  
Location of the gear lever

e) Übersetzungen  
Ratios

	Handschtaltung <small>Manual</small>			Automatik <small>Automatic</small>			6-Gang/6 Speed <small>Additional G.B.</small>		
	Über- setzungen <small>ratio</small>	Anzahl der Zähne <small>number of teeth</small>	synchro.	Über- setzungen <small>ratio</small>	Anzahl der Zähne <small>number of teeth</small>	synchro.	Über- setzungen <small>ratio</small>	Anzahl der Zähne <small>number of teeth</small>	synchro.
1	3.55	39:11	X				2.80	42:15	
2	2.16	41:19	X				2.17	39:18	
3	1.48	34:23	X				1.85	37:20	
4	1.13	35:31	X				1.59	35:22	
5	0.89	31:35	X				1.38	33:24	
Rück- wärts <small>R</small>	3.33	$\frac{27}{12} \times \frac{40}{27}$					1.18	33:28	
Kon- stante <small>Con- stant</small>							R 3.00	$\frac{16}{14} \times \frac{42}{16}$	

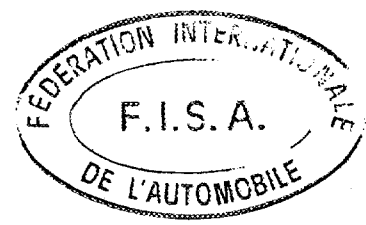
f) Schalt-Schema  
Gear change gate



604. Schnellgang: a) Art ./.  
Overdrive Type

b) Übersetzung ./. c) Anzahl der Zähne ./.  
Ratio Number of teeth

d) Vorwärtsgänge, zu denen der Schnellgang zugeschaltet werden kann \_\_\_\_\_  
Usuable with the following gears



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Homologation Nr. A - 5369  
 Homologation Nr.

605. Antriebsachse  
 Final drive

	Vorn Front	Hinten Rear
a) Art des Achsantriebs Type of final drive	<u>Stirnräder/Spur gear</u>	<u>./.</u>
b) Übersetzungsverhältnis Ratio	<u>3.55</u>	<u>./.</u>
c) Anzahl der Zähne Number of teeth	<u>71:20</u>	<u>./.</u>
d) Art des Sperrdifferentials (wenn vorhanden) Type of differential limitation (if provided)	<u>./.</u>	<u>./.</u>

e) Übersetzungsverhältnis des Verteilergetriebes  
 Ratio of the transfer box ./.

606. Art der Gelenkwelle Gleichlaufgelenkwellen/Constant velocity joint shafts  
 Type of transmission shaft

**7. Radaufhängung**  
 Suspension

McPherson Einzelradaufhängung  
McPherson independant wheels

701. Art der Radaufhängung: a) Vorn  
 Type of suspension: Front

b) Hinten Einzelradaufhängung/Independant wheels  
 Rear

702. Schraubenfedern:  
 Helicoidal springs

Vorn: ja / nein  
 Front: ~~yes~~ / ~~no~~ xxx

Hinten: ja / nein  
 Rear: ~~yes~~ / ~~no~~ xxx

703. Blattfedern:  
 Leaf springs

Vorn: ~~ja~~ / nein  
 Front: ~~yes~~ / ~~no~~ xx

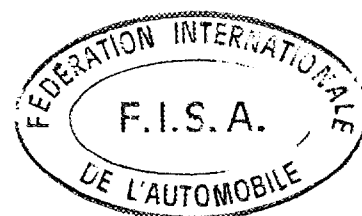
Hinten: ~~ja~~ / nein  
 Rear: ~~yes~~ / ~~no~~ xx

704. Drehstab:  
 Torsion bar

Vorn: ~~ja~~ / nein  
 Front: ~~yes~~ / ~~no~~ xxx

Hinten: ~~ja~~ / nein  
 Rear: ~~yes~~ / ~~no~~ xx

705. Andere Arten der Radaufhängung: s. Bild / Zeichnung auf Seite 15  
 Other type of suspension: See photo or drawing on page 15



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 Model Vauxhall Astra-E GTE 16V

Homologation Nr. A-5369  
 Homologation N°

707. Stoßdämpfer  
 Shock absorbers

Vorn Front	Hinten Rear
1	1
Teleskop / Telescopic	Teleskop / Telescopic
Hydraulisch/Hydraulic	Hydraulisch/Hydraulic

- a) Anzahl je Rad  
 Number per wheel
- b) Art  
 Type
- c) Funktionsprinzip  
 Working principle

8. Fahrwerk  
 Running gear

801. Räder:  
 Wheels: a) Durchmesser Vorn 14 "/ 355,6 mm Hinten 14 "/ 355,6 mm  
 Diameter Front Rear

803. Bremsen:  
 Brakes: a) Bremssystem Zweikreis, hydraulisch / Dual circuit, hydraulic  
 Braking system

b) Anzahl der Hauptzylinder 1 Tandem b1) Bohrung 22,22 x 2 mm  
 Number of master cylinders Bore

c) Servo-Bremse ja / ~~nein~~ c1) Marke und Art Ate/Delco, Vacuum  
 Power: assisted brakes yes/no Make and type

d) Bremskraftregler ja / ~~nein~~ d1) Lage im Hauptbremszylinder / in master cylinder  
 Braking adjuster yes/no Location

e) Anzahl der Zylinder je Rad  
 Number of cylinders per wheel

1) Bohrung 52,0 mm 35,0 mm  
 Bore

f) Trommelbremsen  
 Drum brakes

1) Innendurchmesser •/• mm (± 1,5 mm) •/• mm (± 1,5 mm)  
 Interior diameter

2) Anzahl der Bremsbacken je Rad •/• •/•  
 Number of shoes per wheel

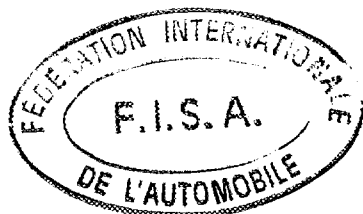
3) Bremsfläche •/• qcm •/• qcm  
 Braking surface

4) Breite der Bremsbeläge •/• mm •/• mm  
 Width of the shoes

g) Scheibenbremsen  
 Disc brakes

1) Anzahl der Bremsbeläge je Rad 2 2  
 Number of pads per wheel

2) Anzahl der Sättel je Rad 1 1  
 Number of calipers per wheel





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Homologation Nr. A-5369  
 Homologation Nr.

	Vorn Front	Hinten Rear
3) Material der Bremssättel Caliper material:	<u>Guß / cast iron</u>	<u>Guß / cast iron</u>
4) Maximale Dicke der Scheibe Maximum disc thickness	<u>24 ± 1,0</u> mm	<u>10 ± 1,0</u> mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	<u>256</u> mm (± 1 mm)	<u>260</u> mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	<u>256 ± 1,5</u> mm	<u>260 ± 1,5</u> mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	<u>168 ± 1,5</u> mm	<u>./.</u> <u>159 ± 1,5</u> mm
8) Länge der Beläge über Allies Overall length of the shoes	<u>98,4 ± 1,5</u> mm	<u>61,8 ± 1,5</u> mm
9) Belüftete Scheiben Ventilated disc	<u>ja / <del>nein</del></u> <u>yes/<del>no</del></u>	<u><del>ja</del> / nein</u> <u><del>yes</del>/no</u>
10) Bremsfläche je Rad Braking surface per wheel:	<u>586</u> qcm	<u>./.</u> <u>665</u> qcm

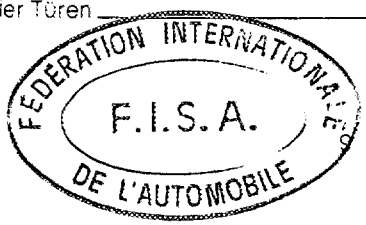
h) Feststellbremse am Tunnel/at the tunnel  
 Parking brake  
 1) Betätigungssystem Seilzug/Bowden cable  
 Command system  
 2) Lage des Bremshebels am Tunnel/at the tunnel  
 Location of the lever  
 3) Wirkung auf die Räder Vorn ~~XXXX~~ Hinten ~~XXXX~~  
 On which wheels

804. Lenkung: a) Art: Zahnstange / Rack  
 Type  
 b) Übersetzungsverhältnis 17,1 : 1  
 Ratio  
 c) Lenkhilfe ja / ~~nein~~  
 Power assisted yes/~~no~~

**9. Karosserie**  
 Bodywork

901 Innen: a) Belüftung ja / ~~nein~~  
 Interior yes/~~no~~  
 b) Heizung ja / ~~nein~~  
 Heating yes/~~no~~  
 f) Sonderausstattung Schiebedach ja / ~~nein~~  
 Sun roof optional yes/~~no~~  
 1) Art Stahl oder Glas/steel or glass  
 Type  
 2) Betätigungssystem Kurbel- oder Hebedach/ Crank or tilt sun roof  
 Command system Handkurbel oder elektrisch  
 g) Öffnungssystem der Seitenscheiben:  
 Opening system for the side windows  
 Vorn Manual crank or electric  
 Front  
 Hinten feststehend/rigid  
 Rear

902 Außen: a) Anzahl der Türen 2  
 Exterior Number of doors  
 b) Heckklappe ja / ~~nein~~  
 Rear tailgate yes/~~no~~  
 c) Material der Türen Stahl / steel  
 Door material  
 Vorn Stahl / steel  
 Front  
 Hinten ./.  
 Rear



- d) Material der Fronthaube Stahl/Steel  
Front bonnet material
- e) Material der Heckhaube/-klappe Stahl/Steel  
Rear bonnet / tailgate material
- f) Material der Karosserie Stahl und Kunststoff-Mod.PC/Steel and plastic-Mod.PC  
Bodywork material
- g) Material der Windschutzscheibe \_\_\_\_\_  
Windscreen material
- h) Material der Heckscheibe Sicherheitsglas/Safety glass  
Rear window material
- i) Material der hinteren Seitenscheiben Sicherheitsglas/Safety glass  
Rear quarter lights material
- k) Material der Seitenscheiben Sicherheitsglas/Safety glass  
Side window material  
 Vorn Sicherheitsglas/Safety glass  
front  
 Hinten Sicherheitsglas/Safety glass  
rear
- l) Material der vorderen Stoßstange Kunststoff-Mod.PC/Plastic-Mod.PC  
Material of the front bumper
- m) Material der hinteren Stoßstange Kunststoff-Mod.PC/Plastic-Mod.PC  
Material of the rear bumper

**Zusätzliche Informationen**  
Complementary informations

Zu/to 327 und/  
and 328

Winkel zwischen Ein und Auslaßventil: 46°  
Angle between inlet and outlet valves: 46°

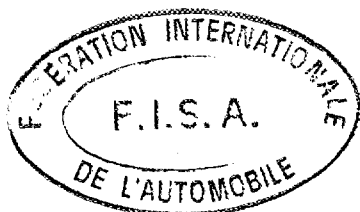
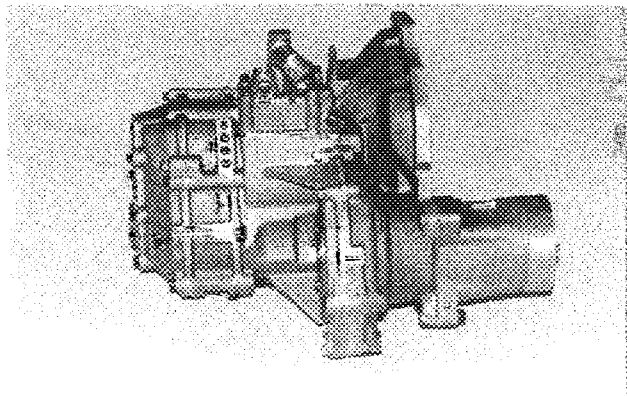
605b 2.55, 2.65, 2.74, 2.84, 2.94, 3.06, 3.18, 3.29, 3.44  
605c 51:20, 53:20, 52:19, 54:19, 53:18, 55:18, 54:17, 56:17, 55:16

605b 3.56, 3.73, 3.87, 4.07, 4.21  
57:16, 56:15, 58:15, 57:14, 59:14

Zusätzliches 6-Gang Getriebe / Additional 6-Speed gear box

603e Getriebegehäuse für Zusätzliches 6-Gang Getriebe  
Gearbox housing for additional 6-Speed gearbox

Photo 26



Marke General Motors Europe  
Modell

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Zusätzliche Informationen

Zu/To 902 F: Aus Kunststoff sind / Made of plastic are

Vorderer und hintere Stoßstange und Spoiler / Front  
and rear bumper and spoiler  
Heckspoiler / Rear spoiler  
Seitenspoiler/Side spoiler  
Einsätze in Motorhaube / Inserts in bonnet Photo 28

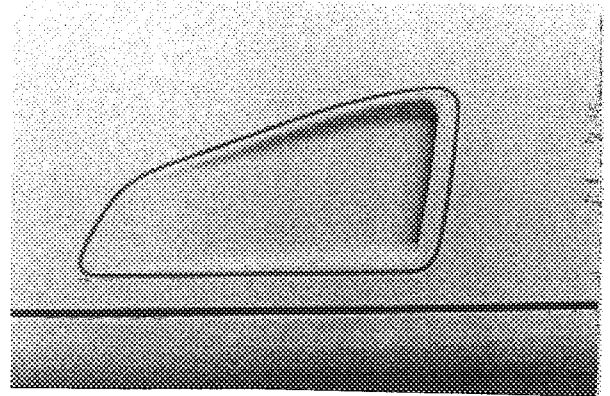
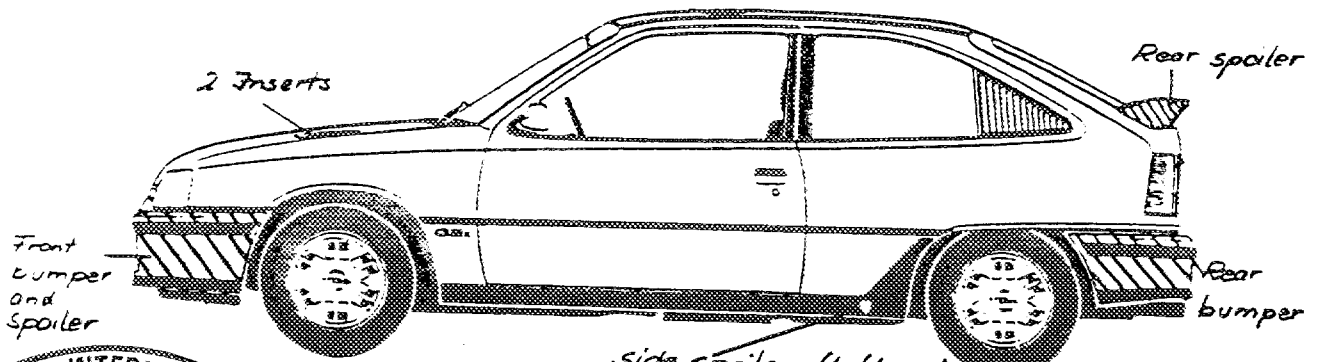
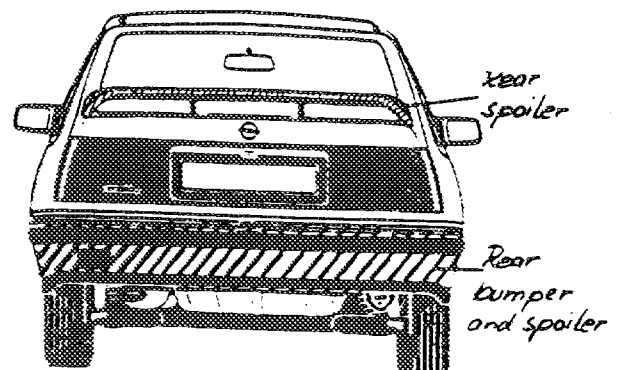
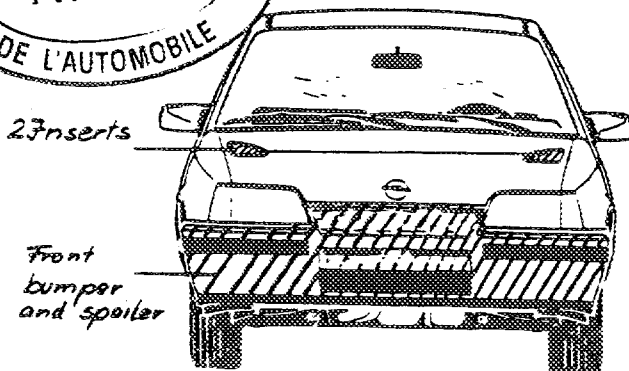
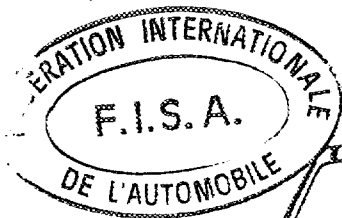


Photo 28



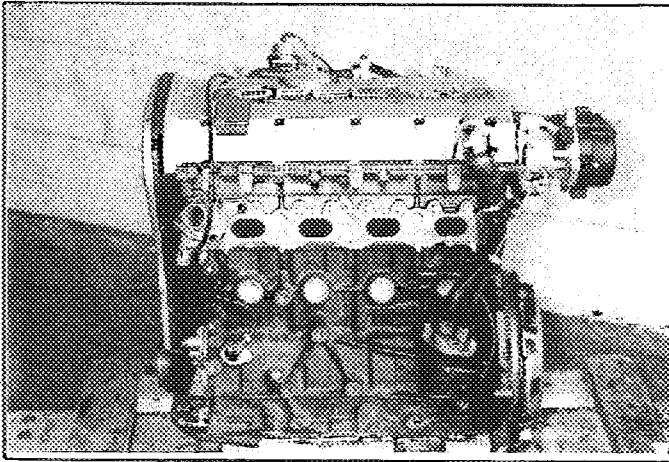
Made of plastic are:



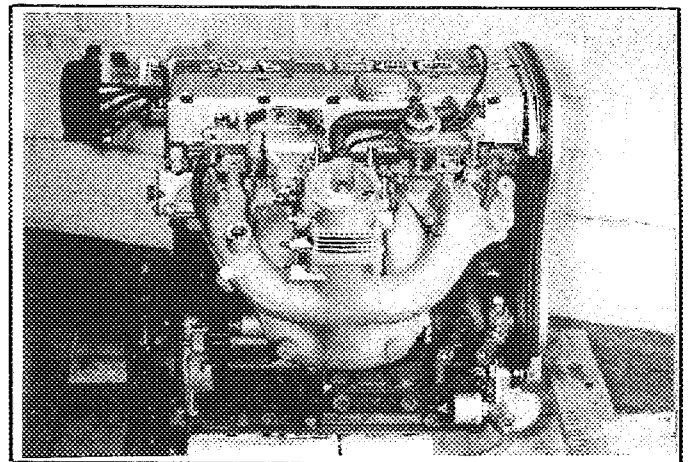
**Fotos**  
Photos

**Motor**  
Engine

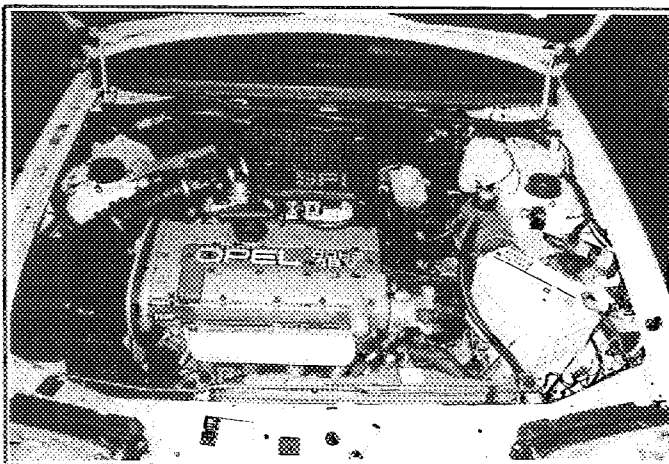
C) Rechte Seitenansicht Motor (ausgebaut)  
Right hand view of dismantled engine



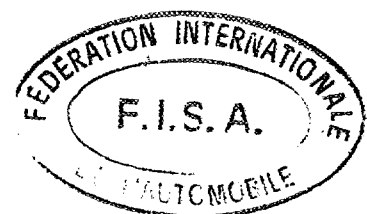
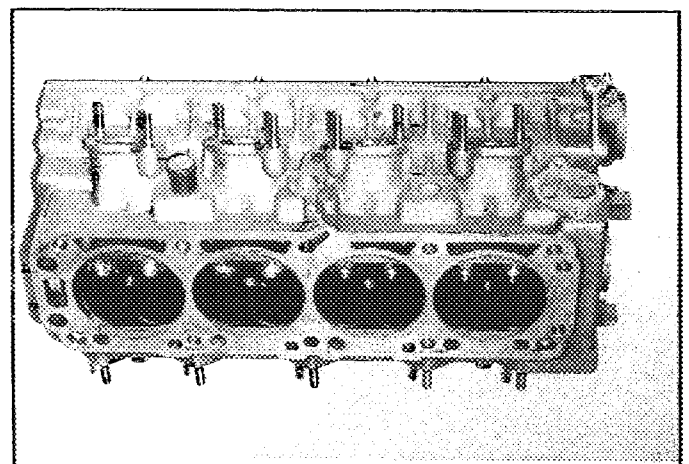
D) Linke Seitenansicht Motor (ausgebaut)  
Left hand view of dismantled engine



E) Motor im Motorraum  
Engine in its compartment



F) Zylinderkopf allein  
Bare cylinderhead

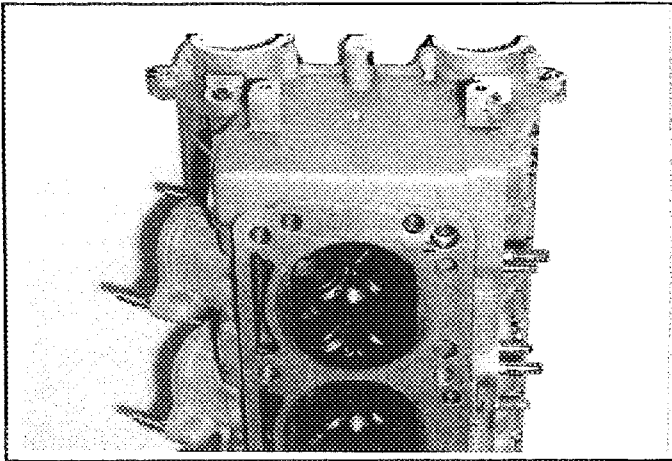


Marke General Motors Europe  
Make

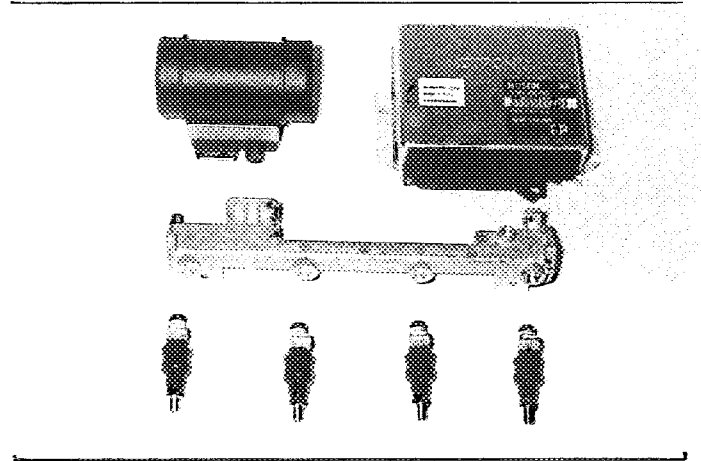
Modell Opel Kadett-E GSi 16V  
Mod: Vauxhall Astra-E GTE 16V

Homologation Nr. A-5369  
Homologation Nr.

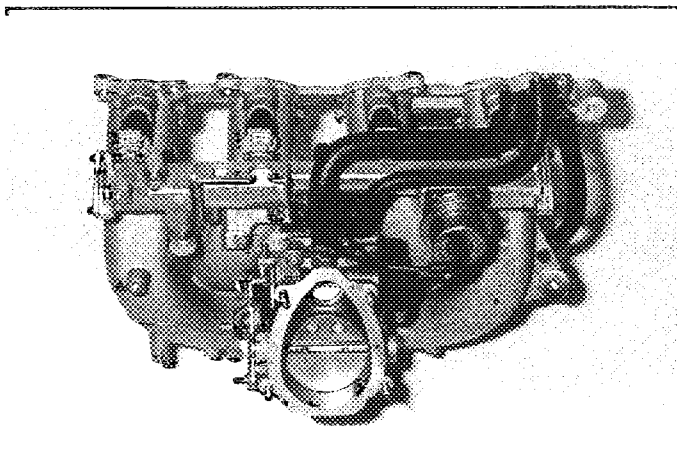
G) **Verbrennungsraum**  
Combustion chamber



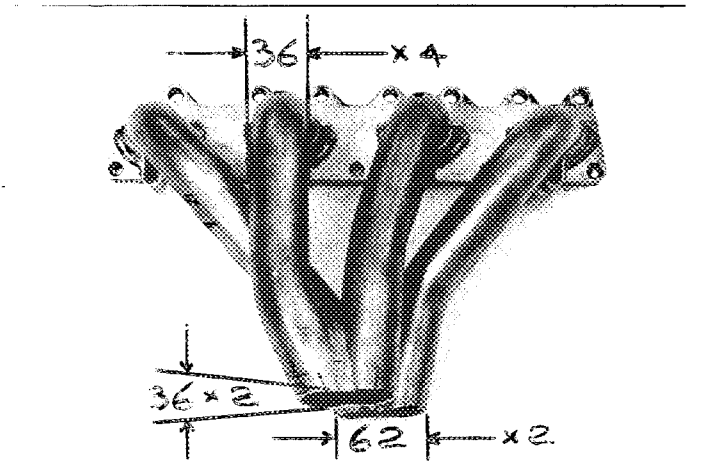
H) **Vergaser oder Einspritzsystem**  
Carburetor(s) or injection system



I) **Einlaßkrümmer**  
inlet manifold

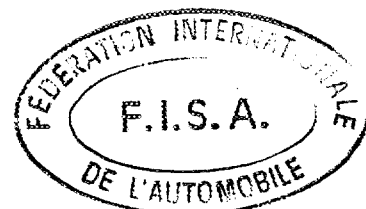
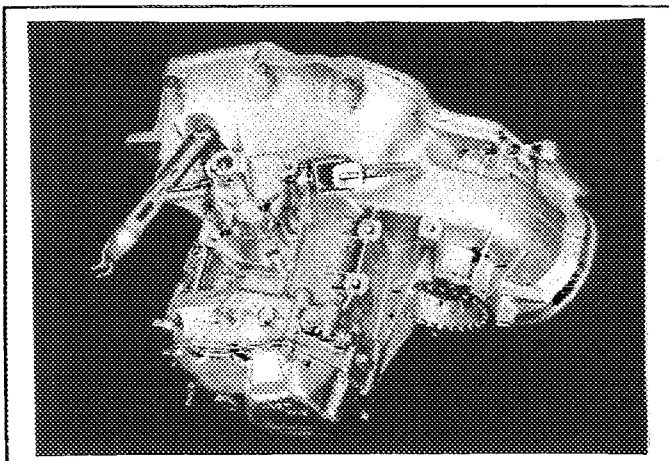


J) **Auspuffkrümmer**  
Exhaust manifold



**Getriebe**  
Transmission

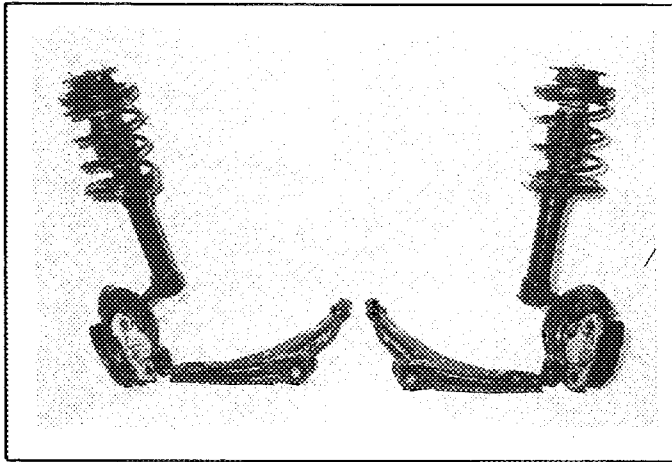
S) **Getriebegehäuse und Kupplungsglocke**  
Gearbox casing and clutch bellhousing



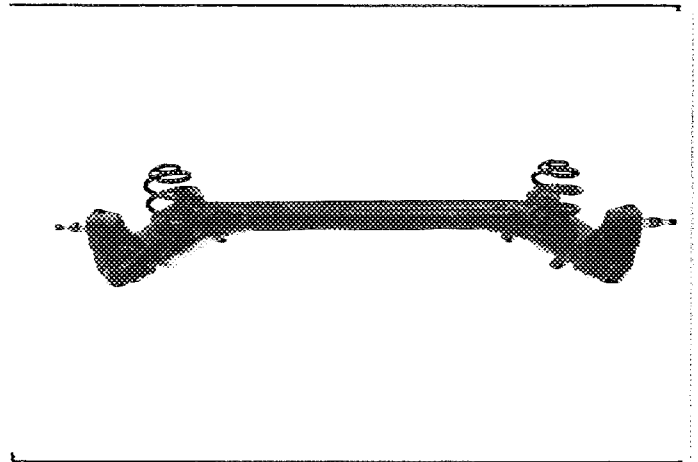
**Radaufhängung**

Suspension

T) Vorderachse vollständig ausgebaut  
Complete dismantled front running gear



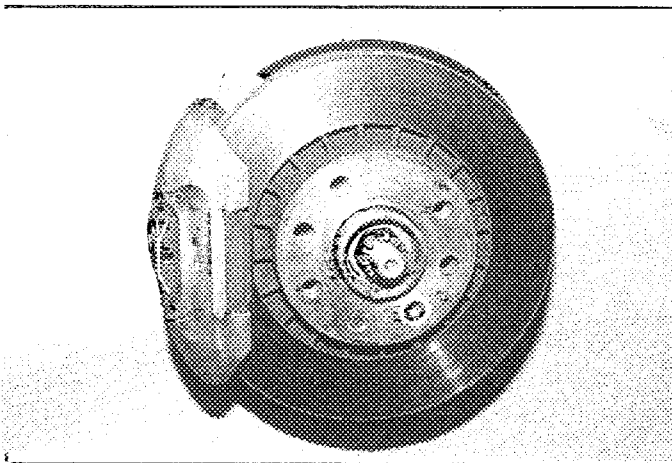
U) Hinterachse vollständig ausgebaut  
Complete dismantled rear running gear



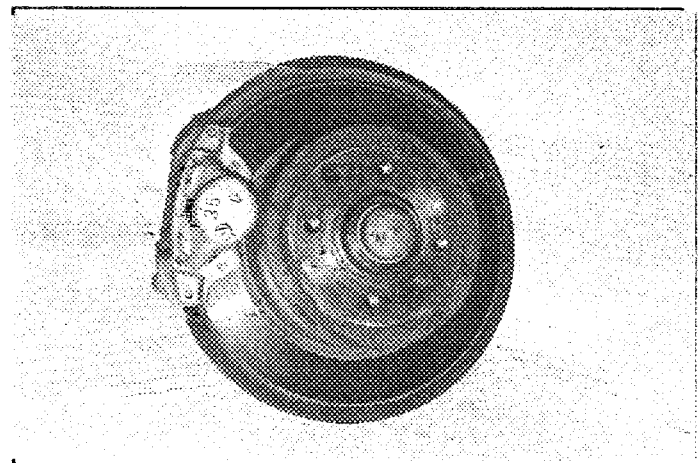
**Fahrwerk**

Running gear

V) Bremsen vorn  
Front brakes



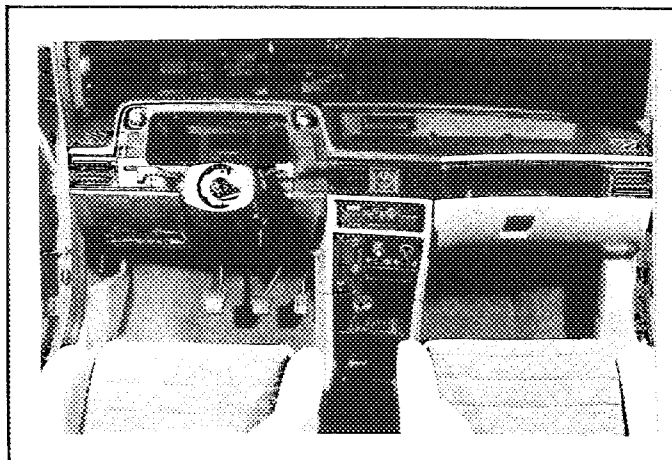
W) Bremsen hinten  
Rear brakes



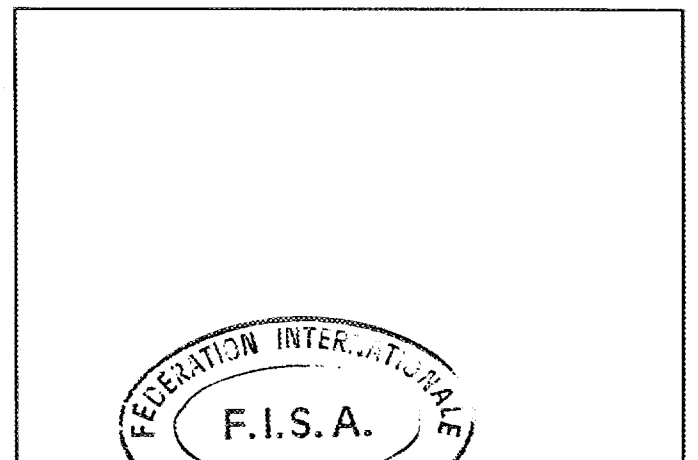
**Karosserie**

Bodywork

X) Armaturenbrett  
Dashboard



Y) Schiebedach  
Sunroof

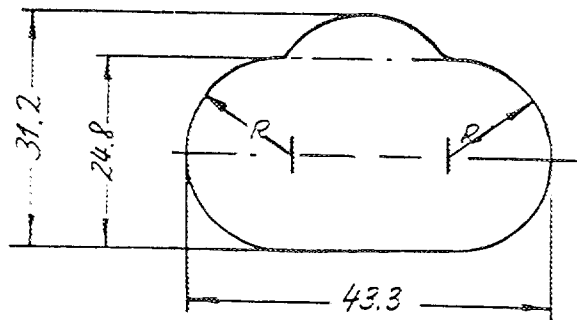


**Zeichnungen**  
Drawings

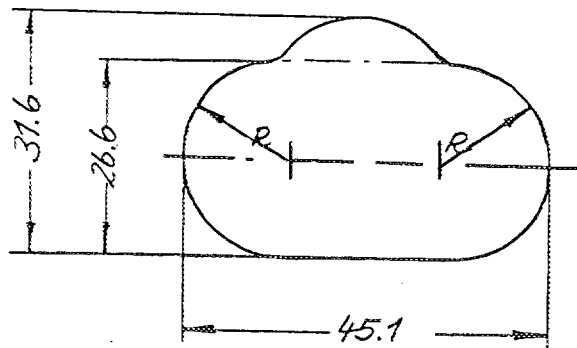
**Motor**  
Engine

All Maße in mm / All measurements in mm

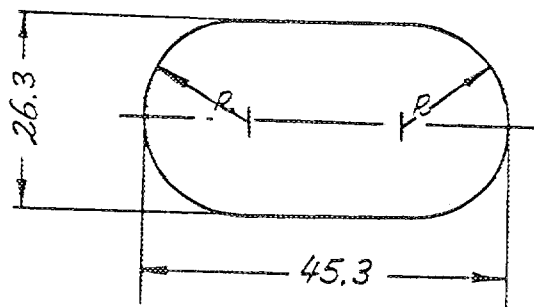
I. Einlaßöffnungen im Ansaugkrümmer (Abmessungstoleranzen: - 2 %, + 4 %)  
Cylinderhead inlet ports, manifold side — tolerances on dimensions: - 2 %, + 4 %



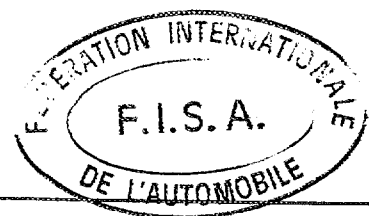
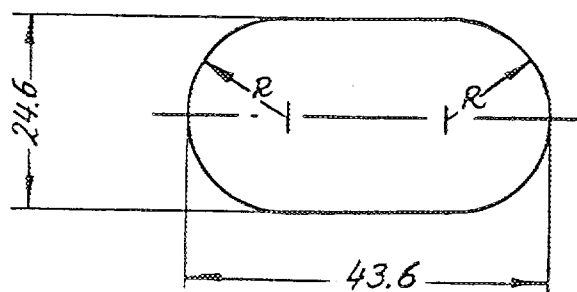
II. Einlaßöffnungen im Zylinderkopf (Abmessungstoleranzen: - 2 %, + 4 %)  
Inlet manifold ports, cylinderhead side — tolerances on dimensions: - 2 %, + 4 %



III. Auslaßöffnungen im Auspuffkrümmer (Abmessungstoleranzen: - 2 %, + 4 %)  
Cylinderhead exhaust ports, manifold side — tolerances on dimensions: - 2 %, + 4 %



IV. Auslaßöffnungen im Zylinderkopf (Abmessungstoleranzen: - 2 %, + 4 %)  
Exhaust manifold ports, cylinderhead side — tolerances on dimensions: - 2 %, + 4 %



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Make

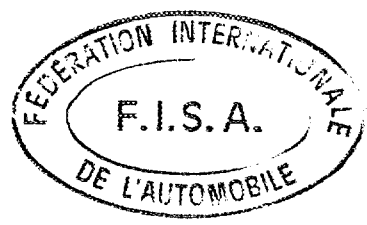
Modell Opel Kadett-E GSi 16V  
Model  
Vauxhall Astra-E GTE 16V

Homologation Nr. A-5369  
Homologation Nr.

**Radaufhängung**  
Suspension

XV. System der Radaufhängung gem. Art. 705 oder anstelle der Fotos T und U  
Suspension system according to article 705 or replacing photos T and U

~~1~~  
~~2~~



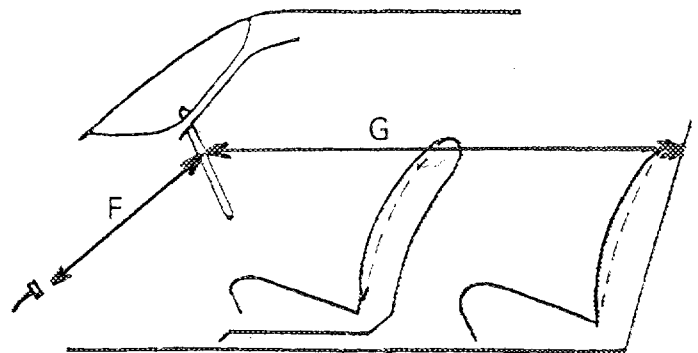
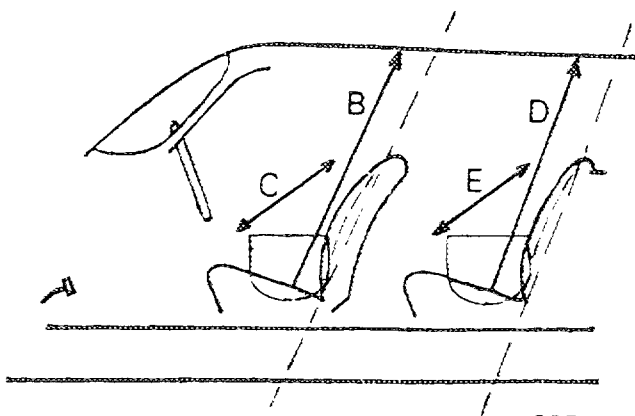


Gruppe **A/B**  
Group

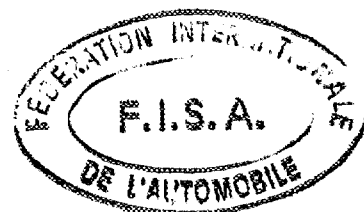
Marke General Motors Europe  
Make

Modell Opel Kadett-E GSi 16V  
Model  
Vauxhall Astra-E GTE 16V

Innenabmessungen gem. Homologationsbestimmungen  
Interior dimensions as defined by the Homologation Regulations



- B Höhe über den Vordersitzen 985 mm  
Height above front seats
- C Breite über den Vordersitzen 1360 mm  
Width at front seats
- D Höhe über den Rücksitzen 966 mm  
Height above rear seats
- E Breite über den Rücksitzen 1356 mm  
Width at rear seats
- F Abstand Lenkrad — Bremspedal 734 mm  
Steering wheel — brake pedal
- G Abstand Lenkrad — Hintere Trennwand 1491 mm  
Steering wheel — rear bulkhead
- H = F + G = 2225 mm



# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

**A - 5369**

Nachtrag Nr.  
Extension Nr.

**01 / 01 VO**

## Nachtrag zum offiziellen Testblatt der FISA

Form of extension to the official FISA-Homologation

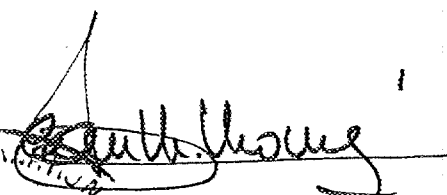

- ET** Normale Weiterentwicklung des Typs: ab Fahrgestell -Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number:
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

**01 OCT. 1988**

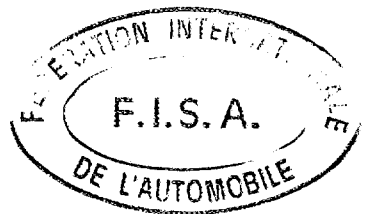
Homologation gültig ab: \_\_\_\_\_ in Gruppe: **A**  
Homologation valid as from: \_\_\_\_\_ in group

Hersteller: **General Motors Europe** Modell und Typ: **Opel Kadett-E GSI 16V**  
Manufacturer: \_\_\_\_\_ Model and type: **Vauxhall Astra-E GTE 16V**

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
	701	Verstärkter Lenker vorn unten mit Kugelgelenk und mit Auffangvorrichtung / Reinforced lower control arm with ball joint and with lift limiting device - Photo 1  Verstärktes Federbein, Geometrie unverändert / Reinforced strut, kinematic remains unchanged - Photo 2
	606	Verstärkte Antriebswellen mit Mittellager und größeren Gelenken / Reinforced drive shafts with center bearing and bigger joints - Photo 3

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
	803	<p>Bremsen / Brakes:</p> <p>c) wahlweise / optional : nein/no            d) wahlweise / optional : nein/no</p> <p>Adjustable dual circuit brake system /            Verstellbares Zweikreisbremssystem - Photo 4</p> <p>b) Anzahl der Zylinder / Number of cylinders: 2</p> <p>b1) Zylinder <math>\emptyset</math> / Cylinder <math>\emptyset</math></p> <p>15.87 mm or 20.57 mm            17.78 mm or 22.35 mm            19.05 mm or 23.81 mm            22.22 mm or 25.40 mm</p> <p>d) Hydraulic pressure limiting valve - adjustable            in passenger compartment / Hydraulisches Druck-            reglerventil - einstellbar - im Innenraum            - Photo 5</p> <p>h1) Hydraulisches Handbremse / Hydraulic hand brake            - Photo 6</p> <p>Cylinder <math>\emptyset</math> 14.85 mm oder/or            15.87 mm oder/or            17.78 mm oder/or            19.05 mm oder/or            22.22 mm oder/or</p>
	605	<p>Zusätzliche Achsübersetzungen/Additional final drives</p> <p>b) 4.50, 3.74, 3.94, 4.19, 4.2, 4.78, 4.85, 5.18</p> <p>c) 63:14,71:19,71:18,67:16,63:15,67:14,63:13,57:11</p>



Marke General Motors Europe  
Make

Modell Opel Kadett-E GSi 16V  
Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01/01V0  
Ext. Nr.

Photo 1

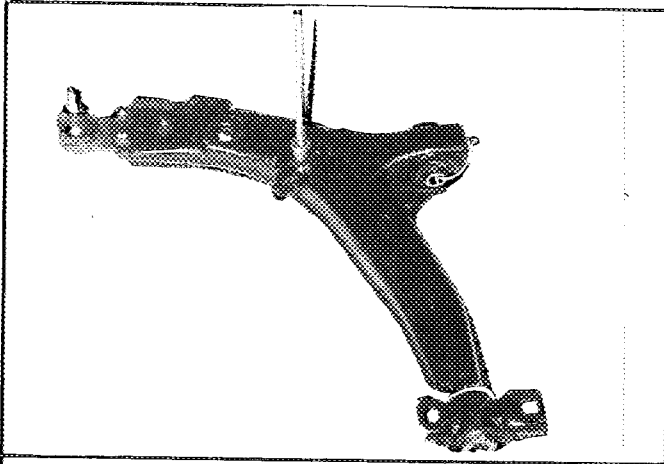


Photo 2

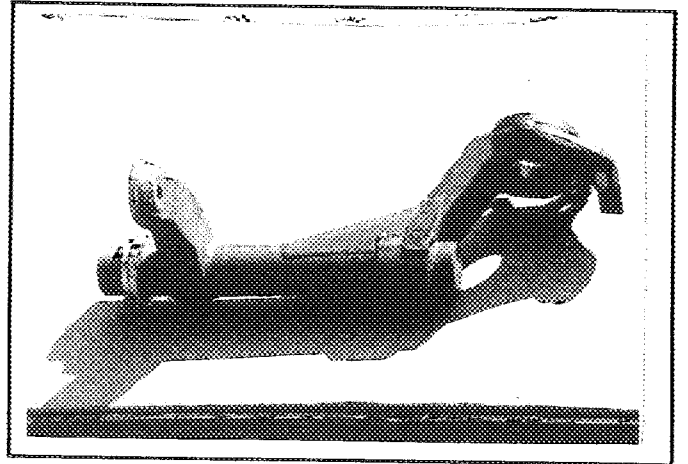


Photo 3

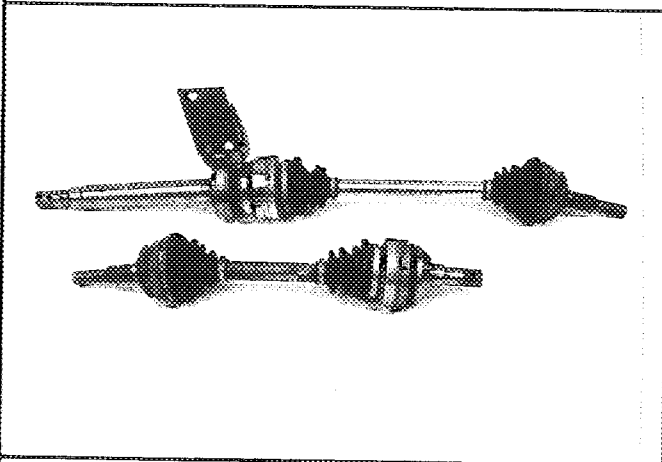


Photo 4

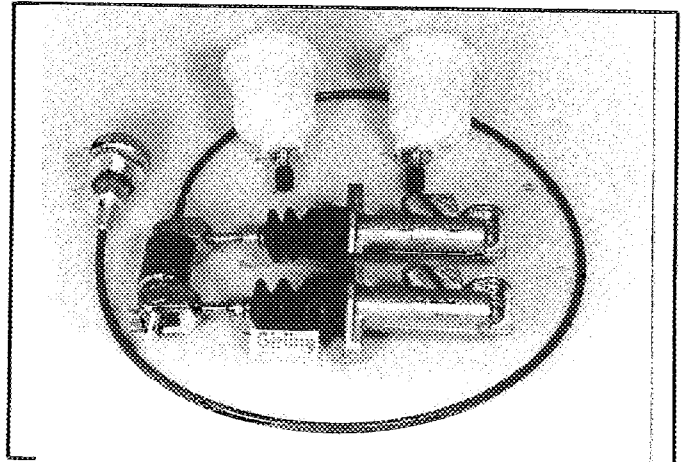


Photo 5

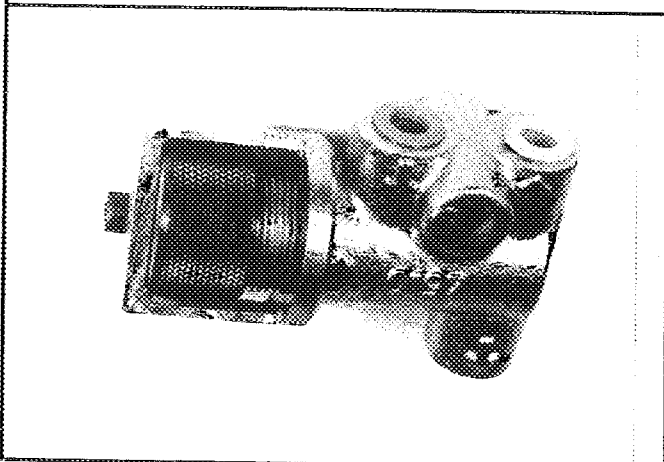
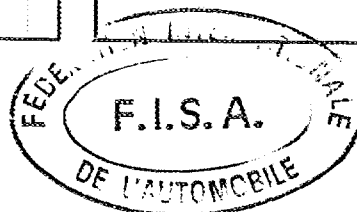
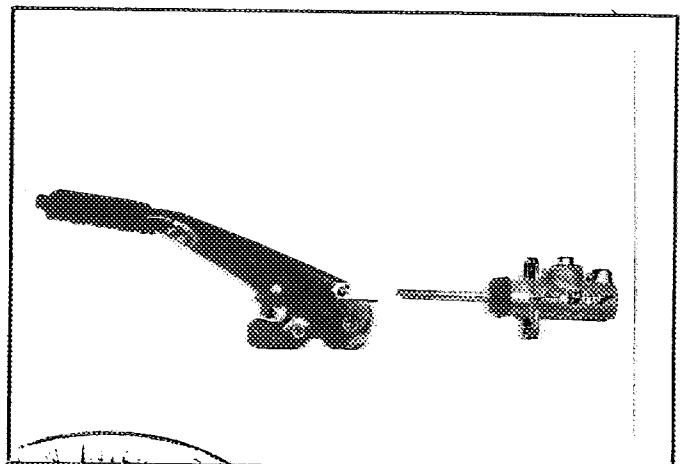


Photo 6



Marke General Motors Europe  
 Make

Modell Opel Kadett-E GSI 16V  
 Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
 Homologation Nr.

Nachtrag Nr. 01 / 01 V0  
 Ext. Nr.

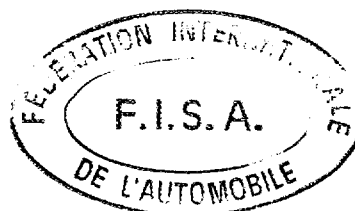
Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
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803. Bremsen:  
 Brakes.

	Vorn Front	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	<u>4</u>	<u>2</u>
1) Bohrung Bore	<u>38 or 42,8</u> mm	<u>42,8</u> mm
g) Scheibenbremsen Disc brakes	Photo 7	Photo 8
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	<u>2</u>	<u>2</u>
2) Anzahl der Sättel je Rad Number of calipers per wheel	<u>1</u> Photo 9	<u>1</u> Photo 10
3) Material der Bremssättel Caliper material	<u>Aluminium/light alloy</u>	<u>Aluminium/light alloy</u>
4) Maximale Dicke der Scheibe Maximum disc thickness	<u>25,4 or 28,0</u> mm	<u>20</u> mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	<u>290</u> mm (± 1 mm)	<u>250</u> mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	<u>289</u> mm	<u>249</u> mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	<u>187,0</u> mm	<u>162</u> mm
8) Länge der Beläge über Alles Overall length of the shoes	<u>98</u> mm	<u>63</u> mm
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> <del>yes</del> / <del>no</del>	<del>ja</del> / nein <del>yes</del> / <del>no</del>
10) Bremsfläche je Rad Braking surface per wheel	<u>762,28</u> qcm	<u>561,39</u> qcm

803 Bremssattel vorn - hinter Achsmittle /  
 Calliper front - behind center of axle

Photo 11



Marke General Motors Europe  
Make

Modell Opel Kadett-E GSI 16V  
Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01/01V0  
Ext. Nr.

Photo 7

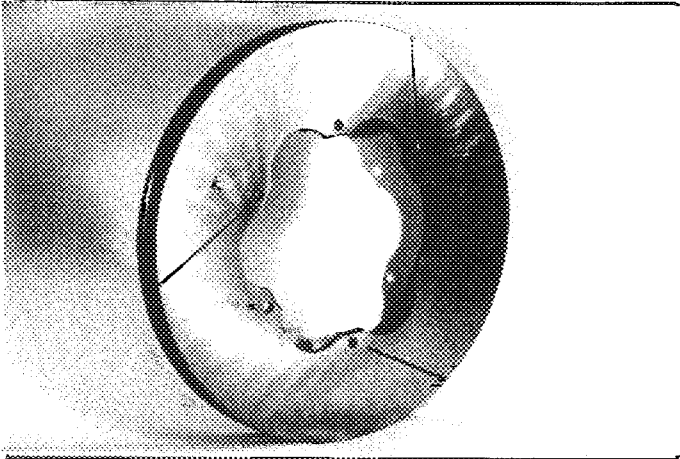


Photo 8

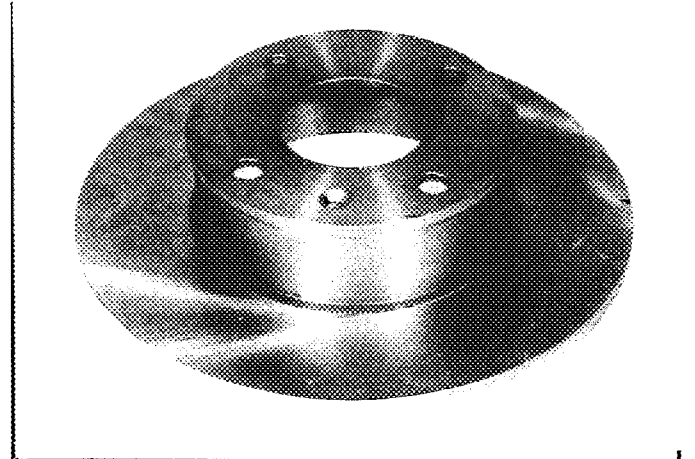


Photo 9

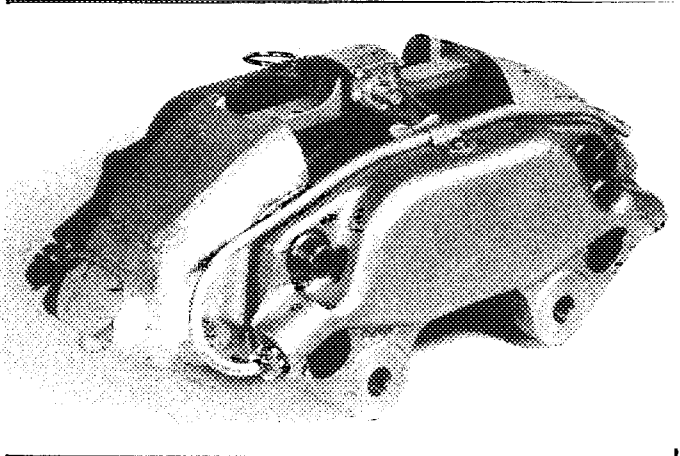


Photo 10

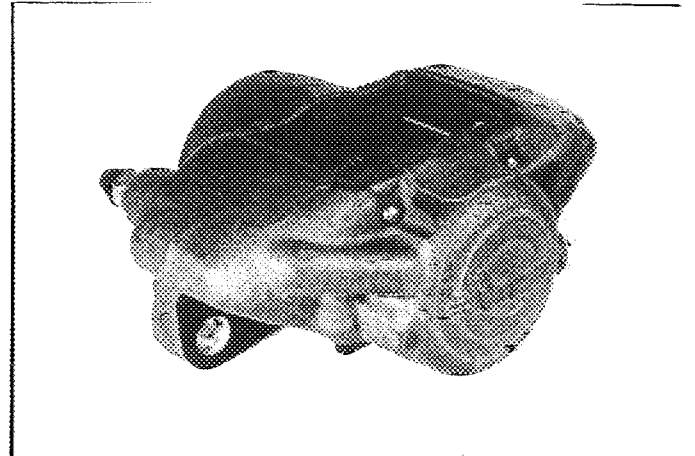
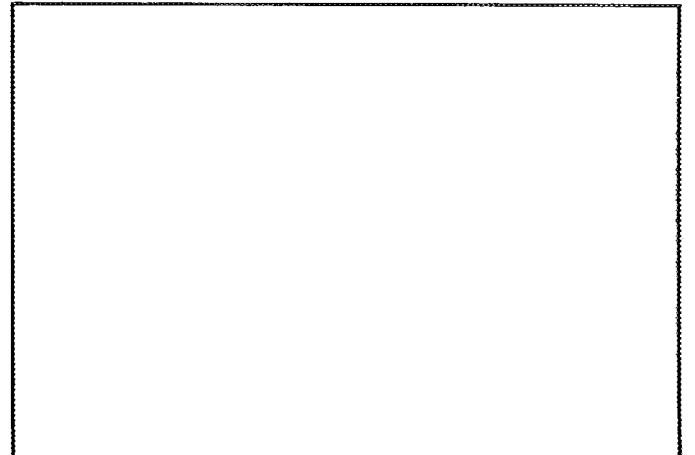
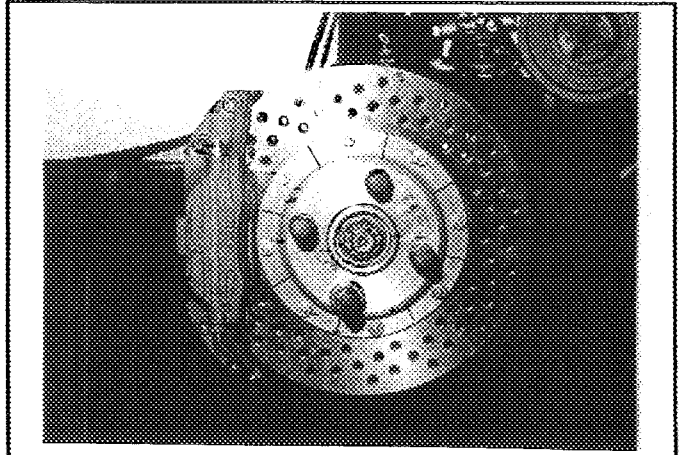


Photo 11



Marke General Motors Europe  
 Make

Modell Opel Kadett-E GSI 16V  
 Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
 Homologation Nr.

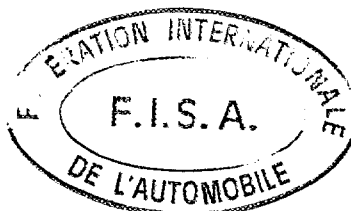
Nachtrag Nr. 01 / 01 V0  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
------------------------------------	-----------------	-----------------------------

803. Bremsen:  
Brakes

	Vorn Front	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	<u>4</u>	<u>2</u>
1) Bohrung Bore	<u>41.3 / 38.1</u> mm Photo 12	<u>36 / 32</u> mm Photo 13
g) Scheibenbremsen Disc brakes		
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	<u>2</u>	<u>2</u>
2) Anzahl der Sättel je Rad Number of calipers per wheel	<u>1</u> Photo 14	<u>1</u> Photo 15
3) Material der Bremssättel Caliper material	<u>Aluminium/light alloy</u>	<u>Aluminium/light alloy</u>
4) Maximale Dicke der Scheibe Maximum disc thickness	<u>25.4 or 28.2</u> mm	<u>9.5</u> mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	<u>290</u> mm (± 1 mm)	<u>251</u> mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	<u>290</u> mm	<u>250 ± 1.0</u> mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	<u>190</u> mm	<u>164</u> mm
8) Länge der Beläge über Alles Overall length of the shoes	<u>131</u> mm	<u>70</u> mm
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> yes/no	<del>ja</del> / nein no
10) Bremsfläche je Rad Braking surface per wheel	<u>754</u> qcm	<u>559</u> qcm

Hinterer Bremszylinder mit Handbrems -  
 betätigung / Rear brake caliper with hand  
 brake actuation - Photo 16



Marke General Motors Europe  
Make

Modell Opel Kadett-E GSI 16V  
Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01/01V0  
Ext. Nr.

Photo 12

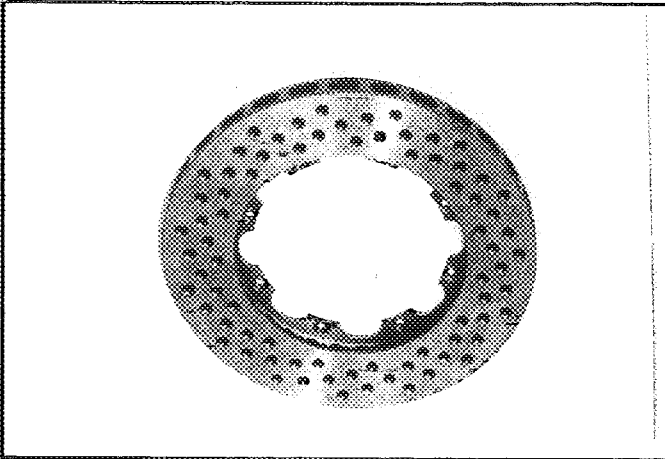


Photo 13

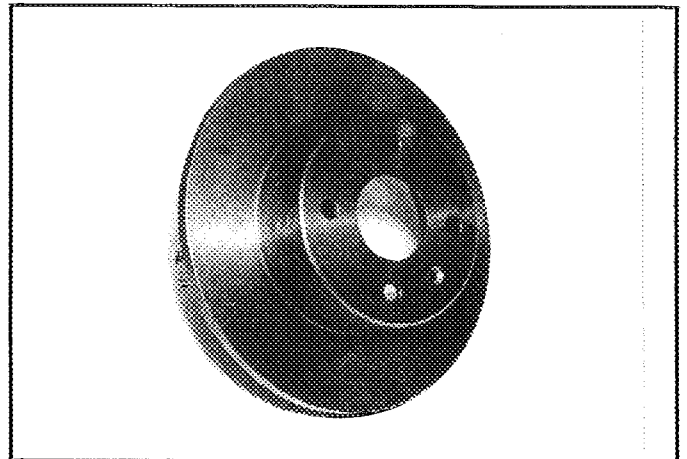


Photo 14

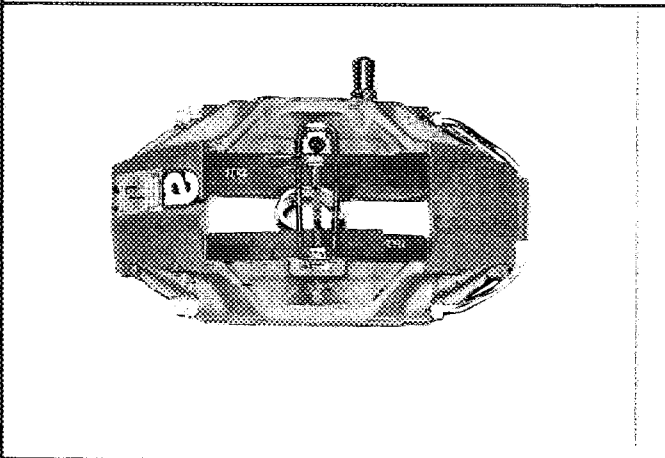


Photo 15

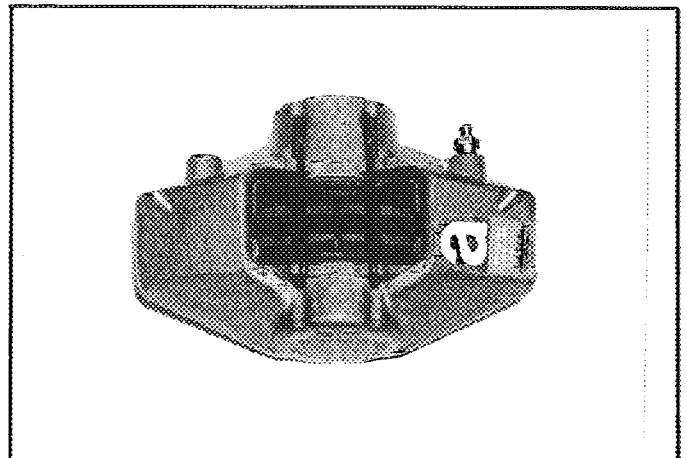
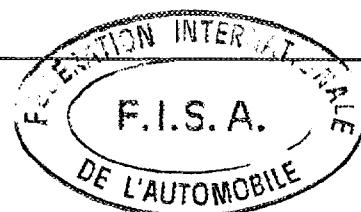
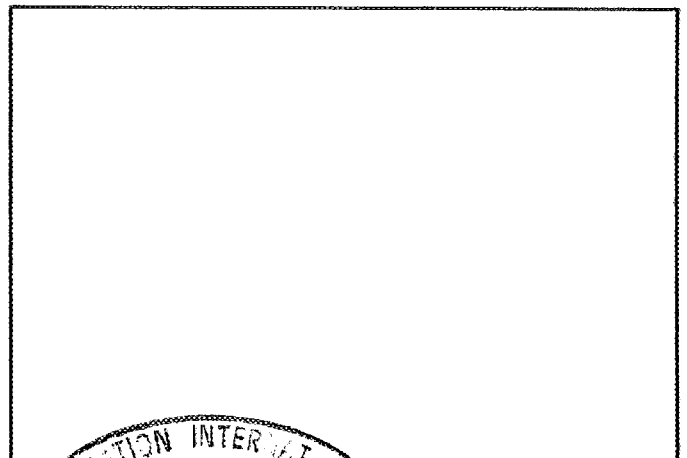
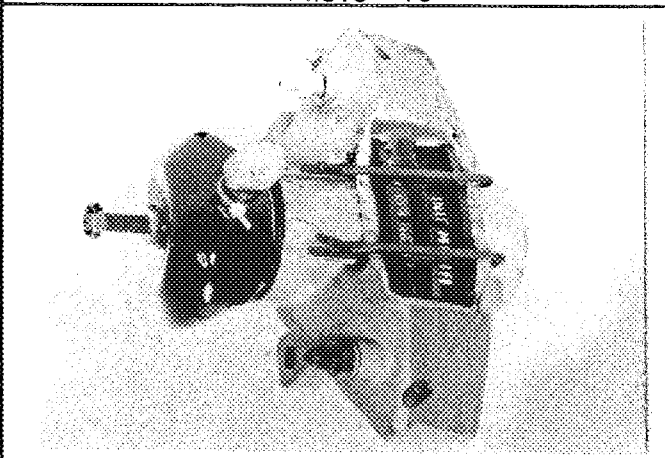


Photo 16





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Modell Opel Kadett-E GSI 16V  
 Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
 Homologation Nr.

Nachtrag Nr. 01/01V0  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description	
	701a	Verstärktes Federbein vorn mit separatem Achsschenkel, Geometrie unverändert / Reinforced strut front, steering knuckle separated, kinematic remains unchanged	Photo 17
	606	Verstärkte Antriebswellen verschraubt / Reinforced drive shafts	Photo 18
	701a	Verstärkter Lenker vorn unten mit Kugelgelenken, Material Stahl wahlweise Aluminium / Reinforced lower control arm front, with balljoint, material : steel, optional : light alloy	Photo 19
	701	Geänderte Radbefestigung : zentral- verschluß / Changed wheel attachment: central knock-off system	Photo 20
		Verstärkter Stoßdämpfer mit Zusatzfeder die Original-Feder muß entfernt werden / Reinforced shock absorber with additional spring : the original spring must be removed	Photo 21
	401	Zusatz-Kraftstofftank / Im Kofferraum Additional fuel catch tank / Inside luggage compartment	Photo 22
		d) Maximaler Inhalt :                   2 L Zusatztank Maximum capacity :                   2 L additional fuel catch tank	



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Modell Vauxhall Astra-E GTE 16V

Homologations Nr. A - 5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01/01V0  
Ext. Nr.

Photo 17

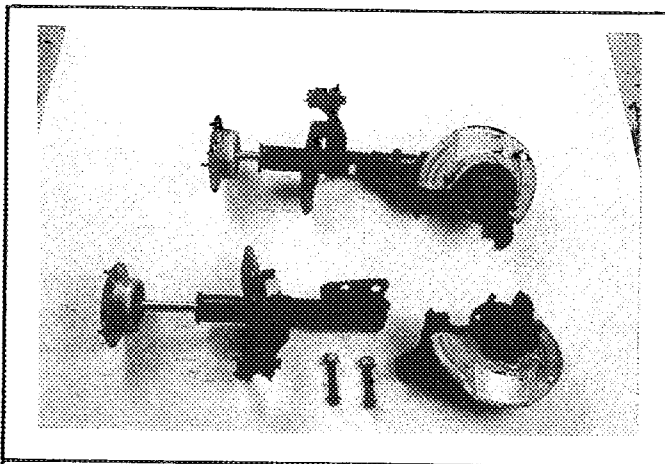


Photo 18

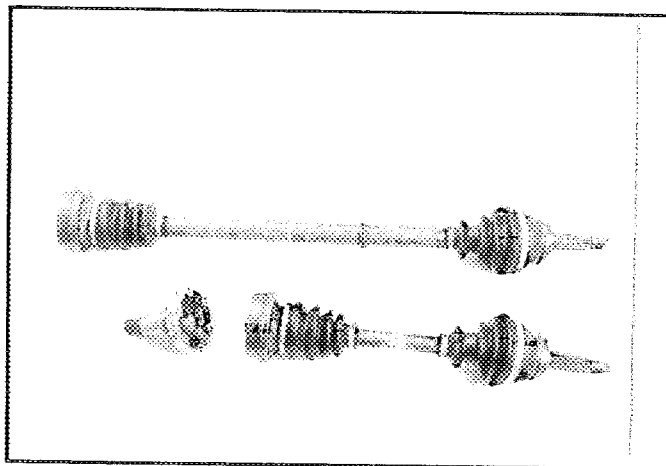


Photo 19

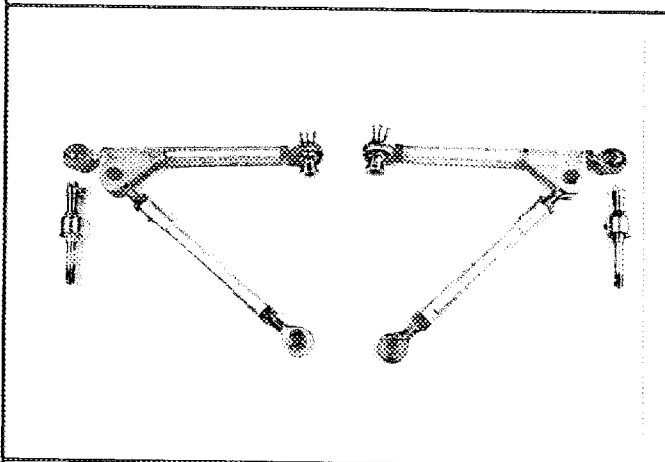


Photo 20

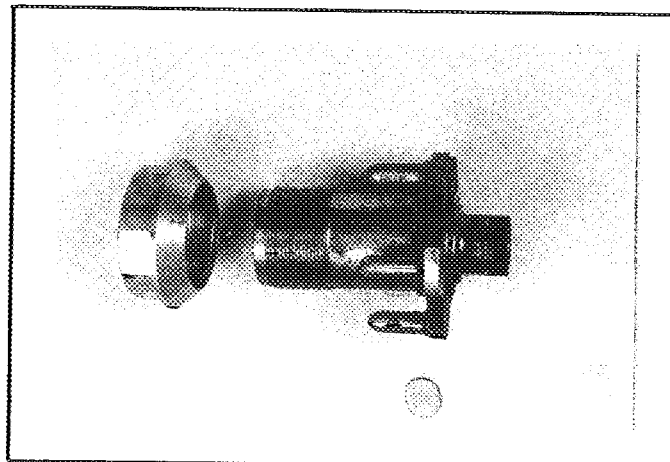


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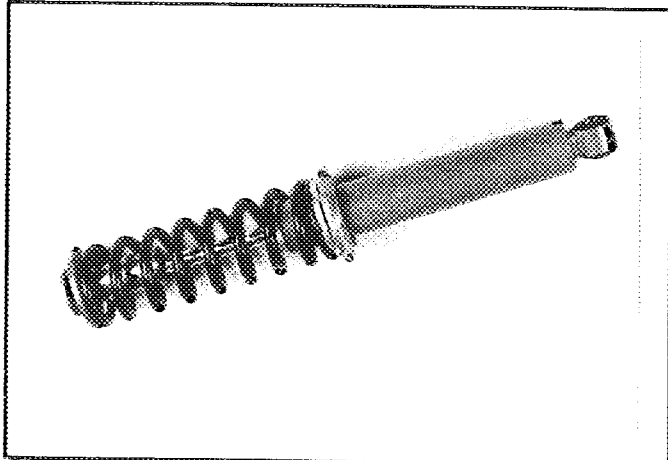
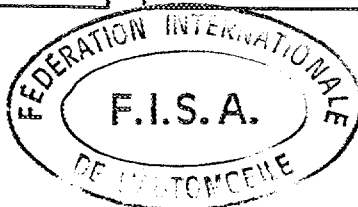
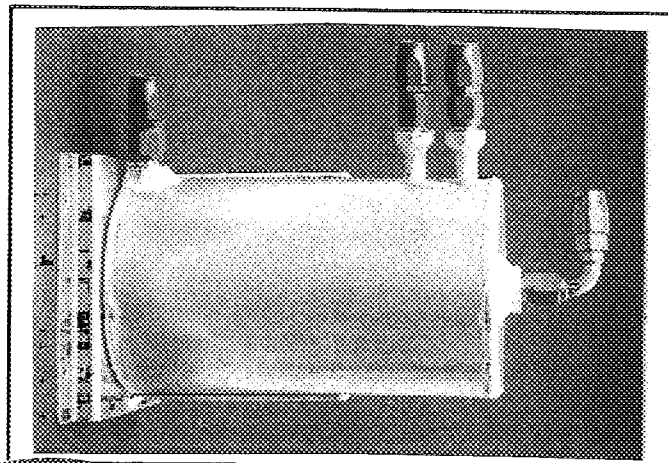


Photo 22



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Homologations Nr. A-5369  
 Homologation Nr.

Nachtrag Nr. 01 / 01 V0  
 Ext. Nr.

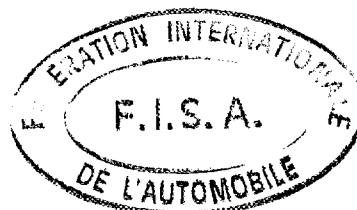
Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
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803. Bremsen:  
Brakes

Photo 23

Photo 24

	Vorn Front	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	1	1
1) Bohrung Bore	54 mm	36 mm
g) Scheibenbremsen Disc brakes		
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	2	2
2) Anzahl der Sättel je Rad Number of calipers per wheel	1	1
3) Material der Bremssättel Caliper material	Guß / Cast iron	Guß / Cast iron
4) Maximale Dicke der Scheibe Maximum disc thickness	20 mm	10 mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	256 mm (± 1 mm)	236 mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	254 mm	234 mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	158 mm	151 mm
8) Länge der Beläge über Alles Overall length of the shoes	108,5 mm	74,6 mm
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> yes / <del>no</del>	<del>ja</del> / nein <del>yes</del> / no
10) Bremsfläche je Rad Braking surface per wheel	621,28 qcm	501,94 qcm



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 Model Vauxhall Astra-E GTE 16V

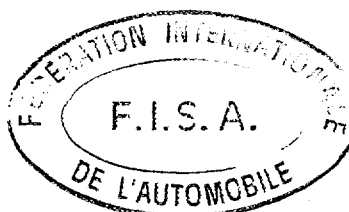
Homologations Nr. A-5369  
 Homologation: Nr.

Nachtrag Nr. 01/01V0  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
------------------------------------	-----------------	-----------------------------

803. Bremsen:  
Brakes:

	Photo 25 Vorn Front	Photo 26 Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	<u>4</u>	<u>2</u>
1) Bohrung Bore	<u>38</u> mm	<u>41,2</u> mm
g) Scheibenbremsen Disc brakes		
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	<u>2</u>	<u>2</u>
2) Anzahl der Sättel je Rad Number of calipers per wheel	<u>1</u>	<u>1</u>
3) Material der Bremssättel Caliper material	<u>Leichtmetall/light alloy</u>	<u>Leichtmetall/light alloy</u>
4) Maximale Dicke der Scheibe Maximum disc thickness	<u>22</u> mm	<u>10</u> mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	<u>255</u> mm (± 1 mm)	<u>250</u> mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	<u>250</u> mm	<u>250</u> mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	<u>160</u> mm	<u>160</u> mm
8) Länge der Beläge über Alles Overall length of the shoes	<u>111</u> mm	<u>                    </u> mm
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> yes/ <del>no</del>	<del>ja</del> / nein <del>yes</del> / <del>no</del>
10) Bremsfläche je Rad Braking surface per wheel	<u>579,62</u> qcm	<u>579,62</u> qcm



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Model Vauxhall Astra-E GTE 16V

Homologations Nr. A - 5369  
Homologation Nr.

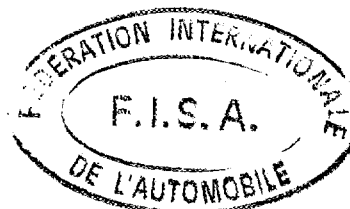
Nachtrag Nr. 01 / 01 V0  
Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
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803. Bremsen:  
Brakes.

Photo 25

	Vorn Front	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	4	
1) Bohrung Bore	38 mm	mm
g) Scheibenbremsen Disc brakes		
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	2	
2) Anzahl der Sättel je Rad Number of calipers per wheel	1	
3) Material der Bremssättel Caliper material	Leichtmetall/light alloy	
4) Maximale Dicke der Scheibe Maximum disc thickness	21 mm	mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	290 mm (± 1 mm)	mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	290 mm	mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	190 mm	mm
8) Länge der Beläge über Alles Overall length of the shoes	112.3 mm	mm
9) Belüftete Scheiben Ventilated disc	ja / nein yes/no	ja / nein yes/no
10) Bremsfläche je Rad Braking surface per wheel	753.98 qcm	qcm



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Model Vauxhall Astra-E GTE 16V

Homologations Nr. A - 5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01 / 01 V0  
Ext. Nr.

Photo 23

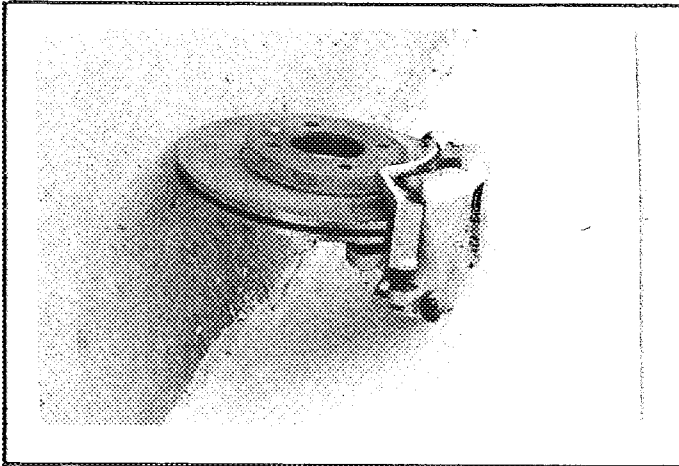


Photo 24

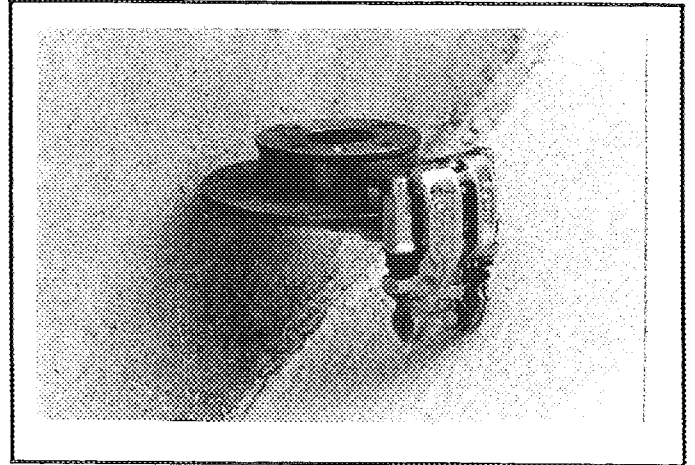


Photo 25

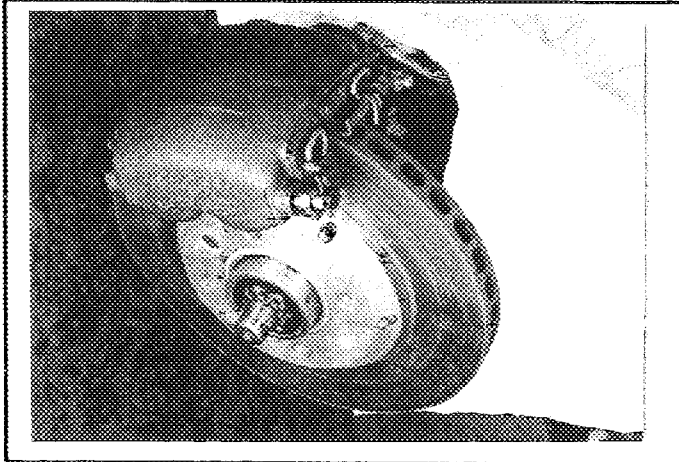
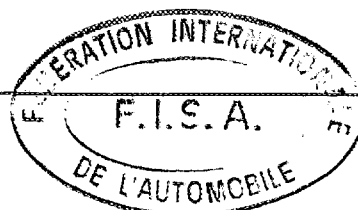
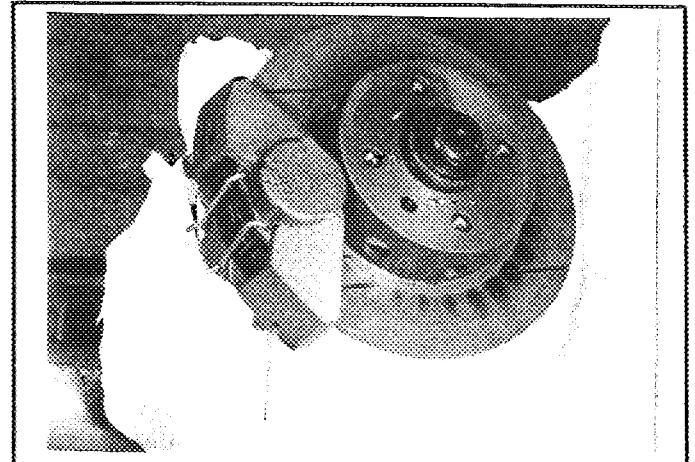


Photo 26



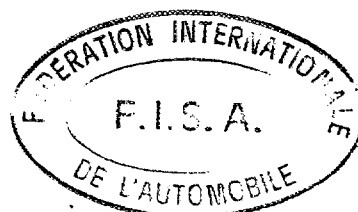
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 Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
 Homologation Nr.

Nachtrag Nr. 01/01V0  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
	701	Auffangvorrichtung / Lift limiting device Photo 28
	701	Verstärkter Hinterachskörper Typ AS / Reinforced rear axle cross member type AS - Photo 29
	701	Federbeinstützlager verstärkt einstellbar excentrisch Front suspension top mounting adjustable eccentric. Type KA - Photo 30 Type KS - Photo 31
	701	Verstärkter Lenker vorn unten, einstellbar, excentrisch, mit Uniballgelenk / Reinforced lower control arm with ball joint, adjustable, eccentric - Photo 32
	701	Verstärktes Federbein Typ KSW Reinforced strut type KSW - Photo 33
9	804	Lenkung / Steering : Verstärkte Spurstangen links oder / and rechts / Reinforced tie rod left and/or right - Photo 34
9	804	b) Übersetzungsverhältnis / Ratio 14.8 : 1 c) Lenkhilfe mit Aggregaten / Power steering with accessories - Photo 35
9	804	b) Lenkung ohne Lenkhilfe / Without power steering Übersetzungsverhältnis / Ratio 22.0 : 1



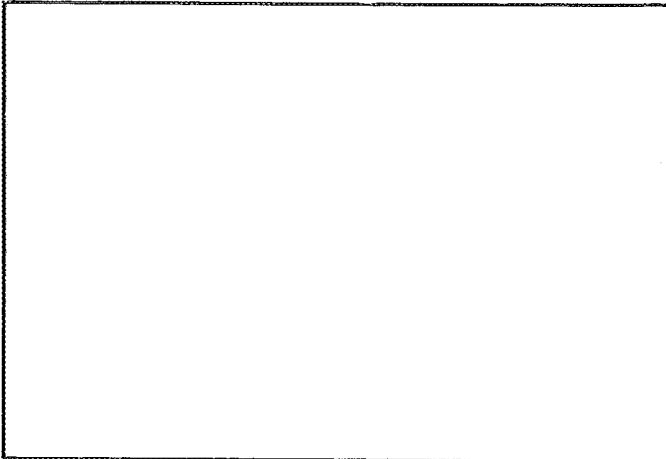
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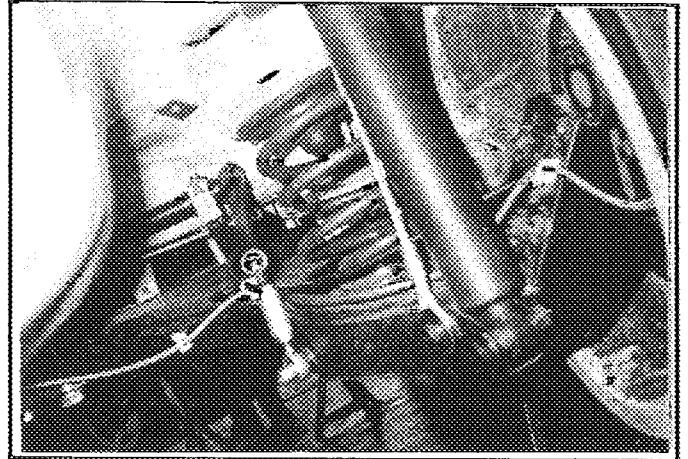
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Homologation Nr.

Fotos  
Photos

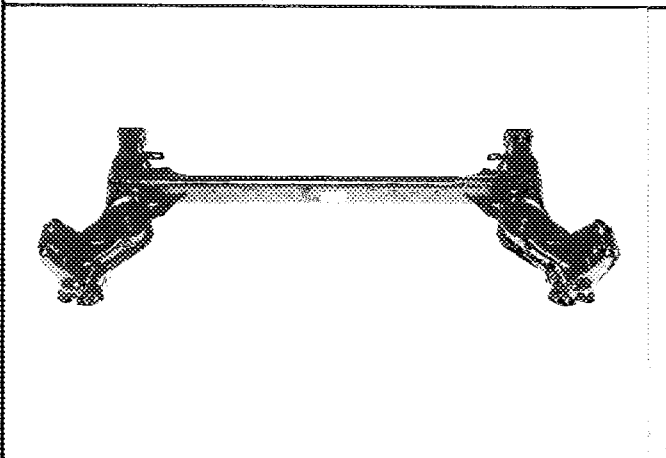
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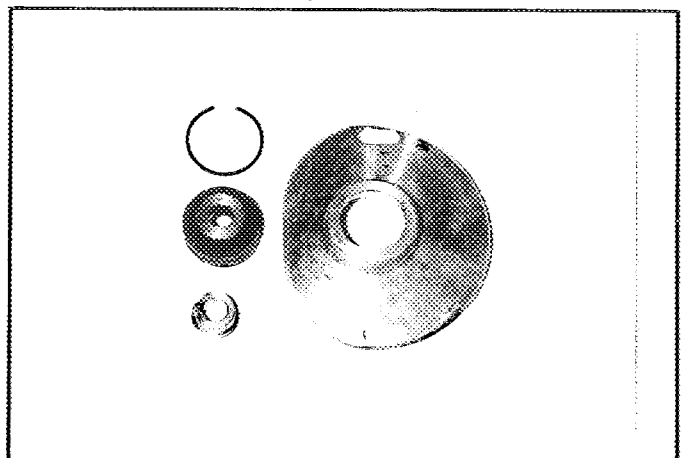
*Photo 28*



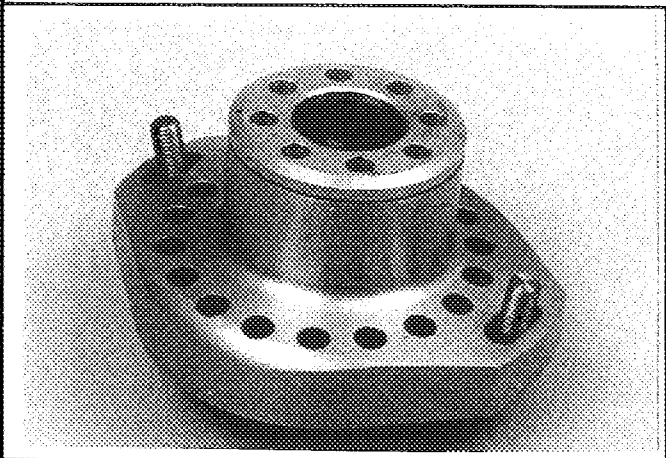
*Photo 29*



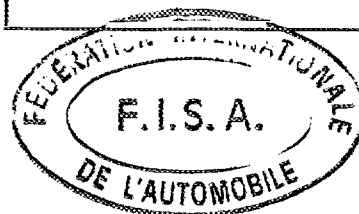
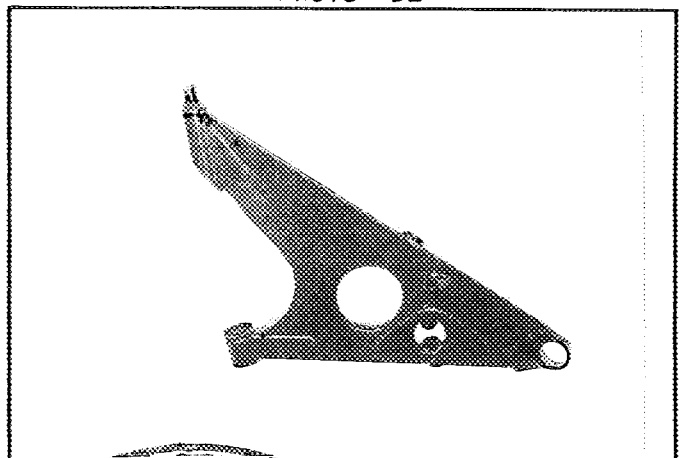
*Photo 30*



*Photo 31*



*Photo 32*





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Modell Opel Kadett-E GSI 16V  
Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01/01V0  
Ext. Nr.

Photo 33

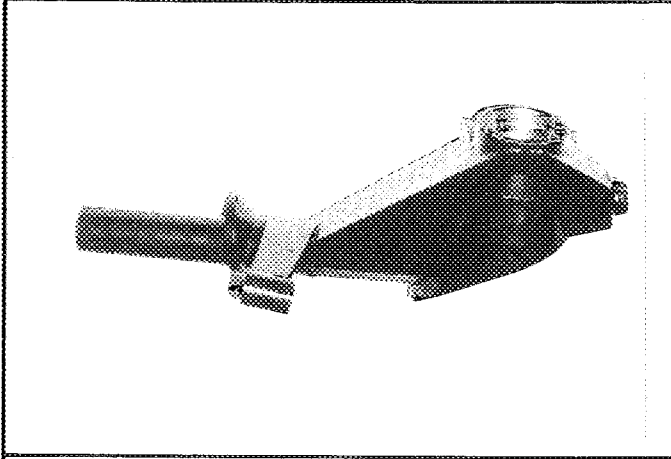


Photo 34

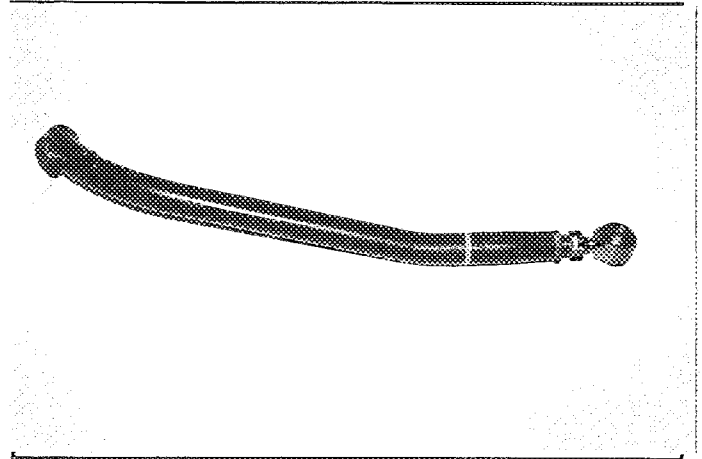
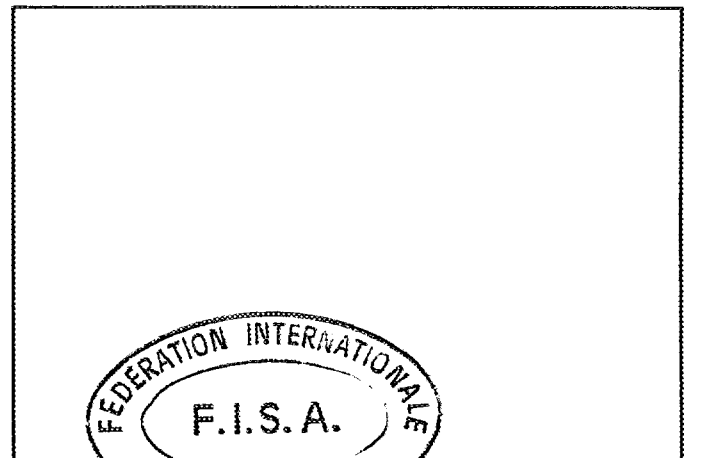
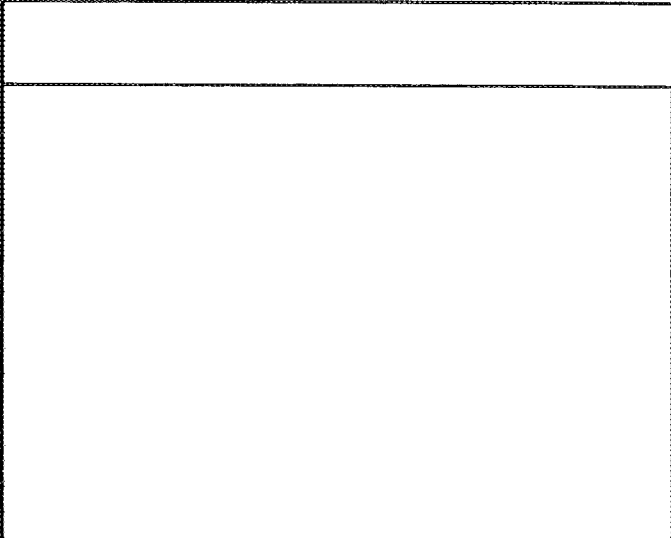
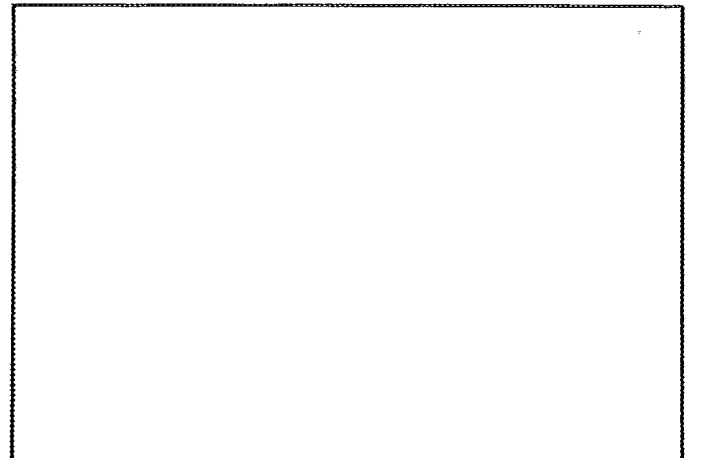
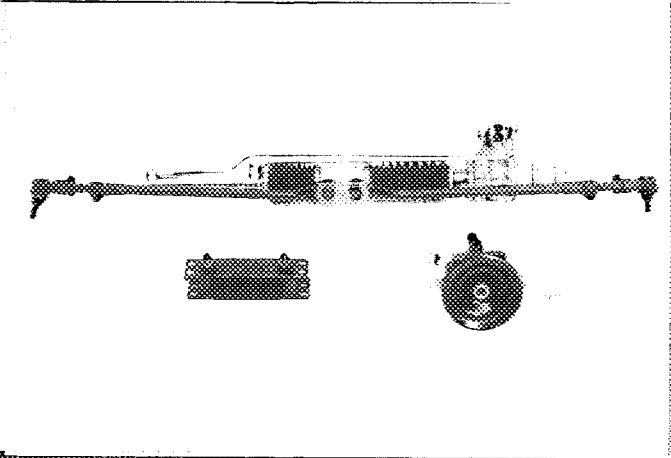


Photo 35



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 Model Vauxhall Astra-E GTE 16V

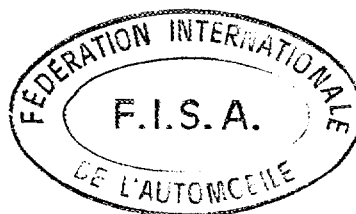
Homologations Nr. A-5369  
 Homologation Nr.

Nachtrag Nr. 01/01V0  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
------------------------------------	-----------------	-----------------------------

803. Bremsen:  
 Brakes

	Vorn Front	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	4	
1) Bohrung Bore	38.0 or 42.8 mm	
g) Scheibenbremsen Disc brakes	Photo 7	
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	2	
2) Anzahl der Sättel je Rad Number of calipers per wheel	1	
3) Material der Bremssättel Caliper material	Photo 9 Aluminium/light alloy	
4) Maximale Dicke der Scheibe Maximum disc thickness	28.0 mm	
5) Außendurchmesser der Scheibe Exterior diameter of the disc	304 mm (± 1 mm)	
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	303 mm	
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	200 mm	
8) Länge der Beläge über Alles Overall length of the shoes	96 mm	
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> yes/no	ja / nein yes/no
10) Bremsfläche je Rad Braking surface per wheel	814.0 qcm	



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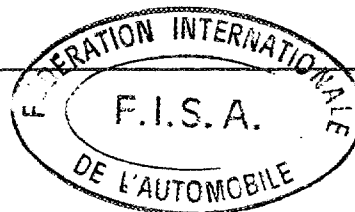
Modell Opel Kadett-E GSI 16V  
 Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
 Homologation Nr.

01 / 01 V0

Nachtrag Nr. \_\_\_\_\_  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description	
	704	Drehstab hinten / torsion bar rear : ja/yes  Stabilisator mit Haltern hinten einstellbar / Anti-roll bar rear adjustable mounting with brackets	Photo 48
	701b	Verstärkte Hinterachse, Aufhängungspunkte unverändert / Reinforced rear axle, suspension points remain unchanged	Photo 49
	701b	Verstellbarer Federsitz / adjustable spring seat	Photo 50
	602b	Kupplung / clutch  Art der Betätigung / drive system : Hydraulisch / hydraulic	Photo 51
	901	Mechanische Hebedach-Ventilation vorn für Rallies / Mechanical tilt roof ventilation front for rallies only	Photo 52
	701b	Hintere Radnabe, verstärkt Aluminium / Rear wheel hub reinforced aluminium	Photo 44
	701a	Verstärkter Lenker vorn unten, einstellbar, excentrisch, mit Unballgelenk, Geometrie unverändert / Reinforced lower control arm with ball joint, adjustable, eccentric, geometry unchanged.	Photo 45
	701a	Federbelnstützlager verstärkt einstellbar, excentrisch Aluminium / Front suspension top mounting, adjustable eccentric, aluminium type KAH	Photo 46
	704	Drehstab vorn / torsion bar front : ja / yes Stabilisator vorn / Anti roll bar front	Photo 47



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Modell Opel Kadett-E GSI 16V  
Modell Vauxhall Astra-E GTE 16V

Homologations Nr. A - 5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01 / 01 V0  
Ext. Nr.

Photo 44

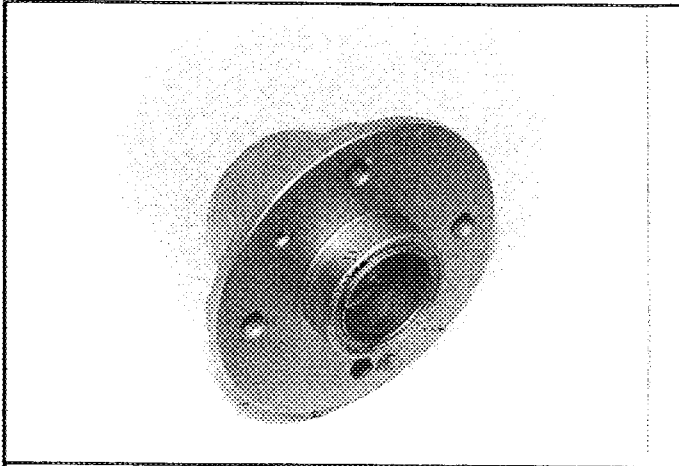


Photo 45

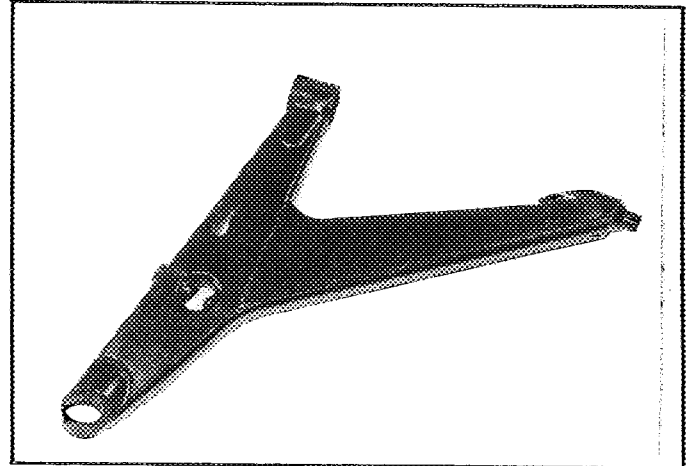


Photo 46

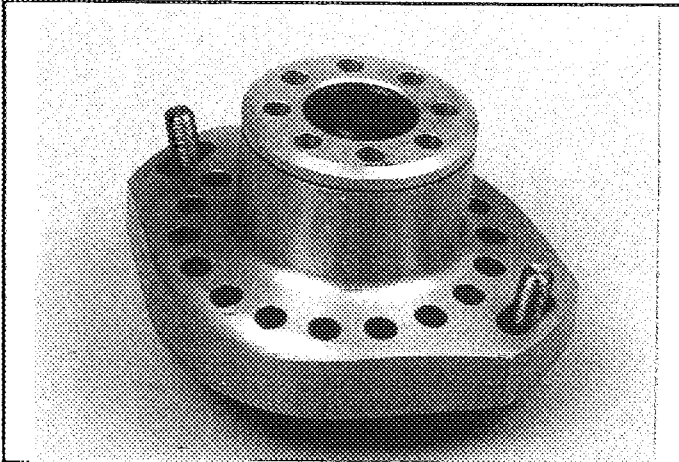


Photo 47

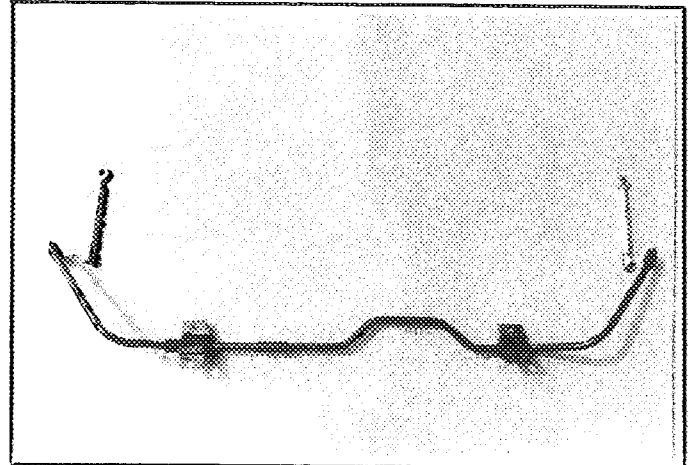


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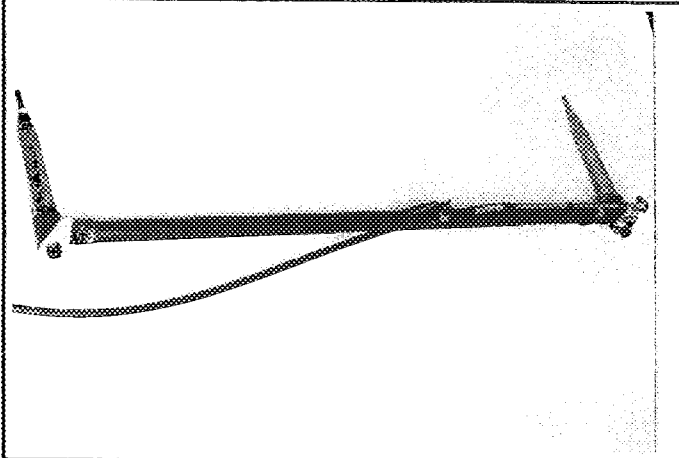
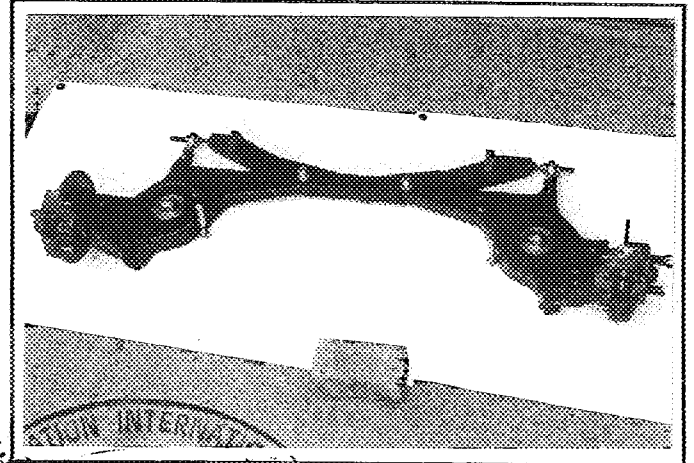


Photo 49



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Modell Opel Kadett-E GSI 16V  
Mode' Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01/01V0  
Ext. Nr.

Photo 50

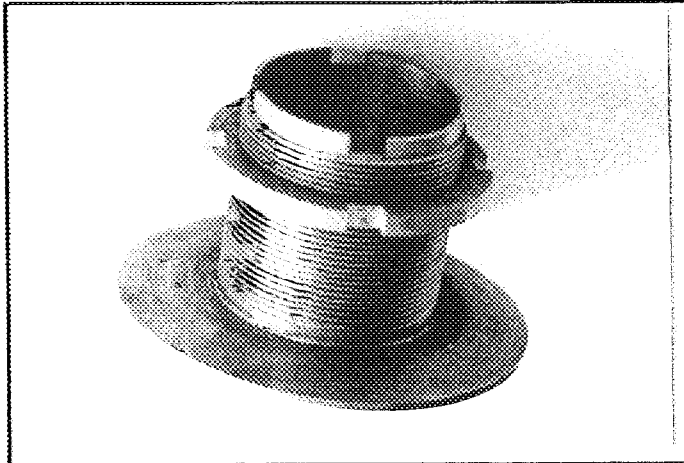


Photo 51

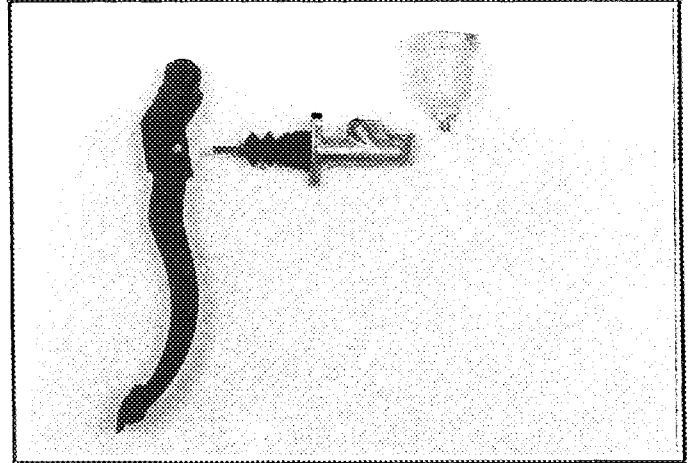
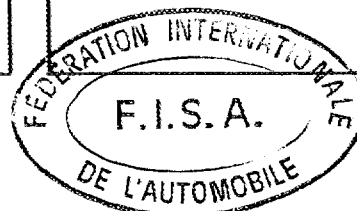
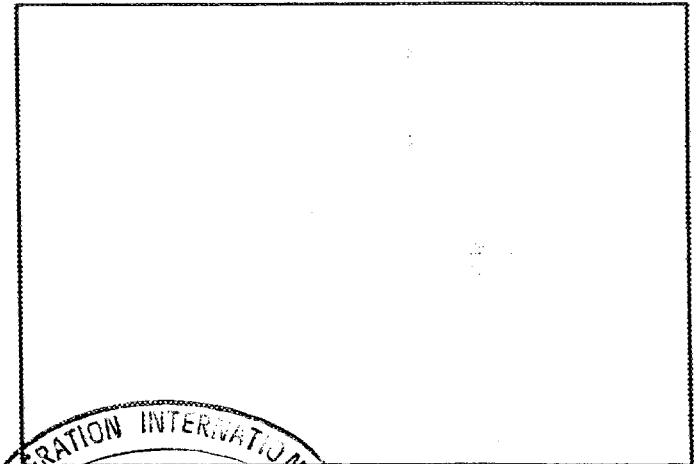
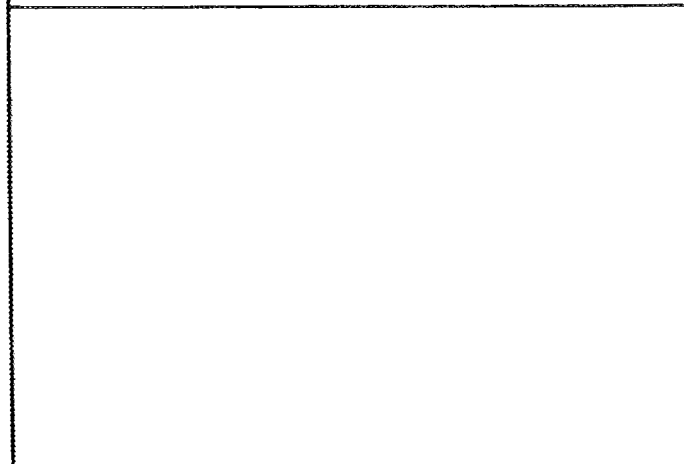
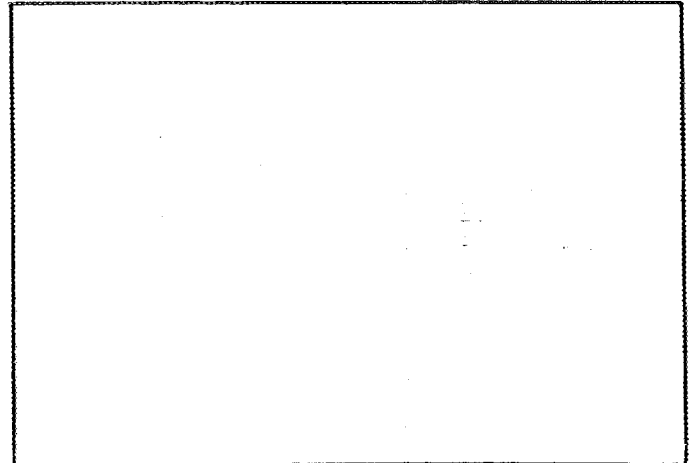
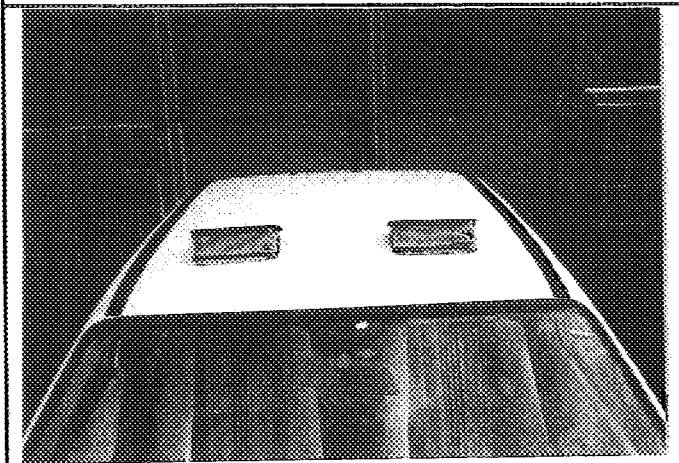


Photo 52



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Modell Opel Kadett-E GSi 16V  
 Model Vauxhall Astra-E GTE 16V

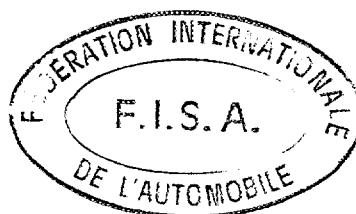
Homologations Nr. A - 5369  
 Homologation Nr.

Nachtrag Nr. 01 / 01 VO  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
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803. Bremsen:  
 Brakes

	Vorn Front	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	4	4
1) Bohrung Bore	2x38,1 / 2x41,3 mm	2x41,3 / 2x44,4 mm
	Photo 7	Photo 37
g) Scheibenbremsen Disc brakes		
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	2	2
2) Anzahl der Sättel je Rad Number of calipers per wheel	1	1
	Photo 36 Aluminium/Alloy	Photo 38 Aluminium/Alloy
3) Material der Bremssättel Caliper material		
4) Maximale Dicke der Scheibe Maximum disc thickness	25,4 or 28,0 mm	25,4 or 28,0 mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	290 mm (± 1 mm)	295 mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	290 mm	295 mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	190 mm	195 mm
8) Länge der Beläge über Alles Overall length of the shoes	112,3 mm	131,3 mm
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> yes/ <del>no</del>	ja / <del>nein</del> yes/ <del>no</del>
10) Bremsfläche je Rad Braking surface per wheel	754,0 qcm	770,0 qcm



Marke General Motors Europe  
 Make

Modell Opel Kadett-E GSI 16V  
 Model Vauxhall Astra-E GTE 16V

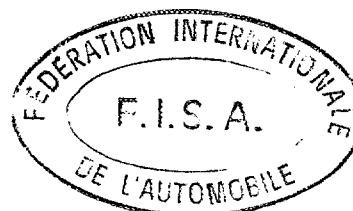
Homologations Nr. A-5369  
 Homologation Nr.

Nachtrag Nr. 01/01V0  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
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803. Bremsen:  
 Brakes.

	Vorn Front	<del>Vorn</del> <del>Front</del>
e) Anzahl der Zylinder je Rad Number of cylinders per wheel:	<u>4</u>	<u>4</u>
1) Bohrung Bore	<u>2x41.3 / 2x44.4</u> mm	<u>2x41.3 / 2x44.4</u> mm
	Photo 37	Photo 37
g) Scheibenbremsen Disc brakes		
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	<u>2</u>	<u>2</u>
2) Anzahl der Sättel je Rad Number of calipers per wheel	<u>1</u>	<u>1</u>
	Photo 38	Photo 38
3) Material der Bremssättel Caliper material	<u>Aluminium/Alloy</u>	<u>Aluminium/Alloy</u>
4) Maximale Dicke der Scheibe Maximum disc thickness	<u>25.4 or 28.0</u> mm	<u>25.4 or 28.0</u> mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	<u>295</u> mm (± 1 mm)	<u>304</u> mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	<u>295</u> mm	<u>304</u> mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	<u>215</u> mm	<u>224</u> mm
8) Länge der Beläge über Alles Overall length of the shoes	<u>131.5</u> mm	<u>131.5</u> mm
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> <del>yes</del> / <del>no</del>	ja / <del>nein</del> <del>yes</del> / <del>no</del>
10) Bremsfläche je Rad Braking surface per wheel	<u>641.0</u> qcm	<u>664.0</u> qcm



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Modell Opel Kadett-E GSi 16V  
 Mode: Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
 Homologation Nr.

Nachtrag Nr. 01/01V0  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
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803 Bremsen  
 Brakes

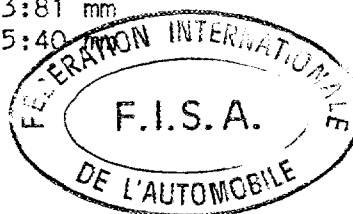
	Vorn Front	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	4	2
1) Bohrung Bore	2x41,3 / 2x44,4 mm	36,0 or 38,1 or 41,3 mm
	Photo 37	Photo 39
g) Scheibenbremsen Disc brakes	2	2
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel		
2) Anzahl der Sättel je Rad Number of calipers per wheel	1	1
	Photo 38	Photo 40
3) Material der Bremssättel Caliper material	Aluminium/Alloy	Aluminium/Alloy
4) Maximale Dicke der Scheibe Maximum disc thickness	25,4 or 28,0 mm	20,7 mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	304 mm (± 1 mm)	254 mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	304 mm	254 mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	204 mm	211 mm
8) Länge der Beläge über Alles Overall length of the shoes	131,3 mm	68,6 mm
9) Belüftete Scheiben ventilated disc	ja / <input checked="" type="checkbox"/> yes	ja / <input type="checkbox"/> no
10) Bremsfläche je Rad Braking surface per wheel	798,0 qcm	314,0 cm

803: Bremsen / Brakes: Zweites Bremspedal links im Fußraum /  
 Typ RB / Second brake pedal left side in the pedal  
 area type RB

Photo 52

Foot-operated parking brake  
 Cylinder Ø / Zylinder Ø :

- 15:88 mm
- 17:78 mm
- 19:05 mm
- 20:57 mm
- 22:35 mm
- 23:81 mm
- 25:40 mm





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Modell Opel Kadett-E GSI 16V  
Model  
Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01/01V0  
Ext. Nr.

Photo 36

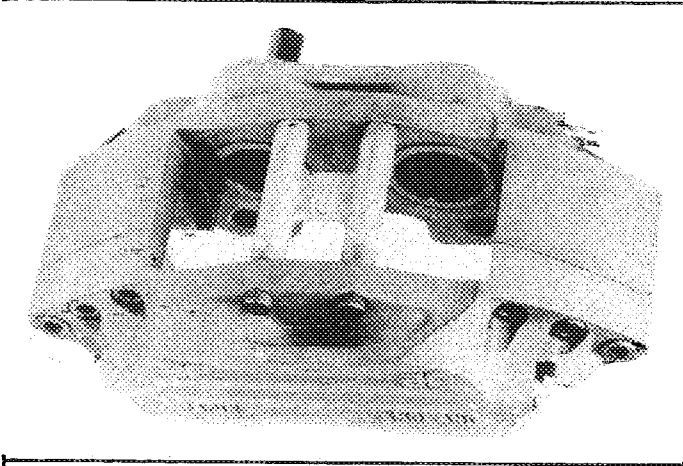


Photo 37

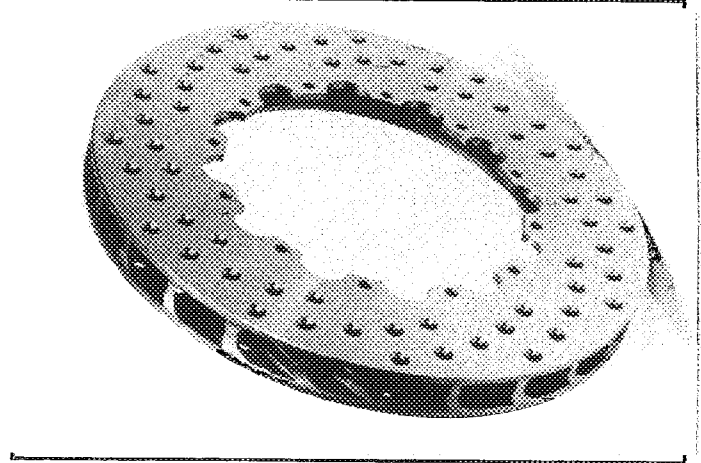


Photo 38

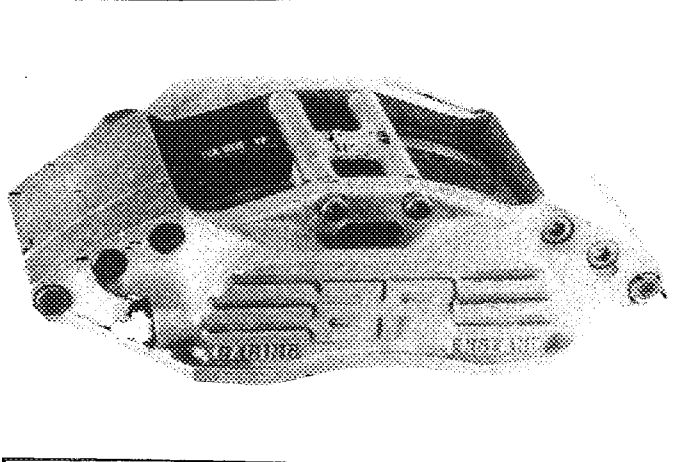


Photo 39

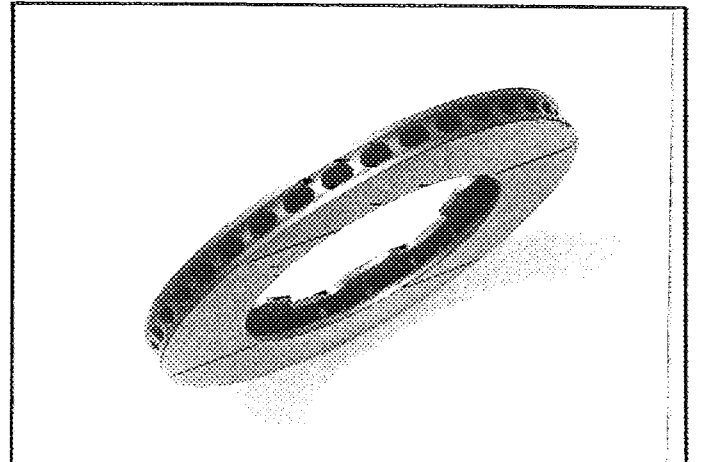


Photo 40

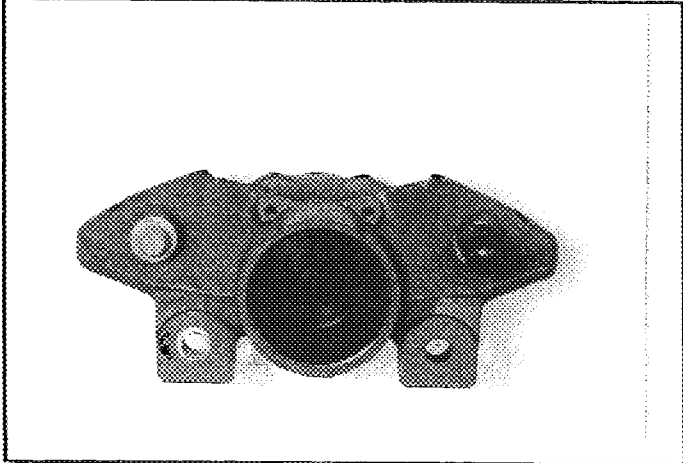
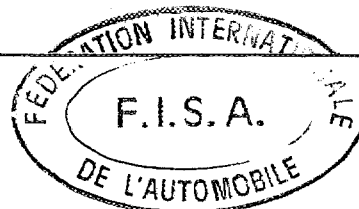
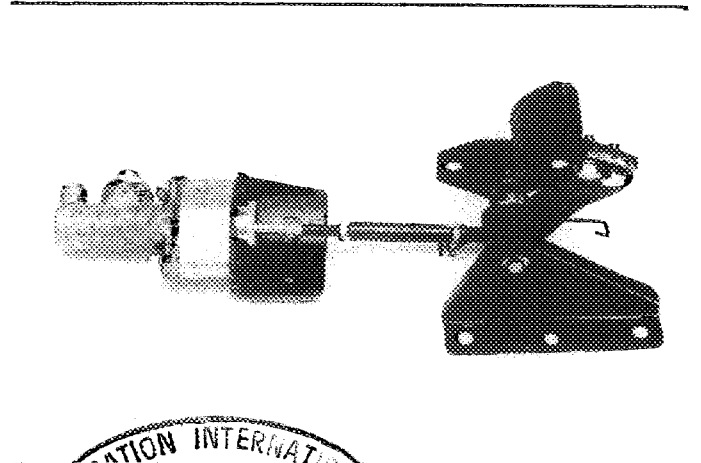


Photo 52



Marke General Motors Europe  
 Make

Modell Opel Kadett-E GSi 16V  
 Model Vauxhall Astra-E GTE 16V

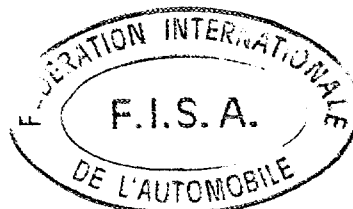
Homologations Nr. A-5369  
 Homologation Nr.

Nachtrag Nr. 01/01V0  
 Ext. Nr.

Seite od. Nachtrag Page or ext	Artikel Art	Beschreibung Description
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803. Bremsen:  
 Brakes

	Vorn Front	<del>Vorn</del> Front
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	4	4
1) Bohrung Bore	2x38.0 / 2x41.2 mm	2x38.0 / 2x41.2 mm
	Photo 41	Photo 42
g) Scheibenbremsen Disc brakes		
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	2	2
2) Anzahl der Sättel je Rad Number of calipers per wheel	1	1
	Photo 43	Photo 43
3) Material der Bremssättel Caliper material	Aluminium/Alloy	Aluminium/Alloy
4) Maximale Dicke der Scheibe Maximum disc thickness	25.4 or 28.2 mm	25.4 or 28.2 mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	300 mm (± 1 mm)	290 mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	300 mm	290 mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	196 mm	188 mm
8) Länge der Beläge über Alles Overall length of the shoes	131.8 mm	131.8 mm
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> yes / <del>no</del>	ja / <del>nein</del> yes / <del>no</del>
10) Bremsfläche je Rad Braking surface per wheel	810.2 qcm	765.8 qcm



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Modell Opel Kadett-E GSI 16V  
Modell Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01/01 VO  
Ext. Nr.

Photo 41

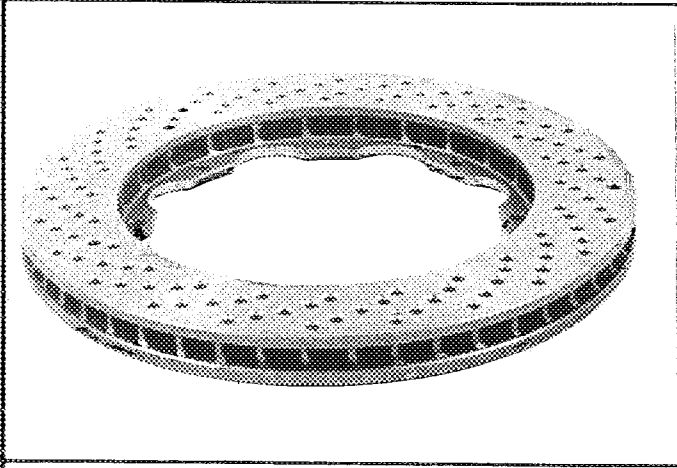


Photo 42

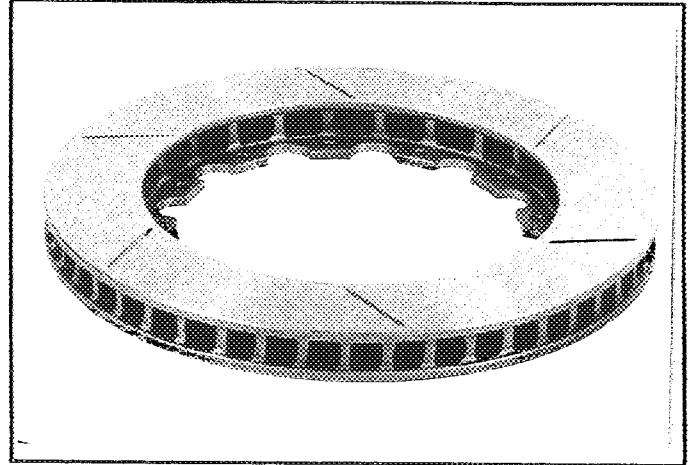
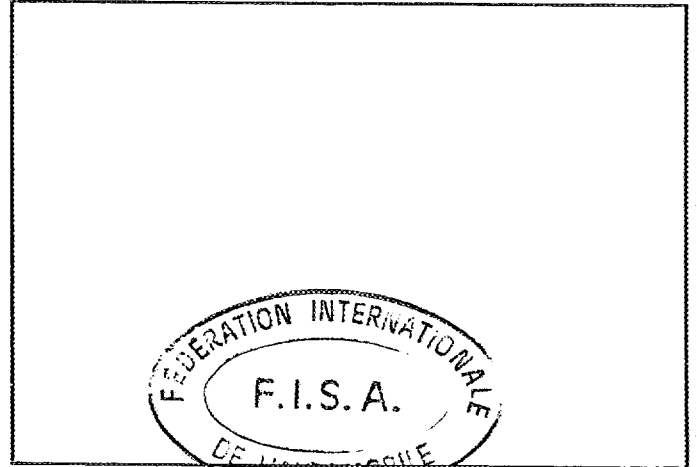
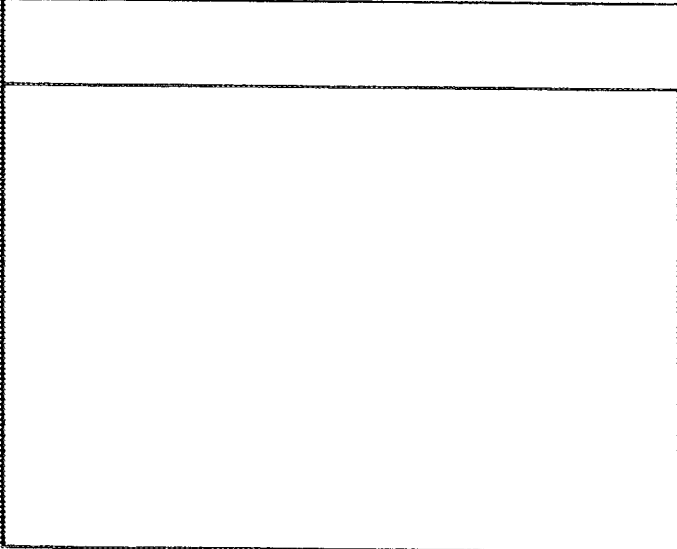
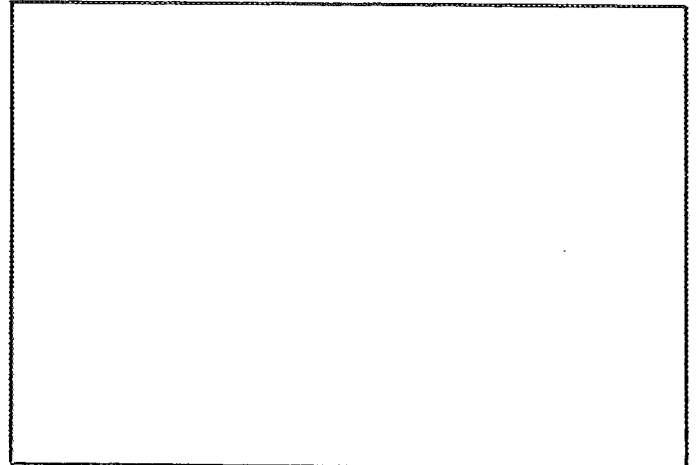
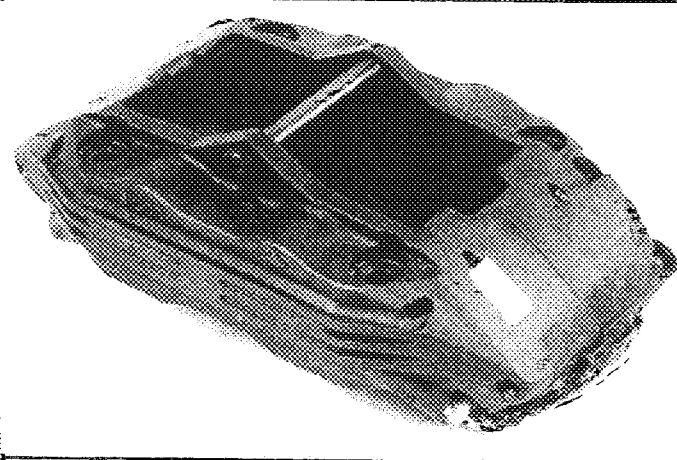


Photo 43



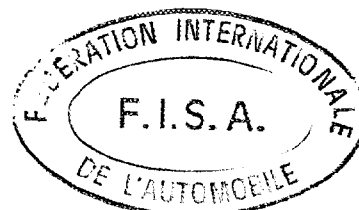
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Make

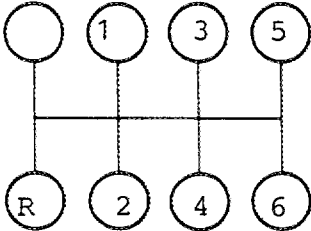

Modell Opel Kadett-E GSI 16V  
Model: Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
Homologation Nr.

Nachtrag Nr. 01/01V0  
Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
	901	Mechanische Hebedach-Ventilation vorn Mitte für Rallies / Mechanical tilt roof ventilation front middle for rallies only Photo 54
	701a	Verstärkter Lenker vorn unten, einstellbar, excentrisch, mit Uniballgelenk, Geometrie unverändert / Reinforced lower control arm with ball joint, adjustable, eccentric, geometry unchanged. Photo 55
	701a	Verstärktes Federbein vorn Typ KS 88 / Reinforced front strut type KS 88 Photo 56
		Größere Antriebsgelenke verstärkt, vorn Typ Klö / Larger reinforced joints, front type Klö Photo 57



Seite od Nachtrag Page or ext.	Artike: Art	Beschreibung Description																																				
6	603.	<p>Getriebe: a) Lage <u>Motorraum/Engine compartment</u>                      Gear-box: Location</p> <p>b) Manuelles Getriebe, Marke <u>GM - XTRAC (Photo 62)</u>                      „Manual“ make</p> <p>d) Anordnung des Gangschalthebels _____                      Location of the gear lever</p> <p>e) Übersetzungen                      Ratios</p> <table border="1" data-bbox="730 741 1145 1563"> <thead> <tr> <th></th> <th>Zusätzl. Getriebe Über- setzungen ratio</th> <th>Additional G B Anzahl der Zähne number of teeth</th> <th>synchro.</th> </tr> </thead> <tbody> <tr><td>1</td><td>2.80</td><td>42:15</td><td></td></tr> <tr><td>2</td><td>2.17</td><td>39:18</td><td></td></tr> <tr><td>3</td><td>1.85</td><td>37:20</td><td></td></tr> <tr><td>4</td><td>1.65</td><td>33:20</td><td></td></tr> <tr><td>5</td><td>1.44</td><td>36:25</td><td></td></tr> <tr><td>6</td><td>1.26</td><td>34:27</td><td></td></tr> <tr><td>Rück- wärts R</td><td>3.00</td><td><math>\frac{16}{42} \times \frac{42}{16}</math></td><td></td></tr> <tr><td>Kon- stante Con- stant</td><td>-</td><td>-</td><td></td></tr> </tbody> </table> <p>f) Schalt-Schema                      Gear change gate</p>  <p>603</p> <p>Betätigung Schaltgestänge/Gear level assembly</p> <p>- Photo 58</p> 		Zusätzl. Getriebe Über- setzungen ratio	Additional G B Anzahl der Zähne number of teeth	synchro.	1	2.80	42:15		2	2.17	39:18		3	1.85	37:20		4	1.65	33:20		5	1.44	36:25		6	1.26	34:27		Rück- wärts R	3.00	$\frac{16}{42} \times \frac{42}{16}$		Kon- stante Con- stant	-	-	
	Zusätzl. Getriebe Über- setzungen ratio	Additional G B Anzahl der Zähne number of teeth	synchro.																																			
1	2.80	42:15																																				
2	2.17	39:18																																				
3	1.85	37:20																																				
4	1.65	33:20																																				
5	1.44	36:25																																				
6	1.26	34:27																																				
Rück- wärts R	3.00	$\frac{16}{42} \times \frac{42}{16}$																																				
Kon- stante Con- stant	-	-																																				

Marke General Motors Europe  
 Make

Modell Opel Kadett-E GSI 16V  
 Model Vauxhall Astra-E GTE 16V

Homologations Nr. A - 5369  
 Homologation Nr.

Nachtrag Nr. 01 / 01 V0  
 Ext. Nr.

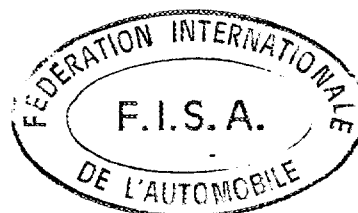
Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
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803. Bremsen: Material der Bremsscheibe / Material of the disc:  
 Brakes Carbon Fiber

	Vorn Front	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	4	2
1) Bohrung Bore	2x41.3 / 44.4 mm	36.0 or 38.1 or 41.3 mm
	Photo 60	Photo 61
g) Scheibenbremsen Disc brakes		
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	2	2
2) Anzahl der Sättel je Rad Number of calipers per wheel	1	1
	Photo 38	Photo 40
3) Material der Bremsättel Caliper material	Aluminium / Alloy	Aluminium / Alloy
4) Maximale Dicke der Scheibe Maximum disc thickness	28.0 <sup>-4</sup> mm	20.0 <sup>-4</sup> mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	tolerance of carbon fiber 292 mm (± 1 mm)	tolerance of carbon fiber 280 mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	292 mm	280 mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	204 mm	188 mm
8) Länge der Beläge über Alles Overall length of the shoes	131.5 mm	68.6 mm
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> yes / <del>no</del>	ja / <del>nein</del> yes / <del>no</del>
10) Bremsfläche je Rad Braking surface per wheel	685.62 qcm	676.32 qcm

803. Hintere Bremsscheibe gleiche Dimensionen wie Seite 27 g 5 : 250 mm Ø gebohrt / Rear disc same dimensions as on page 27 g 5 : 250 mm Ø with holes. - Photo 63

803. Hintere Bremsabdeckplatte / rear disc brake protection shield . - Photo 64



Marke General Motors Europe  
Make

Modell Opel Kadett-E GSI 16V  
Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 01/01V0  
Ext. Nr.

Photo 54

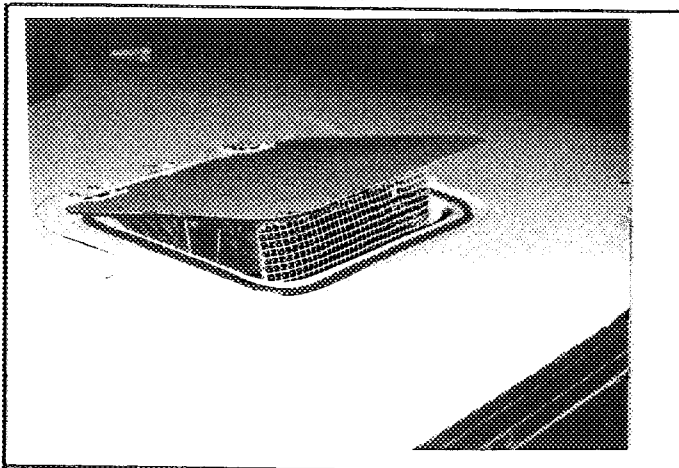


Photo 55

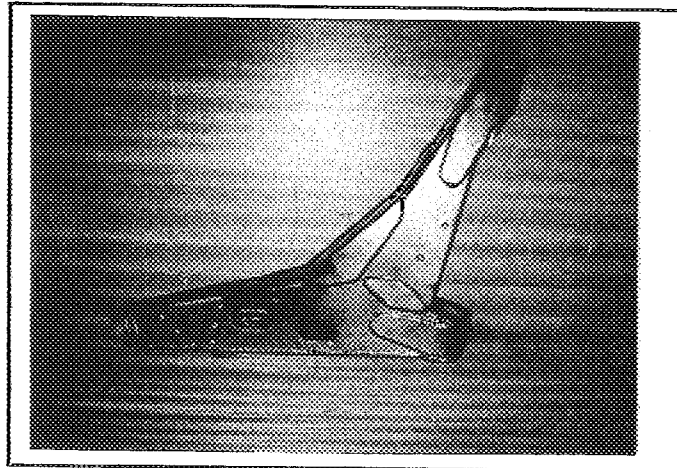


Photo 56

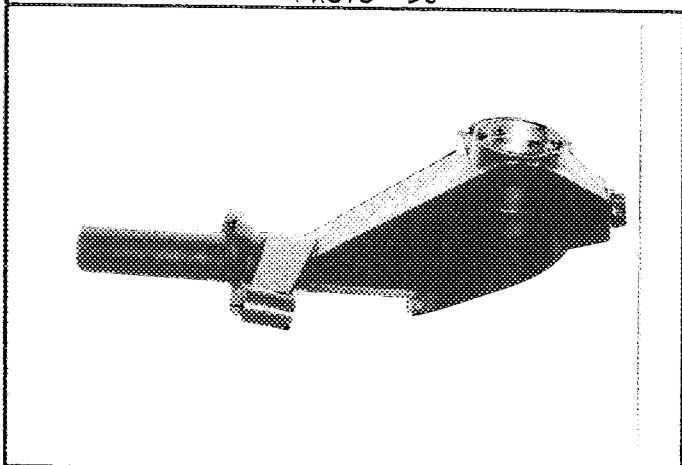


Photo 57

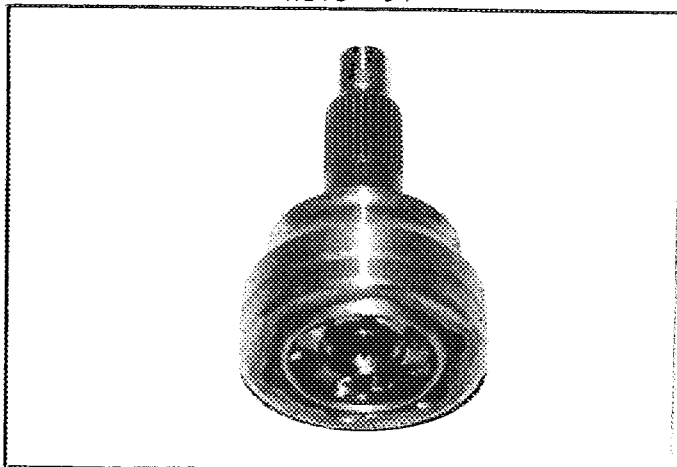
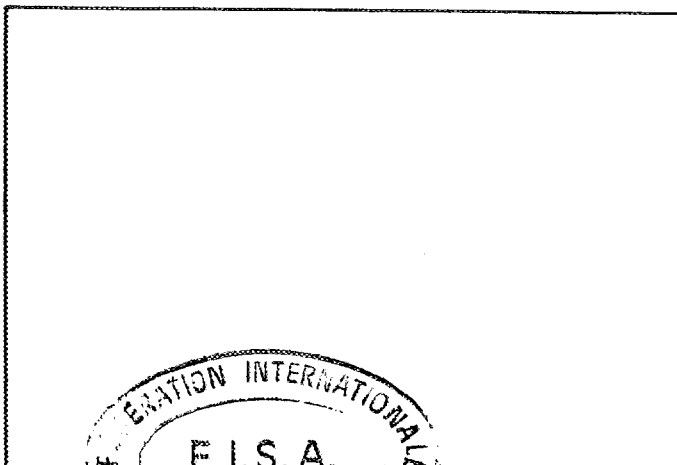
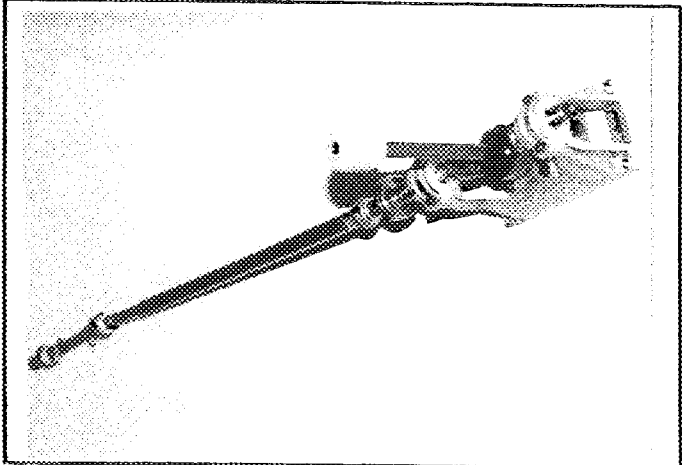


Photo 58



Marke General Motors Europe  
Make

Modell Opel Kadett-E GSI 16V  
Model Vauxhall Astra-E GTE 16V

Homologations Nr. A - 5369  
Homologation Nr.

01 / 01 VO

Fotos  
Photos

Nachtrag Nr. \_\_\_\_\_  
Ext. Nr.

Photo 60

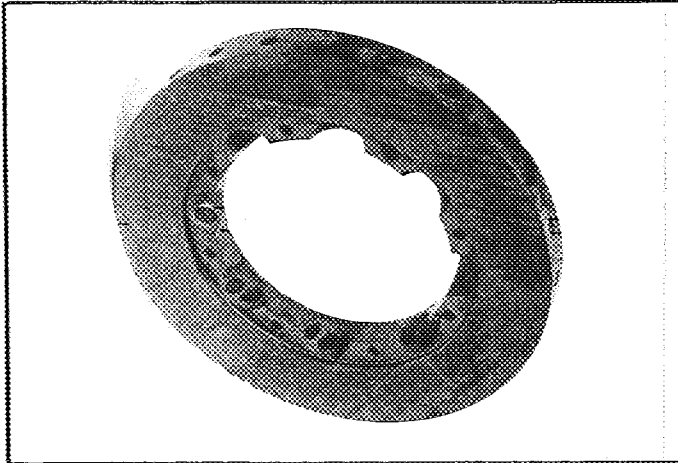


Photo 61

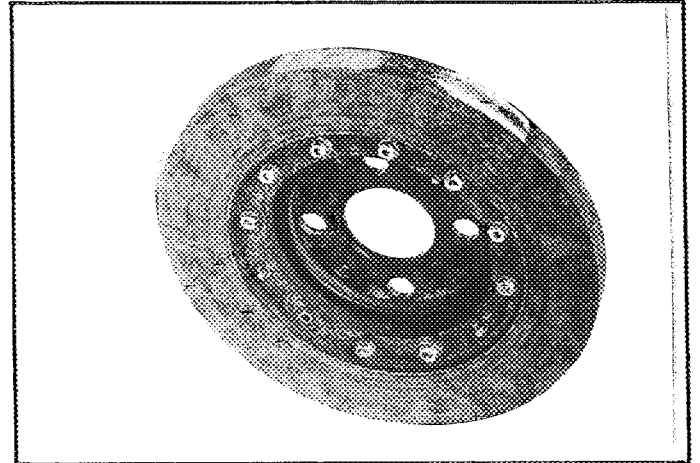


Photo 62

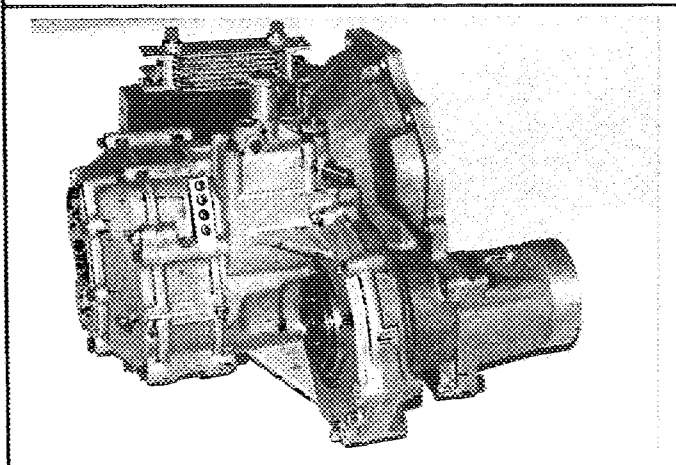


Photo 63

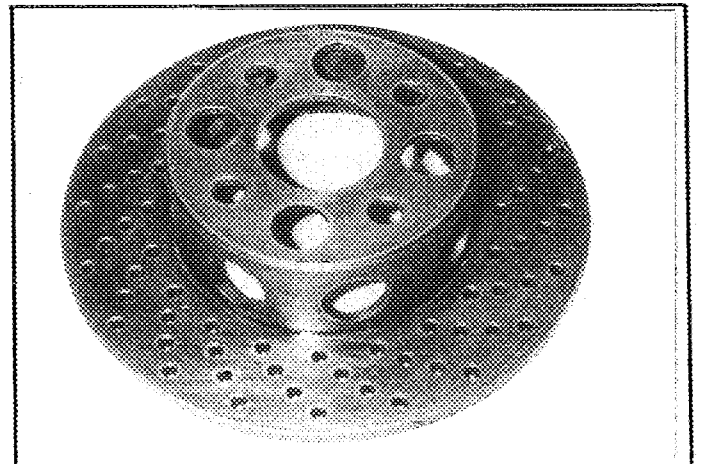
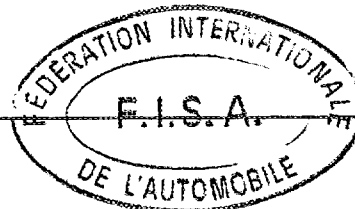
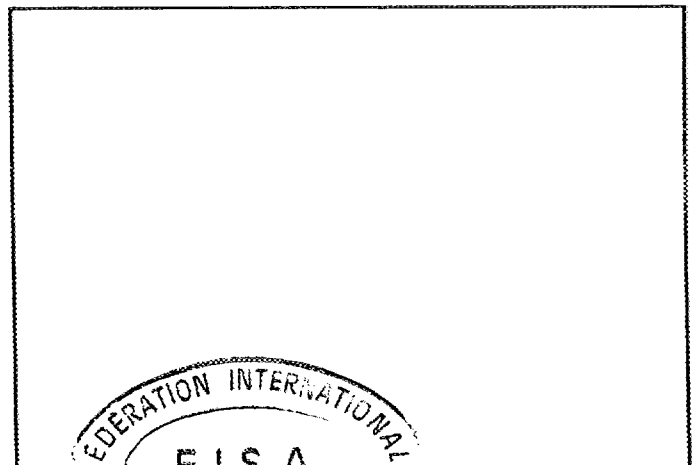
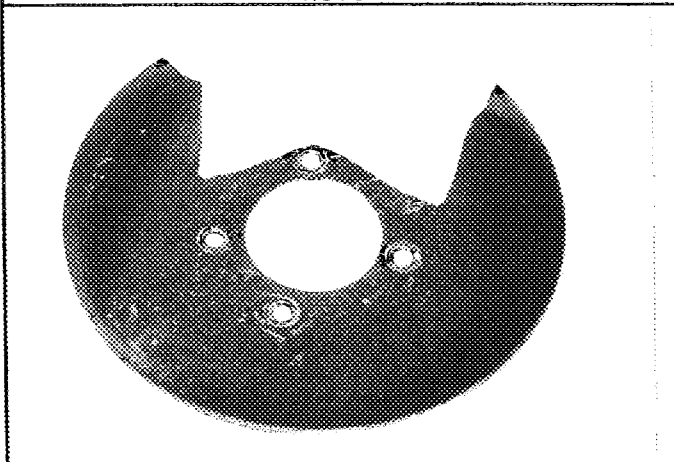


Photo 64





**FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE**  
**ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH**

Homologation Nr.

**A-5369**

Nachtrag Nr.  
Extension Nr.

**02 / 02 VO**

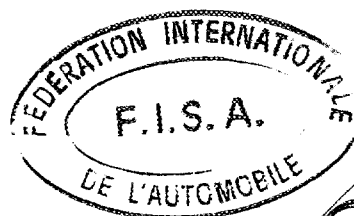
**Nachtrag zum offiziellen Testblatt der FISA**  
 Form of extension to the official FISA-Homologation

- ET** Normale Weiterentwicklung des Typs: ab Fahrgestell -Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number:
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

Homologation gültig ab: 01 JAN. 1989 in Gruppe: A  
 Homologation valid as from: \_\_\_\_\_ in group: \_\_\_\_\_

Hersteller: General Motors Europe Modell und Typ: Opel Kadett E GSI 16V  
 Manufacturer: \_\_\_\_\_ Model and type: \_\_\_\_\_  
 Vauxhall Astra GTE 16V

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
	701	Verstärktes Federbein vorn, Geometrie unverändert Reinforced front strut, kinematic remains unchanged
	704	Hintere Stabilisator, verstellbar Rear Anti roll bar, adjustable:- photo 67
	704	Hintere Stabilisator, Cockpit einstellung Rear Anti roll bar, cockpit adjuster:- photo 68
	804	Servolenkung system Ölsammelbehälter/Aluminium Power steering system oil reservoir, Aluminium:-photo 6

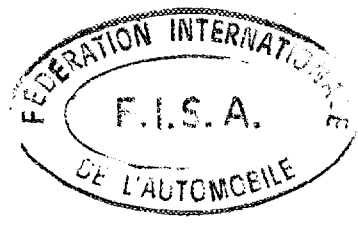


*[Handwritten Signature]*  
 Seite (Page) 1/\_\_\_\_

Marke General Motors Europe Modell Opel Kadett-E GSI 16V Homologations Nr. A 5369  
 Make Vauxhall Astra-E GTE 16V Homologation Nr.

Nachtrag Nr. 02 / 02 VO  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
	701a	Federbeinstützlager verstärkt einstellbar excentric Front suspension top mounting adjustable eccentric Type RC:- photo 72
		ne
	801	Schmutzabweiser Vorder und Hinterräder Dirt removal scoop - front and/or rear wheels photo 74
	803	Bremssattelhalter Calliper Mounting Bracket (Type A) photo 75
	803	" " (Type B) photo 76
	803	Bremscheibentopf mit oder ohne Dehnungs-schlitz Brake disc adaptor, with or without expansion slots photo 77
	803	Bremscheibentopf Brake disc adaptor Type A photo 78
	803	Bremsscheibentopf Brake disc adaptor photo 80



Marke General Motors Europe  
 Make

Modell Opel Kadett-E GSI 16V  
 Model

Homologations Nr. A5369  
 Homologation Nr.

Vauxhall Astra-E GTE 16V

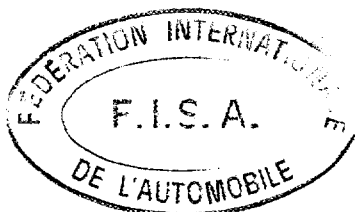
Nachtrag Nr. 02 / 02 VO  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
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803. Bremsen:  
Brakes:

Material of disc-carbon fibre

	Vorne <del>XXX</del> Hinten Rear	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	<u>2</u>	<u>2</u>
1) Bohrung Bore	<u>36.0 or 38.1 or 41.3</u> mm Photo 39	<u>36.0 or 38.1 or 41.3</u> mm Photo 61
g) Scheibenbremsen Disc brakes		
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	<u>2</u>	<u>2</u>
2) Anzahl der Sättel je Rad Number of calipers per wheel	<u>1</u> Photo 40 or Photo 79 Aluminium/Alloy	<u>1</u> Photo 40 or Photo 79 Aluminium/Alloy
3) Material der Bremssättel Caliper material		
4) Maximale Dicke der Scheibe Maximum disc thickness	<u>20.7</u> mm	<u>20.0 -4*</u> mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	<u>254</u> mm (± 1 mm)	<u>280</u> mm (± 1 mm) *tolerance of carbon fibre
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	<u>254</u> mm	<u>280</u> mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	<u>211</u> mm	<u>188</u> mm
8) Länge der Beläge über Alles Overall length of the shoes	<u>68.6</u> mm	<u>68.6</u> mm
9) Belüftete Scheiben Ventilated disc	ja / <del>XXX</del> yes/no <del>XXX</del>	ja / <del>XXX</del> yes/no <del>XXX</del>
10) Bremsfläche je Rad Braking surface per wheel	_____ qcm	_____ qcm





Marke General Motors Europe Modell Opel Kadett E GSI 16V Homologations Nr. A5369  
 Make \_\_\_\_\_ Model \_\_\_\_\_ Homologation Nr. \_\_\_\_\_

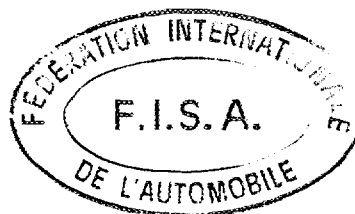
Vauxhall Astra GTE 16V

Nachtrag Nr. 02 / 02 V0  
 Ext. Nr. \_\_\_\_\_

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
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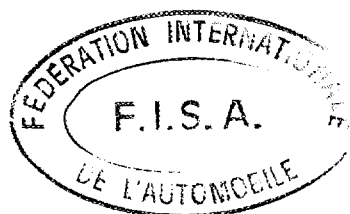
803. Bremsen:  
Brakes:

	Vorn Front	<del>Hinten</del> <del>Rear</del> Vorn Front
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	4	4
1) Bohrung Bore	41.3/44.5 mm Photo 37	41.3/44.5 mm Photo 37
g) Scheibenbremsen Disc brakes	2	2
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	1	1
2) Anzahl der Sättel je Rad Number of calipers per wheel	Photo 38	Photo 38
3) Material der Bremssättel Caliper material	Aluminium/Alloy	Aluminium/Alloy
4) Maximale Dicke der Scheibe Maximum disc thickness	28.1 or 32.0 mm	28.1 or 32.0 mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	325 mm (± 1 mm)	315 mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	325 mm	315 mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	220 mm	220 mm
8) Länge der Beläge über Alles Overall length of the shoes	131.32 mm	131.32 mm
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> yes/ <del>no</del>	ja / <del>nein</del> yes/ <del>no</del>
10) Bremsfläche je Rad Braking surface per wheel	_____ qcm	_____ qcm



Marke General Motors Europe Modell Opel Kadett-E GSI 16V Homologations Nr. A 5369  
 Make \_\_\_\_\_ Model \_\_\_\_\_ Homologation Nr. \_\_\_\_\_  
 Vauxhall Astra-E GTE 16V 02 / 02 V0  
 Nachtrag Nr. \_\_\_\_\_  
 Ext. Nr. \_\_\_\_\_

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
	605	Zusätzliche Achsübersetzungen Additional final drives b) 3.74 3.94 4.19 4.2 4.67 4.79 c) 71:19 71:18 67:16 63:15 56:12 67:14 b) 4.85 4.92 5.00 5.09 5.18 c) 63:13 64:13 55:11 56:11 57:11



Marke General Motors Europe Modell OPEL Kadett-E GSi Homologations Nr. A-5369  
 Make Vauxhall Astra-16V Model Vauxhall Astra-16V Homologation Nr. A-5369

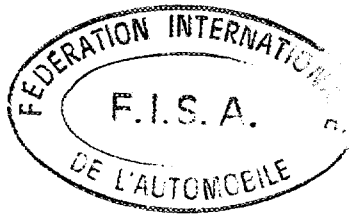
**02 / 02 v0**

Nachtrag Nr. \_\_\_\_\_  
 Ext. Nr. \_\_\_\_\_

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
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803. Bremsen:  
Brakes:

	Vorn Front	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel	4	
1) Bohrung Bore	42.8 mm photo 81	
g) Scheibenbremsen Disc brakes		
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	2	
2) Anzahl der Sättel je Rad Number of calipers per wheel	1	
3) Material der Bremssättel Caliper material	Aluminium/Light alloy	
4) Maximaie Dicke der Scheibe Maximum disc thickness	28/30/32 ± 1.5 mm	
5) Außendurchmesser der Scheibe Exterior diameter of the disc	330 ± 1.5 mm (± 1 mm)	
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	329 mm	
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	194 mm	
8) Länge der Beläge über Alles Overall length of the shoes	128 mm photo 82 & 83	
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> yes/no	ja / nein yes/no
10) Bremsfläche je Rad Braking surface per wheel	_____ qcm	_____ qcm



Marke General Motors Europe Modell Opel Kadett GSI 16V Homologations Nr. A5369  
Make Vauxhall Astra E GTE 16V Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 02 / 02 V0  
Ext. Nr.

Photo 66

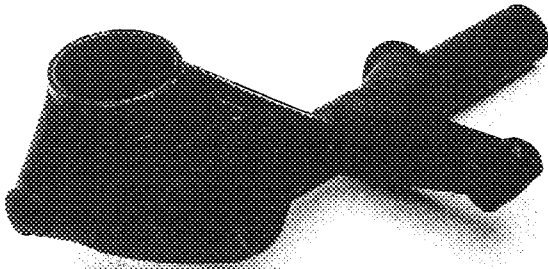


Photo 67

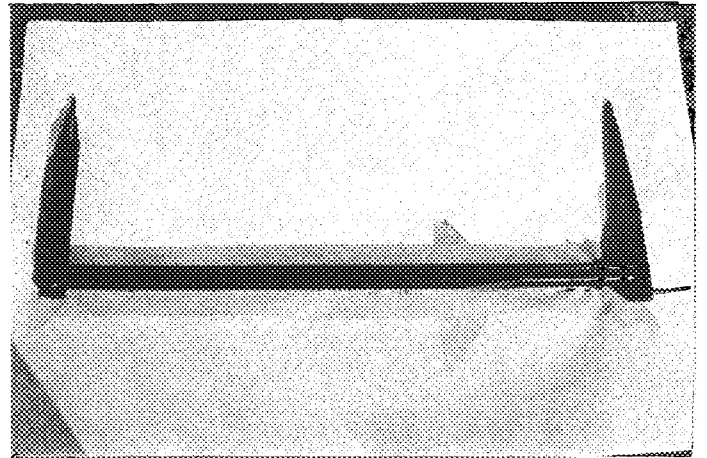


Photo 68

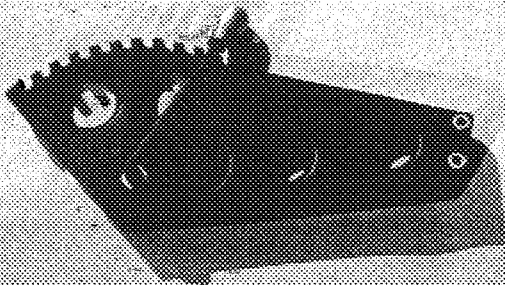
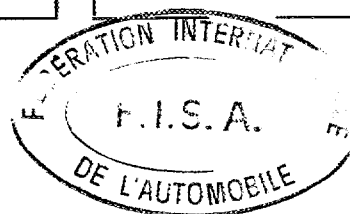
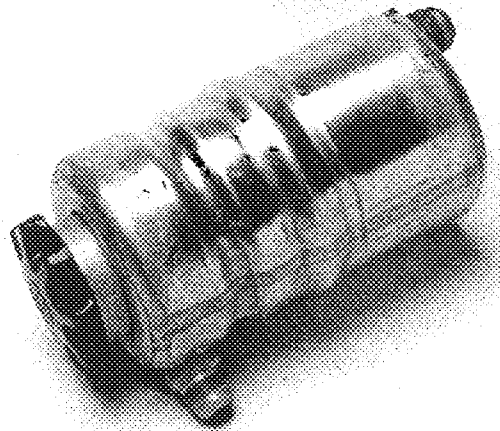


Photo 69





Marke General Motors Europe Modell Opel kadett GSI 16V Homologations Nr. A5369  
Make Vauxhall Astra E GTE 16V Homologation Nr.

Nachtrag Nr. 02 / 02 V0  
Ext. Nr.

Fotos  
Photos

Photo 72

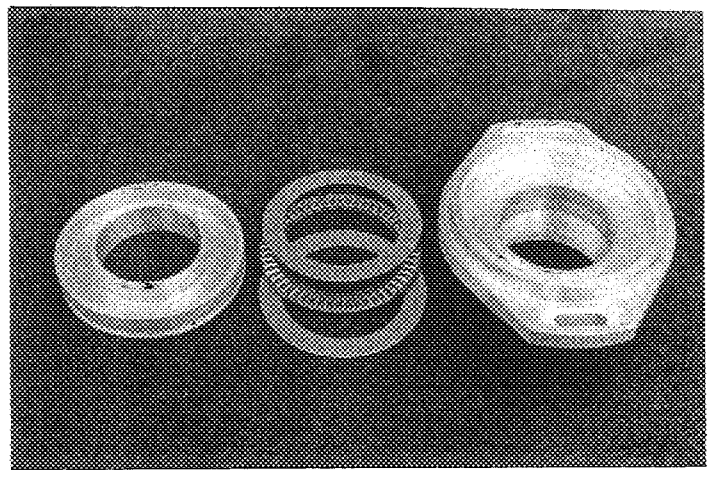


Photo 74

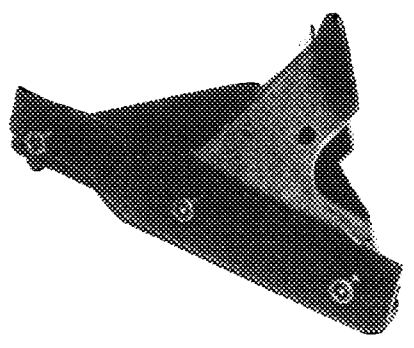


Photo 75

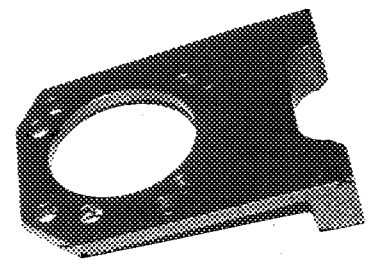


Photo 76

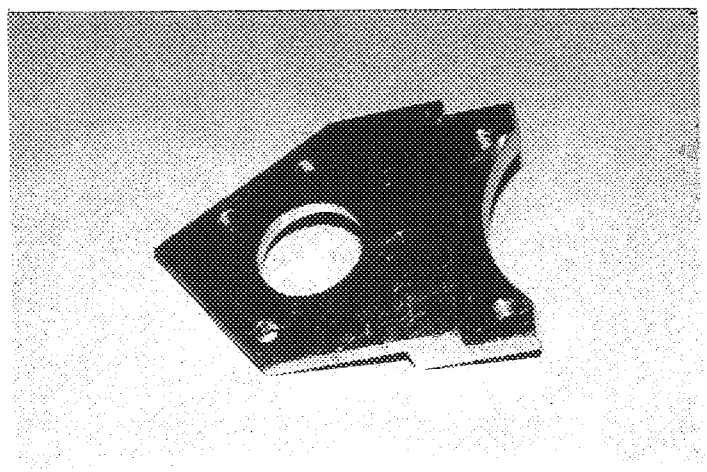
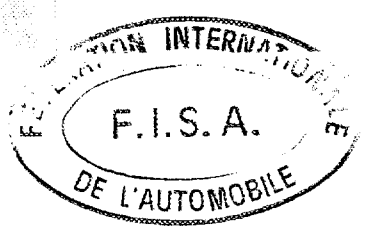
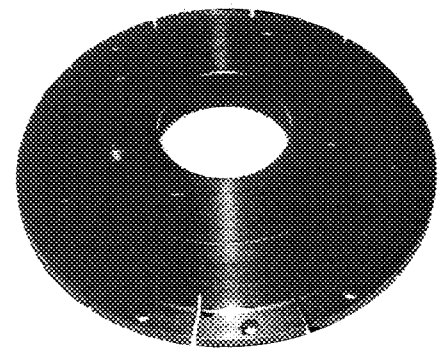


Photo 77



Fotos  
Photos

Nachtrag Nr.  
Ext. Nr.

Photo 78

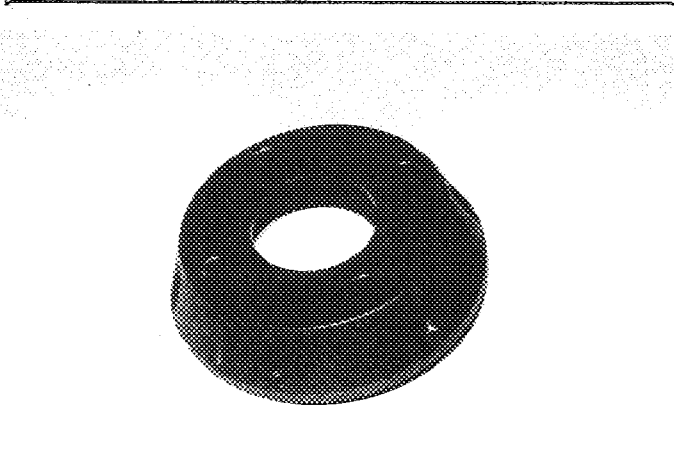


Photo 79

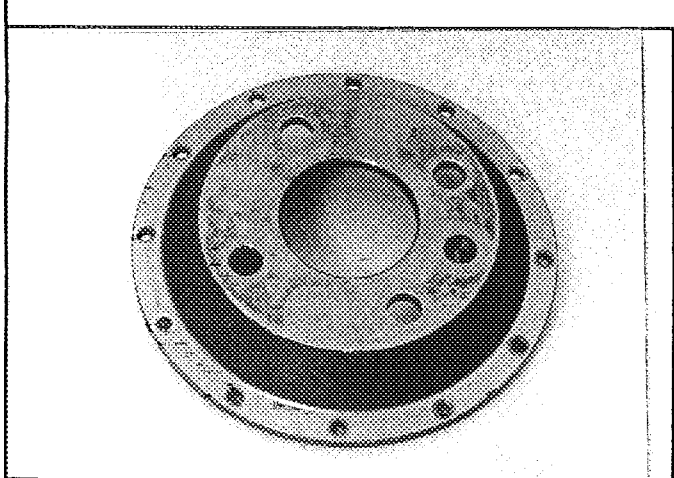
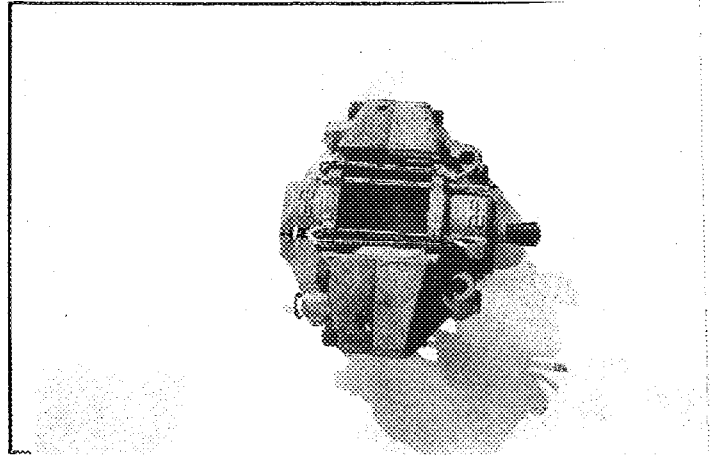


Photo 80

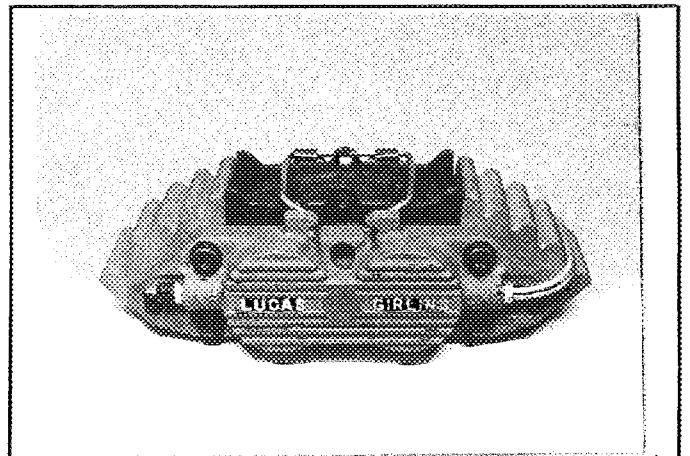


Photo 81

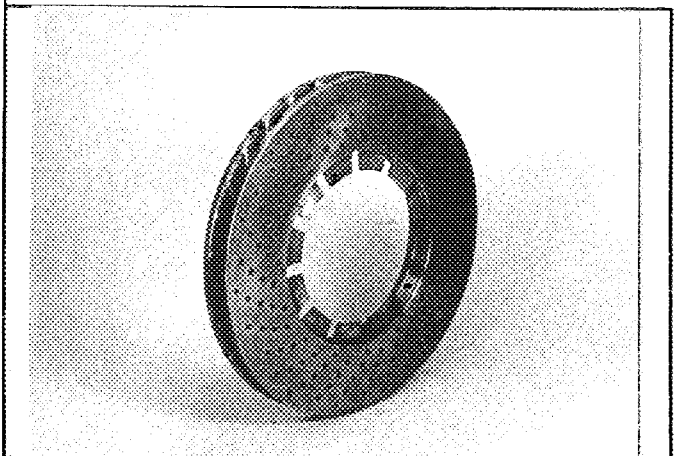


Photo 82

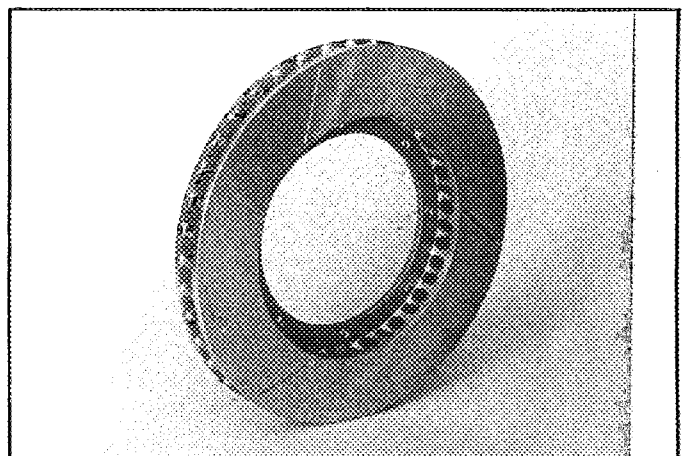
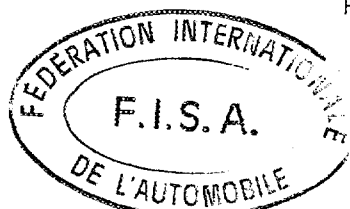


Photo 83



# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A - 5369

Nachtrag Nr.  
Extension Nr.

03 / 01 ER

## Nachtrag zum offiziellen Testblatt der FISA

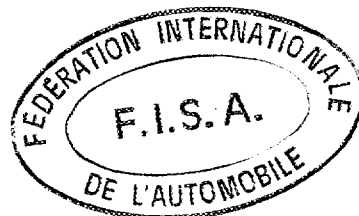
Form of extension to the official FISA-Homologation

- ET** Normale Weiterentwicklung des Typs; ab Fahrgestell -Nr.: \_\_\_\_\_  
Normal evolution of the type; as from chassis number;
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

Homologation gültig ab: 01 AVR. 1989 in Gruppe: A  
Homologation valid as from: \_\_\_\_\_ in group: \_\_\_\_\_

Hersteller: General Motors Europe Modell und Typ: OPEL Kadett-E GSi 16V  
Manufacturer: \_\_\_\_\_ Model and type: Vauxhall Astra-E GTE 16V

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
21	Photo	Photo 92 ersetzt Photo 9 auf Seite 21/ Photo 92 instead of Photo 9 on page 21
21	Photo	Photo 93 ersetzt Photo 7 auf Seite 21/ Photo 93 instead of Photo 7 on page 21





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A-5369

Extension N°

04 / 02 ER

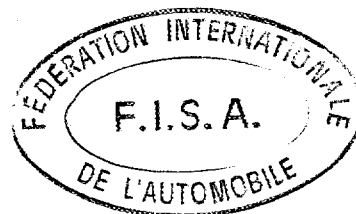
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 \_\_\_\_\_ en groupe \_\_\_\_\_  
Homologation valid as from 01 AVR. 1989 in group A

Constructeur \_\_\_\_\_ Modèle et type \_\_\_\_\_  
Manufacturer General Motors Europe Model and type Opel Kadett E GSI 16 V  
Vauxhall Astra GTE 16V

Page ou ext. Page or ext.	Art. Art.	Description Description
9	804b	22 instead of 17.1 : 1
9	804c	no instead of yes.



# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A - 5369

Nachtrag Nr.  
Extension Nr.

05 / 01 VF

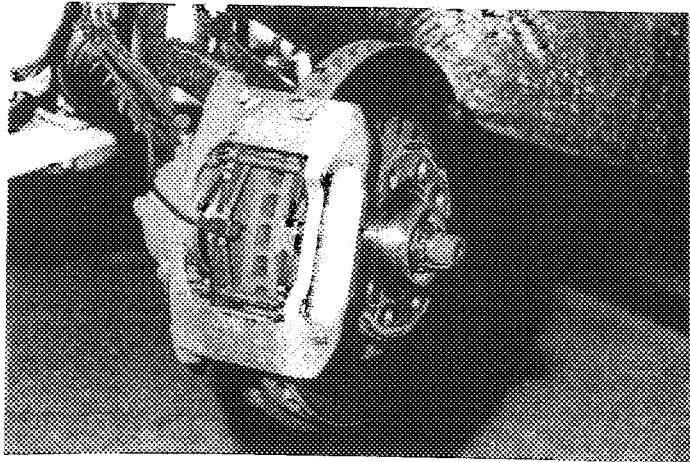
## Nachtrag zum offiziellen Testblatt der FISA

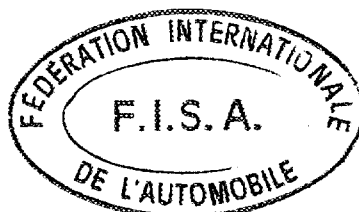
Form of extension to the official FISA-Homologation

- ET** Normale Weiterentwicklung des Typs; ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type as from chassis number:
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

Homologation gültig ab: 01. APR. 1989 in Gruppe: A  
Homologation valid as from: \_\_\_\_\_ in group: \_\_\_\_\_

Hersteller: General Motors Europe Modell und Typ: OPEL Kadett-E GSi 16V  
Manufacturer: \_\_\_\_\_ Model and type: Vauxhall Astra-E GTE 16V

Seite od. Nachtrag Page or ext	Artikel Art.	Beschreibung Description
8	803	<p>Änderung des Bremssattels und der Bremsbeläge durch unterschiedliche Lieferanten / Change of brake caliper and brake pads due to variant suppliers:</p> <p>g8 : 105 <math>\pm</math> 1.5mm</p> 





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

**A - 5369**

Extension N°

**06 / 03 VO**

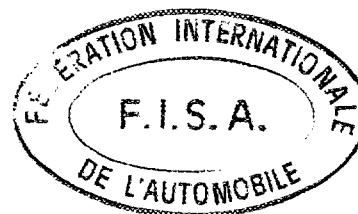
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 01 MAI 1989 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur GENERAL MOTORS EUROPE Modèle et type Kadett/Astra-E GSI/GTE 16V  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
	803	Bremsen / Brakes



Marke General Motors Europe  
 Make

Modell OPEL Kadett-E GSi 16V  
 Model Vauxhall Astra-E GTE 16V

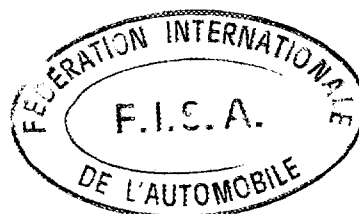
Homologations Nr. A - 5369  
 Homologation Nr.

Nachtrag Nr. 06 / 03 VO  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
------------------------------------	-----------------	-----------------------------

803. Bremsen:  
 Brakes

	Vorn Front	Hinten Rear
e) Anzahl der Zylinder je Rad Number of cylinders per wheel:	4	4
1) Bohrung Bore	36/40 mm	38/34 mm
g) Scheibenbremsen Disc brakes	Photo 84	Photo 85
1) Anzahl der Bremsbeläge je Rad Number of pads per wheel	2	2
2) Anzahl der Sättel je Rad Number of calipers per wheel	1 Photo 86 & 87	1 Photo 88 & 76
3) Material der Bremssättel Caliper material	Aluminium/Light alloy	
4) Maximale Dicke der Scheibe Maximum disc thickness	28.1 ± 1.5 mm	24.1 ± 1.5 mm
5) Außendurchmesser der Scheibe Exterior diameter of the disc	305 mm (± 1 mm)	278 mm (± 1 mm)
6) Außendurchmesser der Belagfläche Exterior diameter of the shoes rubbing surface	304.5 mm	277.5 mm
7) Innendurchmesser der Belagfläche Interior diameter of the shoes rubbing surface	202.5 mm	187.0 mm
8) Länge der Beläge über Alles Overall length of the shoes	132 mm	89 ± 2 mm
9) Belüftete Scheiben Ventilated disc	ja / <del>nein</del> yes / <del>no</del>	ja / <del>nein</del> yes / <del>no</del>
10) Bremsfläche je Rad Braking surface per wheel	_____ qcm	_____ qcm



Marke General Motors Europe  
 Make

Modell OPEL Kadett-E GSi 16V  
 Model Vauxhall Astra-E GTE 16V

Homologations Nr. A - 5369  
 Homologation Nr.

Nachtrag Nr. 06 / 03 VO  
 Ext. Nr.

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
------------------------------------	-----------------	-----------------------------

803. Bremsen:  
 Brakes:

e) Anzahl der Zylinder je Rad  
 Number of cylinders per wheel

1) Bohrung  
 Bore

g) Scheibenbremsen  
 Disc brakes

1) Anzahl der Bremsbeläge je Rad  
 Number of pads per wheel

2) Anzahl der Sättel je Rad  
 Number of calipers per wheel

3) Material der Bremssättel  
 Caliper material

4) Maximale Dicke der Scheibe  
 Maximum disc thickness

5) Außendurchmesser  
 der Scheibe  
 Exterior diameter of the disc

6) Außendurchmesser  
 der Belagfläche  
 Exterior diameter of the shoes rubbing surface

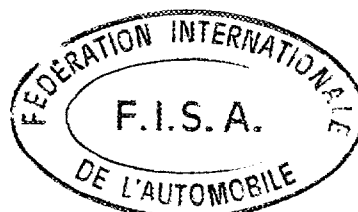
7) Innendurchmesser  
 der Belagfläche  
 Interior diameter of the shoes rubbing surface

8) Länge der Beläge über Alles  
 Overall length of the shoes

9) Belüftete Scheiben  
 Ventilated disc

10) Bremsfläche je Rad  
 Braking surface per wheel

Vorn Front	<del>XXXXX</del> Vorn/ <del>XXXX</del> Front
4	4
38/42 mm	38/42 mm
Photo 89	Photo 90
2	2
1	1
Photo 91 & 87	Photo 91 & 87
Aluminium/Light alloy	Aluminium/Light alloy
32.1 ± 1.5 mm	32.1 mm
332 mm (± 1 mm)	355 mm (± 1 mm)
331.5 mm	354.5 mm
229.5 mm	252.5 mm
132 mm	132 mm
ja / <del>XXX</del> yes/no <del>XXX</del>	ja / <del>XXX</del> yes/no <del>XXX</del>
qcm	qcm





Marke General Motors Europe  
Make

Modell OPEL Kadett-E GSi 16V  
Modell Vauxhall Astra-E GTE 16V

Homologations Nr. A - 5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 06 / 03 VO  
Ext. Nr.

Photo 84

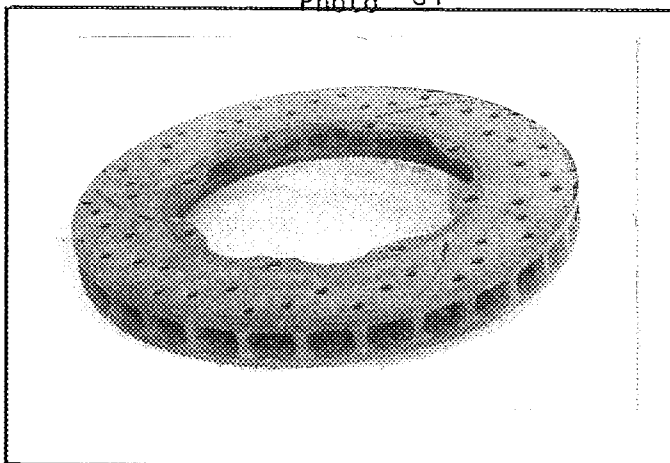


Photo 85

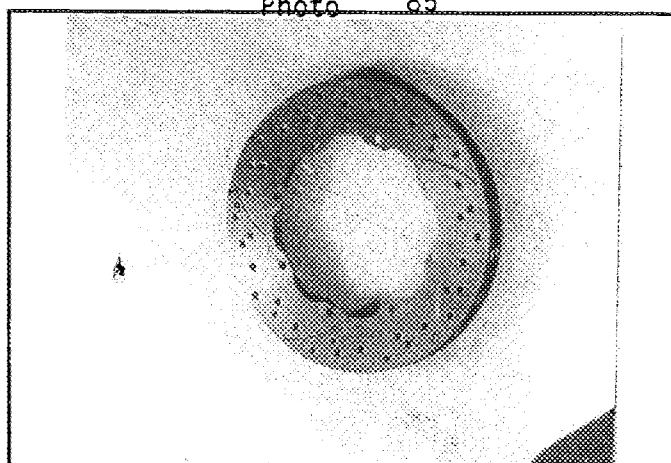


Photo 86

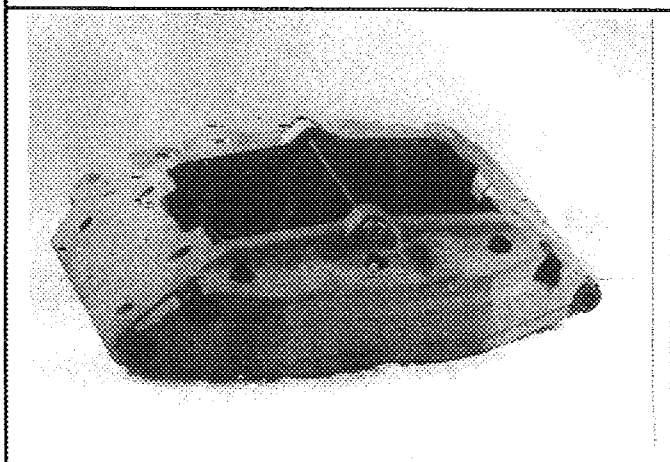


Photo 87

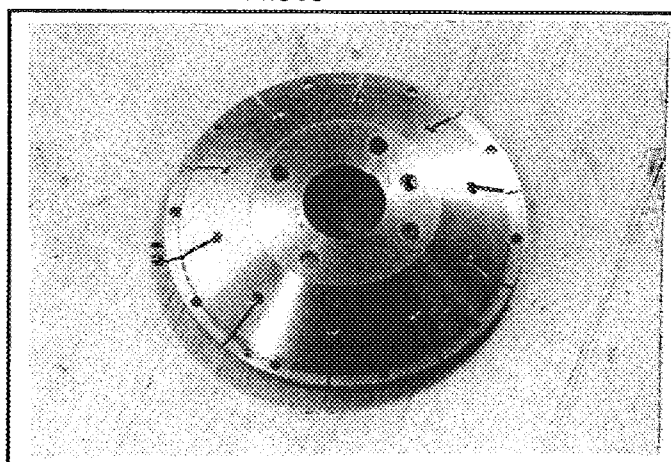


Photo 88

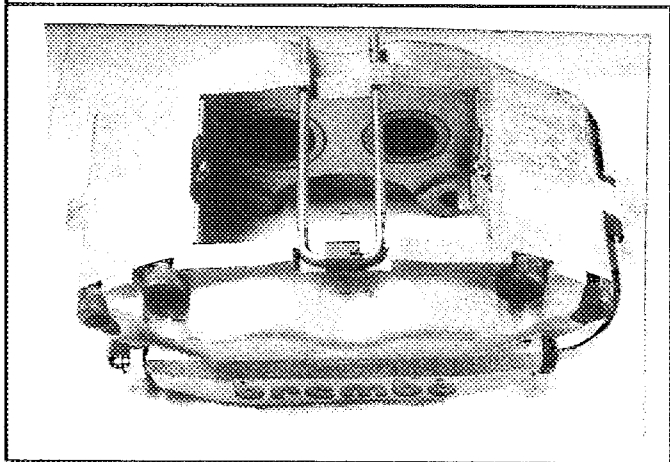
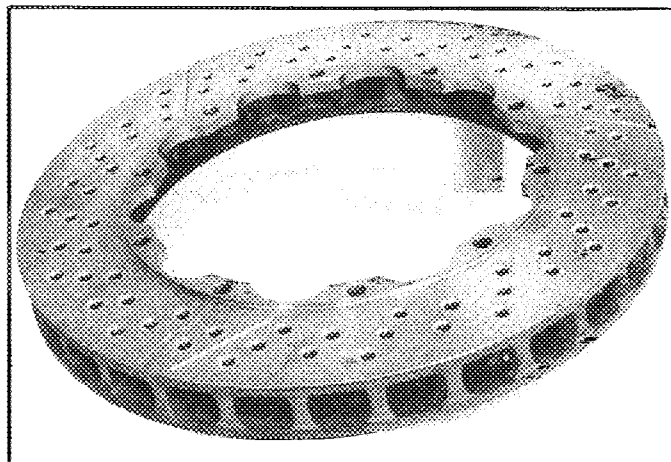


Photo 89



Marke General Motors Europe  
Make

Modell OPEL Kadett-E GSi 16V  
Model Vauxhall Astra-E GTE 16V

Homologations Nr. A - 5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 06 / 03 V6  
Ext. Nr.

Photo 90

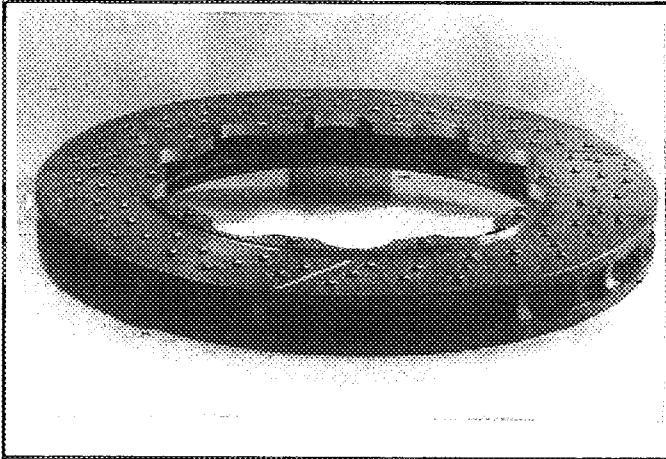


Photo 91

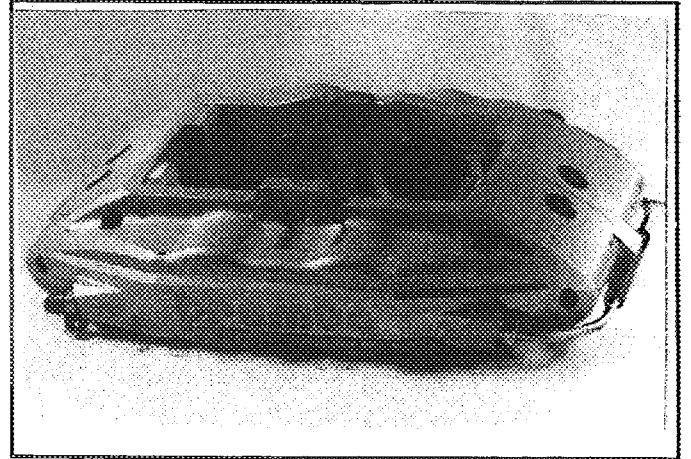


Photo 92

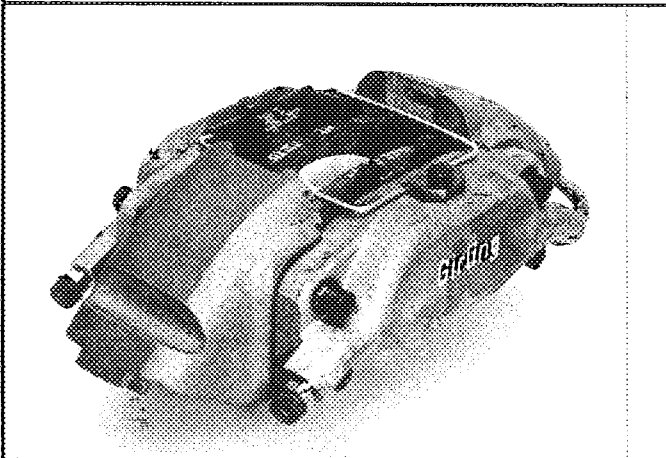
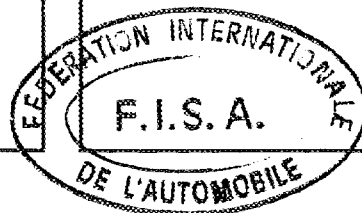
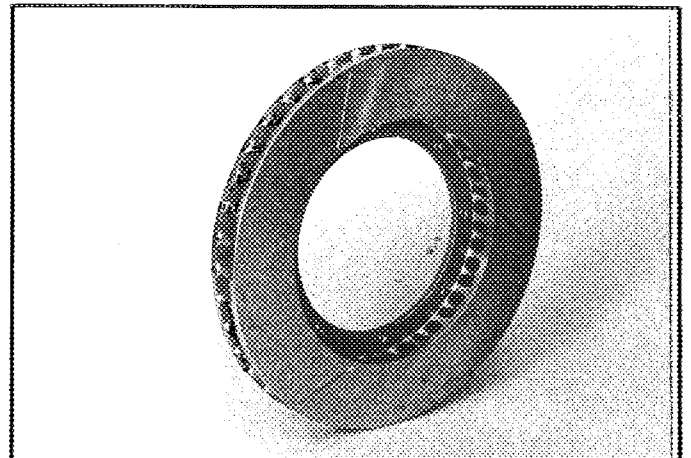


Photo 93



# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A - 5369

Nachtrag Nr.  
Extension Nr.

07 - 01E5

## Nachtrag zum offiziellen Testblatt der FISA

Form of extension to the official FISA-Homologation

- ET Normale Weiterentwicklung des Typs: ab Fahrgesteil -Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number:
- ES Sportevolution  
Sporting evolution
- VF Liefervariante  
Supply variant
- VO Ausstattungsvariante  
Option variant
- ER Berichtigung  
Erratum

Homologation gültig ab:  
Homologation valid as from

01 MAI 1989

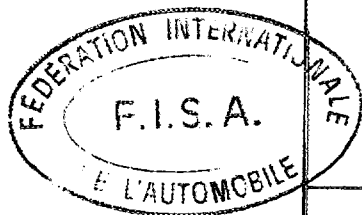
in Gruppe:  
in group

A

Hersteller: General Motors Europe  
Manufacturer

Modell und Typ: OPEL Kadett-E GSI 16V E  
Model and type: Vauxhall Astra-E GTE 16V E

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
1	102	Bezeichnung/Model name : Kadett/Astra Evolution Neues Ausstattungspaket/Change of a new package:
9	804	Lenkung/Steering: c) Lenkhilfe/Power steering ja/yes Übersetzungsverhältnis/Ratio : 17.1 : 1
6	603	e) Übersetzungen / Ratios:



	Handschaltung Manual			Automatik Automatic			Zusätzl. Getriebe Additional: G B		
	Über- setzungen ratio	Anzahl der Zähne number of teeth	synchro.	Über- setzungen ratio	Anzahl der Zähne number of teeth	synchro.	Über- setzungen ratio	Anzahl der Zähne number of teeth	synchro.
1	3.55	39:11	X				2.31	30:13	
2	2.16	41:19	X				1.69	27:16	
3	1.48	34:22	X				1.39	25:18	
4	1.13	35:31	X				1.20	24:20	
5	0.89	31:35	X				1.05	23:22	
Rück- wärts R	3.33	$\frac{27 \cdot 40}{12 \cdot 27}$					3.33	$\frac{27 \cdot 40}{12 \cdot 27}$	

# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A-5369

Nachtrag Nr.  
Extension Nr.

08 / 02 VF

## Nachtrag zum offiziellen Testblatt der FISA

Form of extension to the official FISA-Homologation

- ET** Normale Weiterentwicklung des Typs: ab Fahrgesteil-Nr.: \_\_\_\_\_  
Normal evolution of the type, as from chassis number.
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

Homologation gültig ab: 01 MAI 1989 in Gruppe: A  
Homologation valid as from

Hersteller: General Motors Europe Modell und Typ: OPEL Kadett-E GSi 16V  
Manufacturer: Vauxhall Astra-E GTE 16V

Seite od. Nachtrag Page or ext	Artikel Art.	Beschreibung Description
3	321	Zylinderkopf/Cylinder head Photo F, Photo G In der Produktion 2 unterschiedliche Lieferanten/ In the production 2 different suppliers

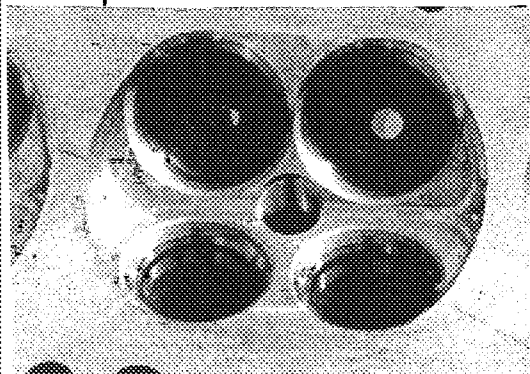


Photo F

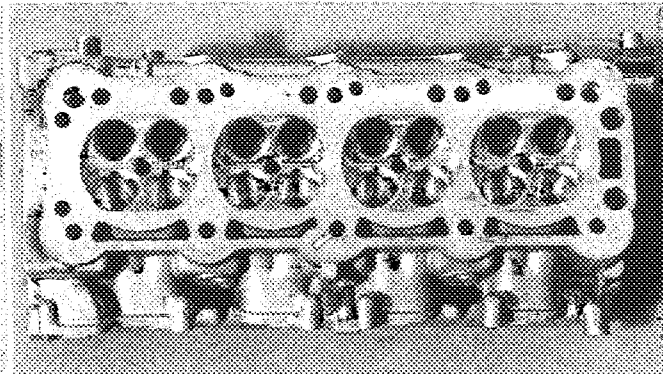
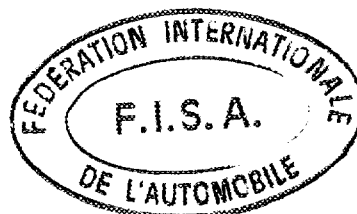


Photo G

Zylinderköpfe im kanal im Einlaßventil bereich stellenweise serienmäßig bearbeitet/In the production the cylinder heads intake ports in the area of inlet valves are partially re-worked.



# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A-5369

Nachtrag Nr.  
Extension Nr.

**09 / 03 ER**

## Nachtrag zum offiziellen Testblatt der FISA

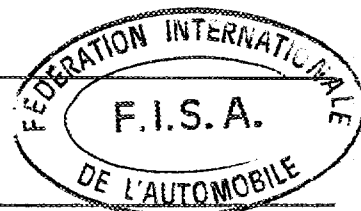
Form of extension to the official FISA-Homologation

- ET** Normale Weiterentwicklung des Typs: ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number.
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

Homologation gültig ab: 01 MAI 1989 in Gruppe: A  
Homologation valid as from: \_\_\_\_\_ in group: \_\_\_\_\_

Hersteller: General Motors Europe Modell und Typ: OPEL Kadett-E GS1 16V  
Manufacturer: \_\_\_\_\_ Model and type: Vauxhall Astra-E GTE 16V

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
3	318	e) Mindestgewicht/Minimum weight 690 gr anstelle von/instead of 610 gr
3	319	h) Mindestgewicht der Kurbelwelle/Minimum weight of the bare Crankshaft 14800 gr anstelle von/instead of 14500 gr
3	320	b) Mindestgewicht mit Anlaßzahnkranz/minimum weight of the flywheel with starter ring 6480gr anstelle von/instead of 5840gr
5	401	d) Maximum Inhalt/Maximum capacity 57.5 Liter anstelle von/instead of 52 Liter
8 05/01 VF	803	g8 : 116 ± 1.5 mm anstelle von/instead of 105 ± 1.5 mm
12		Photo I Neu/New Einlaßkrümmer / Inlet manifold Photo J Neu/New Auslaßkrümmer / Exhaust manifold
13		Photo Y Neu/New Schiebe-Hebedach / Sun roof
03/01 ER		Photo 92 und/and 93 für Nachtrag / For extension



*[Handwritten signature]*

Marke General Motors Europe  
Make

OPEL Kadett-E GSi 16V  
Modell  
Model Vauxhall Astra-E GTE 16V

Homologations Nr. A-5369  
Homologation Nr.

Fotos  
Photos

Nachtrag Nr. 09/03 ER  
Ext. Nr.

Photo I

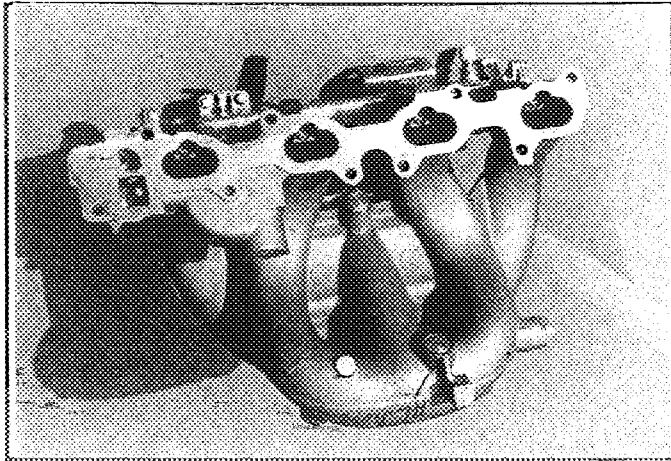


Photo J

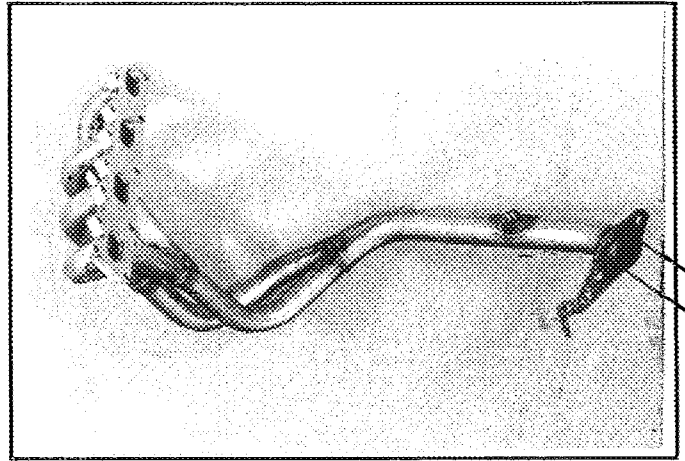


Photo Y

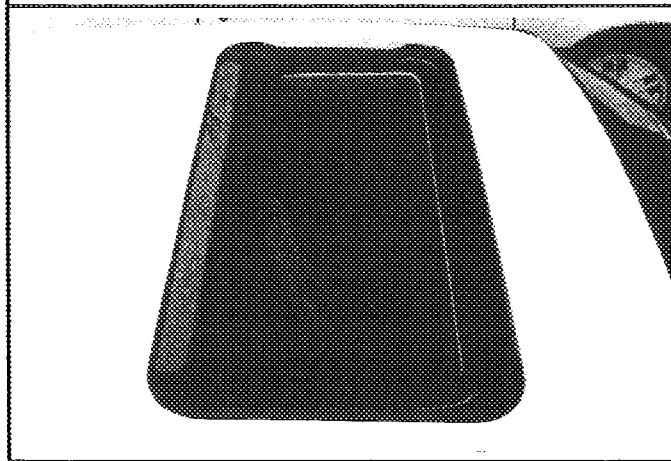


Photo 92

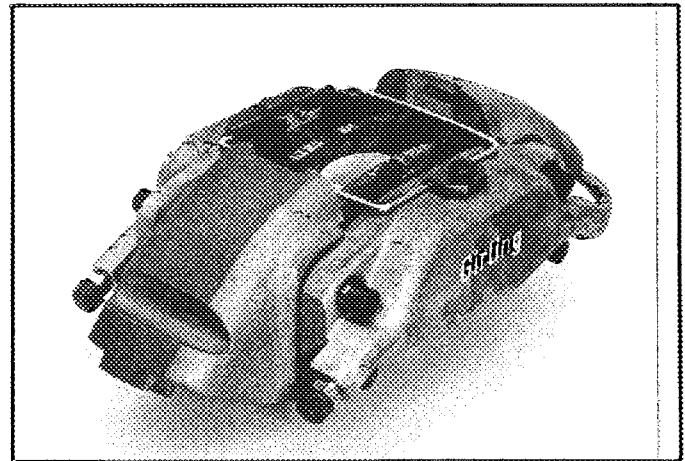
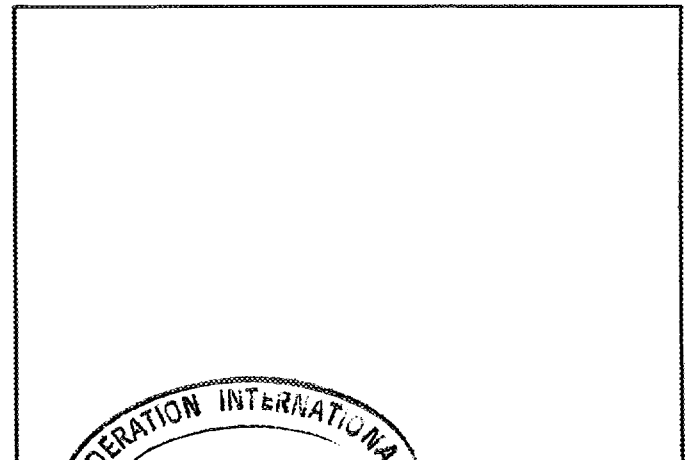
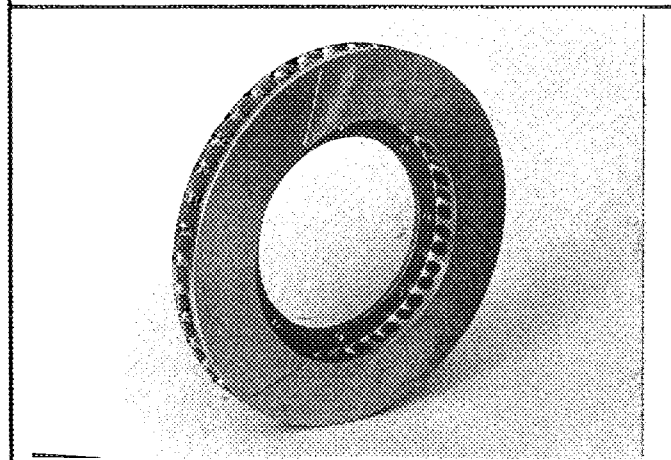


Photo 93



# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS - Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A - 5369

Nachtrag Nr.  
Extension Nr.

10 / 04 VO

## Nachtrag zum offiziellen Testblatt der FISA

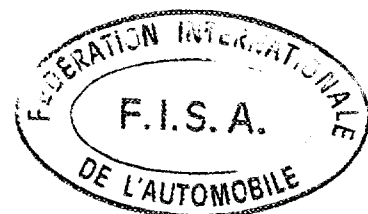
Form of extension to the official FISA-Homologation

- ET Normale Weiterentwicklung des Typs: ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type, as from chassis number:
- VF Liefervariante  
Supply variant
- VO Ausstattungsvariante  
Option variant
- ER Berichtigung  
Erratum

Homologation gültig ab: 01 JULI 1989 in Gruppe: A  
Homologation valid as from in group

Hersteller: GENERAL MOTORS EUROPE Modell und Typ: Opel Kadett-E GSi 16V /  
Manufacturer Model and type: Vauxhall Astra-E GTE 16V

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
	604a	Heavy duty steering column / Verstärkte Lenkung Photo 94
9	604c	YES / Ya
9	604b	17:1
20	803	Bremssattel hinten zu Bremsscheibe Ø 250mm / Caliper rear to disc Ø 250mm : e1) 33.9mm g3: Guß/Cast iron Photo 95
7	605	b) 3.42 c) 65:19



GENERAL MOTORS EUROPE  
Marke \_\_\_\_\_  
Make \_\_\_\_\_

Opel Kadett-E GSi 16V  
Vauxhall Astra-E GTE 16V  
Modell \_\_\_\_\_  
Model \_\_\_\_\_

Homologations Nr. A-5369  
Homologation Nr. \_\_\_\_\_

Fotos  
Photos

Nachtrag Nr. 10 / 04 VO  
Ext. Nr. \_\_\_\_\_

Photo 94

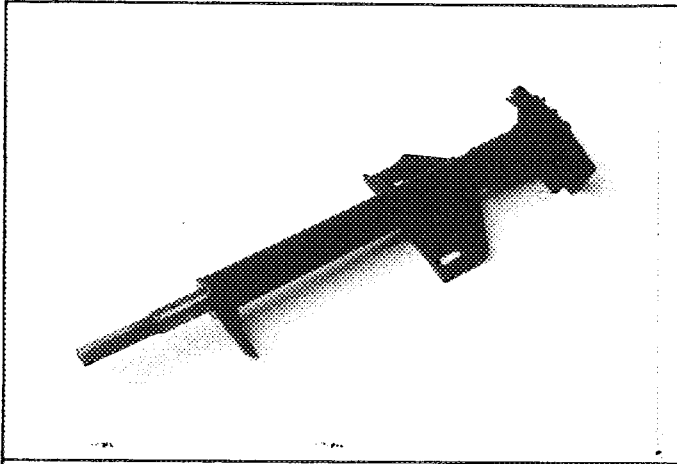
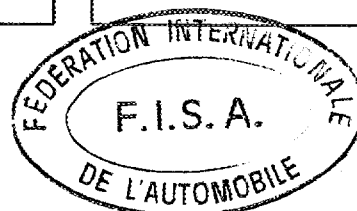
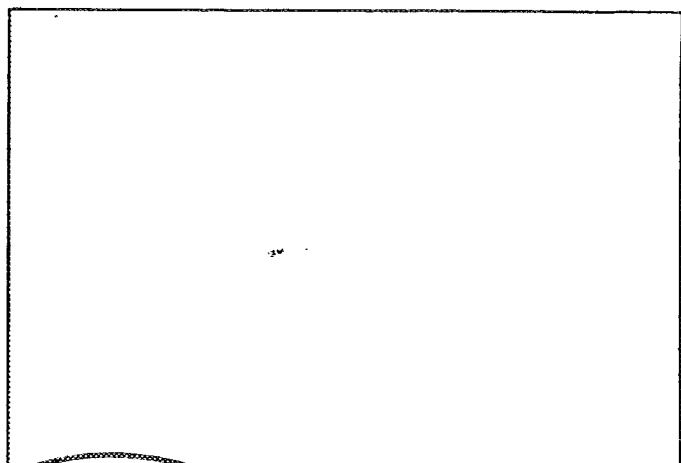
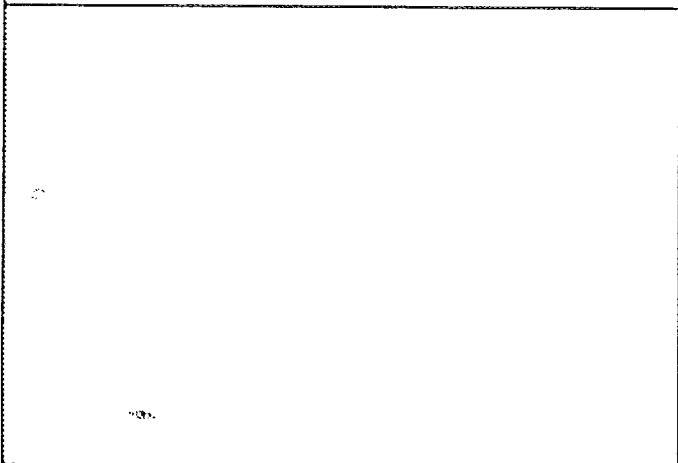
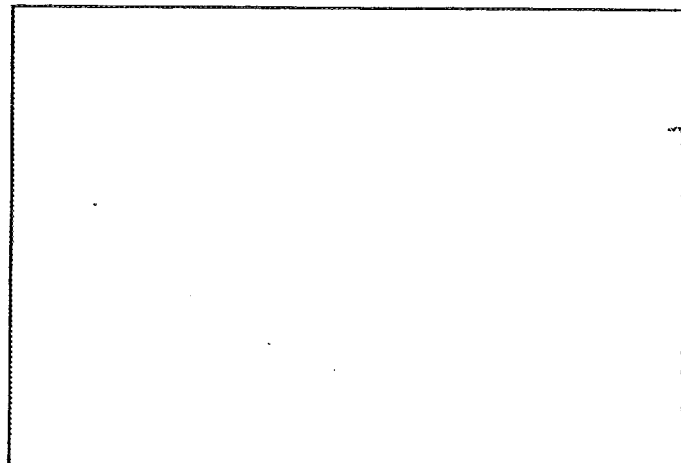
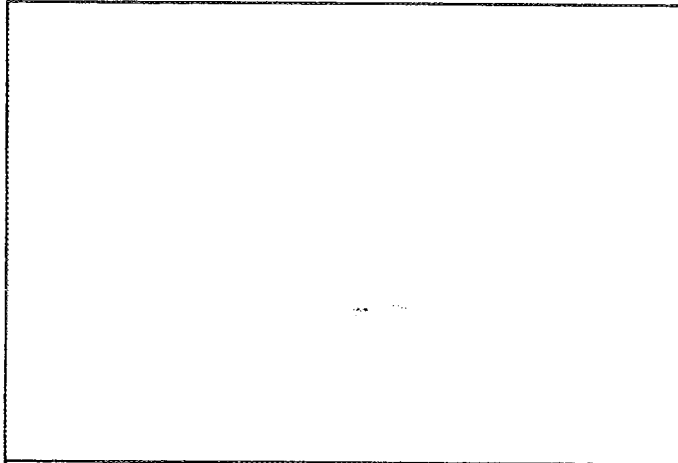
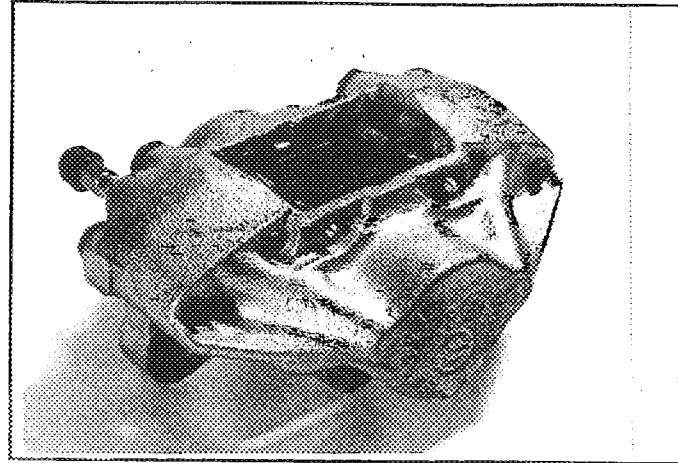


Photo 95





# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A-5369

Nachtrag Nr.  
Extension Nr.

11 / 04 ER

## Nachtrag zum offiziellen Testblatt der FISA

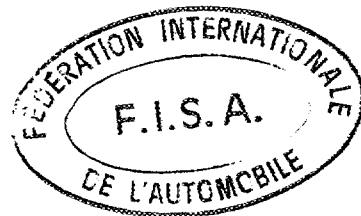
Form of extension to the official FISA-homologation.

- ET Normale Weiterentwicklung des Typs: ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number.
- ES Sportevolution  
Sporting evolution
- VF Liefervariante  
Supply variant
- VO Ausstattungsvariante  
Option variant
- ER Berichtigung  
Erratum

Homologation gültig ab: 01 JULI 1989 in Gruppe: A  
Homologation valid as from in group

Hersteller: General Motors Europe Modell und Typ: OPEL Kadett-E GSi 16V  
Manufacturer Model and type Vauxhall Astra-E GTE 16V

Seite od. Nachtrag <small>Page or ext.</small>	Artikel <small>Art.</small>	Beschreibung <small>Descriptor.</small>
06 / 03VO	803	g8: Bremsen hinten / Brakes rear Länge der Beläge über Alles/Overall length of the shoes 98 ± 2mm anstelle/instead of 89 ± 2mm



**FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE**  
**ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH**

Homologation Nr.

A-5369

Nachtrag Nr.  
Extension Nr.

**12 / 05 ER**

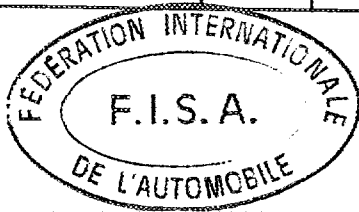
**Nachtrag zum offiziellen Testblatt der FISA**  
 Form of extension to the official FISA-Homologation

- ET** Normale Weiterentwicklung des Typs: ab Fahrgestell -Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number:
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

Homologation gültig ab: 01 OCT. 1989 in Gruppe: A  
Homologation valid as from in group

Hersteller: General Motors Europe Modell und Typ: Opel Kadett-E GSI 16V  
Manufacturer Model and type Vauxhall Astra-E GTE 16V

Seite od. Nachtrag Page or ext.	Artikel Art	Beschreibung Description
33	803	Photo 96 ersetzt Photo 7 / Photo 96 replaced Photo 7 REF. 01/01 VO
33	803	Photo 97 ersetzt Photo 9 / Photo 97 replaced Photo 9 REF. 01/01 VO



*[Handwritten signature]*

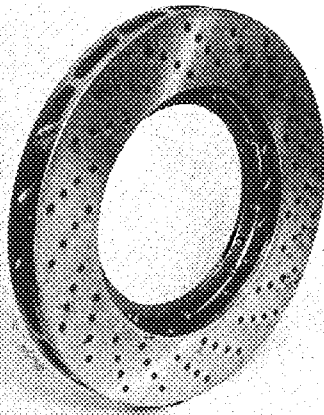


Photo 96

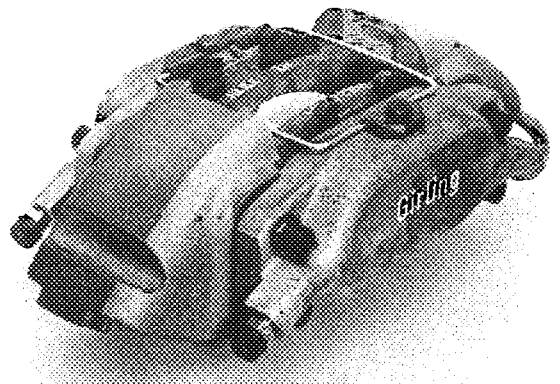


Photo 97

# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A-5369

Nachtrag Nr.  
Extension Nr.

13 / 05 VO

## Nachtrag zum offiziellen Testblatt der FISA

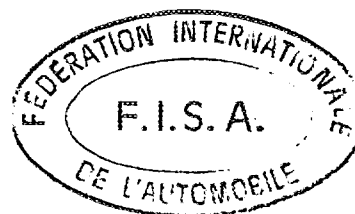
Form of extension to the official FISA-Homologation

- ET** Normale Weiterentwicklung des Typs: ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number:
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

Homologation gültig ab: 01 JAN. 1990 in Gruppe: A  
Homologation valid as from: in group

Hersteller: General Motors Europe Modell und Typ: OPEL Kadett-E GSi 16V  
Manufacturer: Vauxhall Astra-E GTE 16V

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
1	Photo A	Frontansicht ohne Nummernschild / Front view without number plate. Photo 98



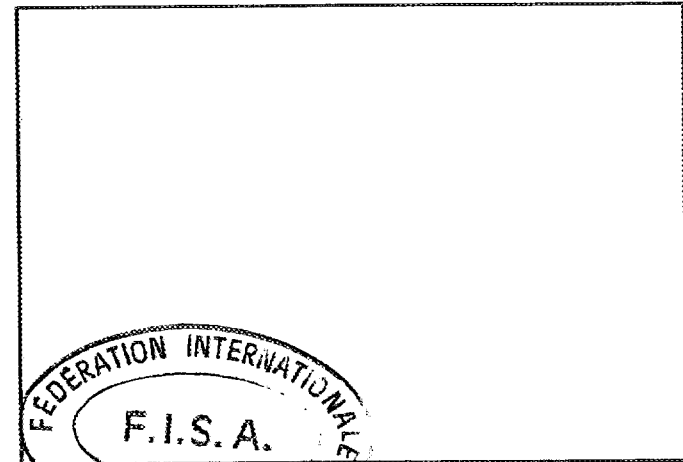
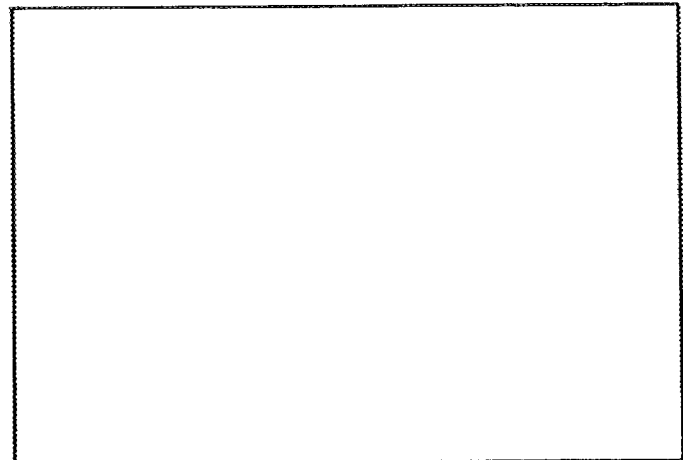
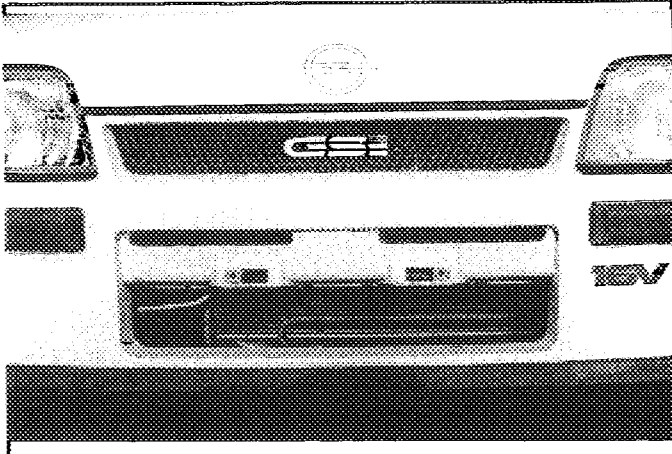
Marke General Motors Europe Modell OPEL Kadett-E GSi 16V Homologations Nr. A-5369  
Make Vauxhall Astra-E GTE 16V Homologation Nr.

**13 / 05 VO**

Fotos  
Photos

Nachtrag Nr. \_\_\_\_\_  
Ext. Nr. \_\_\_\_\_

Photo 98



A - 5369

14 / 08 VO

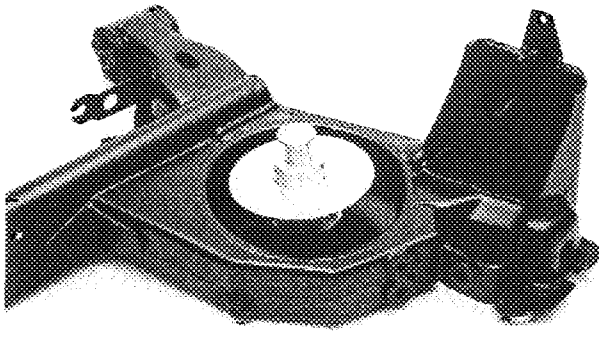
Nachtrag zum offiziellen Testblatt der FISA

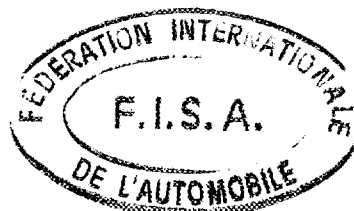
Form of extension to the official FISA-Homologation.

- ET** Normale Weiterentwicklung des Typs: ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number
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- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

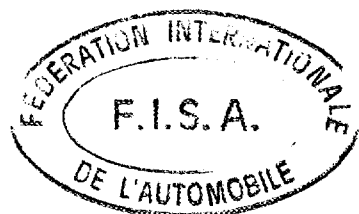
Homologation gültig ab: 01 AVR. 1990 in Gruppe: \_\_\_\_\_  
Homologation valid as from: in group

Hersteller: General Motors Europe Modell und Typ: OPEL Kadett-E GSi 16V  
Manufacturer: Model and type  
Vauxhall Astra-E GTE 16V

Seite od. Nachtrag <small>Page or ext.</small>	Artikel <small>Art.</small>	Beschreibung <small>Description</small>
	701b	Verstellbare Federaufnahme/Adjustable Spring Platform Type RP 1  <div style="text-align: center;">  <p>Photo 99</p> </div>



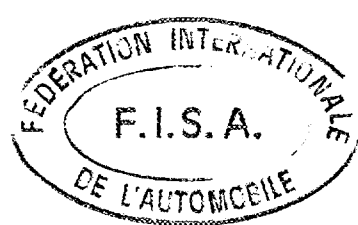
Seite od. Nachtrag Page or ext	Artikel Art	Beschreibung Description																																																																
8/9/13	803	<p>Bremsen / Brakes:</p> <p>Vordere und/oder hintere Bremssättel, unterschiedliche Anbringung / Front and/or rear brake caliper, different mounting.</p> <table border="1" data-bbox="478 705 1524 1411"> <thead> <tr> <th></th> <th>Typ BRE</th> <th>Typ</th> <th>Typ</th> <th>Typ</th> <th>Typ</th> <th>Typ</th> <th>Typ</th> </tr> </thead> <tbody> <tr> <td>e)</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>e1) mm</td> <td>36/40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>g1)</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>g2)</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>g3)</td> <td>Alumin./ Alloy</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>g8) mm</td> <td>131.3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Photo</td> <td>102</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Bremssättel wahlweise mit und/oder ohne Steinschlag- schutz / Brake caliper optional with and/or stone guard</p>		Typ BRE	Typ	Typ	Typ	Typ	Typ	Typ	e)	4							e1) mm	36/40							g1)	2							g2)	1							g3)	Alumin./ Alloy							g8) mm	131.3							Photo	102						
	Typ BRE	Typ	Typ	Typ	Typ	Typ	Typ																																																											
e)	4																																																																	
e1) mm	36/40																																																																	
g1)	2																																																																	
g2)	1																																																																	
g3)	Alumin./ Alloy																																																																	
g8) mm	131.3																																																																	
Photo	102																																																																	



**14 / 0 6 VO**

Nachtrag Nr. \_\_\_\_\_  
 Ex. Nr. \_\_\_\_\_

Seite od. Nachtrag Page or Ext.	Artikel Art.	Beschreibung Description										
8/9/13	803	Bremsen / Brakes:										
		Vordere und/oder hintere Bremsscheiben, Scheiben mit oder ohne Nuten und/oder mit oder ohne Bohrungen/ Front and/or rear brake discs, discs may be with or without grooves and/or with or without cross-drillings										
		<table border="1"> <thead> <tr> <th>Typ</th> <th>Typ</th> <th>Typ</th> <th>Typ</th> <th>Tolerance</th> </tr> </thead> <tbody> <tr> <td>BRE</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Typ	Typ	Typ	Typ	Tolerance	BRE				
Typ	Typ	Typ	Typ	Tolerance								
BRE												
	g4) mm	28.0			+/- 1							
	g5) mm	320.0			+ 1.5							
	g6) mm	318.0			+ 1.5							
	g7) mm	220			+ 1.5							
	g9)	ja/yes										
	Photo	100/101/103										
		Durch unterschiedliche Verwendung der Bremssättel kann die bestrichene Bremsfläche kleiner sein, Scheiben mit oder ohne Bremsabdeckblech/Actual swept area may be less depending on brake caliper used, brake discs with or without brake cover plate.										



Marke General Motors Europe Modell OPEL Kadett-E GSI 16V Homologations Nr. A-5369  
Make Vauxhall Astra-E GTE 16V Homologation Nr.

**14 / 06 70**

Fotos  
Photos

Nachtrag Nr.  
Ext. Nr.

Photo 100

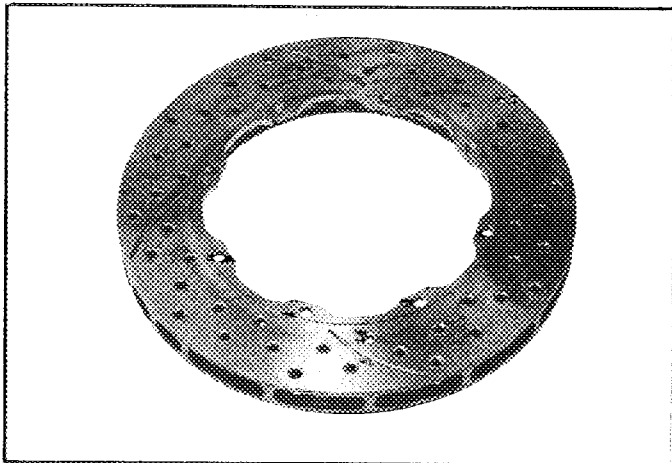


Photo 101

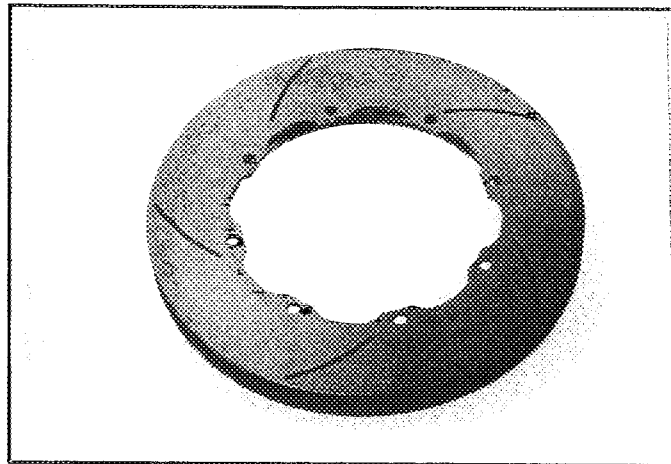


Photo 102

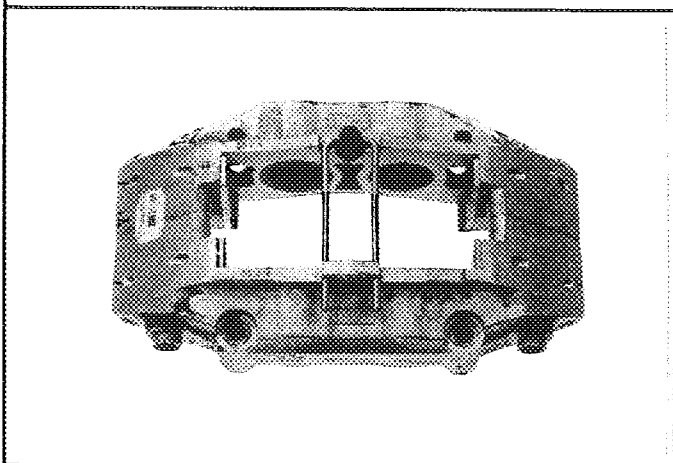
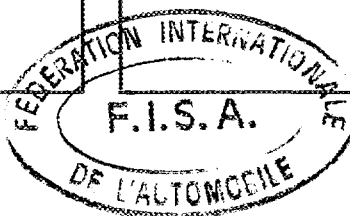
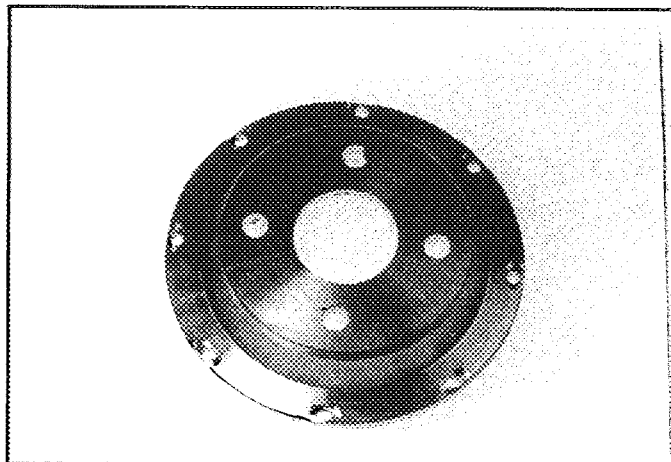


Photo 103





# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A-5369

Nachtrag Nr.  
Extension Nr.

**15 / 07 VO**

## Nachtrag zum offiziellen Testblatt der FISA

Form of extension to the official FISA-Homologation

ET Normale Weiterentwicklung des Typs: ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type as from chassis number:

VF Liefervariante  
Supply variant

VO Ausstattungsvariante  
Option variant

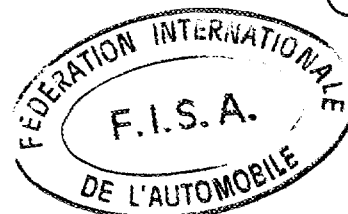
ER Berichtigung  
Erratum

**01 JUL. 1990**

Homologation gültig ab: \_\_\_\_\_ in Gruppe: **A**  
Homologation valid as from: \_\_\_\_\_ in group

Hersteller: General Motors Europe Modell und Typ: Opel Kadett E GSi 16V  
Manufacturer: \_\_\_\_\_ Model and type: Vauxhall Astra E GTE 16V

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
	704	Anti roll bar rear, adjustable mounting with brackets. Stabilisator mit Halter hinten, einstellbar Type : RP Photo 104
	801	a) Durchmesser/Diameter vorn/front 15" / 381.0mm Hinter/rear 15" / 381.0mm
	902	Anzahl der Türen/number of doors : 4 Photo 105/106



Marke General Motors Europe Modell OPEL Kadett-E GSi 16V Homologations Nr. A-5369  
Make Vauxhall Astra-E GTE 16V Homologation Nr. 15/07VO

Fotos  
Photos

Nachtrag Nr. \_\_\_\_\_  
Ext. Nr. \_\_\_\_\_

Photo 104

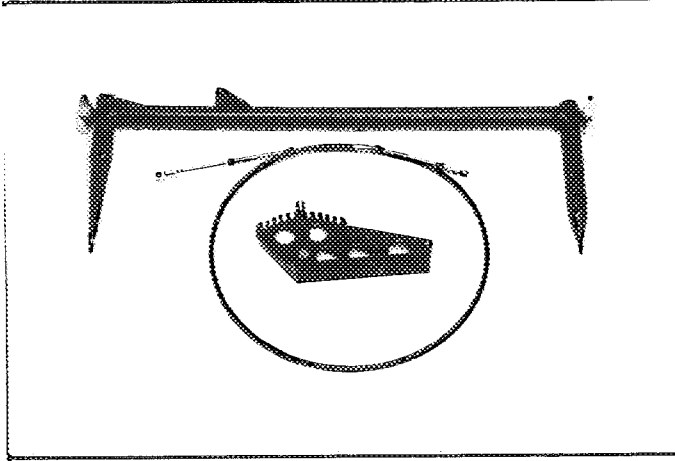
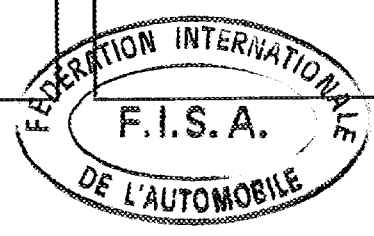
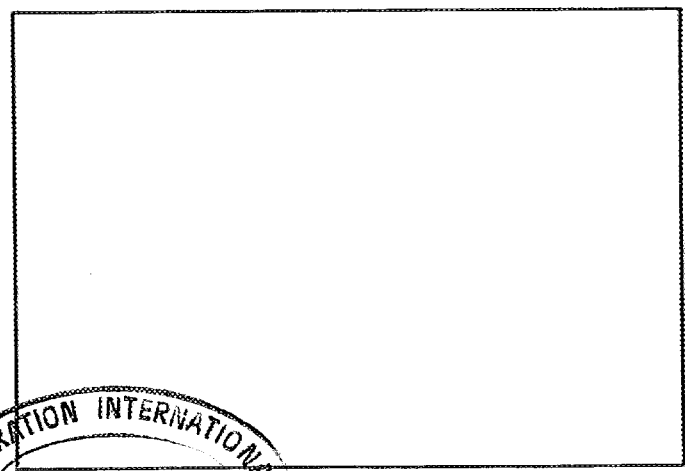
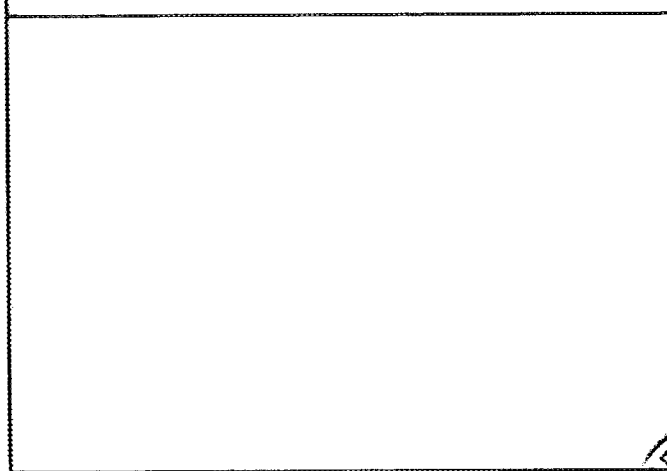
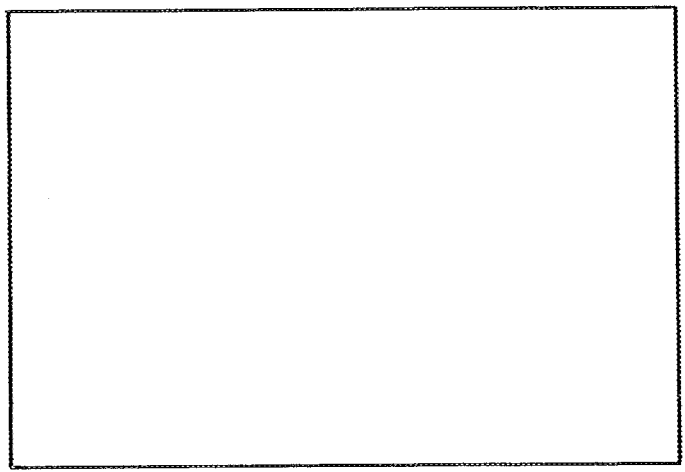
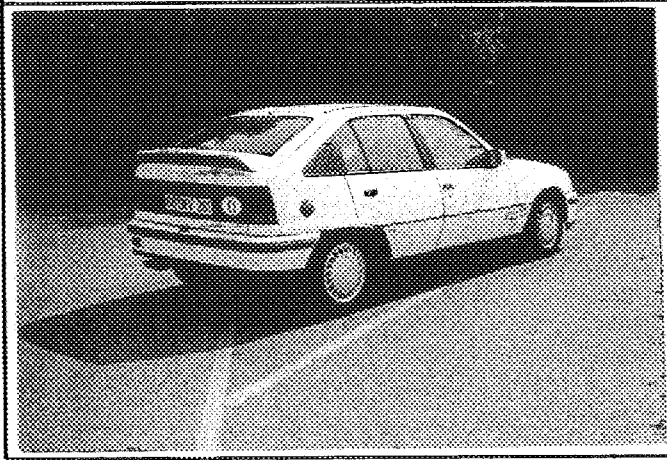


Photo 105



Photo 106





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5369

Extension N°

16 / 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 1er Juillet 1990 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur GENERAL MOTORS FRANCE Modèle et type Opel Kadett-E GSi 16V /  
Manufacturer \_\_\_\_\_ Model and type Vauxhall Astra-E GTE 16V

Page ou ext. Page or ext.	Art. Art.	Description Description
701 b		<p>Lire "Semi-trailing arm" au lieu de "Independent wheels".</p> <p>Read "Semi-trailing arm" instead of "Independent wheels".</p>

*[Signature]*



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5369

Extension N°

17/07 ER

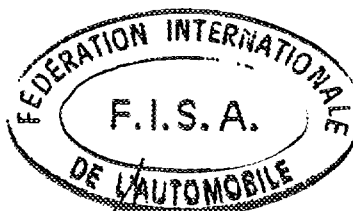
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Juillet 1990 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur GENERAL MOTORS EUROPE Modèle et type Opel Kadett E GSi 16 V /  
Manufacturer GENERAL MOTORS EUROPE Model and type Vauxhall Astra E GTE 16 V

Page ou ext. Page or ext.	Art. Art.	Description Description
15/07 VO page 76	801	Cet article est annulé / This article is cancelled.



*[Handwritten signature]*



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5369

Extension N°

18 / 08 ER

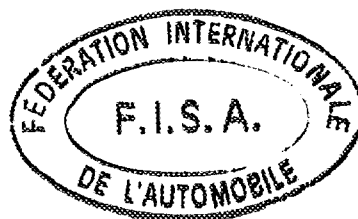
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 01.08.1990 en groupe A  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur GENERAL MOTORS EUROPE Modèle et type Opel Kadett E GSi 16 V /  
Manufacturer \_\_\_\_\_ Model and type Vauxhall Astra F GTE 16 V

Page ou ext. Page or ext.	Art. Art.	Description Description
		Cet errata annule l'Errata 17/07 ER



# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A - 5369

Nachtrag Nr.  
Extension Nr.

19 / 09 ER

## Nachtrag zum offiziellen Testblatt der FISA

Form of extension to the official FISA-Homologation

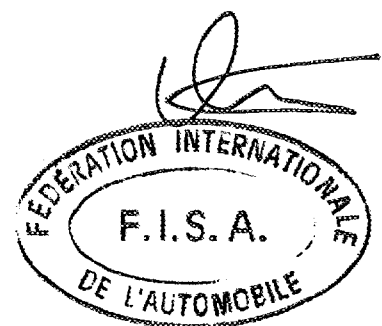
- ET** Normale Weiterentwicklung des Typs: ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

Homologation gültig ab: 01 OCT. 1990 in Gruppe: A  
Homologation valid as from in group

Hersteller: GENERAL MOTORS EUROPE Modell und Typ: OPEL Kadett-E GSI 16V  
Manufacturer Model and type

VAUXHALL Astra-E GTE 16V

Seite od. Nachtrag <small>Page or ext.</small>	Artikel <small>Art.</small>	Beschreibung <small>Description</small>
70		Artikel 604a, 604c, 604b muß heißen Artikel 804a, 804c, 804b  Article 804a, 804c, 804b instead of article 604a, 604c, 604b on page 70
39	803	g7) Hinten/rear 168 mm anstelle/instead of 211 mm





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5369

Extension N°

20 / 10 ER

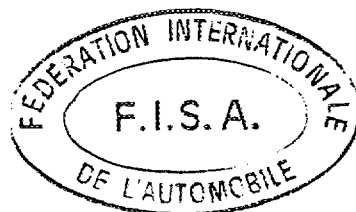
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 01.01.91 in group A

Constructeur GENERAL MOTORS/ADAM OPEL Modèle et type Kadett-E Gsi 16V /  
Manufacturer GENERAL MOTORS/ADAM OPEL Model and type Vauxhall Astra-E GTE 16V

Page ou ext. Page or ext.	Art. Art.	Description Description
01/01 VO		<ul style="list-style-type: none"> <li>- Supprimer la photo 49 ainsi que le texte s'y rapportant.</li> <li>- Delete photo 49 as well as the accompanying text.</li> </ul>









# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5369

Extension N°

22 / 12 ER

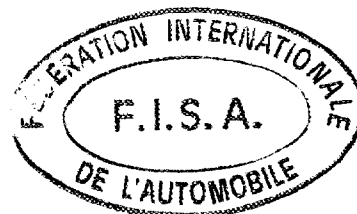
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- 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 Juillet 1991 in group A

Constructeur \_\_\_\_\_ Modèle et type \_\_\_\_\_  
Manufacturer General Motors Europe Model and type Opel Kadett-E GSi 16V /  
~~Vauxhall Astra E GTE 16V~~

Page ou ext. Page or ext.	Art. Art.	Description Description
34	901	Changer photo 52 en "52-A".
36		Changer photo 52 en "52-A"



# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

A-5369

Nachtrag Nr.  
Extension Nr.

23 / 13 ER

## Nachtrag zum offiziellen Testblatt der FISA

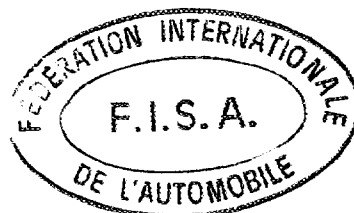
Form of extension to the official FISA-Homologation

- ET** Normale Weiterentwicklung des Typs: ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number:
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

Homologation gültig ab: 01 JUL. 1991 in Gruppe: A  
Homologation valid as from

Hersteller: General Motors Europe Modell und Typ: OPEL Kadett-E GSi 16V  
Manufacturer: Vauxhall Astra-E GTE 16V

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
9	803	g7) 186.0 ± 1.5mm anstelle/instead of 159 ± 1.5mm
52	803	g7) 169.0 ± 1.5mm anstelle/instead of 211mm



# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

**A-5369**

Nachtrag Nr.  
Extension Nr.

**24 / 03 VF**

Nachtrag zum offiziellen Testblatt der FISA  
Form of extension to the official FISA-Homologation

- ET** Normale Weiterentwicklung des Typs: ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number:
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

**01 JULI 1992**

**A**

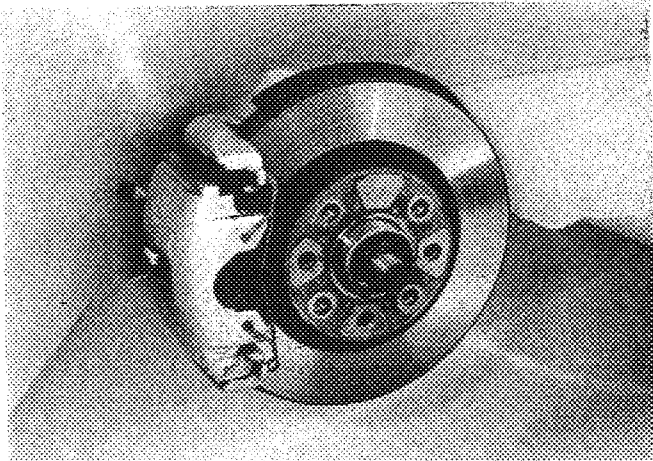
Homologation gültig ab: \_\_\_\_\_ in Gruppe: \_\_\_\_\_  
Homologation valid as from: \_\_\_\_\_ in group

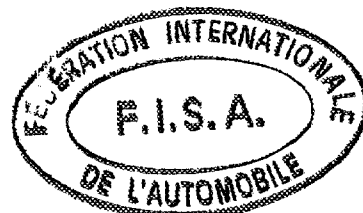
**General Motors Europe**

**OPEL Kadett-E GSI 16V**

Hersteller: \_\_\_\_\_ Modell und Typ: \_\_\_\_\_  
Manufacturer: \_\_\_\_\_ Model and type: \_\_\_\_\_

**Vauxhall Astra-E GTE 16V**

Seite od. Nachtrag Page or ext.	Artikel Art.	Beschreibung Description
13	803	<p>Liefervariante Bremssattel vorn/ Supply variant front brake caliper</p> <p>Photo V 1</p> 



*[Signature]*  
Seite (Page) 1/ **83**

# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

ONS Oberste Nationale Sportkommission für den Automobilsport in Deutschland GmbH

Homologation Nr.

**A - 5369**

Nachtrag Nr.  
Extension Nr.

**25 / 14 ER**

## Nachtrag zum offiziellen Testblatt der FISA

Form of extension to the official FISA-Homologation

- ET** Normale Weiterentwicklung des Typs: ab Fahrgestell-Nr.: \_\_\_\_\_  
Normal evolution of the type: as from chassis number.
- ES** Sportevolution  
Sporting evolution
- VF** Liefervariante  
Supply variant
- VO** Ausstattungsvariante  
Option variant
- ER** Berichtigung  
Erratum

**01 SEP. 1992**

Homologation gültig ab: \_\_\_\_\_ in Gruppe: **A**  
Homologation valid as from: in group

Hersteller: **General Motors Europe** Modell und Typ: **OPEL Kadett-E GSi 16V/**  
Manufacturer: Model and type  
**Vauxhall Astra-E GTE 16V**

Seite od. Nachtrag <small>Page or ext</small>	Artikel <small>Art.</small>	Beschreibung <small>Description</small>
14		Motor-Zeichnungen/Engine Drawings : Zeichnung/Drawing I anstelle/instead of II Zeichnung/Drawing II anstelle/instead of I Zeichnung/Drawing III anstelle/instead of IV Zeichnung/Drawing IV anstelle/instead of III

