



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

N-5387 N



## AUTO-MOTO SAVEZ JUGOSLAVIJE

SAVEZNI ODBOR ZA AUTO-MOTO SPORT  
FEDERAL BOARD OF AUTO-MOTO SPORTS

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

Homologacija važi od  
Homologation valable à partir du

01 MAI 1989

prononcee par  
decided by

FISA

Veza sa homologacijom  
En complément de la fiche de Gr. A n°

5387

### IMPORTANT

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

### IMPORTANT

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

### 1. DEFINITIONS

Proizvodjač

101. Constructeur

Manufacturer

ZAVODI CRVENA ZASTAVA

Model ili tip

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

Commercial name(s) — Type and model

Yugo 1.3

Zapremina cilindra

103. Cylindrée totale

Cylinder capacity

1289.6

cm<sup>3</sup>

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

Min. težina vozila

201. Poids minimum

Minimum weight

770

kg

Visina od glavčine točka do blatobrana

205. Hauteur minimum centre moyeu de roue /

ouverture du passage de roue

Minimum height center hub /

wheel arch opening

Nap.

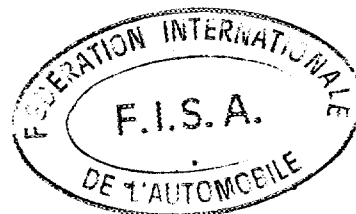
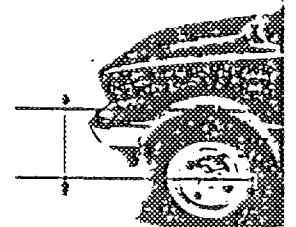
AV

Front 300 mm

AR

Rear 270 mm

Poz.



Marque / Make: ZASTAVA      Model / Model: Yugo 1.3      N° Homol: N-5387      **N**

207. Max. raspon / Voie maximum: 1310 mm (Front)      Poz. / AR: 1310 mm (Rear)

208. Min. klirens / Garde au sol minimum: Minimum ground clearance \_\_\_\_\_ mm

Endroit de la mesure / Where measured: front exhaust sistem / ogrlica pr. izduvne cevi

Mesto merenja: \_\_\_\_\_

**3. MOTEUR / ENGINE**


302. Broj držača / Nombre de supports: 3

308. Ukupna min. zapremina komore za sagorevanje / Volume minimal total d'une chambre de combustion: 39.1 cm<sup>3</sup>

309. Min. zapremina komore za sag. u glavi cilindra / Volume minimum d'une chambre de combustion dans la culasse: 24.4 cm<sup>3</sup>

310. Max. odnos zapremine / Rapport volumetrique maximum (par rapport à l'unité): 9.2

311. Min. visina bloka / Hauteur minimum du bloc-cylindres: 232.1 mm



313. Košuljica / Chemises: \_\_\_\_\_

Materijal / Material: \_\_\_\_\_

317. Klip / Piston: Al, alloy

Materijal / Material: legura KS1275

Broj prstenova / Nombre de segments: 3

Min. težina / Poids minimum: 530 g

Dimenzije od čela klipa do ose osovinice / Distance from gudgeon pin center line to highest point of piston crown: 34 ± 0.1 mm

Dimenzije kada je klip u GMT i zaptivke bloka cilindra / Distance between the top of the piston at TDC and the gasket plane of the cylinderblock: 0.0 mm

Zapremina čela klipa / Piston groove volume: 4.9 cm<sup>3</sup>

319. Radilica / Vilebrequin: 45.4 mm

Spoljni prečnik osovine radilice (leteći) / Diametre maximum des manetons / Maximum diameter of big end journals

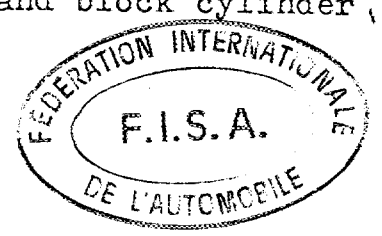
320. Zamajac motora / Volant moteur: \_\_\_\_\_ g

Težina (korpa, lamela, zamajac sa zavrt.) / Poids minimum avec couronne de demarreur et embrayage complet / Minimum weight of the flywheel with starter ring and complete clutch

321. Gl. cilindra / Culasse: 73.0 - 58.0 mm

Min. visina glave / Hauteur minimum / Minimum height

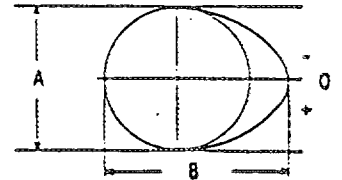
Polozaj merenja / Endroit de la mesure / Where measured: mesto oslanjanja zavrtnja za vezu glave za blok motora / screw joints cylinder head and block cylinder



322. Debljina zaptivke gl.cilingra / Epaisseur du joint de culasse serré / Thickness of the lightened cylinderhead gasket: 1.65 mm

325. Bregasta osovina Dimen.ležajeva / Arbre à cames e) Diametre des paliers / Camshaft Diameter of bearings: 48.6   48.4   48.2   48.0   30.0 mm

g) Dimenzije bregova / Dimensions de la came / Cam dimensions  
 Admission:  $A = \frac{28 \pm 0.2}{37.25}$  mm  
 Inlet:  $B = \frac{37.25}{37.25}$  mm  
 Izduv / Echappement:  $A = \frac{28 \pm 0.2}{37.25}$  mm  
 Exhaust:  $B = \frac{37.25}{37.25}$  mm



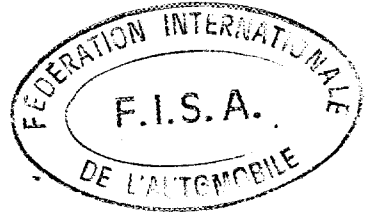
326. Razvod / Teorijski zazor za post.razvoda / Distribution a) Jeu theorique pour la distribution / Timing Theoretical timing clearance: Admission Inlet 0.60 mm, Echappement Exhaust 0.65 mm

b) Ugao radilice na kojem ventil počinje da otvara / Avance à l'ouverture (avec jeu theorique (326 a)) / Valves open at (with theoretical timing clearance (326 a))  
 Admission: 12 ° avant/après PMH / Inlet before/after TDC  
 Izduv / Echappement: 52 ° avant/après PMB / Exhaust before/after BDC

c) Ugao radilice na kojem ventil prestaje da se zatvara / Retard à la fermeture (avec jeu theorique (326 a)) / Valves closes at (with theoretical timing clearance (326 a))  
 Admission: 52 ° avant/après PMB / Inlet before/after BDC  
 Echappement: 12 ° avant/après PMH / Exhaust before/after TDC

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

Admission / Inlet		Echappement / Exhaust	
0 = <u>9.20</u> mm		0 = <u>9.25</u> mm	
- 5° = <u>9.2</u> mm	+ 5° = <u>9.2</u> mm	- 5° = <u>9.2</u> mm	+ 5° = <u>9.2</u> mm
- 10° = <u>8.9</u> mm	+ 10° = <u>8.9</u> mm	- 10° = <u>8.9</u> mm	+ 10° = <u>8.9</u> mm
- 15° = <u>8.5</u> mm	+ 15° = <u>8.5</u> mm	- 15° = <u>8.6</u> mm	+ 15° = <u>8.6</u> mm
- 30° = <u>6.6</u> mm	+ 30° = <u>6.6</u> mm	- 30° = <u>6.7</u> mm	+ 30° = <u>6.7</u> mm
- 45° = <u>3.5</u> mm	+ 45° = <u>3.5</u> mm	- 45° = <u>3.5</u> mm	+ 45° = <u>3.5</u> mm
- 60° = <u>0.6</u> mm	+ 60° = <u>0.6</u> mm	- 60° = <u>0.7</u> mm	+ 60° = <u>0.7</u> mm
- 75° = <u>0.4</u> mm	+ 75° = <u>0.4</u> mm	- 75° = <u>0.4</u> mm	+ 75° = <u>0.4</u> mm
- 90° = <u>0.1</u> mm	+ 90° = <u>0.1</u> mm	- 90° = <u>0.1</u> mm	+ 90° = <u>0.2</u> mm
- 105° = <u>-</u> mm	+ 105° = <u>-</u> mm	- 105° = <u>-</u> mm	+ 105° = <u>-</u> mm
- 120° = <u>-</u> mm	+ 120° = <u>-</u> mm	- 120° = <u>-</u> mm	+ 120° = <u>-</u> mm
- 135° = <u>-</u> mm	+ 135° = <u>-</u> mm	- 135° = <u>-</u> mm	+ 135° = <u>-</u> mm
- 150° = <u>-</u> mm	+ 150° = <u>-</u> mm	- 150° = <u>-</u> mm	+ 150° = <u>-</u> mm



Podizanje ventila u mm sa teorijskim zazorom  
 a) Levée de soupape en mm avec jeu théorique de distribution (art. 326 a)  
 Valve lift in mm with theoretical timing clearance (art. 326 a)

Usis / Admission / Inlet

Izduv / Echappement / Exhaust

Art 326 b) = 1

avant/avant	après/after	PMH	TDC = 0,0 mm
12	12		
+ 20°	=	-2.7	mm
+ 40°	=	-4.9	mm
+ 60°	=	-6.6	mm
+ 80°	=	-7.8	mm
+ 100°	=	-8.4	mm
+ 120°	=	-8.4	mm
+ 140°	=	-7.8	mm
+ 160°	=	-6.6	mm
+ 180°	=	-4.9	mm
+ 200°	=	-2.9	mm
+ 220°	=	-0.5	mm
+ 240°	=	-	mm
+ 260°	=	-	mm
+ 280°	=	-	mm
+ 300°	=	-	mm
+ 320°	=	-	mm
+ 340°	=	-	mm
+ 360°	=	-	mm

Art. 326 b) = 52

avant/avant	après/after	PMB	BDC = 0,0 mm
52	52		
+ 20°	=	-6.3	mm
+ 40°	=	-7.6	mm
+ 60°	=	-8.4	mm
+ 80°	=	-8.6	mm
+ 100°	=	-8.2	mm
+ 120°	=	-5.5	mm
+ 140°	=	-5.5	mm
+ 160°	=	-3.5	mm
+ 180°	=	-1.0	mm
+ 200°	=	-	mm
+ 220°	=	-	mm
+ 240°	=	-	mm
+ 260°	=	-	mm
+ 280°	=	-	mm
+ 300°	=	-	mm
+ 320°	=	-	mm
+ 340°	=	-	mm
+ 360°	=	-	mm

Usis / Broj opruga po ventilu  
 327. Admission / h) Nombre de ressorts par soupape

2

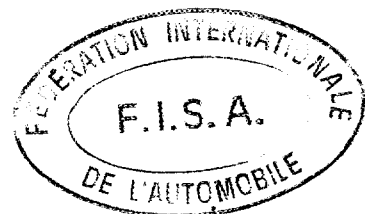
Inlet / Number of springs per valve

i) Karakteristika opruge / Caractéristiques des ressorts: Sous une charge de	59.5 ± 2.5	kg, la longueur max. du ressort est de	26.5	mm
Spring characteristics: Under a load of	59.5 ± 2.5	kg, the max. length of the spring is	26.5	mm
k) Karakteristika opruge / Caractéristiques des ressorts: Sous une charge de	28.1 ± 1.2	kg, la longueur max. du ressort est de	21.5	mm
Spring characteristics: Under a load of	28.1 ± 1.2	kg, the max. length of the spring is	21.5	mm
l) Broj namotanih opruga / Diamètre extérieur des ressorts	31.0 ± 0.2	mm	6.5	mm
Number of spring coils	31.0 ± 0.2	mm	6.5	mm
m) Broj namotanih opruga / Diamètre du fil des ressorts	22.4 ± 0.2	mm	7.0	mm
Number of spring coils	22.4 ± 0.2	mm	7.0	mm
n) Max. slobodna dužina opruge / Longueur libre maximum des ressorts	3.8	mm	53.9	mm
Maximum free length of the springs	3.8	mm	53.9	mm
	2.7	mm	41.8	mm
	2.7	mm	41.8	mm

328 Izduv / Echappement

Exhaust / Dimen. / ispusta / raz. grane

i) Broj opruga po ventilu / Diamètre de(s) sortie(s) du collecteur	34 ± 1.5	mm	2	
Number of springs per valve	34 ± 1.5	mm	2	
j) Karakteristika opruge / Caractéristiques des ressorts: Sous une charge de	59.5 ± 2.5	kg, la longueur max. du ressort est de	26.5	mm
Spring characteristics: Under a load of	59.5 ± 2.5	kg, the max. length of the spring is	26.5	mm
k) Karakteristika opruge / Caractéristiques des ressorts: Sous une charge de	28.1 ± 1.2	kg, la longueur max. du ressort est de	21.5	mm
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Number of spring coils	31.0 ± 0.2	mm	6.5	mm
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Number of spring coils	22.4 ± 0.2	mm	7.0	mm
n) Max. slobodna dužina opruge / Longueur libre maximum des ressorts	3.8	mm	53.9	mm
Maximum free length of the springs	3.8	mm	53.9	mm
	2.7	mm	41.8	mm
	2.7	mm	41.8	mm



Sistem protiv zaganjenja  
 329. Systeme anti-pollution a) ~~da~~/non  
 Anti pollution system ~~Yes~~/no  
 b) Description \_\_\_\_\_  
 Description \_\_\_\_\_

Sistem za paljenje Broj induk.kalema  
 330. Systeme d'allumage d) Nombre de bobines 1  
 Ignition system Number of coils \_\_\_\_\_

Kapacitet rash.ciklusa  
 331. Capacité du circuit de refroidissement 6.5  
 Cooling system capacity \_\_\_\_\_

Ventilator za hladjenje Broj  
 332. Ventilateur de refroidissement a) Nombre 1  
 Cooling fan Number \_\_\_\_\_  
 c) Matériau de l'hélice plastika  
 Material of the screw synthetic  
 e) Type de connection direktana  
 Type of connection direct conection  
 b) Diamètre de l'hélice 252 mm  
 Diameter of the screw \_\_\_\_\_ mm  
 d) Nombre de pales 4  
 Number of blades \_\_\_\_\_  
 f) Ventilateur débrayable ~~Yes~~/non  
 Automatic cut in ~~Yes~~/no

Sistem podmazivanja Ukupni kapacitet  
 333. Système de lubrification c) Capacité totale 3.75  
 Lubrification system Total capacity \_\_\_\_\_ L  
 d) Radiateur(s) d'huile ~~Yes~~/non  
 Number \_\_\_\_\_  
 e) Emplacement du/des radiateurs \_\_\_\_\_  
 Position of the radiator(s) \_\_\_\_\_

SISTEM ZA GORIVO  
 4. CIRCUIT DE CARBURANT / FUEL CIRCUIT

Rezervoar Položaj otvora za gorivo -  
 401. Reservoir e) Emplacement des orifices na zad. desnoj bočnoj strani karoserije  
 Fuel tank Filler holes location on a right side of a car body behind the front door

Pumpa za gorivo  
 402. Pompe(s) à essence a)  Electrique  Mécanique  
 Fuel pump(s)  Electrical  Mechanical  
 b) Nombre 1  
 Number \_\_\_\_\_  
 d) Emplacement na bloku motora  
 Location at the cylinder block  
 c) Marque et type "TELEOPTIK" tip 834.4  
 Make and type \_\_\_\_\_  
 e) Débit maximum 1.66 pri 4550 RPM l/mn  
 Maximum flow \_\_\_\_\_



Marque ZASTAVA Modele Yugo 1.3 N° Homol N-5387 N  
 Make ZASTAVA Model Yugo 1.3

**ELEKTRIČNA OPREMA**

**5. EQUIPEMENT ELECTRIQUE / ELECTRICAL EQUIPEMENT**

501. <sup>Akumulator</sup> Batterie(s) <sup>Voltaža baterije</sup> b) Tension 12 V  
 Battery(ies) Tension 12 V  
 Generator  
 502. <sup>Génératrice(s)</sup> Generator(s)  
 Generator(s)  
 a) Nombre 1  
 Number 1  
 b) Type alternator "ISKRA" AAK 1123  
 Type alternator "ISKRA" AAK 1123  
 c) <sup>Položaj</sup> Emplacement u moto prostoru  
 Location front incompartment engine  
 d) <sup>Broj</sup> Systeme d'entraînement klinasti remen  
 Drive system smoth belt  
 e) <sup>Vozni sistem</sup> Systeme de commande -  
 Drive system -

503. <sup>Farovi na uvlačenje</sup> Phares escamotables: a)  /non  
 Retractable headlights:  /no

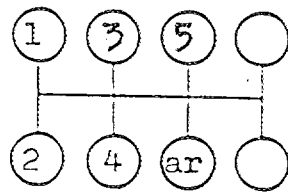
**PRENOS**

**6. TRANSMISSION / DRIVE**

602. <sup>Spojka</sup> Embrayage a) Type suva  
 Clutch Type dry  
 d) <sup>Spoljni prečnik lamele</sup> Diamètre du(des) disque(s) 182 mm  
 Diameter of the plate(s) 182 mm

603. <sup>Menjačka kutija</sup> Boite de vitesses  
 Gearbox  
 e) <sup>Prenos</sup> rapports ratios

	Ručno Manuelle / Manual			Automatski Automatique / Automatic		
	br. zuba / nombre de dents / number of teeth	ratio	synchro	br. zuba / nombre de dents / number of teeth	ratio	synchro
1	45/11	4.091	YES			
2	38/17	2.235	YES			
3	47/32	1.468	YES			
4	49/47	1.042	YES			
5	44/51	0.862	YES			
AR/R	52/14	3.714	YES			
Constante Constant.						



<sup>Raspored brzina</sup> f) Grille de vitesses  
 Gear change gate

605. <sup>Diferencijal</sup> Couple final b) Rapport  
 Final drive Ratio 3.765

c) <sup>Br. zuba zupčanika glavnog prenosa</sup> Nombre de dents  
 Number of teeth 64/17



**VEŠANJE**

**7 SUSPENSION / SUSPENSION**

*Spiralne opruge*

**702. Ressorts helicoidaux**

**Helical springs**

**a) Materiau-Materijal**

Material / *različita fleksibilnost*

**b) Type progressif**

Progressive type / *Min. dužina izradjene opruge*

**c) Longueur libre minimale**

Minimal free length / *Broj spirala*

**d) Nombre de spires**

Number of coils / *Preč. opruge ležećeg ležaja*

**e) Diamètre du fil**

Diameter of the wire / *Spoljni prečnik opruge*

**f) Diamètre extérieur**

Exterior diameter

**Karakteristika opruge**

**g) Caracteristiques des ressorts:** *Sous une charge de*

**Spring characteristics:** *Under a load of*

280 kg, la longueur min. du ressort AV est de 240 mm  
 Under a load of 280 kg, the min. length of the front spring is 240 mm  
 Sous une charge de — kg, la longueur min. du ressort AR est de — mm  
 Under a load of — kg, the min. length of the rear spring is — mm

AV / Front	AR / Rear
Č 4230 / steel	—
non	oui/non
no	yes/no
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm

*Lisnata opruga*

**703. Ressorts à lames**

**Leaf springs**

A - *Lame maîtresse* X - *lame auxiliaire*

A = *major leaf* X = *auxiliary leaf*

2 - *2e lame* 3 - *3e lame* 4 - *4e lame* 5 - *5e lame*

2 = *2nd leaf* 3 = *3rd leaf* 4 = *4th leaf* 5 = *5th leaf*

**Materijal**

**a) Materiau**

Material / *Broj prič. stremena*

**b) Nombre d'étriers**

Number of spring hangers

**c) Longueur libre minimum**

Minimum free length

**d) Largeur maximum**

Maximum width

**e) Epaisseur**

Thickness

**f) Courbure verticale maximale**

Maximum vertical curve

A	2	3
Č 2133/steel	Č2133/ steel	—
_____ mm	_____ mm	_____ mm
_____ mm	_____ mm	_____ mm
_____ mm	_____ mm	_____ mm
_____ mm	_____ mm	_____ mm
_____ mm	_____ mm	_____ mm

**a) Materiau**

Material

**b) Nombre d'étriers**

Number of spring hangers

**c) Longueur libre minimum**

Minimum free length

**d) Largeur maximum**

Maximum width

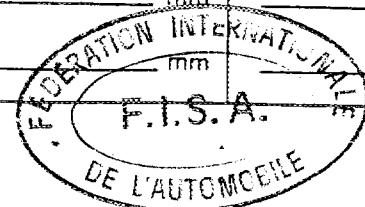
**e) Epaisseur**

Thickness

**f) Courbure verticale maximale**

Maximum vertical curve

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



Marque  
Make

ZASTAVA

Modele  
Model

Yugo 1.3

N° Homol

N-5387

N

704. Barre de torsion  
Torsion bar

- a) Longueur efficace  
Effective length  
mesuree de  
measured from  
a  
to
- b) Diametre efficace  
Effective diameter  
mesure a  
measured at
- c) Materiau  
Material

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

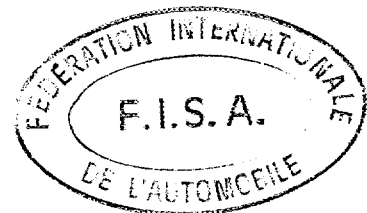
706. Stabilizator  
Stabilizer

- Efektivna dužina  
Effective length
- a) Longueu efficace  
Effective length  
Efektivni prečnik  
Effective diameter
- b) Diametre efficace  
Effective diameter
- c) Materiau  
Material

AV / Front	AR / Rear
1452 _____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm
_____ mm	_____ mm

707. Amortizeri  
Amortisseurs  
Shock absorbers

- d) Diametre exterieur  
Exterior diameter
- e) Assiette du ressort réglable  
Adjustable spring trim  
Podeslivo sedište opruge
- f) Distance assiette-fixation  
Distance trim-monitoring
- g) Diametre de la lige de piston  
Diameter of the piston rod





Marque  
Make

Modele  
Model

Yugo 1.3

N° Homol.

N-5387 A

8. TRAIN ROULANT / RUNNING GEAR

naplatak  
801. Roues  
Wheels  
prečnik  
a) Diametre  
Diameter  
b) Largeur širina  
Width  
c) Marque et type tip  
Make and type  
d) Matériau  
Material materijal  
e) Poids unitaire  
Unitary weight težina  
f) Dépot entre plan de montage  
et extrémité intérieure  
Offset between mounting  
and extreme inner face  
mera unutrašnje širine  
tonaplataka

AV Front	AR / Rear	Secours / Spare
13"	13"	13"
329.4 mm	329.4 mm	329.4 mm
5"	5"	4.5"
127 mm	127 mm	114.3+1.5 mm
5J x 13H2	5J x 13H2	4.5 x 13A-H2
Al / Al alloy	Al / Al alloy	steel
6.10 kg	6.10 kg	6.20 kg
142+1.5 mm	142+1.5 mm	114.2+1.5 mm

802. Emplacement de la roue de secours  
Location of the spare wheel  
položaj rez. točka

napred, u moto prostoru  
front in compartment engine

karoserija

9. CARROSSERIE / BODYWORK

unu trašnjost er.kondišn

901. Interieur c) Climatisation  
Interior Air conditioning

sedište

d) Sieges  
Seats  
d1) Type tip  
Type naslon za glavu  
Headrest  
d3) Poids težina  
Weight

AR / Rear	AV / Front
posebna sedišta separate seats oui/ <del>no</del> yes/ <del>no</del>	jastuk + naslon cushion + seat back oui/ <del>no</del> yes/ <del>no</del>
18.0 kg	17.0 kg

zad. sedište sa preklpom

d4) Siege AR rabattable oui/~~no~~

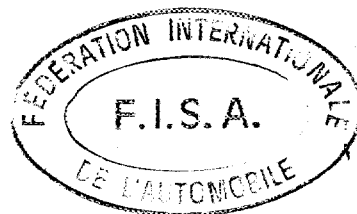
zad. polica  
e) Plaque arriere oui/~~no~~

Rear ledge yes/~~no~~

902. Extérieur  
Exterior

materijal poliester  
Material polyester

brisač zad. stakla  
n) Essuie-glace AR oui/~~no~~  
Rear wiper yes/~~no~~



Marque **ZASTAVA**  
Make

Modele  
Model

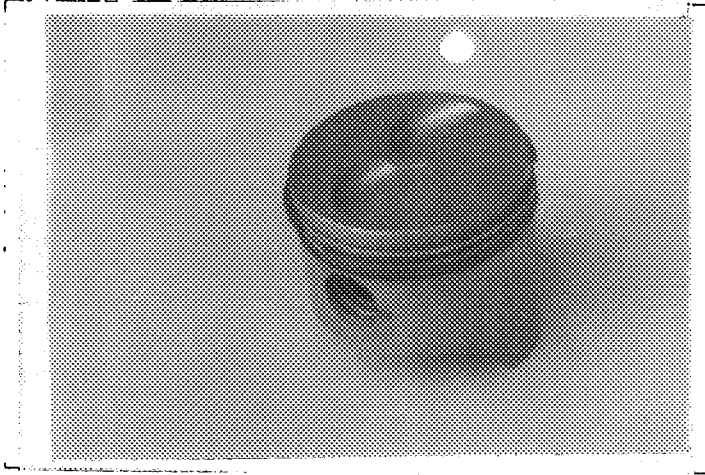
Yugo 1.3

N° Homol **N-5387** **N**

**PHOTOS / PHOTOS**

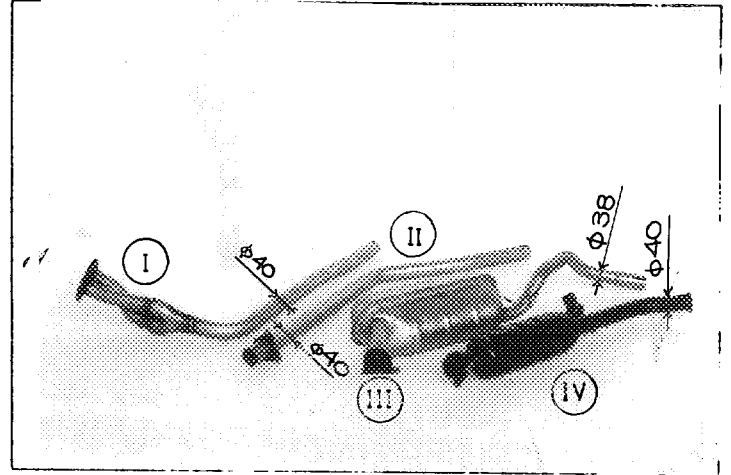
Moteur / Engine **motor**

AA) Piston de profil  
Piston profile  
**profil kiipa**



BB) Echappement complet

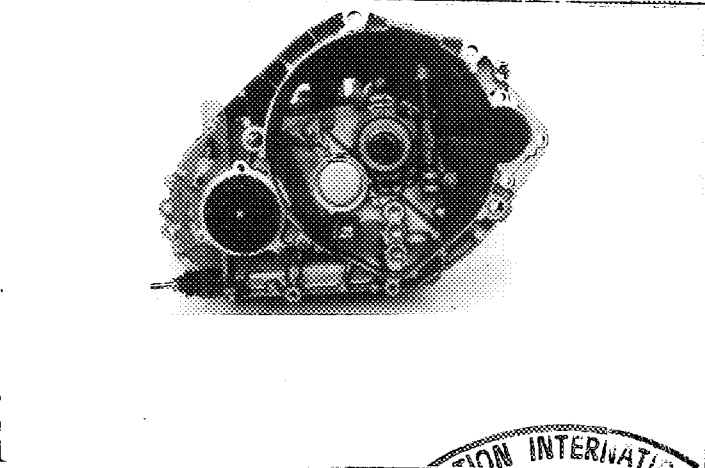
Complete exhaust system  
**kompletna izduvna grana**



Transmission / Transmission

CC) Embrayage complet

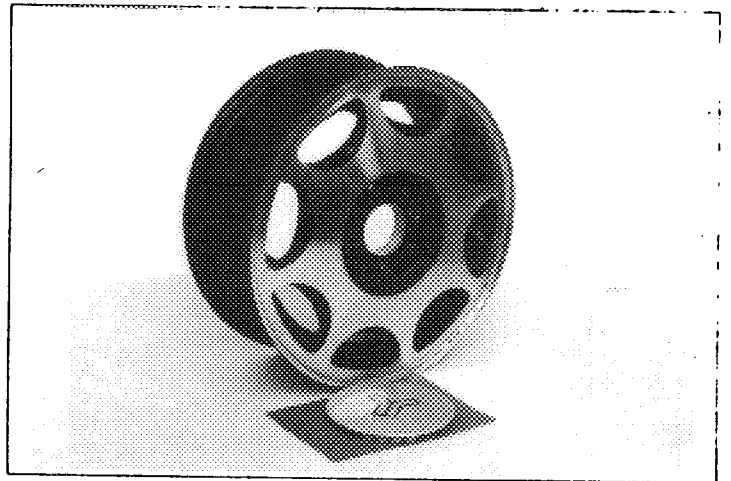
Complete clutch  
**menjac, napadno telo-komplet**



Train roulant / Running gear

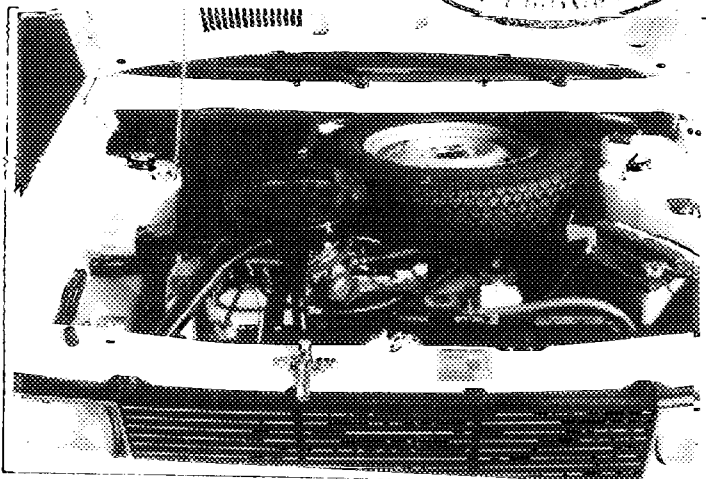
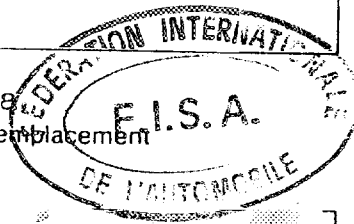
DD) Roue nue (vue de 3/4)

Bare wheel (3/4 view)  
**374 profil naplatka**



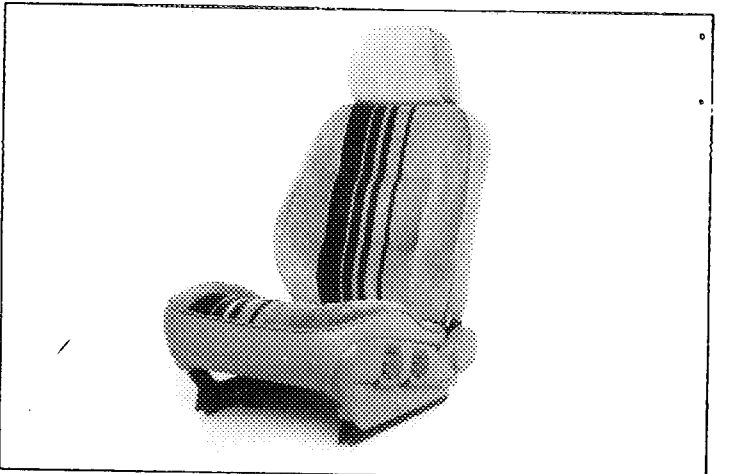
položaj rez. točke

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



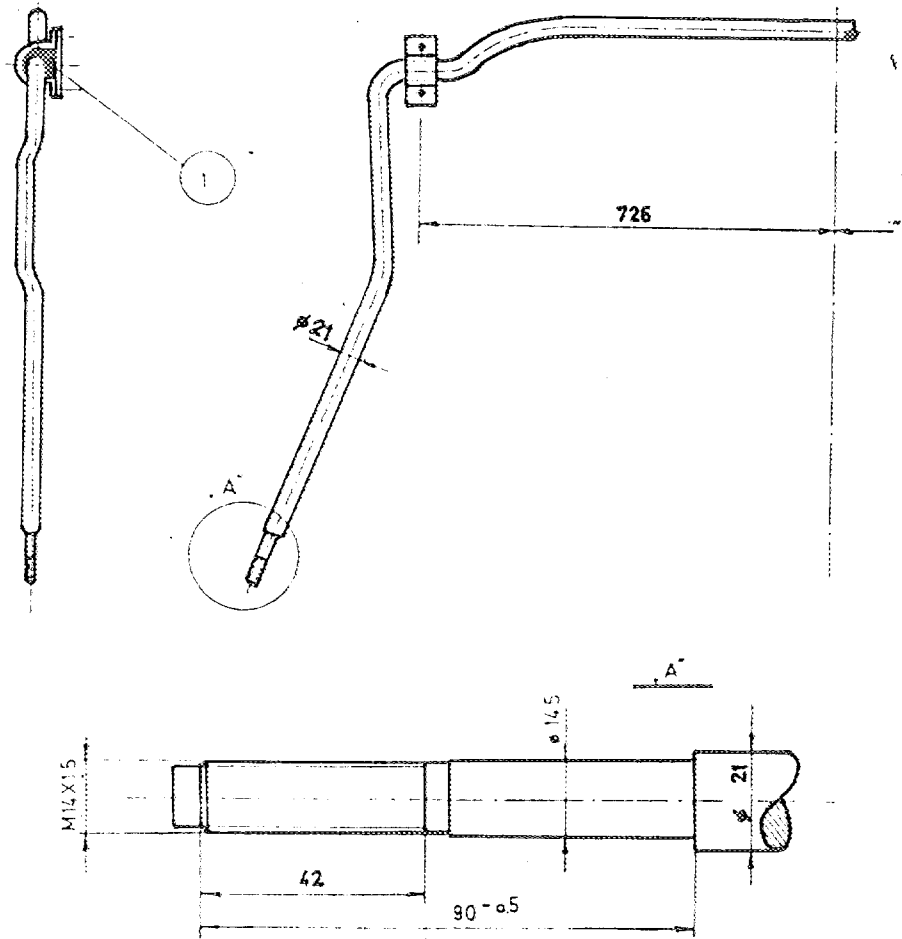
Carrosserie / Bodywork **prednje sedište**

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

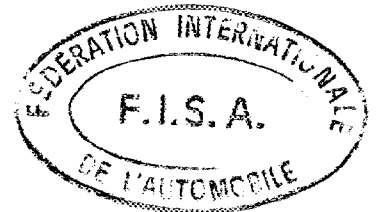
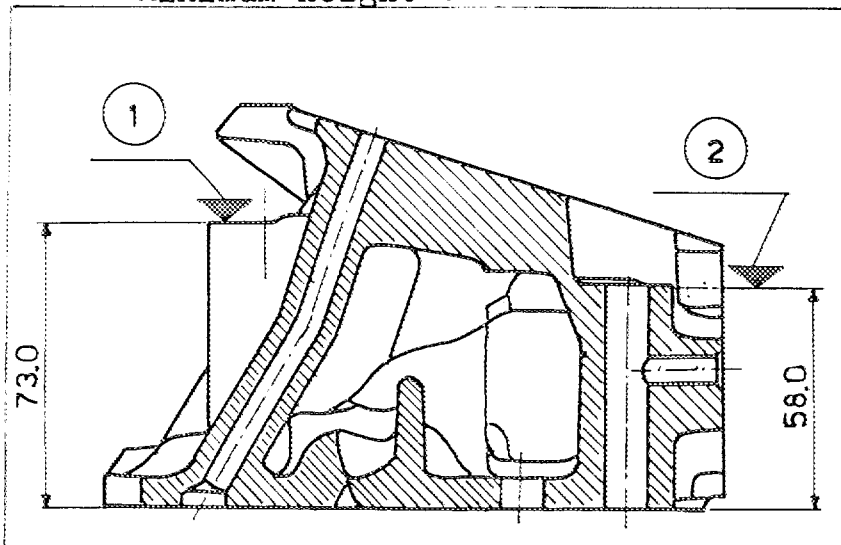


Dodatne informacije :  
 Complementary information :

STABILISING ROD / of gear box by five speed



2 321 e) Minimalna visina glave :  
 Minimum height :





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

N-5387

Extension N°

01 / 01 ER

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

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

**VF** Variante de fourniture / Supply variant

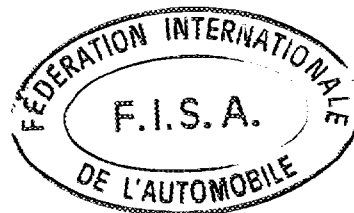
**VO** Variante option / Option variant

**ER** Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe \_\_\_\_\_  
Homologation valid as from 01.01.90 in group N

Constructeur ZAVODI CRVENA ZASTAVA Modèle et type \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Model and type Yugo 1.3

Page ou ext. Page or ext.	Art. Art.	Description Description
8	706c	Matériau / Materijal : Acier / Steel





# AUTO-MOTO SAVEZ JUGOSLAVIJE

SAVEZNI ODBOR ZA AUTO-MOTO SPORT  
FEDERAL BOARD OF AUTO-MOTO SPORTS

Br. Homol.  
N° Homol.

N<sup>o</sup> 5387



MEDUNARODNA FEDERACIJA ZA SPORTSKI AUTOMOBILIZAM  
FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Br. Proš.  
N° Ext.

02 / 01 ET

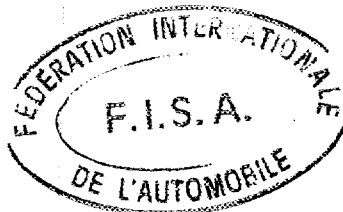
## OBRAZAC ZA PROŠIRENJE PREMA SLUŽBENOJ FISA HOMOLOGACIJI FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- ET Normalni razvoj tipa od broja šasijske  
Normal evolution of the type as from chassis number 00814229
- VF Dostavljana varijanta  
Supply variant \_\_\_\_\_
- VO Varijanta na zahtev  
Option variant \_\_\_\_\_
- ER Greška  
Erratum \_\_\_\_\_

Homologacija važi od 01 AVR. 1990 za grupu N  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Proizvođač ZAVODI CRVENA ZASTAVA Model i tip Yugo 1.3  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

List ili proš. Page or ext.	Art. Art.	Opis Description
1.	103.	Zapremina cilindra Cylindrée totale Cylinder capacity <u>1289.6</u> cm <sup>3</sup>
2.	310	Max. odnos zapremine Rapport volumétrique maximum (par rapport à l'unité) Maximum compression ratio (in relation with the unit) <u>9.2</u>
1.	103.	Zapremina cilindra Cylindrée totale Cylinder capacity <u>1299.2</u> cm <sup>3</sup>
2.	310	Max. odnos zapremine Rapport volumétrique maximum (par rapport à l'unité) Maximum compression ratio (in relation with the unit) <u>9.3</u>



List/Page / 1.



# AUTO-MOTO SAVEZ JUGOSLAVIJE

SAVEZNI ODBOR ZA AUTO-MOTO SPORT  
FEDERAL BOARD OF AUTO-MOTO SPORTS

Br. Homol.  
N° Homol.

N 5387

Br. Proš.  
N° Ext.

MEĐUNARODNA FEDERACIJA ZA SPORTSKI AUTOMOBILIZAM  
FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

03/02 ER

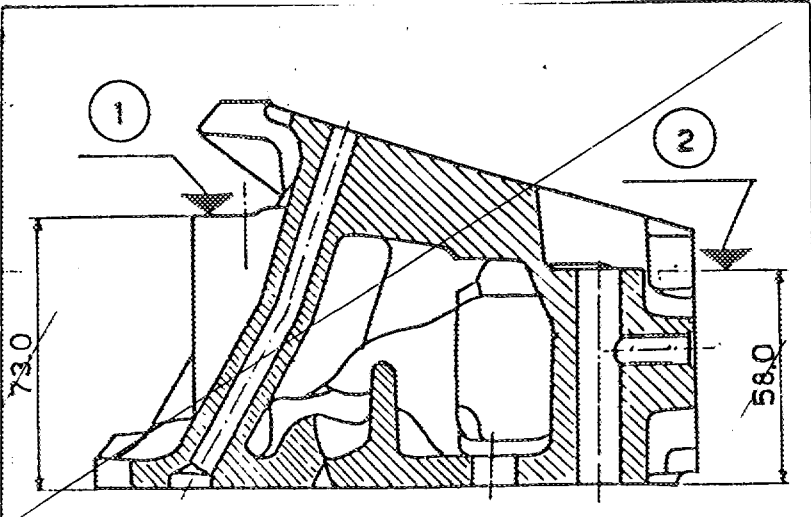


## OBRAZAC ZA PROŠIRENJE PREMA SLUŽBENOJ FISA HOMOLOGACIJI FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- ET Normalni razvoj tipa od broja šasijske  
Normal evolution of the type as from chassis number \_\_\_\_\_
- VF Dostavljena varijanta  
Supply variant \_\_\_\_\_
- VO Varijanta na zahtev  
Option variant \_\_\_\_\_
- ER Greška  
Erratum \_\_\_\_\_

Homologacija važi od \_\_\_\_\_ **01 JAN. 1995** \_\_\_\_\_ za grupu  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Proizvođač \_\_\_\_\_ **ZASTAVA** \_\_\_\_\_ Model i tip \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_ **YUGO 1.3** \_\_\_\_\_

List ili proš. Page or ext.	Art. Art.	Opis Description
2	321	<p>c) Min. visina glave Minimum height <del>73.0 - 58.0</del></p> <p>CRTEŽ - DRAWING :</p> <p>e) Min. visina glave Minimum height :</p> 

FEDERATION INTERNATIONALE  
DE L'AUTOMOBILE

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Services Administratifs :

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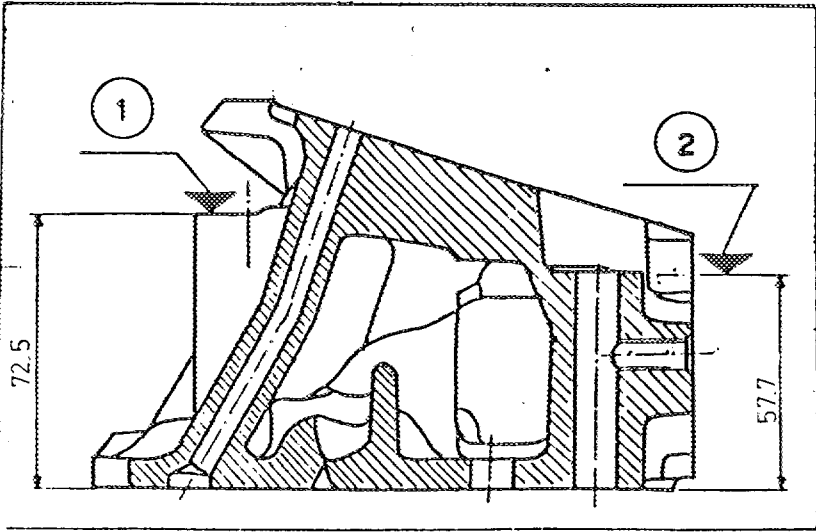
List/Page / 1

Marka  
Make ZASTAVA

Model  
Model YUGO 1.3

Br. Homol.  
No Homol. N 5387

Br. Proš.  
No Ext. 03/02 ER

List ili proš. Page or ext.	Art. Art.	Opis Description
	321	<p>Glava cilindra Cylinderhead</p> <p>c) Min. visina glave Minimum height 72.5 - 57.7</p> <p>d) Položaj merenja mesto oslanjanja zavrtnjaza vezu glave za blok motora Where measured <u>screw joints cylinder head and block cylinder</u></p> <p>CRTEŽ / DRAWING :</p> <p>e) Minimalna visina glave : Minimum height :</p> 

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# AUTO-MOTO SAVEZ JUGOSLAVIJE

SAVEZNI ODBOR ZA AUTO-MOTO SPORT  
FEDERAL BOARD OF AUTO-MOTO SPORTS

Br. Homo  
N° Homo

N 5387



MEĐUNARODNA FEDERACIJA ZA SPORTSKI AUTOMOBILIZAM  
FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Br. Proš  
N° Ex

04/03 ER

## OBRAZAC ZA PROŠIRENJE PREMA SLUŽBENOJ FISA HOMOLOGACIJI FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- ET Normalni razvoj tipa od broja šasijske  
Normal evolution of the type as from chassis number \_\_\_\_\_
- VF Dostavljena varijanta  
Supply variant \_\_\_\_\_
- VO Varijanta na zahtev  
Option variant \_\_\_\_\_
- ER Greška  
Erratum \_\_\_\_\_

Homologacija važi od  
Homologation valid as from

01 JAN. 1997

za grupu  
in group

N

Proizvođač  
Manufacturer

ZASTAVA DD

Model i tip  
Model and type

Yugo 1.3

List ili proš. Page or ext.	Art. Art.	Opis Description										
2.												
207	Max. raspon Voie maximum Maximum track	<table border="0"> <tr> <td>Nap. AV</td> <td>1310</td> <td>mm</td> <td>Poz. AR</td> <td>1310</td> </tr> <tr> <td>Front</td> <td></td> <td></td> <td>Rear</td> <td></td> </tr> </table>	Nap. AV	1310	mm	Poz. AR	1310	Front			Rear	
Nap. AV	1310	mm	Poz. AR	1310								
Front			Rear									
207	Max. raspon Voie maximum Maximum track	<table border="0"> <tr> <td>Nap. AV</td> <td>1350</td> <td>mm</td> <td>Poz. AR</td> <td>1330</td> </tr> <tr> <td>Front</td> <td></td> <td></td> <td>Rear</td> <td></td> </tr> </table>	Nap. AV	1350	mm	Poz. AR	1330	Front			Rear	
Nap. AV	1350	mm	Poz. AR	1330								
Front			Rear									

*[Signature]*  
FEDERATION INTERNATIONALE  
DE L'AUTOMOBILE

List/Page / 1.

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Marka  
Make

ZASTAVA

Model  
Model

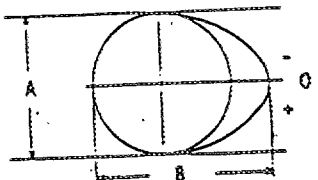
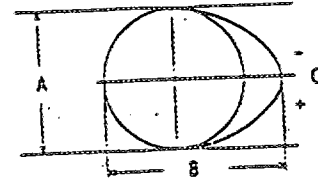
YUGO 1.3

Br. Homol.  
No Homol.

N 5387

Br. Proš.  
No Ext.

04/03 ER

List ili proš. Page or ext.	Art. Art.	Opis Description
3.	325.	<p><i>Usis</i> Admission: <math>A = 28 \pm 0.2</math> mm Inlet: <math>B = 37.25</math> mm</p> <p><i>Izduv</i> Echappement Exhaust: <math>A = 28 \pm 0.2</math> mm <math>B = 37.25</math> mm</p> <p><i>Usis</i> Admission: <math>A = 28.2 \pm 0.1</math> mm Inlet: <math>B = 37.2 \pm 0.1</math> mm</p> <p><i>Izduv</i> Echappement Exhaust: <math>A = 28.25 \pm 0.1</math> mm <math>B = 37.25 \pm 0.1</math> mm</p>
		<p><i>Dimenzije brégova</i> g) Dimensions de la came Cam dimensions</p>  <p><i>Dimenzije brégova</i> g) Dimensions de la came Cam dimensions</p> 

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