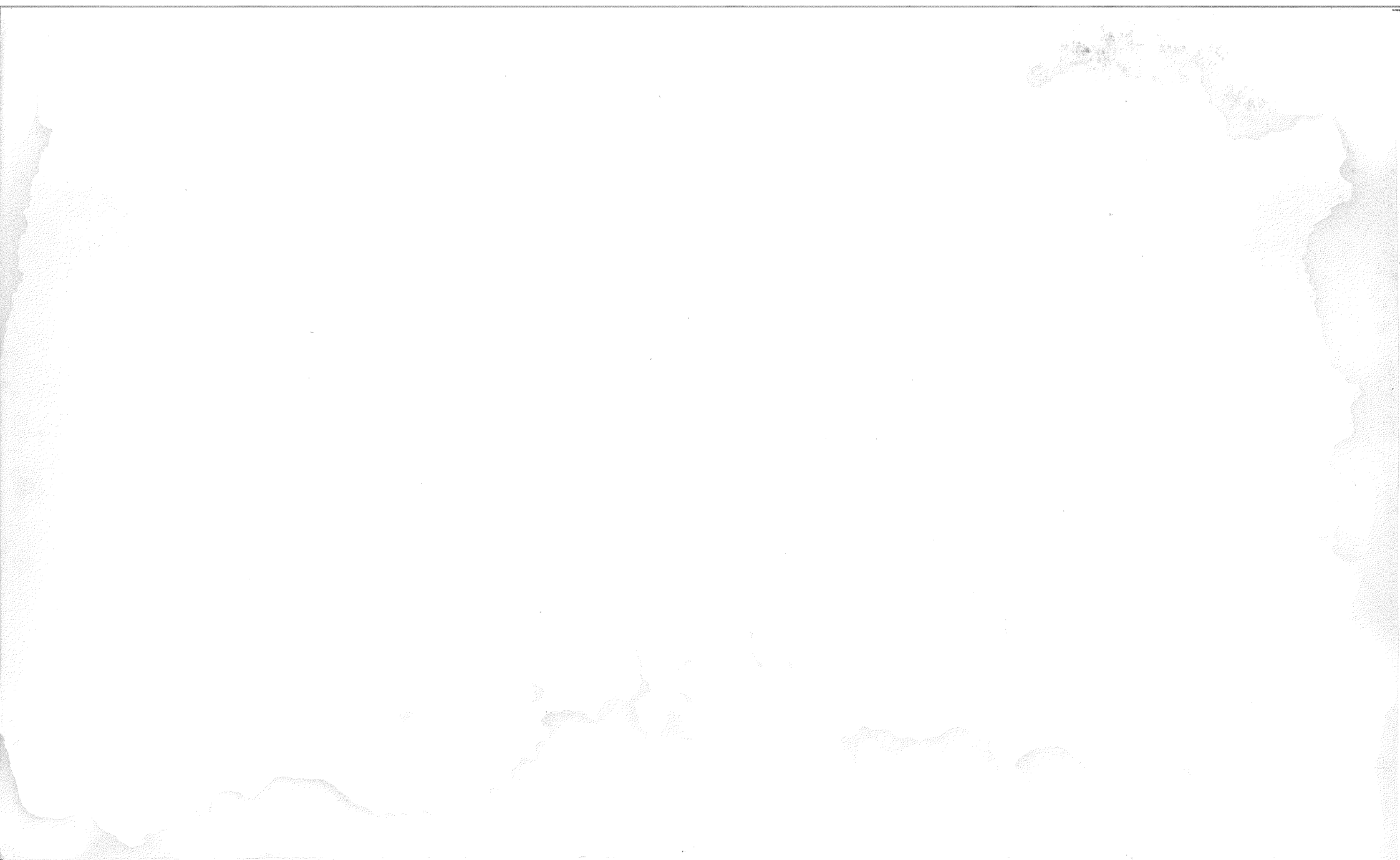
SAAB SPORT & RALLY

Saab-Ana Aktiebolag Art.nr 175562



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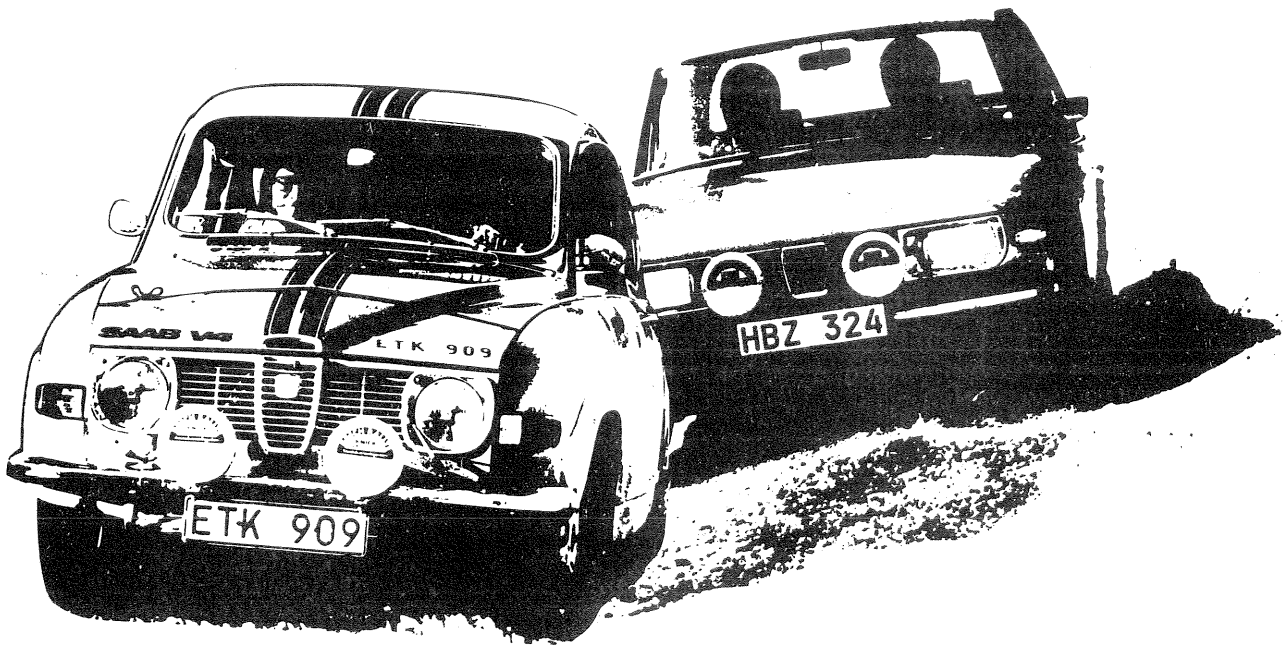
SAAB SPORT & RALLY

Information

Tävlingar med Saab
Competitions with Saab
1:1 A



Varför tävlar Saab?

Man får erfarenhet genom hårda rallyn. De kan aldrig helt ersättas av vanlig testkörning.

Förbättringar på standardbilarna blir resultatet: Bättre bromsar, kylning, transmission, styrning etc.

Under tävlingsförhållanden testas också redan färdiga konstruktioner. Då märks det om teorierna varit riktiga.

Saab vinner inte alla rallyn. Men i kamp med många sportbilar visar det sig att en trimmad standardbil kan hävda sig mycket väl.

Saab trimmar bilarna för att kunna hänga med i tuffa, snabba rallyn. Men grundkonstruktionen är densamma. Det är den som avgör om en bil är bra eller dålig. Stoppar den för 100-tals hårda rallymil stoppar den också för vardagskörning. Det är det Saab vill veta och det är vad Saab vill visa.

Därför tävlar Saab.

Why is Saab participating in rallies?

You gain experience in hard rallies which can never be completely replaced by test driving in the ordinary way.

It often results in improvements of standard cars such as brakes, cooling, transmission, steering etc.

As also already completed constructions are tested in racing conditions, you can learn if theories were right.

Saab does not win all rallies. It has, however, become evident that a tuned standard car maintains its position very well when competing with sports cars.

Saab cars are tuned to be adapted to hang on in the tough, fast rallies but the basic construction is the same and is always decisive whether it is a first-class car or not. If the car stand thousands of hard rally miles, it also stands everyday driving. This is what Saab wants to know and what Saab wants to prove.

That is just the reason why Saab is participating in rallies.

Saab-Ana Aktiebolag

Mars 1976

SAAB information

THE SAAB 96 V4 RALLY CAR

Each year some six to eight standard Saab V4´s are converted into rally cars at Saab-Scania´s competition department to be used by the company´s works drivers in Swedish as well as international rallies. Generally these cars are modified and tuned to Group II "special standard" as they are also called in rally circles and it goes without saying that a lot of painstaking and skilled work is required both for the initial conversion and for the subsequent maintenance of those cars, which all run an average of some 13,000 gruelling rally miles each during the competition year.

Coachwork

To start with, the standard body is equipped with a roll bar and a strong sumpguard or protection plate up front to protect the engine department. The standard petrol tank is replaced with a bigger one holding about 15 gallons, the luggage compartment is fitted with special holders for oil cans and quick release straps for the spare wheel and other extra equipment. Special attachments for quick action jacks are welded to the body´s underside. The petrol cap and the radiator cap are provided with short safety lines and the bonnet is secured with a leather strap.

Wheels and suspension

Standard 4 in. wheels are replaced by 4 1/2 in. aluminium alloy racing wheels and front disc brakes are fitted with special competition brake pads. Special springs and harder shock absorbers are used and front suspension links are fitted with a type of heat-resistant bushings for protection against excessive heat from nearby exhaust pipes.

Engine

The V4 engine which in its standard version turns out 65 hp/DIN is tuned as follows:

Engine block bore is increased from 90 to 93 mm and a "1.7 litre" crankshaft is used. The flywheel weight is reduced and the wheel is accurately balanced. Connecting rods are modified, standard and forged 93 mm pistons with raised crowns are fitted, the special crowns raising the compression ratio to 11.3:1. Cylinder heads are modified with increased intake and outlet openings for better breathing. Standard gaskets are replaced by special copper gaskets.

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Fack
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SWEDEN
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0155-807 00
Cables
Saabcar
Telex
640 18 saabcar s

Larger valves and stronger valve springs are used in combination with a modified camshaft giving higher lift and longer opening intervals. Special tappets and strengthened rocker arms are used.

In addition to the oil cooler which is a must in competition cars, the oil pump pressure reduction valve is fitted with a stronger spring, raising oil pressure to 14 lb./sq. in.

A high capacity radiator is fitted.
Another extra is the Trysistor ignition coil system.

Carburettor

Two double-choke horizontal Weber carburettors are fitted.

Gearbox

In the competition version gearbox first, second and third are higher and fourth is lower than standard and in addition the final drive is changed to give a lower overall ratio. (Fourth gear gives 13 mph at 1,000 rpm compared to the standard gearbox´s 17 mph.) A limited slip differential is added.

Clutch

All competition cars are equipped with a diaphragm type clutch.

Exhaust system

Apart from the fact that the exhaust system components and fittings are dimensioned for a stronger engine, the way the pipes are drawn makes for better protection against the inevitable bumps and stones on the rally tracks. Instead of being joined up to a front silencer, as is the case on the standard V4, the pipes go from each cylinder head down past the gearbox, one on each side, and through holes in the engine compartment floor. The two pipes running from the cylinder heads should measure about 51 in. each to the point where they join up to one single pipe leading to the rear silencer.

Extra equipment

Special seats are fitted for driver and co-driver. Both are very comfortable and specially designed to give the crew the utmost support and protection. In order to make it possible for the occupant of the co-driver´s seat to rest and to snatch a bit of sleep when circumstances so allow, the backrest of this seat is steplessly adjustable.

Steering wheel type and size is chosen by the driver who also decides the shape and size of accelerator and brake pedals to suit his personal driving technique.

The handbrake is provided with a reversed ratchet locking device - the locking button has to be pressed to lock the handbrake.

Dashboard

A rev. counter is fitted in the dashboard where are also to be found easy-to-reach switches for the extra lights mounted on the front bumper. On the co-driver side will be found a double trip meter mounted in the glove compartment. This trip meter is very reliable and accurate, recording distances run to the nearest 10 metres. Beneath the trip meter there is a shelf, with adjustable light, for maps. A flexible map-reading lamp and a strong grab handle are mounted above the right hand door.

The new type of crash helmets which cover the ears makes it necessary to use an intercome system with built-in earphones and microphones. When not in use the helmets are hung on special racks on the back seat. Strong rubber straps across the backseat keep jackets and other loose pieces of clothing in place.

Other equipment inside the car includes fire extinguisher, a first aid kit and quick action jacks plus two tool kits. A small set of spare parts e.g. spark plugs, distributor cap etc. is kept under the back seat.

721103

SAAB-SCANIA
Saab Car Division

Saab Sport & Rally,

Saab Sport & Rally is the name of an entirely new operation for the marketing of genuine parts and accessories directly connected to sport and rally driving.

By working in close collaboration with our Competition Department we have been able to make the most of the experience Saab has gained in successful competition driving.

All parts and accessories included in our range have been tested and tried out in rugged competition conditions.

Furthermore all these parts fulfil the stringent requirements of the National Swedish Department of Road Safety.

ENGINE AND GEARBOX

Tuning kit 1500 cc, Saab V4

Complete tuning kit which increases the engine output from 65 bhp DIN to 80 bhp DIN. The kit includes a register type twin-port carburetter, air filter, inlet manifold, camshaft, harder valve springs, exhaust system and installation parts. Despite the extra output fuel consumption is only slightly higher.
Part No. 11247. 1175,- EXCL. BTW.

Tuning kit 1700 cc, Saab V4

Increases the engine volume to 1700 cc and increases the output from 65 bhp DIN to 90 bhp DIN.

The kit consists of the same parts as 11247 plus: 1175,- + 133,-
Part No. 10017: 4 complete pistons and connecting rods
Part No. (10)8848269: crankshaft

Both kits include comprehensive installation instructions. Tuning kits 1500 cc and 1700 cc have been approved by the National Swedish Vehicle Testing Authority for installation in the Saab V4.

Exhaust system Saab V4 (included in tuning kit)

Complete exhaust system with low flow resistance. Gives an increase in output of 5 - 6 bhp in standard engines. Approved by the National Swedish Vehicle Testing Authority.

Complete competition engines, Saab V4

1531cc 110 bhp DIN - 135 bhp DIN
1740cc 115 bhp DIN - 140 bhp DIN
1815cc 145 bhp DIN

These engines are supplied in accordance with individual requirements. Ask for a quotation.

Cast high-compression pistons, Saab V4

Complete with piston rings and connecting rods. Available in standard and oversizes.
Part No. 10017 Diam. 90 mm, 1698 cc

Forged high-compression pistons, Saab V4

Complete with gudgeon pins and piston rings. Made of high quality aluminium.

Only available in oversizes.
Part No. 10033 Diam. 91 mm, 1530 cc
Part No. 10041 Diam. 91 mm, 1740 cc
Part No. 12732 Diam. 93 mm, 1815 cc

Connecting rod, 1700 cc, Saab V4

Part No. 13144: Reinforced by polishing and ball blasting.
For all types of Group 2 tuning.

Crankshaft 1700 cc, Saab V4

Modified for high-performance engines with high engine speeds.
Part No. 10629.

Flywheel, Saab V4

Weight reduced to 5.2 kg, resulting in a snappy engine. (Standard weight 7.3 kg). Made of cast-iron.
Part No. 11692.

Forged steel flywheel. Recommended for high-performance engines with high engine speeds.
Part No. 12831.

Camshafts, Saab V4

Part No. 10074: lifting height 7.2 mm
Part No. 10082: lifting height 7.6 mm
Part No. 12765: lifting height 8.3 mm

These camshafts are available with three different cam profiles. Camshaft 10074, with a lifting height of 7.2 mm, can be used for both road and rally driving. 10082 is only recommended for rally and track competitions and 12765 should only be used for track racing.

Inlet valves, Saab V4

Part No. 10090, Diam. 42 mm
Part No. 11684, Diam. 44 mm

Exhaust valves, Saab V4

Part No. 10108, Diam. 37 mm
Part No. 11676, Diam. 38 mm

Larger valves with harder alloy and chromed stems, giving reduced wear.

Valve springs, Saab V4

Type Rally, made of a modified chrome-vanadium alloy, harder than standard, Give maximum security against breakage.
Part No. 10116.

Valve-spring discs, Saab V4

Requisite when installing larger valves. Made of aluminium.
Part No. 10876. Used for initial tuning.
Part No. 10124. Used when reconditioning.

Valve lifters, Saab V4

Weight 79 g (Standard lifters weight 104 g). Specially produced for high-speed competition engines.
Part No. 10132.

Rocker arm bridge, Saab V4

Kit complete with reinforced bearing brackets and extra attaching bolts. Gives a higher engine speed limit and reduces valve adjustment requirements.
Part No. 11718.

Cylinder head gaskets, Saab V4

Complete kits, made with reinforced steel linings.
Part No. 10173
Part No. 11734 (grey engine)

Copper gasket and sealing ring kits for high-performance competition engines.
Part No. 10157. Gasket kit, Diam. 91 mm
Part No. 10165. Sealing ring kit, Diam. 91 mm
Part No. 12757. Gasket kit, Diam. 93 mm
Part No. 12740. Sealing ring kit, Diam. 93 mm

Oil pump spring

Extra strong for reduction valve. Gives increased oil pressure, up to 7.0 kp/cm^2. To be used for all types of Group 2 tuning.
Part No. 10140.

Sparking plugs, Saab V4

Part No. 10991. For Group 2 tuned engines.
Part No. 11767. For Group 2 tuned grey engines.
Part No. (40) 234110005. For tuning kits.

Carburetter kit, 2 Weber 45 DCOE-16 S

Complete kit consisting of 2 carburetters, inlet manifold, air filter, throttle control, distributor and installation parts.

These twin horizontal carburetters, together with the Saab inlet manifold and air filter kit, give the highest possible performance over a wide engine-speed register. This kit fulfils the exhaust emission control standards laid down by the National Swedish Department of Road Safety.
Part No. 11627.

Radiator, Special, Saab V4

The capacity of the standard radiator does not suffice for engines tuned above 110 bhp DIN. Consequently a larger radiator with an expansion tank should be installed.
Part No. 11668. Radiator.
Part No. 11643. Expansion tank.

Brake pad kits, Saab V4

Pads of harder material, specially suitable for competition driving.
Part No. 10561.

ACCESSORIES Page 4

Oil cooler, Saab V4

Complete oil cooler kit with 10-row element, specially adapted for tuned Saab Cars. An oil cooler should always be installed for outputs exceeding 100 bhp DIN. Installation instructions accompany kit.
Part No. 12302.

Guard plates, Saab V4

Part No. 11007. Group 1.
Part No. 10652. Group 2.

These plates are made of 5 mm duralumin with spring-steel reinforcements. Both plates are supplied complete with anchorage arms and side stays.

Kerb and foglights

Part No. 10819. Bosche Rallye Knick 180 mm.
Part No. 12427. Hella 192 mm.

Spotlights

Part No. 10827. Bosch Rallye Knick 180 mm.
Part No. 12427. Hella 192 mm.

Auxiliary headlight holder

Specially designed for rally driving.
Part No. 10751.

Support stay for auxiliary headlights

Part No. (40) 207626003 Hella
Part No. (40) 207625005 Bosch

Headlight grilles

Made of wire. Intended for main headlights.
Part No. (40) 206300006. Round, V4.
Part No. (40) 206303000. Rectangular, V4.
Part No. (40) 206304008. Rectangular, Saab 99.

Stickers
"Saab Sport & Rally"

White/transparent
Part No. 11866. 410 mm.
Part No. 11882. 530 mm.
Blue/white
Part No. 11874. 410 mm.
Part No. 11890. 530 mm.

"Saab V4"

Part No. 12229. White.
For fitting on bonnet.

Trim tape, Saab 99

Self-adhesive stripes, to give the car that sporty appearance.
Fitting instructions included.
Part No. 11965.

Saab Sport & Rally manual

Covers the whole of the Sport & Rally range with comprehensive tuning and installation instructions, and the homologation form (identity card). The tuning instructions and identity card can also be purchased separately.
Part No. IN 17554.

DRIVING POSITION

Revolution counter

All-transistorized revolution counter built in the casing.
Install with attachment 10744.
Part No. 11015.

Attachment for revolution counter 11015, Saab V4

Part No. 10744.

Revolution counter with clock, Saab 99

For installation in clock recess in Saab 99, with effect from 1971 models. White scale on black dial. Adjustable max. engine speed indicator. Electric clock.
Part No. (10)8510281.

Trip meter

A precision instrument with extremely legible figures. Three counters, two of which show tens of metres, quick zeroing and gear for addition, release and subtraction. Supplied complete with drive cable and T-adapter. Attachment 10801 facilitates installation in glovebox.
Part No. 10793.

Attachment for trip meter 10793, Saab V4

Part No. 10801.

Leather steering wheel, Saab V4

Extremely elegant steering wheel with black anodized spokes and "thick grip". Supplied complete with hub and horn button.
NOTE! The only steering wheel approved for the Saab 96.
Part No. 12401.

Leather steering wheel, Saab 99

Same steering wheel as in the Saab 99 EMS. Suitable for all 99 models.
Part No. (10)8432098.

Crash pad for leather steering wheel, Saab 99

Part No. (10)8432098.

Competition seats

Part No. 10710. Driver's seat.
Part No. 10728. Co-driver's seat.

Comfortable and extremely high-quality competition seats. Equipped with tubular steel frames. Black nylon seat covers with leatherette side and back pieces. The co-driver's seat has a steplessly-adjustable squab, right down to the horizontal position. These seats are permissible in Group 2.

Seat undercarriage for 10710 and 10728, Saab V4

The seat undercarriages have been designed to meet prevailing regulations regarding the anchorage of seats. Attached in the same bolt holes as the standard seat supports.
Part No. 10736.

Head restraints for 10710 and 10728

For increased safety and comfort. Special head restraint suitable for both seats.
Part No. 11551.

Rally seat cover, Saab V4

Gives excellent lateral support for sporty driving.
Part No. 11908.

Map reading lamp

Adjustable, dazzle-free map-reading lamp with push-button switch.
Part No. 11197.

Map pocket

Very useful extra pocket, soft plastic, for installation under the instrument panel.
Part No. 10785.

PERSONAL EQUIPMENT AND EXTRA SAFETY EQUIPMENT

Saab Sports Jacket

Sporty 100 % dacron winter jacket. Acid and oil resistant, wind and waterproof, with teddy lining. Turned-up collar with hood attached. Two inclined side pockets, sleeve pocket, insinde pocket. Breast pocket with Saab Badge and yellow stripes of the same design as the Saab Competition Department. Two-way zip fastner and ribbed cuffs. A wonderful warm and strong winter jacket for Saab motorists. Available in sizes 45 - 56.
Part Nos. 11064 - 11114.

Saab Poloneck Pullover

Yellow, long-sleeved cotton poloneck pullover with Saab badge with blue stripes, of the same design as the Saab Competition Department.
Part No. 10934. Small.
Part No. 10942. Medium.
Part No. 10959. Large.

The Saab "Troll" shirt

Swedish-made T-shirt, white cotton with 3-colour badge.
Available in six sizes.
Part Nos. 12328 - 12377.

Driving gloves

Ensure a safer grip on the steering wheel. Real leather. Black/white, red and blue. Available in both ladies' and gentlemens' sizes.
Part Nos. 11122 - 11171.

Competition gloves

High-class competition gloves of an extremely good quality. Designed by Pat Moss-Carlsson. Available in Medium and Large sizes.
Part No. 12237 - 12245.

Four-point seat belt

Competition belt, consisting of lap and shoulder straps. Black woven nylon. Quick-action catch. Adjustable. Supplied complete with all anchorages.
Part No. 12286.

Competition helmet AGV x 70-GT

Available in white, red, blue, green, orange, yellow and silver.
Sizes 53-61.
Part Nos. 11916 - 11924.

"Ronnie Pettersson" competition helmet

Available in orange with white stripe and white with rod stripe.
Sizes: Small, Medium, Large and Extra large.
Part No. 11999.

Both of these helmets have been approved for competition use by SIS, Svemo and the Swedish Car Sport Association.

Peak

Suitable for both types of helmet. Available in white with red stripe. Sizes: Small, Medium, Large and Extra large.
Part No. 11932.

Helmet holder

To hang up helmets on. Easily fitted on to rear seat squab.
Part No. 11957.

Roll bar, Saab V4

Approved roll bar of extra-powerful design. Compulsory in international rallies.
Part No. 10694.

Cover for roll bar 10694

Made of black padded leatherette.
Part No. 10900.

Bonnet belt, Saab V4

Leather. Used as extra bonnet securing unit in competition driving.
Part No. 11809.

Rubber boot strap

Keeps the boot lid secure in competition driving.
Part No. 11817.

Fire extinguisher

Approved type fire extinguisher. Equipped with pressure gauge for charging control. Supplied complete with anchorage bracket.
Part No. 10983.

First-aid box

Fulfils the regultations regarding competition driving. Compulsory for all types of competitions.
Part No. 10967.

Warm blanket

An obvious safety item in winter.
Part No. 10975.

Warning triangle

Approved type. Stable iron stand. Collapsible. Plastic case.
Part No. (40)115106007.

Tow lines

With heavy-duty hooks. Length 5 metres. Polyether.
Part No. (40)121102008.

Plastic-covered steel cable.
Part No. (40)121105001.

Jump lead

1.2 metre insulated copper cables with cable terminals for "jumping in" on other batteries. You can "transfer" power from a charged battery to a flat one.
Part No. (40)250110004.

Wheel nut wrench

Made of chrome-vanadium steel.

Lockable tank caps

Part No. (40)107100000. Up to 1969 models.
Part No. (40)107101008. From 1970 models.

NOTE! Tank caps without breather holes may not be used on Saab cars prior to 1970 models.

Fuel can, Saab V4

Special spare fuel can for Saab V4. Locate beside spare wheel under boot on sedans. Contains 7 litres.
Part No. (40)120104005.

SAAB SPORT & RALLY

Tävlingsdetaljer
Competition parts

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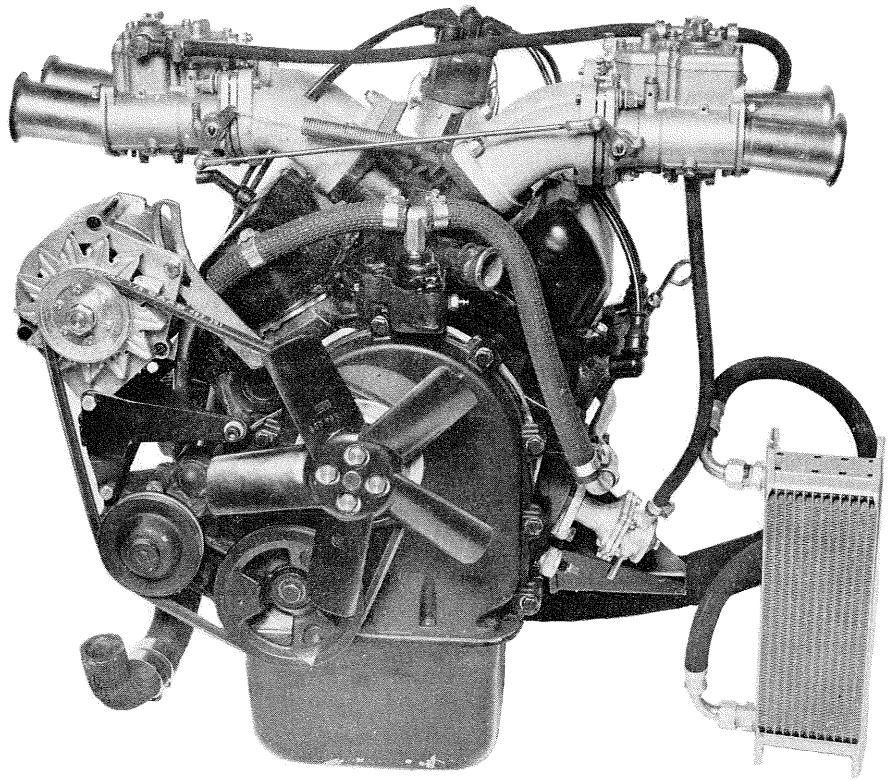
Sektion 2

Art nr 176354

Saab-Scania AB, Nyköping, Sweden

Juli/July 1975



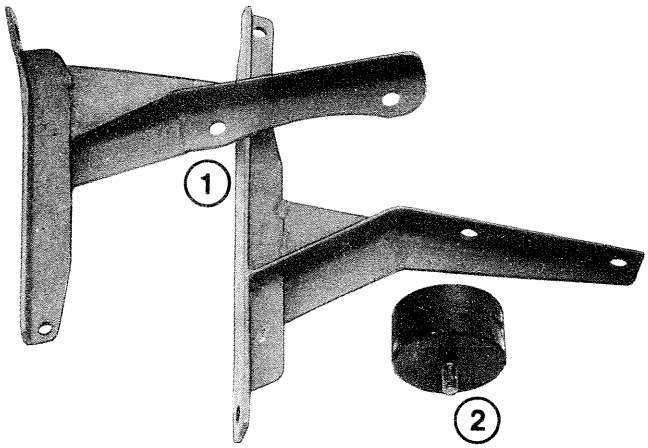
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Motor grp 2	1		10009	1)	Engine grp 2

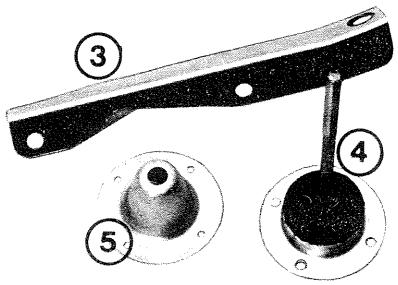
1) Motoreffekter från 100 hk DIN till 160 hk DIN, levereras mot offert.

1) Engine output from 100 bbp DIN –160 bpb DIN ask for an offer

Tävlingsdetaljer
Competition parts

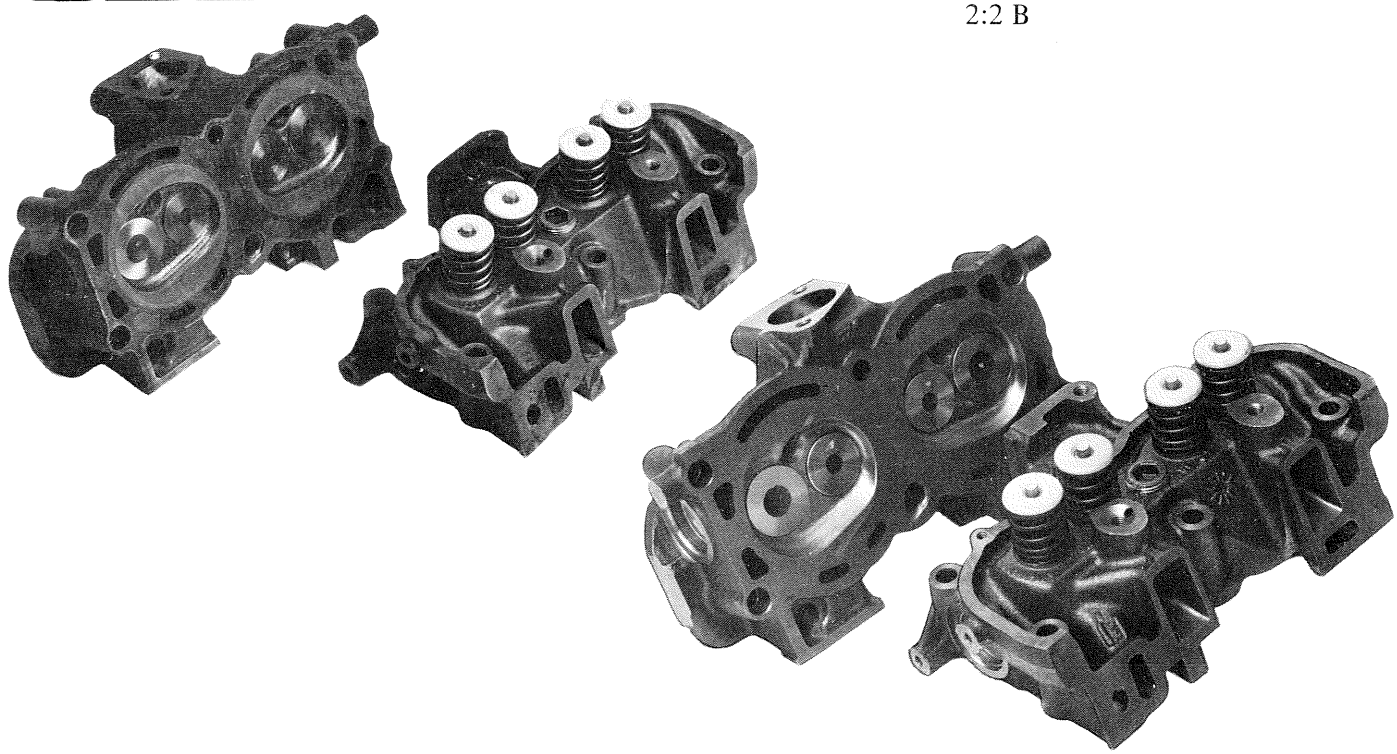
Motorkropp
Engine body
2:2 A





Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Järn (motorfäste)	1	1	10181		Bracket (engine support)
Gummikudde (motorfäste)	2	2	(10)8801706		Engine cushion
Fäste (växellåda)	1	3	(10)7104698		Bracket (gear box)
Stödkudde (växellåda)	1	4	(10)7332398		Support cushion (gear box)
Fäste (växellåda)	1	5	(10)7176423		Bracket (gear box)

Tävlingsdetaljer
Competition parts
Motorkropp
Engine body
2:2 B



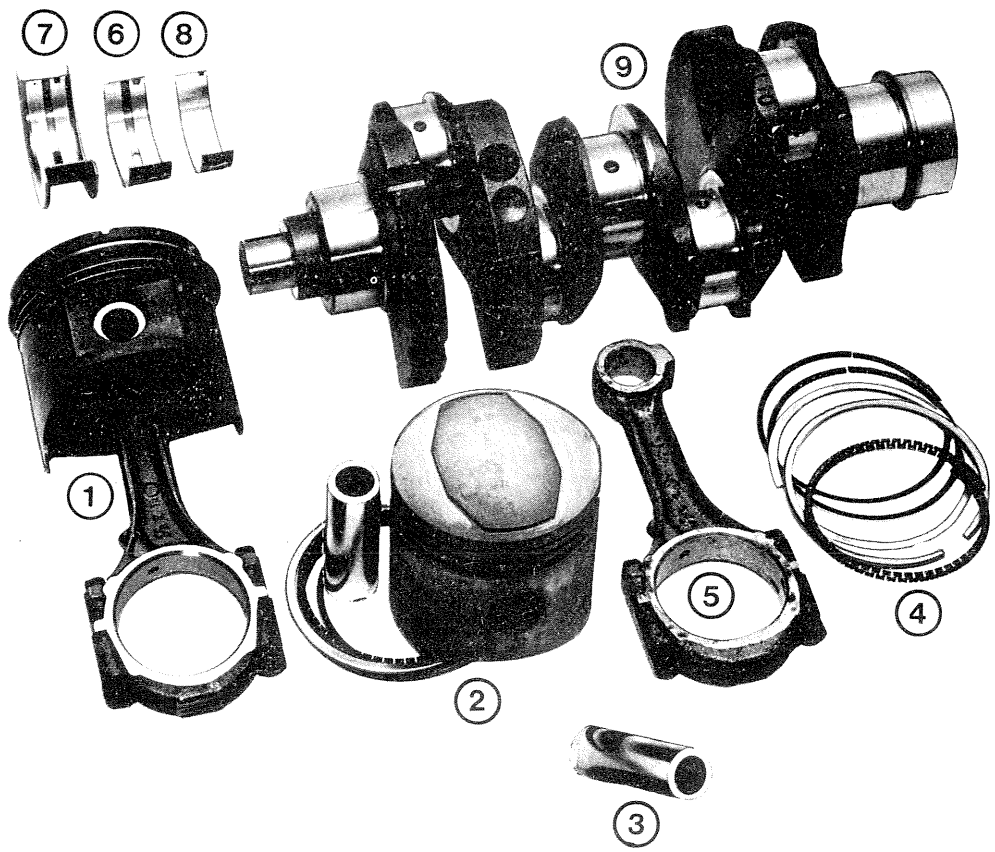
Bearbetat enl. ritning
92.8–2804, 92.8–2971,
92.8–2960.

Machined by
drawing
92.8–2804, 92.8–2971
92.8–2960.

Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Topplockssats	1		12849	1)	Cylinder head set
Topplockssats	1		13995	2)	Cylinder head set
Topplock	2		14225	3)	Cylinder head

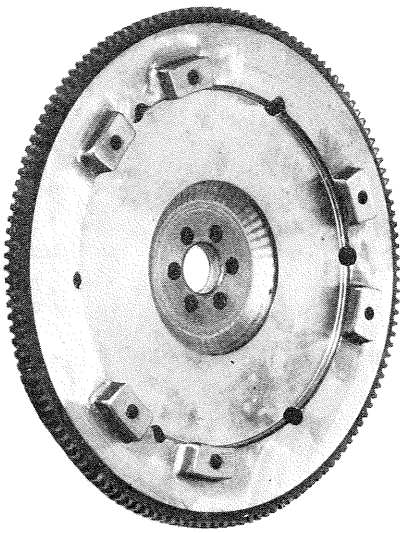
1) Enkelport grp II
2) Rallysats 1700 cc
3) Dubbelport grp II

1) Single port grp II
2) Rally kit 1700 cc
3) Dual port grp II



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Kolv kpl m vevstake, gjuten, 90 mm	4	1	15081	1700 cc	Piston assy with connecting rod, cast, 90 mm
Kolv kpl m vevstake, gjuten, 91 mm	4	1	10025	1700 cc	Piston assy with connecting rod, cast, 91 mm
Kolv kpl, smidd, 91 mm	4	2	10033	1500 cc	Piston assy, forged, 91 mm
Kolv kpl, smidd, 91 mm	4	2	10041	1700 cc	Piston assy, forged, 91 mm
Kolv kpl, smidd, 93 mm	4	2	12732	1815 cc	Piston assy, forged, 93 mm
Kolvbult	4	3	13441	10033, 10041, 12732	Piston pin
Kolvringar, sats	4	4	10066	10033, 10041	Piston ring set
Kolvringar, sats	4	4	13128	12732	Piston ring set
Vevstake	4	5	13144	10033, 10041, 12732	Connecting rod
Ramlager, mittre, blå	2	6	(10)8812414		Bearing, centre, blue
Ramlager, mittre, röda	2	6	(10)8812406		Bearing, centre, red
Ramlager, yttre, blå	4	7	(10)8812398		Bearing, outer, blue
Ramlager, yttre, röda	4	7	(10)8812380		Bearing, outer, red
Vevstakslager, blå	8	8	(10)8811226		Bearing, con. rod, blue
Vevstakslager, röda	8	8	(10)8811218		Bearing, con. rod, red
Vevaxel (modifierad)	1	9	10629	1700 cc	Crankshaft (modified)
Vevaxel (härdad)	1	9	13706	1700 cc	Crankshaft (hardened)
Vevaxel (sportsats)	1	9	(10)8848269	1700 cc	Crankshaft (1700 cc Sports kit)

Vevaxel och kolvar
Chrankshaft and pistons



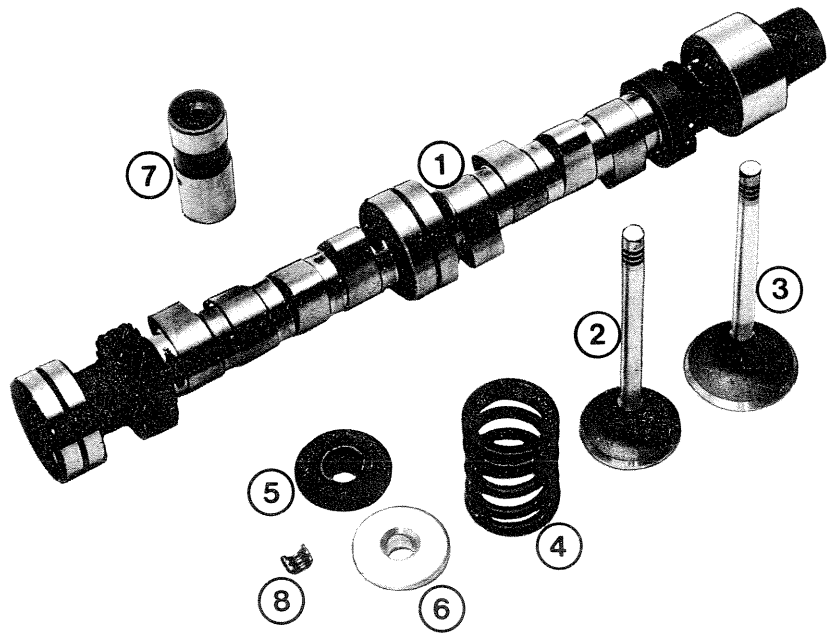
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Svänghjul kpl, gjutet	1		11692	Lättat Lightned	Flywheel assy, cast
Svänghjul kpl, smitt	1		13656	1)	Flywheel assy, forged

1) Vid montering av 13409 solfjäderkoppling

1) When 13409 diaphragm spring clutch is installed

Tävlingsdetaljer
Competition parts

Ventilsystem
Valve system
2:4 A



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Kamaxel 7,2	1	1	10074		Camshaft 7,2
Kamaxel 7,6	1	1	10082		Camshaft 7,6
Kamaxel 8,3	1	1	12765		Camshaht 8,3
Avgasventil, 37 mm	4	2	10108		Valve, exhaust, 37 mm
Avgasventil, 38 mm	4	2	11676		Valve, exhaust, 38 mm
Insugningsventil, 42 mm	4	3	10090		Valve, inlet, 42 mm
Insugningsventil, 44 mm	4	3	11684		Valve, inlet, 44 mm
Ventilfjäder	8	4	10116		Valve spring
Ventilfjäderbricka	8	5	10876	Första montering 1:st assembly	Valve spring retainer
Ventilfjäderbricka	8	6	10124	Andra montering 2:nd assembly	Valve spring retainer
Ventillyftare	8	7	10132		Tappet
Knaster	16	8	(10)8833956		Lock

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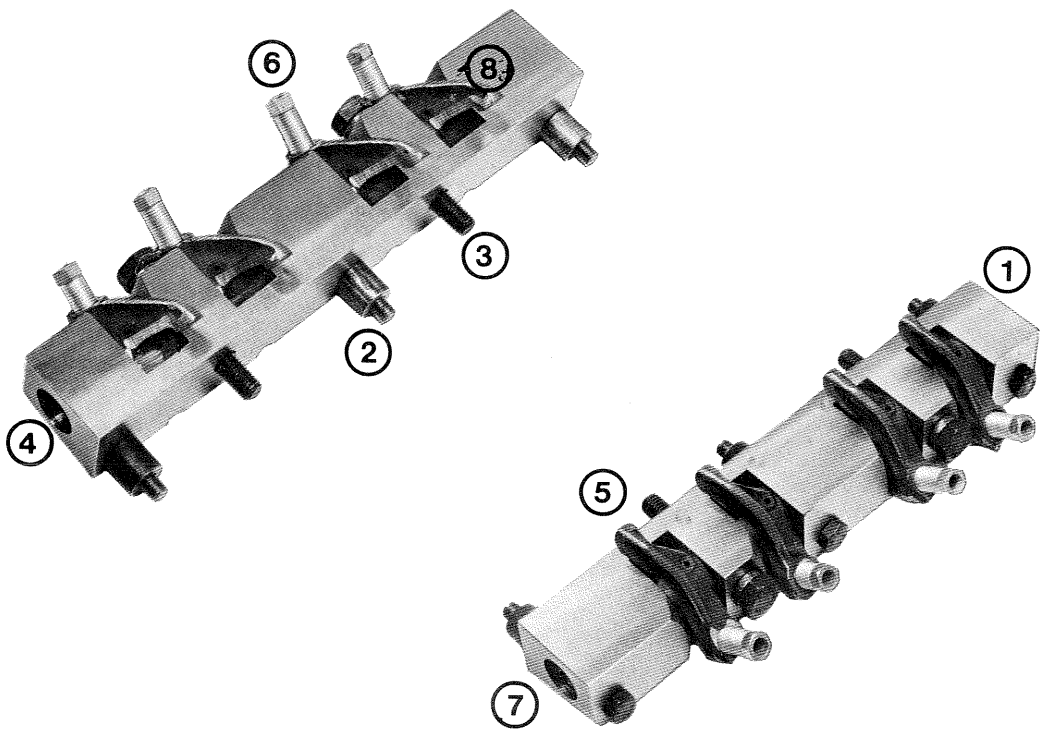
Tävlingsdetaljer
Competition parts

Ventilsystem
Valve system
2:4 B

Benämning	Ant Qty	Pos	Art nr Part no	Anmärkning Remark	Description
Ventilstyrningar	8		11726	10108, 10090	Valve guides
Ventilstyrningar	8		15057	11676, 11684	Valve guides
Oljetätning	8		13664	11726, 15057	Oil seal

Tävlingsdetaljer
Competition parts
Ventilsystem
Valve system
2:4 C



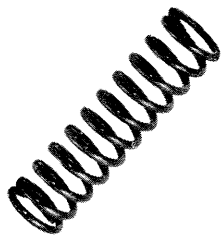
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Vipparmsbrygga	2	1	13045		Rocker arm
Distanshylsa	6	2	13052		Spacer tube
Skruv	6	3	13060		Screw
Ställskruv	8	4	(10)8812208		Adjustment screw
Spännstift	4	5	(10)8810384		Roll pin
Bult	6	6	(10)8831075		Bolt
Axel	2	7	(10)8814295	1)	Shaft
Vipparm	8	8	(10)8810871	1)	Rocker arm

1) Ingår i pos 1.

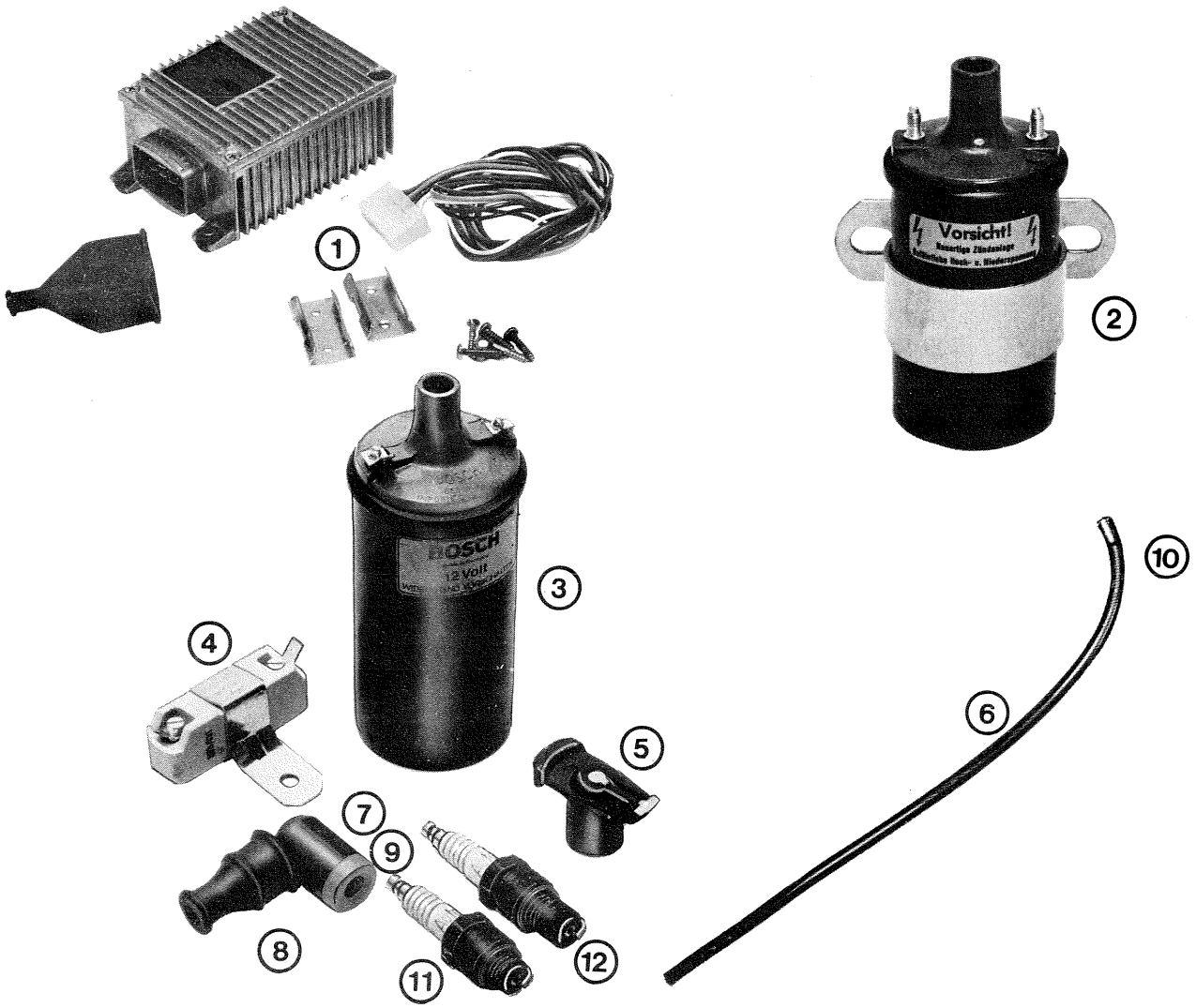
1) Included in pos 1.

Motorpackningar
Engine gaskets
2:5 A

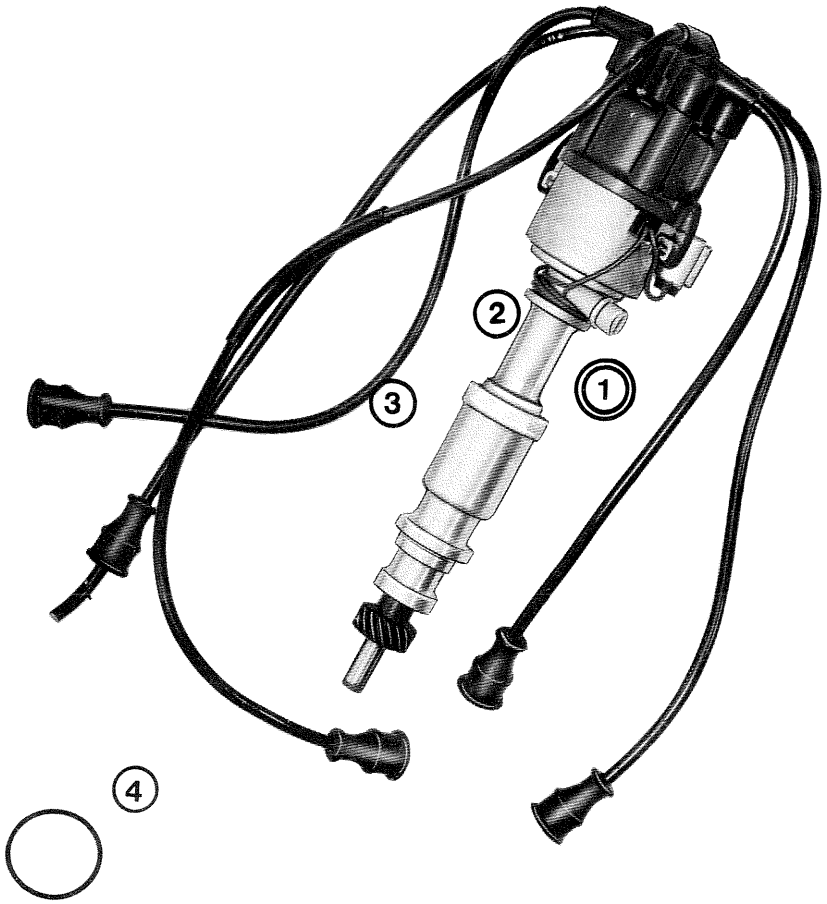
Benämning	Pos	Det nr Part no	Anmärkning Remarks	Description
Topplockspackningar	1	11734	Grå motor Grey engine	Head gaskets
Topplockspackningar	1	10173		Head gaskets
Topplockspackningar	2	10157	Utan skoning (91 mm) Without lining	Head gaskets
Topplockspackningar	2	12757	Utan skoning (93 mm) Without lining	Head gaskets
Tätningsringar	3	10165	10157	Seal reings
Tätningsringar	3	12740	12757	Seal rings



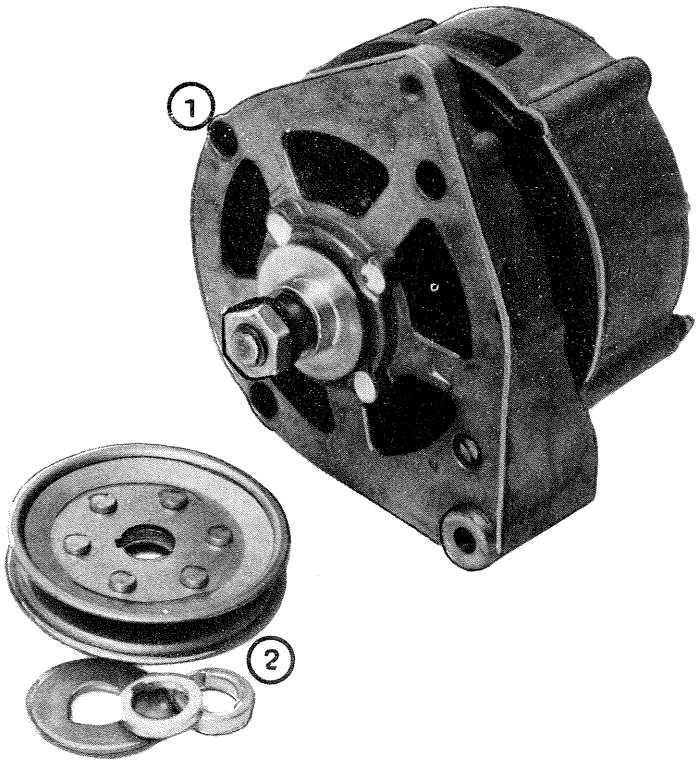
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Fjäder, oljepump	1	1	10140		Spring, oil pump



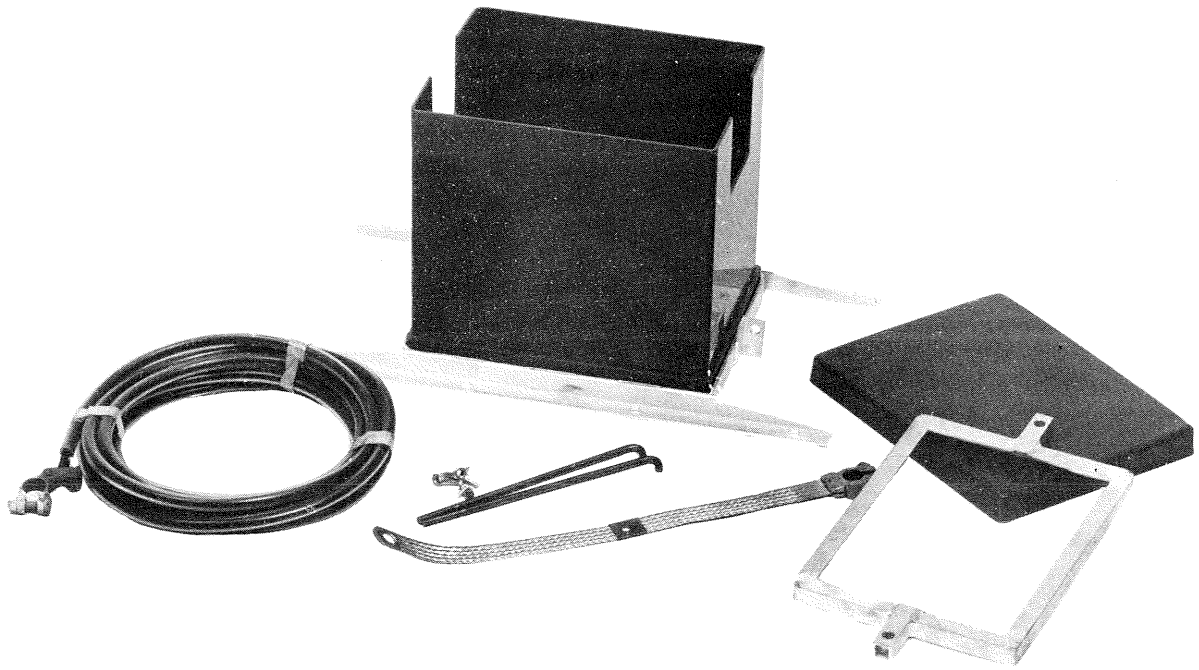
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Kondensatortändning		1	14308		Transistor ignition
Tändspole		2	14290	14308	Ignition coil
Tändspole		3	(10)8506636		Ignition coil
Förkopplingsmotstånd		4	(10)8300592		Serial resistance
Fördelararm		5	11775		Distributor arm
Tändkabel		6	(10)8830408		Ignition cable
Tändkabelhatt		7	(10)7125701		Spark plug connection
Gummihatt		8	(10)7189657		Rubber sleeve
Gummiring		9	(10)7125743		Rubber ring
Kabelsko		10	(10)7809932		Cable terminal
Tändstift AE901		11	11767	Grå motor Grey engine	Spark plug AE901
Tändstift AG901		12	10991		Spark plug AG901



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Tändfördelare, sats	1	1	13623	13599, 13607	Distributor, set
.Tändfördelare	1	2	12591		.Distributor
.Tändkabel	1	3	13573	Cyl. 1	.Ignition cable
.Tändkabel	1		13540	Cyl. 2	.Ignition cable
.Tändkabel	1		13557	Cyl. 3	.Ignition cable
.Tändkabel	1		13565	Cyl. 4	.Ignition cable
.Tändkabel	1		13581	Spole-förd. Coil–distr.	.Ignition cable
.O-ring	1	4	13268		. Oil-seal



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Generator	1	1	11791	55 amp	Altenator
Remskiva	1	2	13102		Pulley

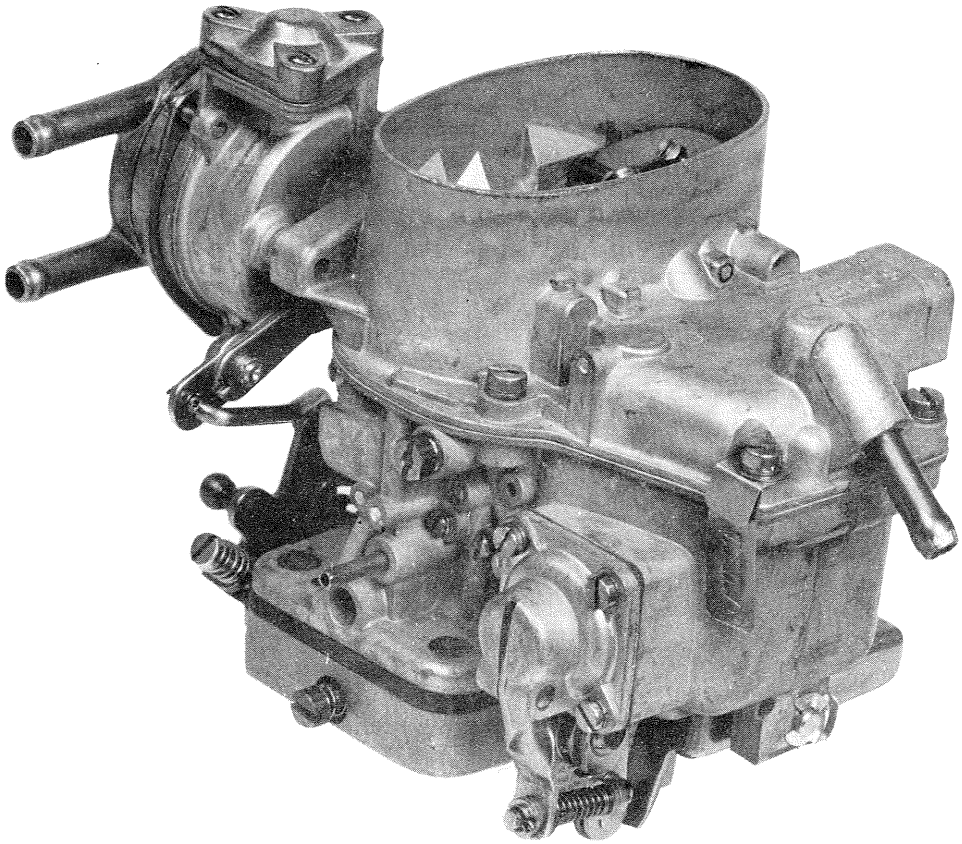


Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Batterilåda kpl	1		11841		Battery box, compl.
.Batterilåda	1		13508		.Battery box
.Lock	1		13516		.Cover
.Batterihållare, övre	1		13920		.Battery carrier, upper
.Batterihållare, undre	1		13938		.Battery carrier, lower
.Fästhake	2		13946		.Hook
.Vingmutter	2		(10)7036213		.Wing nut
.Batterikabel kpl.	1		13698		.Battery cable, compl.
.Jordfläta	1		(10)8806739		.Ground connection
.Skruv	1		(10)7934441		.Screw
.Mutter	1		(10)7961964		.Nut
.Plåtskruv	2		(10)7922727		.Screw

SAAB SPORT & RALLY

Tävlingsdetaljer
Competition parts

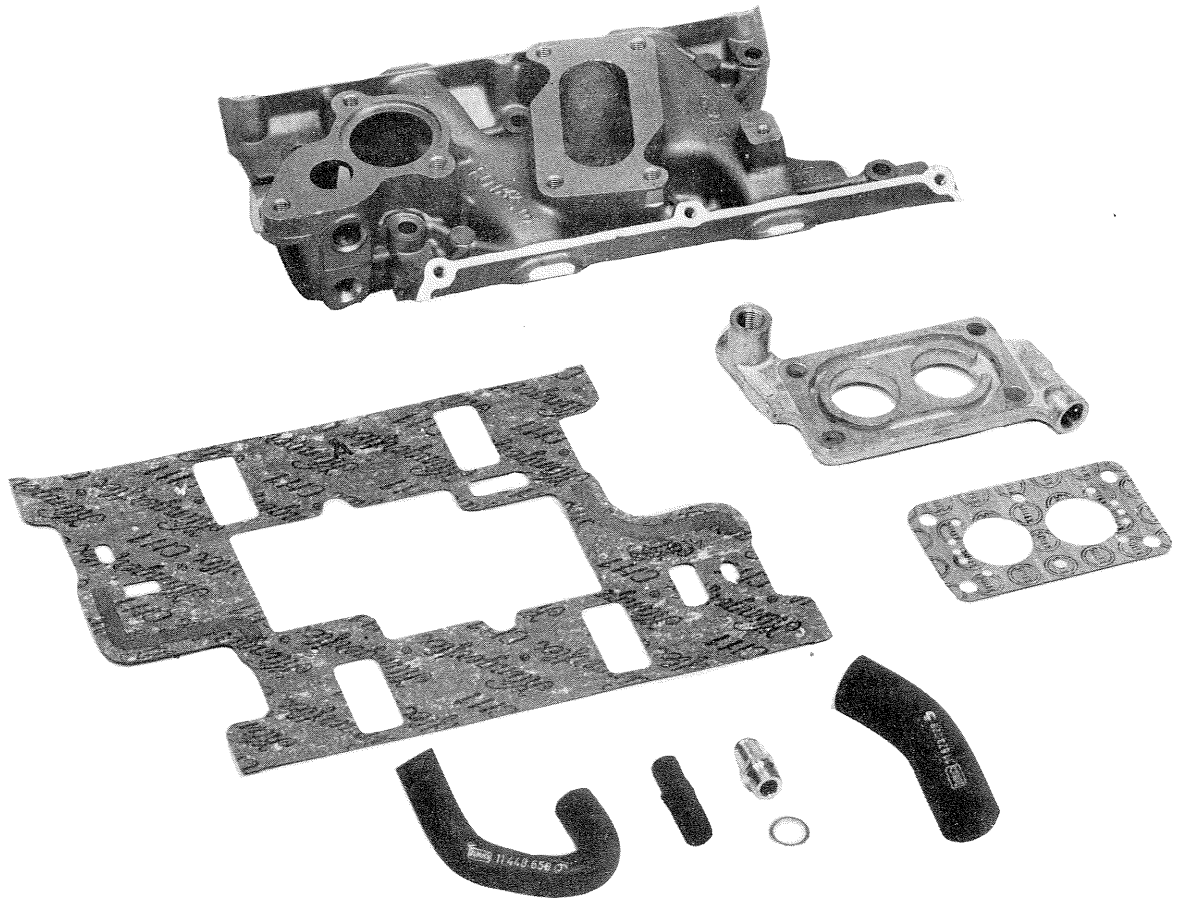
Förgasare
Carburettor
2:8 A



Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Förgasare	1		11254	Solex 32TDID ingår i 11247 Included in 11247	Carburettor
.Flottör			13276		.Float
.Nålventil			13284		.Needle, valve
.Packning förg.hus–förg.lock			13292		.Gasket (Carburettor body–cover)
.Fästskruv förg.lock–kort skruv			13300		.Fastening screw carburettor cover (short)
.Fästskruv förg.lock–lång skruv			13318		.Fastening screw carburettor cover (long)
.Tomgångsskruv			13326		.Idling control screw
.Fjäder do			13334		.Spring do
.Blandningskruv			13342		.Idle mixture control screw
.Fjäder do			13359		.Spring do
.Huvudmunstycke			13367	x122,5	.Main jet
.Huvudmunstycke			13375	x147,5	.Main jet
.Tomgångsmunstycke			13383	45	.Idling jet
Luftfilter	1		11262		Air cleaner
Filterinsats	1		12310		Air cleaner insert

Tävlingsdetaljer
Competition parts

Insugningsrör
Inlet manifold
2:8 B



Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Insugningsrör	1		11320	Ingår i 11254 Included in 11254	Inlet manifold
Packning do	1		(10)8831034		Gasket do
Mellanfläns	1		11270		Intermediate flange
Packning do	2		11288		Gasket do
Nippel för vevhusventil	1		(10)8812141		Nipple Crank case ventilation
Nippel för servo	1		(10)8807547		Nipple booster
Packning do	1		(10)8814105		Gasket do
Slang vänster kåpa	1		11411		Hose left valve cover
Slang höger kåpa till filter	1		(10)8803488		Hose right valve cover to air cleaner

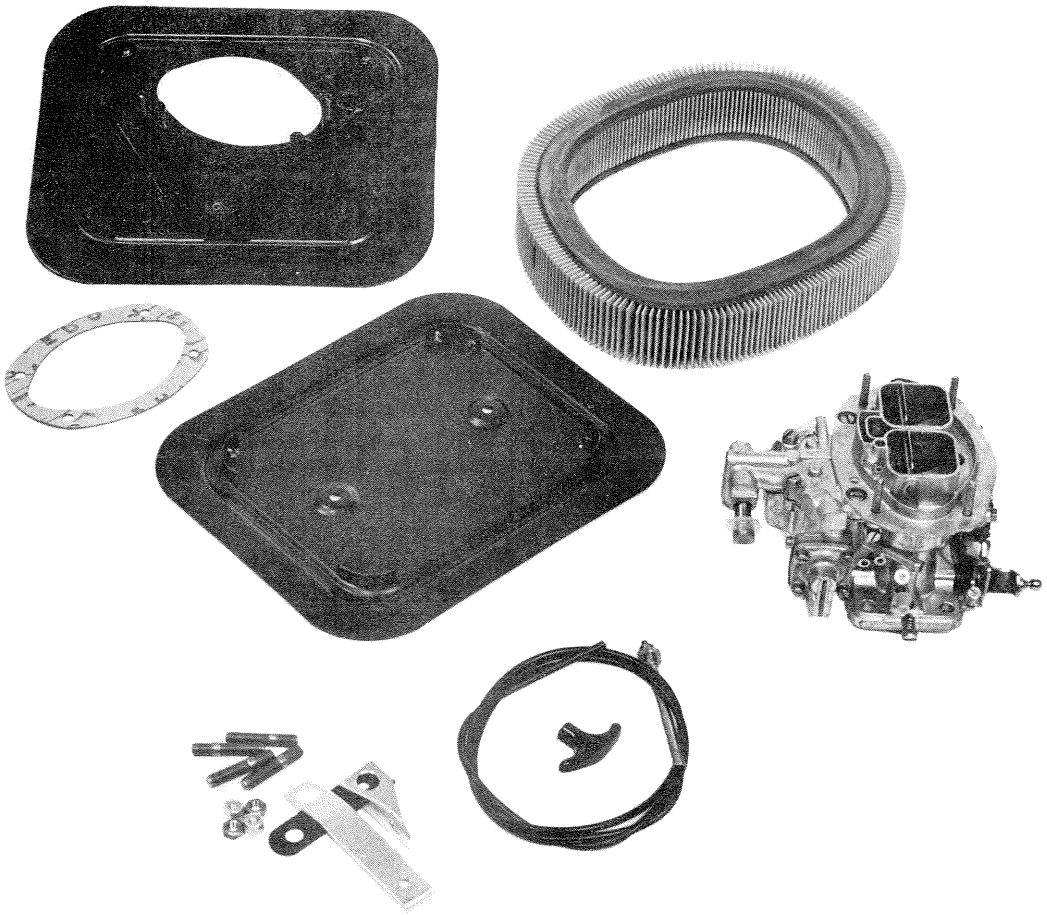
Tävlingsdetaljer
Competition parts

Reglageaxel
Throttle control shaft
2:8 C

Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Reglageaxel	1		11379	Ingår i 11254 Included in 11254	Throttle control shaft
Konsol, gasreglage	1		(10)8801284		Bracket throttle control
Plastbussning do	1		(10)7079247		Bushing throttle control
Fjäder	1		(10)7348121		Spring throttle control
Saxpinne	1		11387		Cotter pin
Tryckstång	1		11395		Push rod
Kulskål VG	1		12500		Ball seat left hand thread
Mutter VG	1		12518		Nut left hand thread
Kulskål HG	1		12526		Ball seat right hand thread
Mutter HG	1		12534		Nut right hand thread
Bygel	2		12542		Clamp

Tävlingsdetaljer
Competition parts

Förgasare
Carburettor
2:8 D



Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Ingår i rallysats 14001					Included in rally kit 14001
Förgasare	1		13524	Weber 32/36 DFV	Carburettor
Filterbotten	1		13961		Air cleaner bottom
Filterlock	1		13979		Air cleaner top
Filterinsats	1		13714		Air clener insert
Mutter	4		14233	M5	Nut
Bricka	4		(10)8029944		Washer
Packning filter–förg	1		13722		Gasket air cleaner–carburettor
Fäste, chokreglage	1		13896		Bracket choke control
Skruv	1		(10)7934441		Screw
Mutter	1		(10)7961964		Nut
Bricka	1		(10)8029944		Washer
Handtag, chokereglage	1		(10)7175904		Knob, choke control
Bussning	1		(10)8800567		Bushing
Genomföring	1		(10)7933518		Grommet
Choke	1		(10)8502544		Choke control

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Tävlingsdetaljer
Competition parts

Insugningsrör
Inlet manifold
2:8E

Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Ingår i rallysats 14001					Included in rally kit 14001
Insugningsrör	1		11320	13524	Inlet manifold
Mellanfläns	1		11437		Flange
Slang, ventilkåpa–filter	1		(10)8803488		Hose, valve cover–aircleaner
Distanshylsa	2		13748		Spacer
Mutter	2		(10)7940422	1/4" UNC	Nut
Nippel	1		(10)8812141		Nipple
Nippel	1		(10)8807547		Nipple
Bricka	1		(10)8814105		Washer
Packning	2		11429		Gasket
Pinnskruv	4		(10)8810582		Stud
Bricka	4		(10)8810269		Washer
Mutter	4		11502		Nut
Slang	1		(10)8812331		Hose
Slang	1		(10)8833154		Hose
Skarvrör	1		13763		Jointing pipe
Slang	1		(10)8834863		Hose
Bränsleslang	1		12559		Fuel line
Klamma	2		(40)517500005	Ø 12 mm	Clamp

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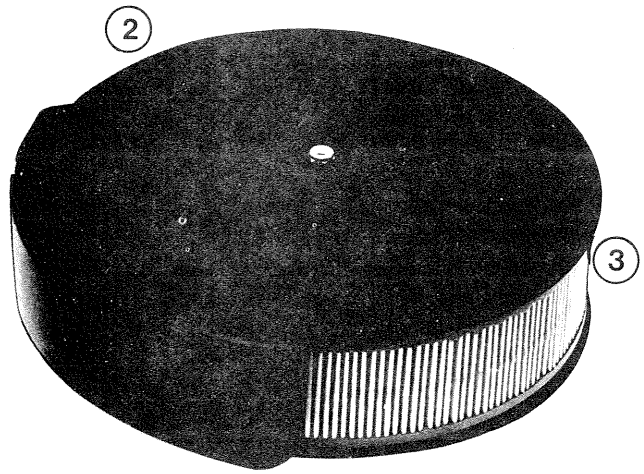
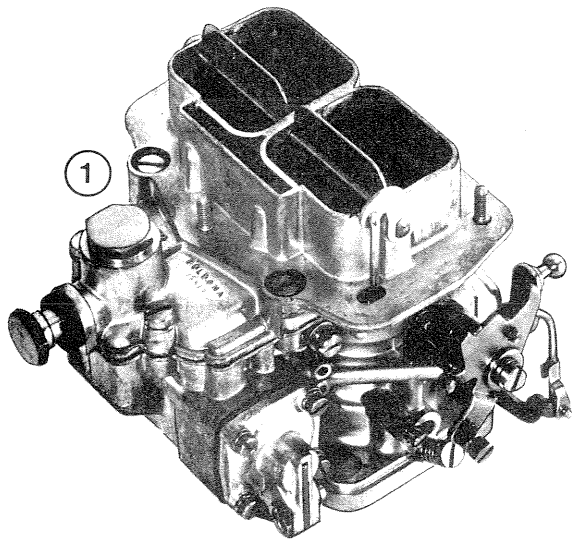
Tävlingsdetaljer
Competition parts

Reglageaxel
Throttle control shaft
2:8 F

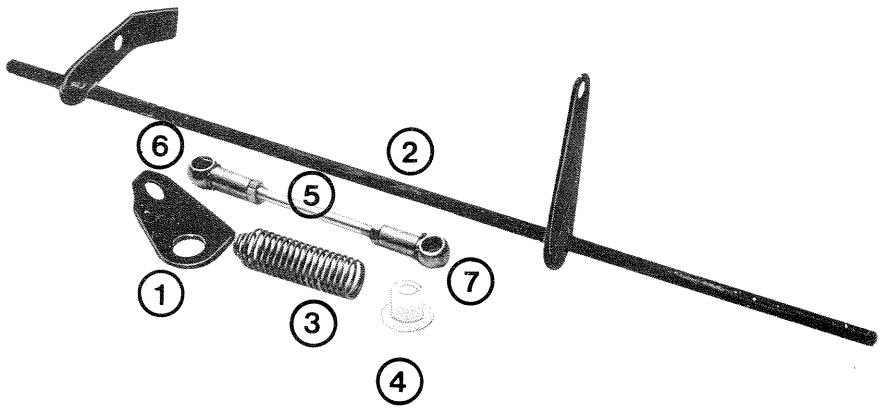
Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Ingår i rallysats 14001					Included in rally kit 14001
Reglageaxel	1		13904	13524	Throttle control shaft
Tryckstång, förg	1		13755		Throttle push rod
Kulskål HG	1		12526		Ball seat right hand thread
Kulskål VG	1		12500		Ball seat left hand thread
Låsclips	2		12542		Locating clips
Mutter VG	1		12518		Nut. left hand thread
Mutter HG	1		12534		Nut, right hand thread
Saxpinne	1		11387		Cotter pin
Plastbussning	1		(10)7079247		Bushing
Fjäder	1		(10)7348121		Spring
Planbricka	1		11510		Flat washer
Konsol	1		11338		Bracket, throttle control
Returfjäder	1		(10)7352917		Return spring, throttle control
Fäste, returfjäder	1		13888		Bracket, throttle spring



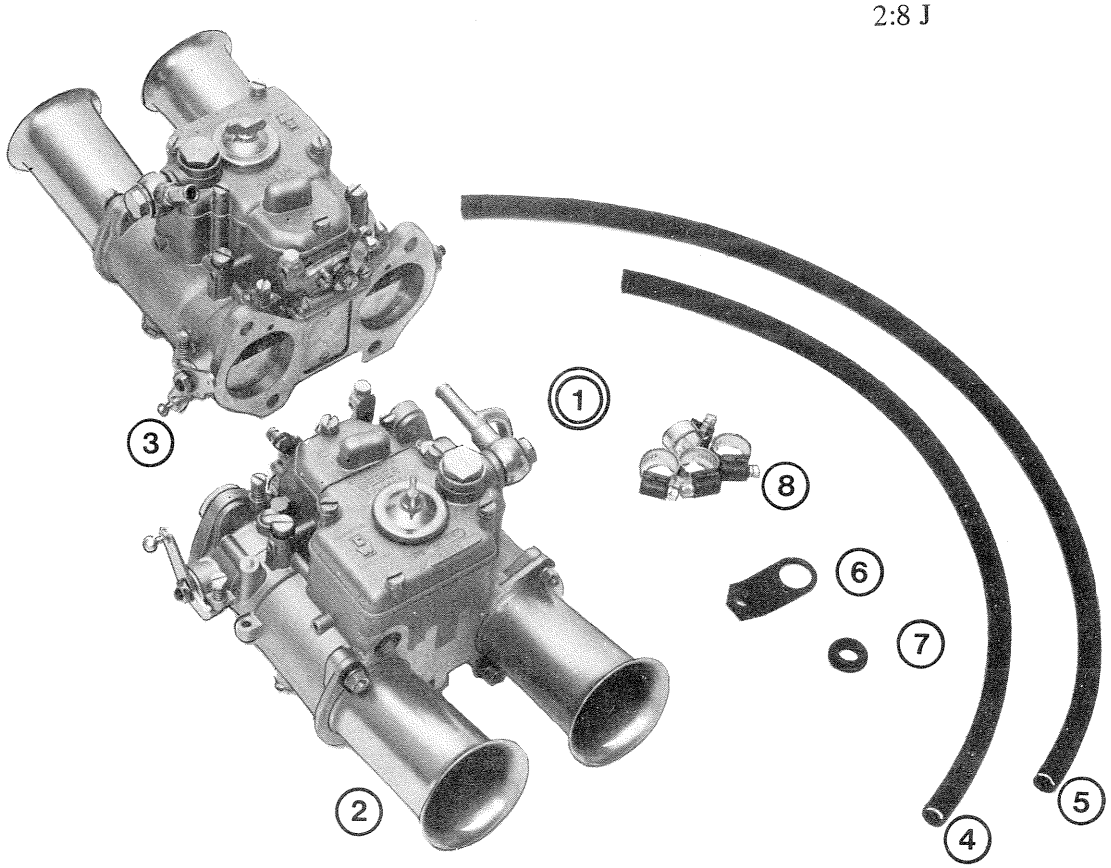


Benämning	Pos	Det nr Part no	Anmärkning Remarks	Description
Förgasare	1	10199	Weber DFI 40/2	Carburettor
. Tomgångsmunstycke 65		10363		. Idle jet 65
. Huvudmunstycke 190		10371		. Main jet 190
. Huvudmunstycke 200		10389		. Main jet 200
. Huvudmunstycke 210		10397		. Main jet 210
. Huvudmunstycke 230		10405		. Main jet 230
Luftfilter exkl. insats	2	10215		Air cleaner
Insats	3	(10)8860439		Insert
Packning		11569		Gasket

Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Insugningsrör	1	2	11320	10199	Inlet manifold
Packning	2	3	11429		Gasket
Mellanfläns	1	4	11437		Intermediate flange
Nippel	1	5	(10)8812141		Nipple
Nippel	1	6	(10)8807547		Nipple
Packning	1	7	(10)8814105		Gasket
Pinnskruv	4	8	(10)8810582		Stud
Mutter	4	9	(10)8810228		Nut
Planbricka	4	10	(10)8810236		Washer
Slang	1	11	(10)8803488		Hose
Slang	1	12	(10)8834863		Hose
Nippel	1		11445		Nipple



Benämning	Ant Qty	Pos	Det nr Part no	Anmarkning Remarks	Description
Konsol	1	1	11338	10199	Bracket
Reglageaxel	1	2	11825		Control shaft
Fjäder	1	3	(10)7348121		Spring
Plastbussning	1	4	(10)7079247		Bushing
Saxpinne	1		11387		Cotter pin
Tryckstång	1	5	11353		Push rod
Kulskål, vänstergängad	1	6	12500		Ball seat, left handed
Mutter, vänstergängad	1		12518		Nut, left handed
Kulskål, högergängad	1	7	12526		Ball seat, right handed
Mutter, högergängad	1		12534		Nut, right handed
Bygel	2		12542		Clamp



Benämning	Ant Oty	Pos	Det nr Part no	Anmärkning Remarks	Description
Förgasare, sats	1	1	13607	Weber 45 DCOE–16S	Carburettor, set
.Förgasare, vänster	1	2	12385		.Carburettor, left
.Förgasare, höger	1	3	12393		.Carburettor, right
.Bränsleslang	1	4	12559	480 mm	.Fuel hose
.Bränsleslang	1	5	12567	640 mm	.Fuel hose
.Fäste	1	6	13672		.Bracket
.Gummigenomföring	1	7	13680		.Grommet
.Slangklamma	4	8	(40)517500005		.Hose clamp
.Hävarm (utgående)			12856		.Lever (outlet)
.Bränsleinloppsrör			12864		.Fuel inlet connection
.Hävarm (ingående)			12872		.Lever (inlet)
.Bränsleinloppsrör			12880		.Fuel pipe
.Emulsionsmunstycke			12906	230	.Air correction Jet
.Lock (insp.lucka övre)			13037		.Jets inspection cover

Benämning	Ant Oty	Pos	Det nr Part no	Anmärkning Remarks	Description
Luftfiltersats	1	1	13631		Air cleaner set
.Skruv	6	2	(10)7903016		.Screw
.Skruv	2	3	(10)7903024		.Screw
.Mutter	2	4	(10)7914690		.Nut
.Mutter	8	5	(10)7940406		.Nut
.Bricka	2	6	(10)8029969		.Washer
.Filterinsats	2	7	(10)8384737		.Insert
.Slang	1	8	(10)8834863		.Hose
.Klammer	4	9	(10)7355233		.Clamp
.Gummibälg	4	10	12641		.Rubber bellows
.Filterhus, vänster	1	11	12658		.House, left
.Filterhus, höger	1	12	12666		.House, right
.Lock	2	13	13185		.Cap
.Filterfäste, vänster	1	14	13193		.Bracket, left
.Filterfäste, höger	1	15	13201		.Bracket, right
.Låsband	2	16	13250		.Lock strap
. Band			(10)8436552		..Strap
. Skruv			(10)7903016		..Screw
. Mutter			(10)7940422		..Nut
.Klammer	2	17	14068		.Clamp
.Klammer	2	18	14076		.Clamp

SAAB SPORT & RALLY

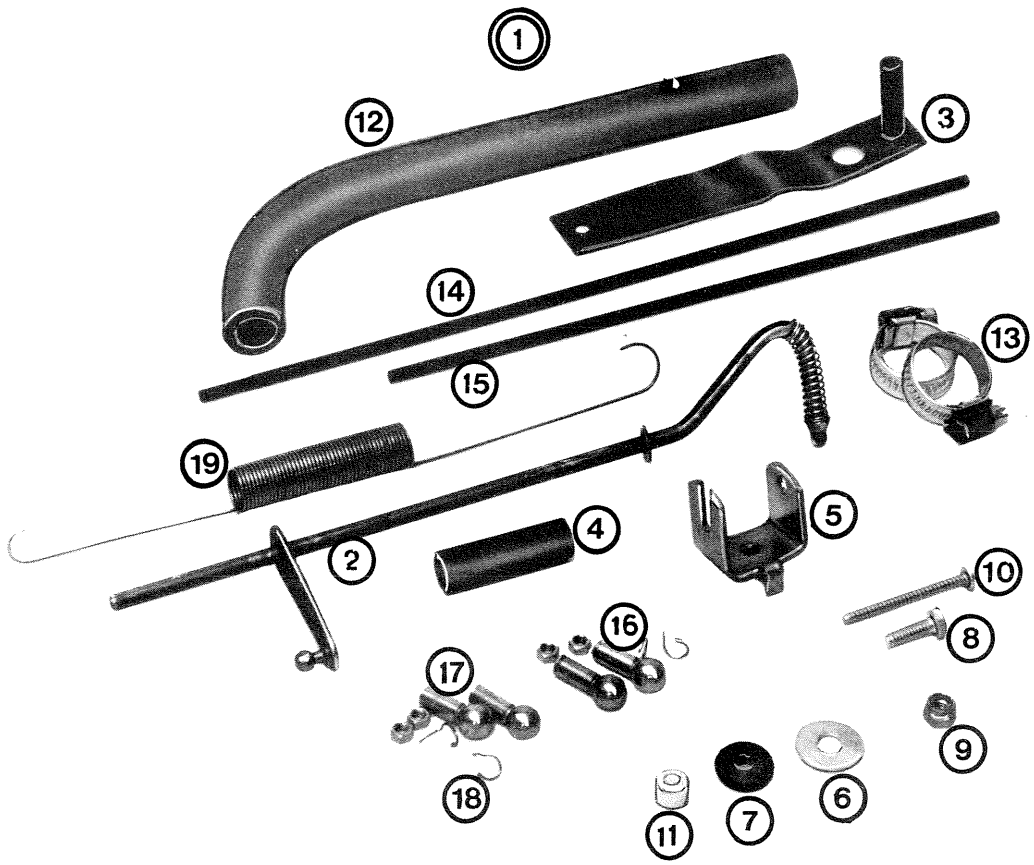
Tävlingsdetaljer
Competition parts
Bränslesystem
Fuel system
2:8 L

Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Insugningsrör, sats	1	1	13599	13607	Inlet manifold, set
.Insugningsrör	1	2	12690		.Inlet manifold
.Skarvrör	2	3	12708		.Extension tube
.Fästbult	2	4	12435	110 mm	.Bolt
.Fästbult	2	5	12716	100 mm	.Bolt
.Pinnskruv	8	6	12674	M8x40	.Stud
.Packning	4	7	12443		.Gasket
.Mutter	16	8	12682	M8	.Nut
.Mellanfläns	4	9	12450		.Intermediate flange
.O-ring	8	10	12468	50x4	.O-ring
.Dubbel fjäderbricka	8	11	13078		.Double spring washer
.Nippel	2	12	12476		.Nipple
.Flamskydd	3	13	12575		.Flame guard
.Fästbult	1	14	(10)8810616	85 mm	.Bolt
.Fästbult	1	15	(10)8810459		.Bolt
.Pinnskruv	8	16	(10)8810590	M8x60	.Stud
.Planbricka	22	17	(10)8810236		.Washer
.Mutter	4	18	(10)8831281		.Nut
.Packning, termostat	1	19	(10)8811895		.Gasket, thermostat
.Packning	1	20	(10)8831034		.Gasket
.T-rör	1	21	(10)880747		.T-tube
.Slang	1	22	(10)8812331		.Hose

Saab-Scania AB, Nyköping, Sweden

Juli/July 1975

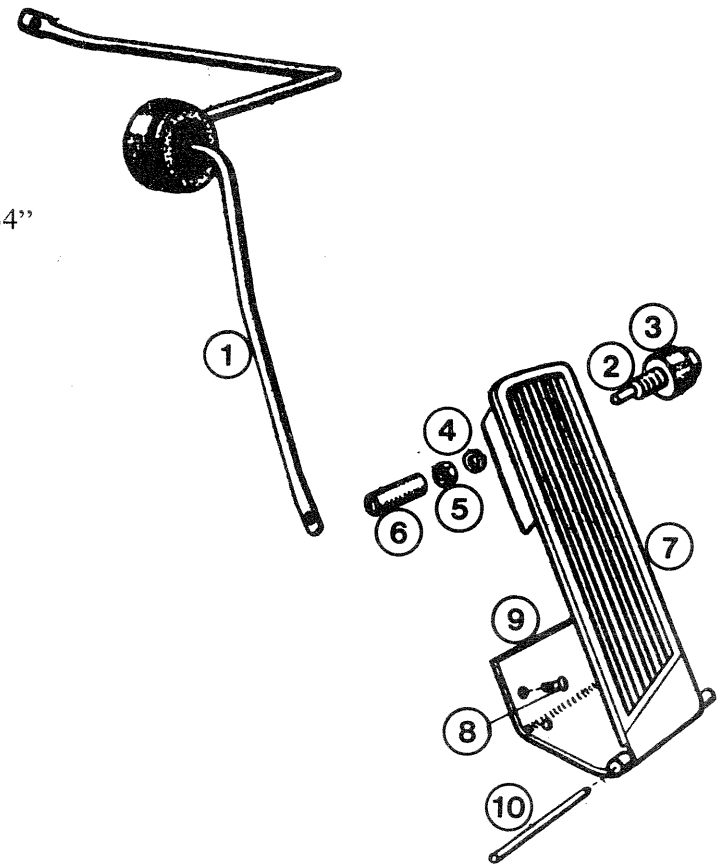
Tävlingsdetaljer
Competition parts
Bränslesystem
Fuel system
2:8 M



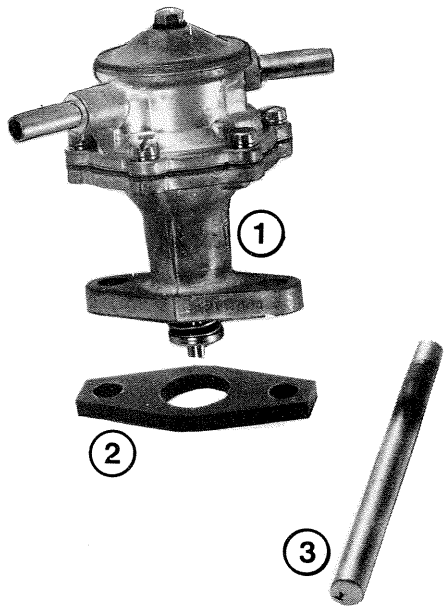
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Reglagesats	1	1	13615	13607	Throttle lever kit
.Reglageaxel	1	2	12617		.Throttle lever
.Reglagekonsol	1	3	12625		.Throttle bracket
.Skarvrör	1	4	12633		.Extension tube
.Hävarm	1	5	12484		.Lever
.Bricka	1	6	(10)7311772		.Washer
. Gummigenomföring	1	7	(10)7933518		.Grommet
.Bult	1	8	(10)7903016		.Bolt
.Mutter	1	9	(10)7940422		.Nut
.Skruv	1	10	(10)7946783		.Screw
.Bussning	1	11	(10)8800567		.Bushing
.Slang	1	12	(10)8803934		.Hose
.Slangklamma	2	13	(40)517503009		.Hose clamp
.Tryckstång	1	14	12492	335 mm	.Push rod
.Tryckstång	1	15	12583	265 mm	.Push rod
.Kulskål, högergängad	3	16	12526		.Ball seat, right handed
.Mutter, högergängad	3		12534		.Nut, right handed
.Kulskål, vänstergängad	1	17	12500		.Ball seat, left handed
.Mutter, vänstergängad	1		12518		.Nut, left handed
.Låsbygel	4	18	12542		.Lock clamp
.Returfjäder	1	19	(10)7352917		.Return spring

Gaspedal "Special 64"

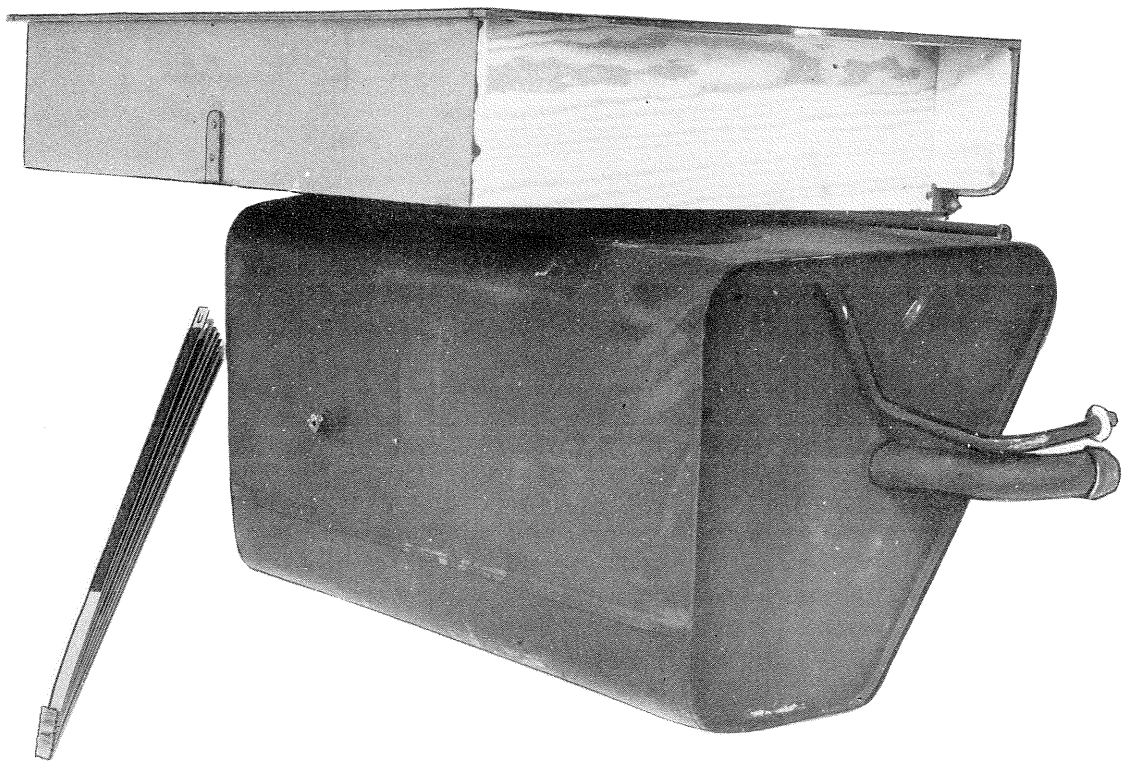
Foot throttle "Special 64"



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Pedalarm	1	1	(10)7082514		Accelerator pedal
Skruv	1	2	(10)7099864		Screw
Rulle	1	3	(10)7099849		Roller
Fjäderbricka	1	4	(10)7910540		Spring washer
Mutter	1	5	(10)7914690		Nut
Gummihylsa	1	6	(10)7109390		Rubber sleeve
Gaspedalplatta	1	7	(10)7192370		Accelerator pedal plate
Plåtskruv	2	8	(10)7922818		Self-tappning screw
Gångjärnshalva	1	9	(10)7192362		Hinge half
Pinne	1	10	(10)7192388		Pin



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Bränslepump	1	1	(10)8860314		Fuel pump
Isoleringsbricka	1	2	11742		Isolating washer
Förlängd tryckstång	1	3	11759		Push rod (extended)

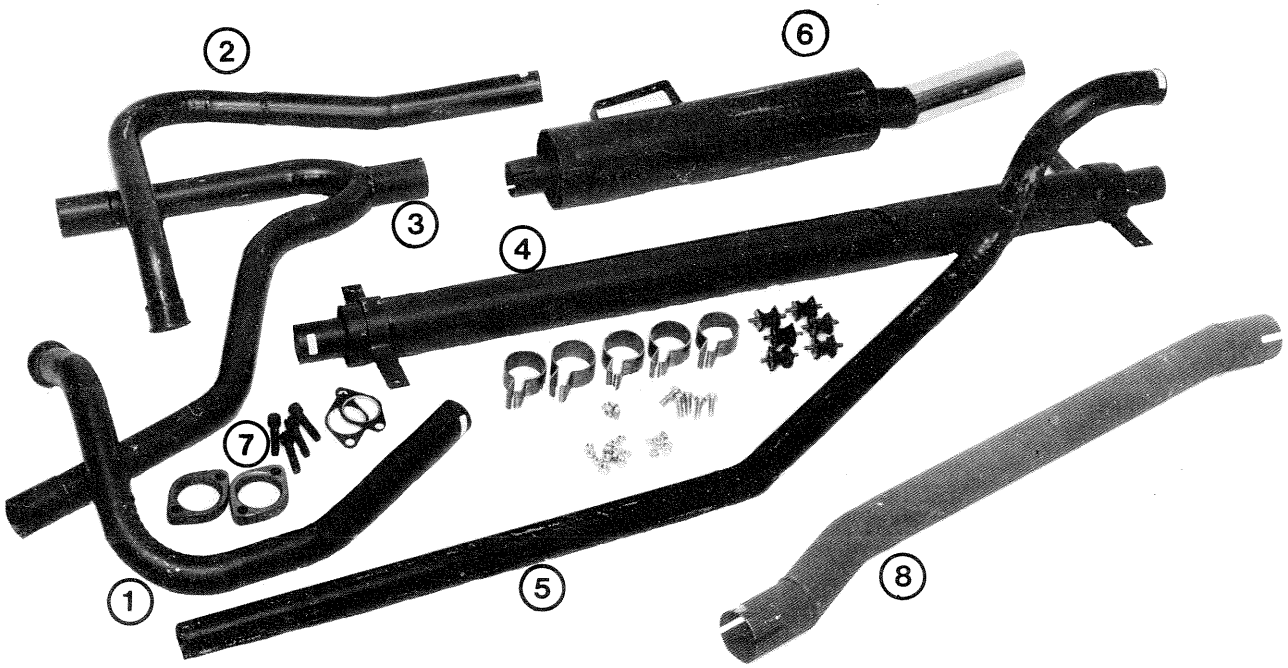


Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Bränsletank, 70 l	1	1	10330		Fuel tank, 70 l
Tankinsats, bränslemätare	1		11593		Fuel gauge transmitter
Skyddskåpa	1	2	10355		Protection cover
Monteringssats	1	3	10348		Mounting kit

SAAB SPORT & RALLY

Tävlingsdetaljer
Competition parts

Avgassystem
Exhaust system
2:9 A



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Främre rör, vänster	1	1	15016	1)	Front pipe, left
Främre rör vänster	1		12021	2)	Front pipe, left
Främre rör, höger	1	2	15024	1)	Front pipe, right
Främre rör, höger	1		12013	2)	Front pipe, right
Förgreningsrör	1	3	15032	1)	"Y" section
Förgreningsrör	1		12039	2)	"Y" section
Främre ljuddämpare	1	4	12047		Front muffler
Mellanrör	1	5	12054		Connecting pipe
Bakre ljuddämpare	1	6	12062		Rear muffler
Fläns	2	7	10314		Flange
Förlängningsrör	1	8	15594	Saab 95	Extention pipe
För kompl. system måste en av nedanstående mont.satser beställas:					To get a complete system you have to order one of the following mounting kits:
Monteringssats	1		12294	Sportsats Sport's kit	Mounting kit
Monteringssats	1		14043	Rally sats Rally kit	Mounting kit

1) Ch 96722013536– (Bilar utan krängningshämmare och standard B)

2) –ch 96722013535 (Bilar med krängningshämmare samt även reservdel till sportsatssystem av tidigare utförande

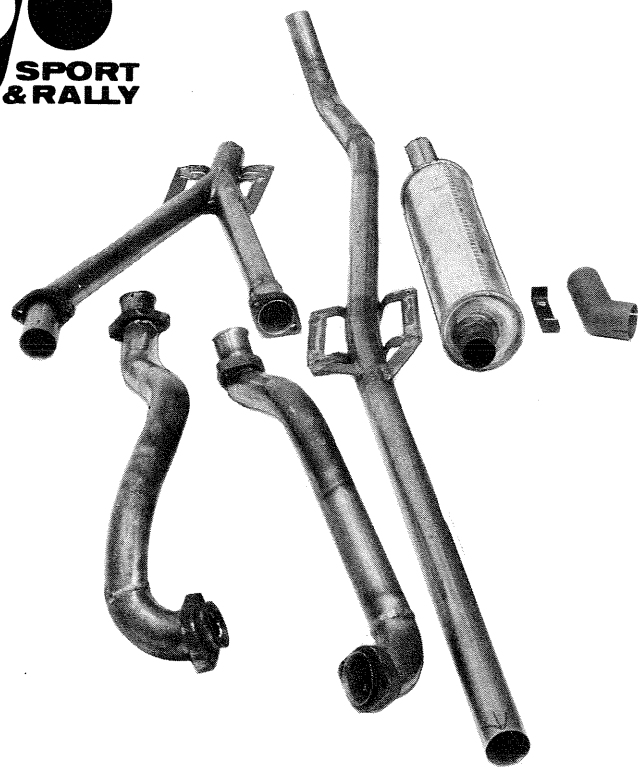
1) Ch 96722013536– (cars without stabilazer and standard B)

2) –ch 96722013535 (cars with stabilazer and spare part to sport system of earlier model)

SAAB SPORT & RALLY

Tävlingsdetaljer
Competition parts

Avgassystem
Exhaust system
2:9 B



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Främre rör, vänster	1		10256	1	Front pipe, left
Främre rör, vänster	1		15578	2	Front pipe, left
Främre rör, vänster	1		15388	3	Front pipe, left
Främre rör, höger	1		10264	1	Front pipe, right
Främre rör, höger	1		15586	2	Front pipe, right
Främre rör, höger	1		15370	3	Front pipe, right
Förgreningsrör	1		10272	1	"Y" section
Förgreningsrör	1		15396	2, 3	"Y" section
Främre ljuddämpare	1		15404	2, 3	Front muffler
Bakre rör	1		10298	1	Rear pipe
Bakre rör	1		15412	2, 3	Rear pipe
Bakre ljuddämpare	1		13136	1	Rear muffler
Bakre ljuddämpare	1		15420	2, 3	Rear muffler
Monteringssats	1		10926	1	Mounting kit
Se sid 2:9 C					See page 2:9 C
Packning	2		11452	2	Gasket
Packning	2		14555	3	Gasket
Fläns	2		14951	2	Flange
Fläns	2		14944	3	Flange
Gummikudde	10		11304	2,3	Rubber cushion
Klamma	3		(40)520108002	2,3	Clamp
Bult	4		11536	2,3	Bolt
Mutter	4		11544	2,3	Nut

1. Reservdelar till avgassystem i tidigare utförande (10918)

2. För topplock med enkla avgasportar

3. För topplock med dubbla avgasportar

1. Spare parts for exhaust system, earlier type (10918)

2. For cylinder heads with single exhaust ports

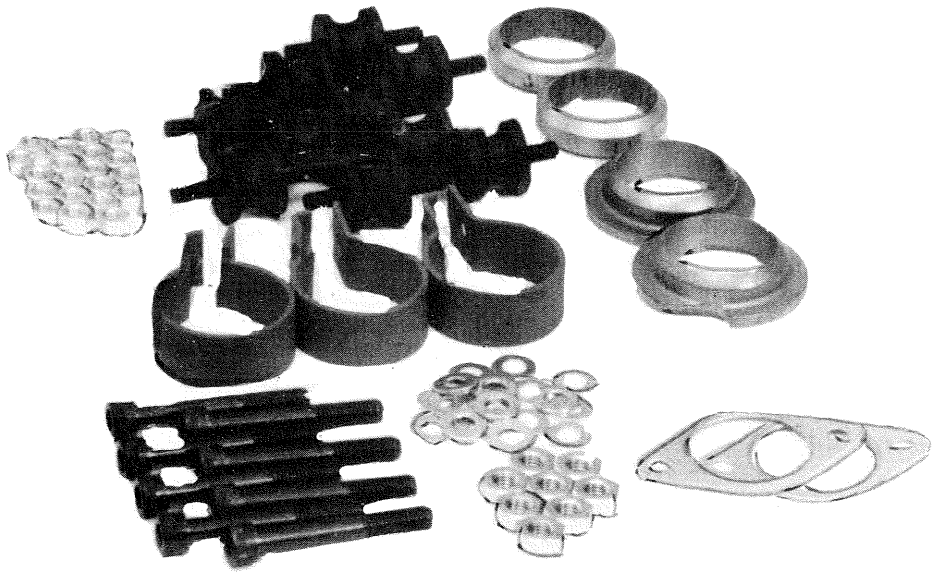
3. For cylinder heads with dual exhaust ports

SAAB SPORT & RALLY

Tävlingsdetaljer
Competition parts

Avgassystem
Exhaust system

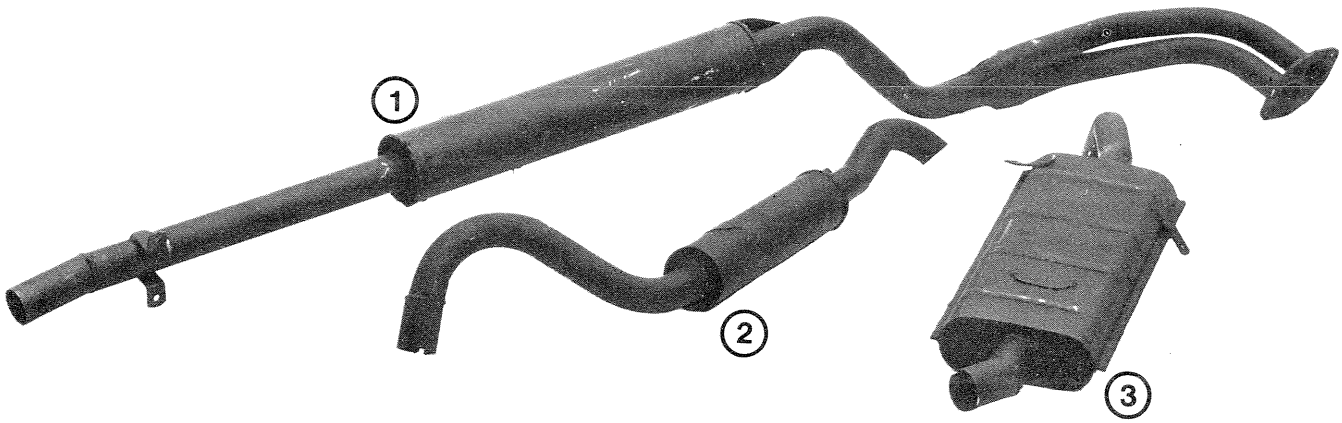
2:9 C

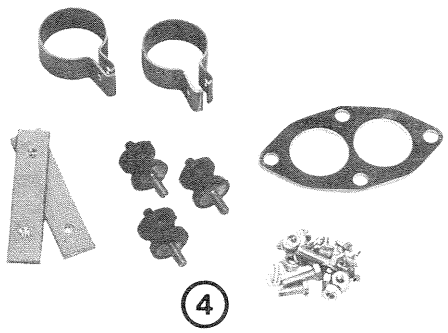


Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Monteringssats	1		10926		Mounting kit
.Tätningsring	2		10280		.Sealring
.Fläns	2		10314		.Flange
.Klamma	3		10637		.Clamp
.Gummikudde	10		11304		.Rubber cushion
.Packning	2		11452		.Gasket
.Bricka	20		11460		.Washer
.Skruv	4		11486	M10x50	.Screw
.Skruv	4		11536	M10x70	.Screw
.Mutter	8		11544	M10	.Nut
.Mutter	20		(10)8810228		.Nut

Tävlingsdetaljer
Competition parts

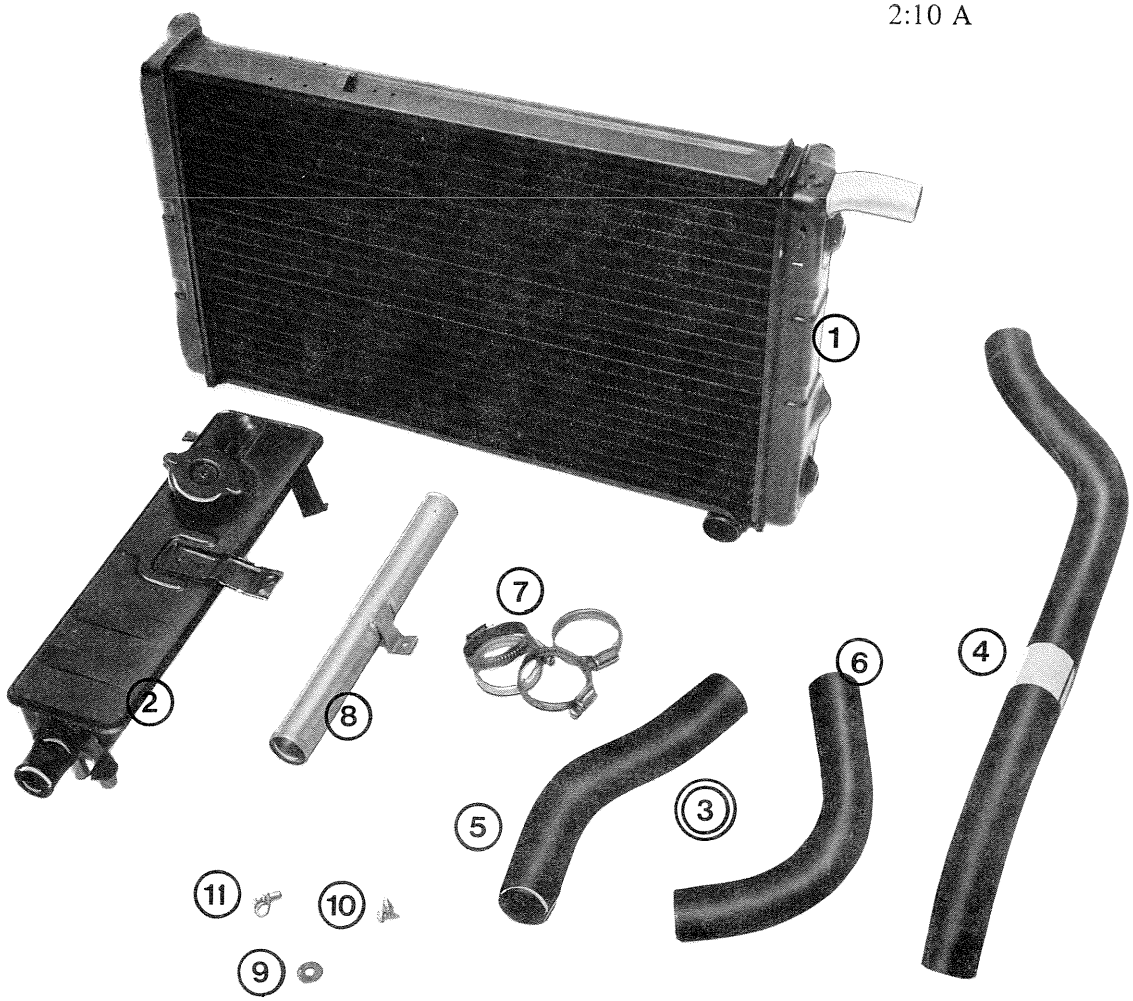
Avgassystem
Exhaust system
2:9 D



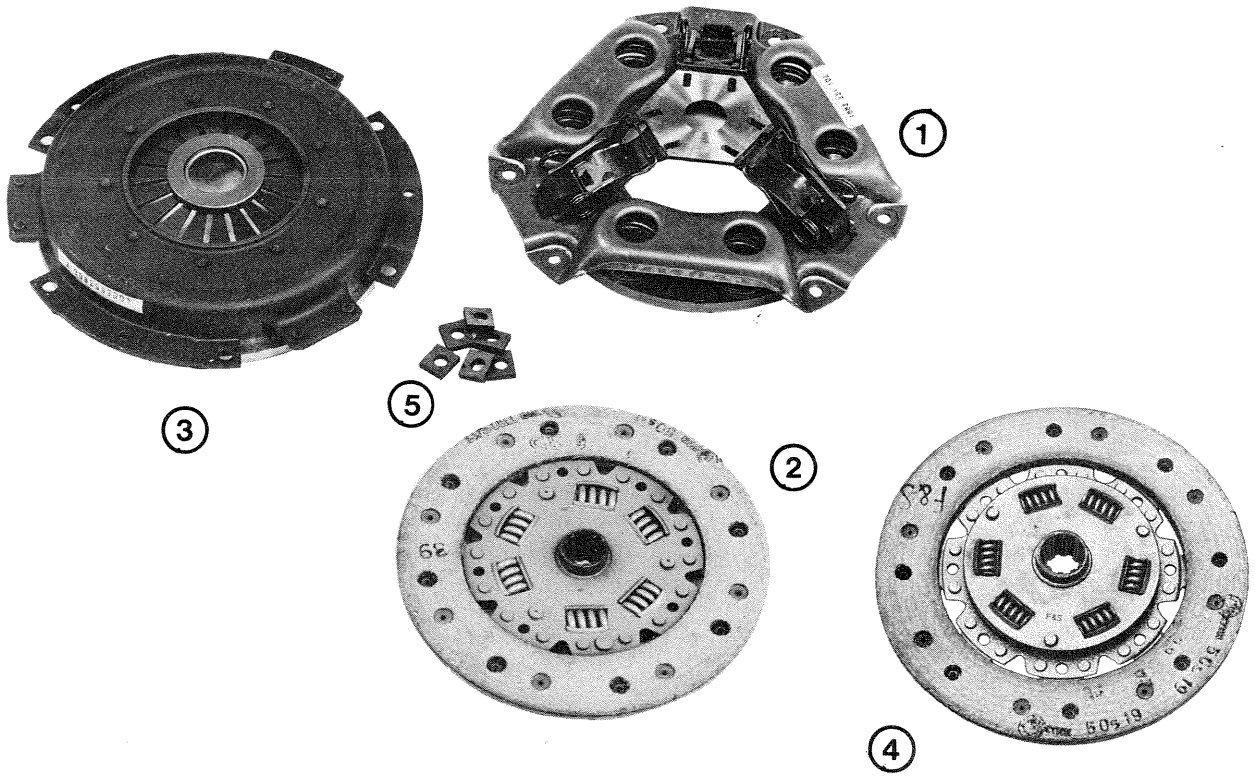


Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Främre ljuddämpare	1	1	15602		Front muffler
Mellanljuddämpare	1	2	15610		Middle muffler
Bakre ljuddämpare	1	3	15628		Rear muffler
Monteringssats	1	4	15636		Mounting kit

Tävlingdetaljer
Competition parts
Kylsystem
Cooling system
2:10 A



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Kylare	1	1	11668		Radiator
Expansionskärl	1	2	11643		Expansion vessel
Slangsats	1	3	11650		Hose kit
.Slang	1	4	(10)8372286		.Hose
.Slang	1	5	(10)8382871		.Hose
.Slang	1	6	(10)8382889		.Hose
.Slangklamma	4	7	(10)7963564		.Hose slamp
.Vattenrör	1	8	12252		.Water tube
.Bricka	2	9	(10)7119845		.Washer
.Skruv	2	10	(10)7922818		.Screw
.Skruv	2	11	(10)8019895		.Screw
.Mutter	2		13649		.Nut



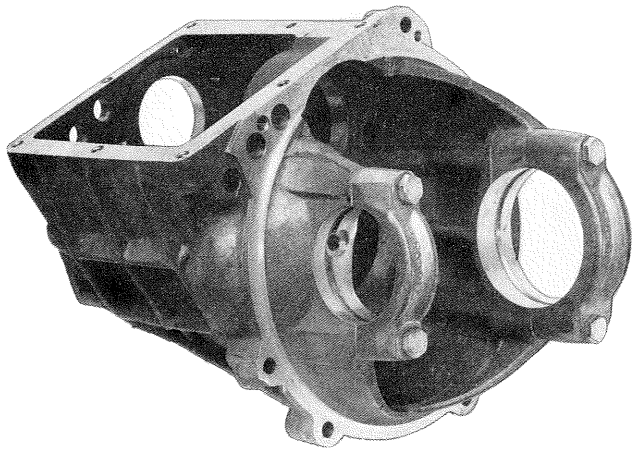
Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Koppling	1	1	10520		Clutch
Lamell	1	2	11312	10520	Clutch disc
Koppling, solfjäder	1	3	13409	1)	Diaphragm spring clutch
Lamell	1	4	13391	13409	Clutch disc
Distansbricka	6	5	13417	2)	Spacer

1) 13656 Svänghjul rekommenderas

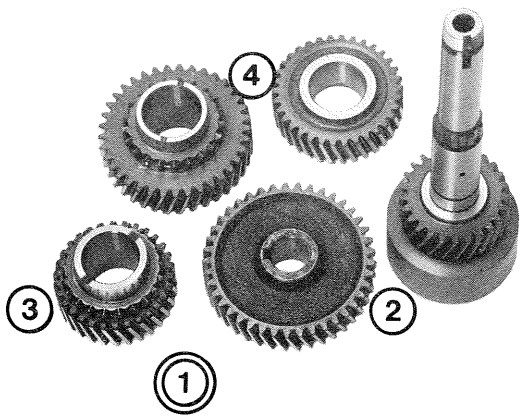
1) 13656 Flywheel assy is recommended

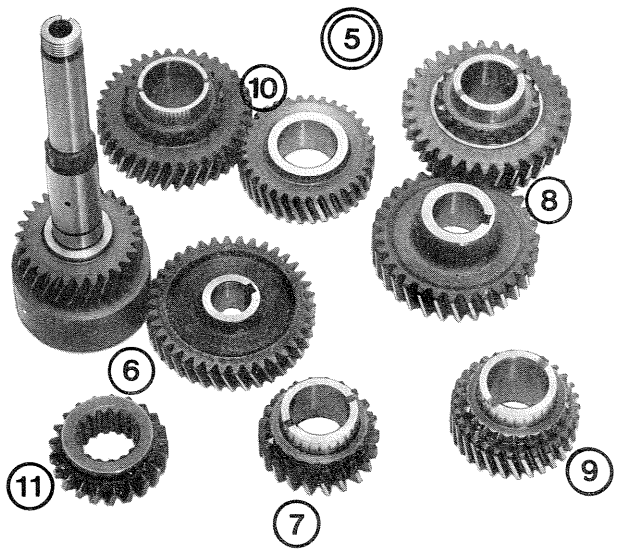
2) Används vid modifierat standardsvänghjul när solfjäderkoppling monteras

2) Should be used when standard flywheel is modified for installation together with diaphragm spring clutch

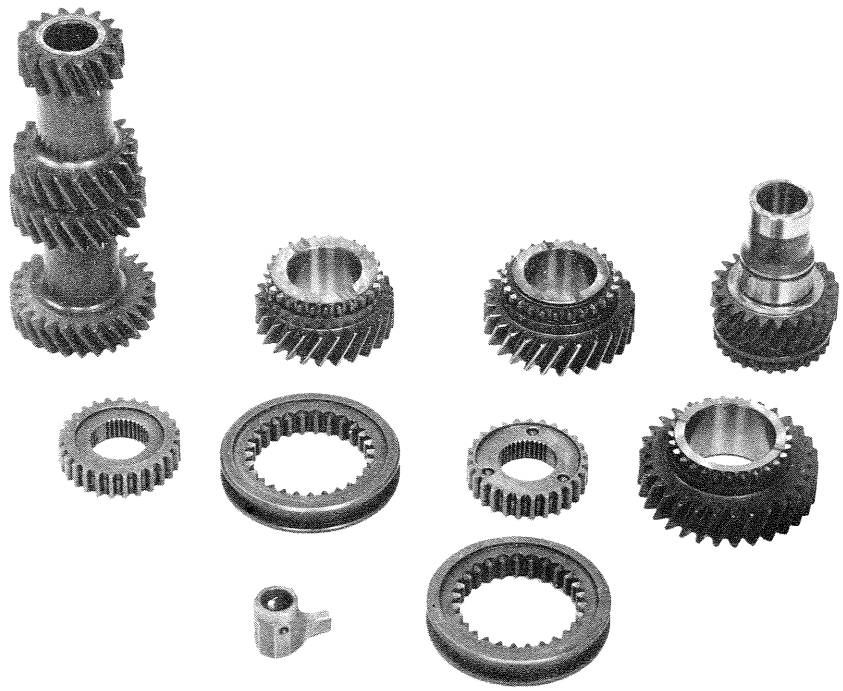


Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Växellådskåpa (gjutjärn)	1	1	10512		Gear box cover (cast iron)





Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Drevsats	1	1	10850	Special 1(Saab 96)	Gear set
.Mellanväxel kpl	1	2	10413		.Intermediate gear assy
.Kuggdrev, 2:an	1	3	10421		.Gear, 2nd
.Drevsats 4:an	1	4	10439		.Gear set, 4th
Drevsats	1	5	10868	Special 2 (Saab 96)	Gear set
.Mellanväxel kpl	1	6	10447		.Intermediate gear assy
.Kuggdrev, 1:an	1	7	10454		.Gear, 1st
.Drevsats, 3:an	1	8	10462		.Gear set, 3rd
.Kuggdrev, 2:an	1	9	10421		.Gear, 2nd
.Drevsats, 4:an	1	10	10439		.Gear set, 4th
.Backdrev	1	11	10470		.Reverse gear



Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Drevsats kpl, osynkr.	1		15354	Saab 99	Gear kit compl. unsynchronized
.Ingående drev	1		14365		.4th gear
.Kugghjul 1:an	1		14373		.1st gear
.Kugghjul 2:an	1		14381		.2nd gear
.Kugghjul 3:an	1		14399		.3rd gear
.Mellandrevsats	1		14407		.Intermediate gear assy
.Kopplingsnav	2		14415		.Gear shift hub
.Kopplingsmuff	2		14423		.Gear shift muff
Växelförarfinger	1		15784	15354	Gear shift driver
Spännstift	1		(10)7956337	15354	Tension pin
Oljekylarsats, till växellåda	1		15917		Oil cooler, gear box

Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Slutväxlar Saab 96					Final gears Saab 96
Slutväxel 6:35	1	1	10488	Daldi	Final gear 6:35
Slutväxel 7:38	1	1	10496	Daldi	Final gear 7:38
Slutväxel 7:38	1	1	(10)7819974	Dana ENV	Final gear 7:38
Slutväxel 7:36 grp 1	1	1	(10)7836299		Final gear 7:36 grp 1

Betr montering av slutväxlar:

I tävlingsväxellådor för Saab V4 ska kronhjulsbultarna låsas med Locktite och låsbleck. Följande detaljer ska därvid användas:

Regarding installation of final gears:

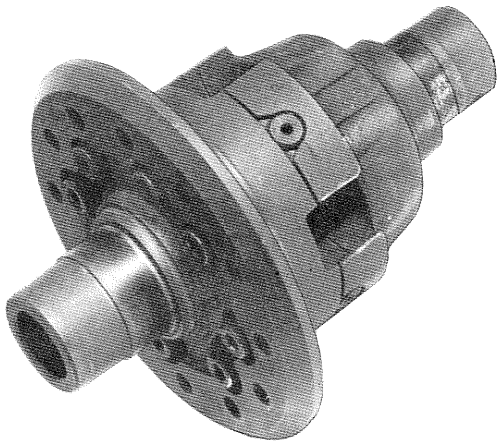
When Saab 96 transmission is modified for competition driving it is necessary that the crown-wheel bolts are locked with Locktite and lock-plates. The following parts should be used:

Bult	10	(10)7900178	Bolt
Bult	2	(10)7125156	Bolt
Låsbleck	6	14084	Lock-plates
Locktite		(10)7860513	Locktite

Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remark	Description
Slutväxel Saab 99					Final gear Saab 99
Slutväxel 6:31	1		15362	Daldi	Final gear 6:31
Distansring, pinjong			15925		Spacer, pinion
Distansring			15537	1)	Spacer

1) Montering av slutväxel 15362 fr o m ch.nr 99732007243 resp 99736002318 utan diff.-broms 15552

1) Mounting of final gear 15362 99732007243– and 99736002318– without differential brake 15552



Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Saab 96					Saab 96
Differentialbroms kpl.	1		10504	Borg–Warner	Differentialbrake assy
Differentialbroms kpl.	1		15875	Lamell, Disc	Differentialbrake assy
Saab 99					Saab 99
Differentialbroms kpl.	1		15552	ZF-lamell, Zf-disc	Differential brake assy
Diff.hus lock	1		15800	15552	Differential case cover
Drivaxel V	1		15891	15552 1)	Drive shaft left
Drivaxel H	1		15909	15552 1)	Drive shaft right

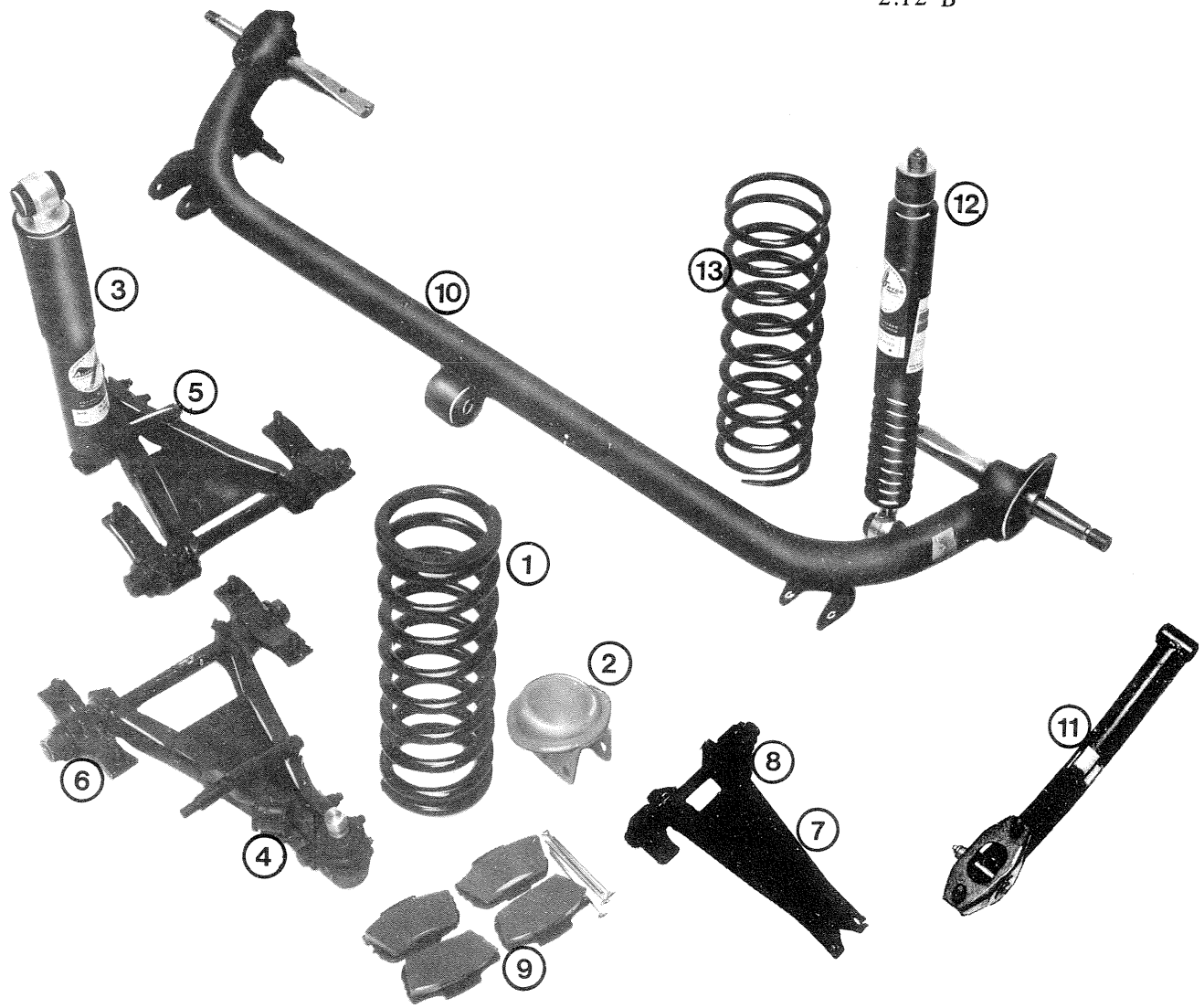
1) Bilar av 1974 års modell och äldre

1) 1974 model and older

Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Hjul	5	1	(10)7412075	Saab V4	Wheel
Hjul, aluminium	5	2	11205	Saab V4	Wheel, aluminium
Hjul, aluminium	5	3	11940	Saab 99	Wheel, aluminium
Emblem	5	4	15511	11205, 11940	Emblem
Clip	5	5	11981	11940	Clip
Skruv	20	6	11213	11205	Screw
Bricka	20	7	11221	11205	Washer
Mutter	16	8	11973	11940	Nut
Balanseringsvikt 15 g		9	12187	11205, 11940	Counter weight 15 g
Balanseringsvikt 30 g			12195	11205, 11940	Counter weight 30 g
Balanseringsvikt 45 g			12203	11205, 11940	Counter weight 45 g
Balanseringsvikt 60 g			12211	11205, 11940	Counter weight 60 g
Rallydubb		10	15776	1000 st/kartong	Rally spike

Tävlingsdetaljer
Competition parts

Fjädring, hjul, bromsar
Suspension, wheels, brakes
2:12 B



Saab V4 Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Fjäder, fram	2	1	10579	Rally special	Spring, front
Fjäderstöd, fram	2	2	10884		Spring support
Stötdämpare, fram	2	3	10595		Shock absorber, front
Svängarm, nedre, vänster	1	4	12120		Swinging arm, lower, left
Svängarm, nedre, höger	1	5	12138		Swinging arm, lower, right
.Bussning	4	6	13433		.Bushing
Svängarm, övre	2	7	14662		Swinging arm, upper
.Bussing	4	8	13425		.Bushing
Bromsklotssats	1	9	10561	Ferodo DS 11	Brake pads
Bromsklotssats	1	9	(10)7868284	Ferodo 2430	Brake pads
Bakaxel	1	10	10611		Rear axle
Länkarm, bakre	2	11	10892		Link arm, rear
Stötdämpare, bakre	2	12	10603		Shock absorber, rear
Fjäder, bakre	2	13	10587	Progressiv	Spring, rear

Saab 99

Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Fjäder, fram	2		14639		Spring, front
Stötdämpare, fram	2		14530		Shock absorber, front
Fjäder, bak	2		14647		Spring, rear
Stötdämpare, bak	2		14548		Shock absorber, rear
Bromsklossats, fram	1		14563	–1974	Brake pads, front
Bromsklossats, bak	1		14571	–1974	Brake pads, rear
Bromsklossats, fram	1		15735	1975	Brake pads, front
Bromsklossats, bak	1		15743	1975	Brake pads, rear
Servotank			15958		Servotank

Innehållsförteckning
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Sektion 3

Art nr: 176362

Saab-Scania AB, Nyköping, Sweden

Juli/July 1975

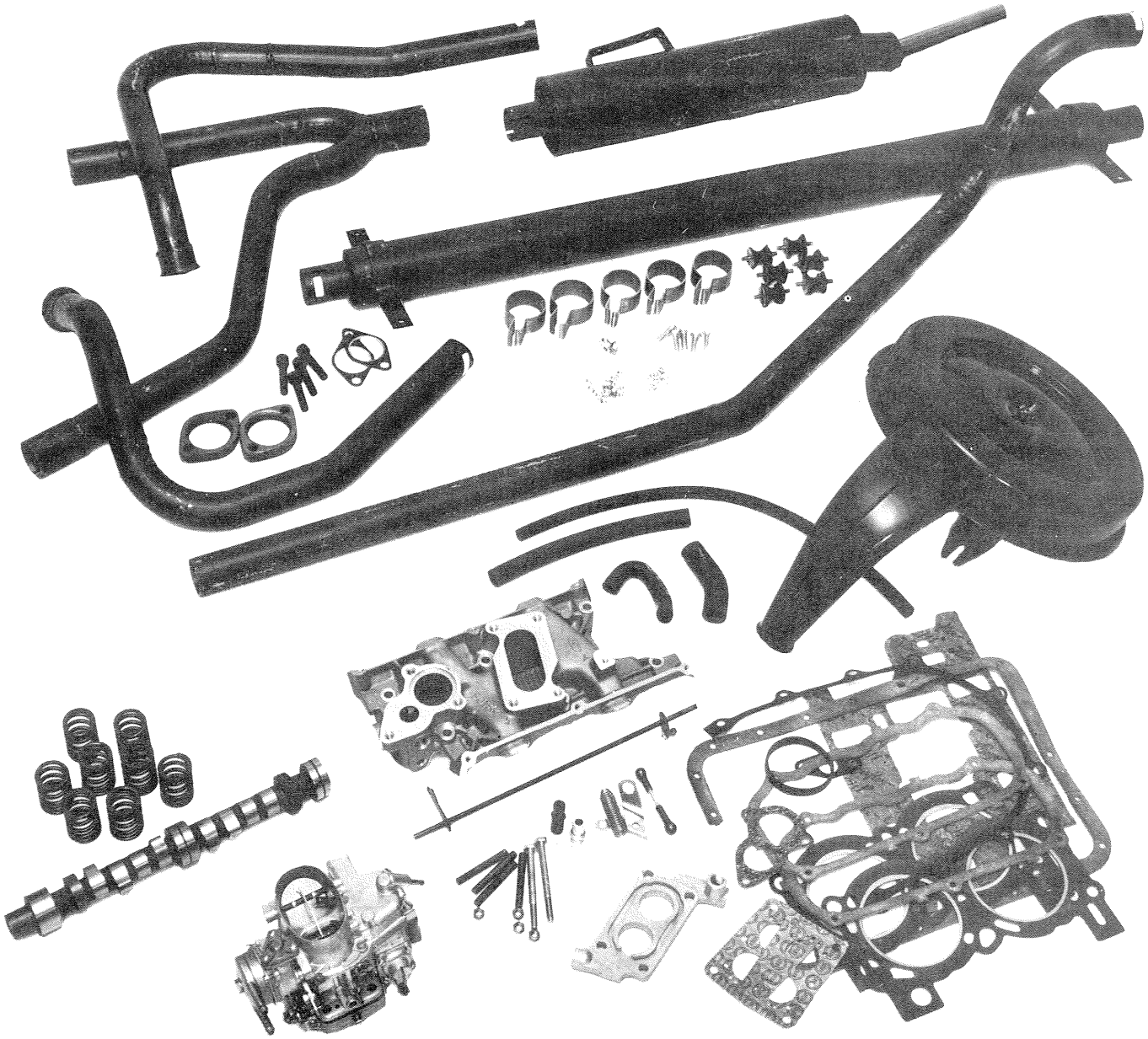
SAAB SPORT & RALLY

11247/1500 TOT ± 80 DIN PK
/1700 TOT ± 90 DIN PK

Sportsatser
Tuning kits

Saab V4

3:1 A



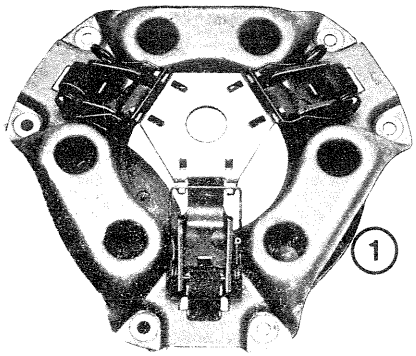
Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Sportsats, 1500 CC	1		11247		Tuning kit, 1500 CC
Sportsats, 1700 CC	1		11247	1	Tuning kit, 1700 CC
Kolv	4		15081	1	Piston
Vevaxel	1		(10)8848269	1	Crank shaft

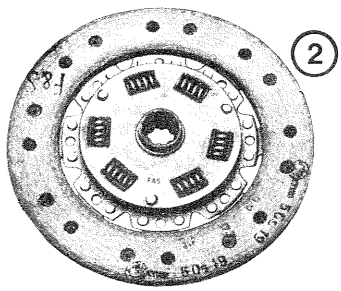
1) 1700 CC satsen består av samma detaljer som 11247 plus kolvar 15081 och vevaxel 8848269

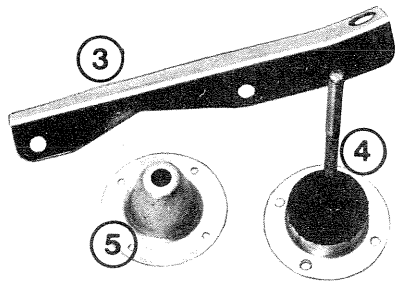
1) The 1700 CC kit consists of the same parts as 11247 plus pistons 15081 and crank shaft 8848269

Sportsatser
Tuning kits

Saab V4
3:1 A1







Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Tryckplatta	1	1	10520		Clutch
Lamell	1	2	11312		Clutch disc
Fäste	1	3	(10)7104698		Bracket
Sidostödskudde	1	4	(10)7332398		Cushion
Fäste	1	5	(10)7176423		Bracket

Vi rekommenderar ovanstående detaljer för sportsats 1700 CC

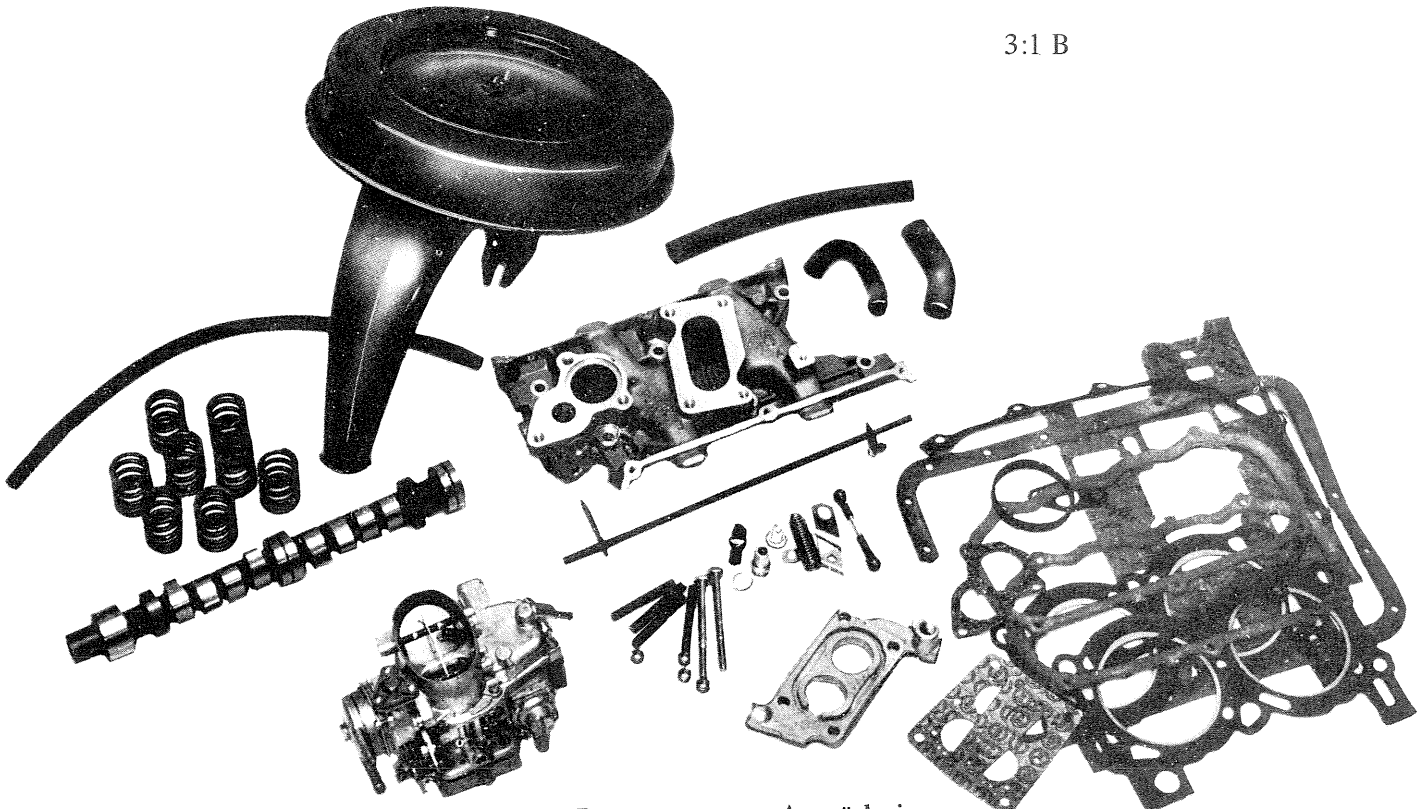
We recommend the above parts when the 1700 CC kit is installed

SAAB SPORT & RALLY

Sportsatser
Tuning kits

Saab V4

3:1 B

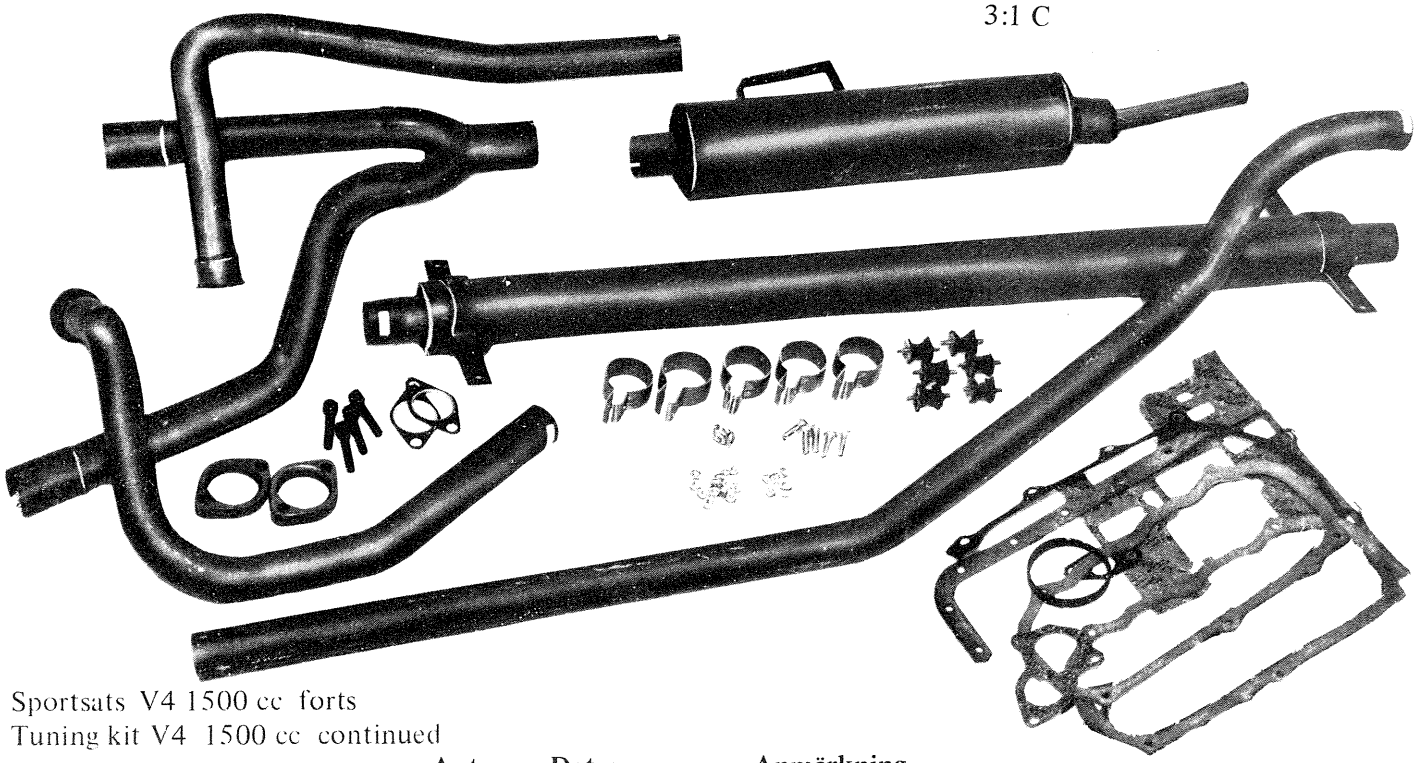


Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Sportsats V4	1		11247	1500 CC	Tuning kit V4
.Förgasare	1		11254	Solex 32TDID	.Carburettor
.Luftfilter	1		11262		.Air cleaner
.Filter insats, för 11262	1		12310		.Insert, for 11262
.Mellanfläns	1		11270		.Intermediate flange
.Packning, för 11270	2		11288		.Gasket, for 11270
.Nippel för vevhusventilation	1		(10)8812141		.Nipple, Crankcase ventilation
.Nippel för servo	1		(10)8807547		.Nipple booster
.Packning för 8807547	1		(10)8814105		.Gasket, for 8807547
.Insugningsrör	1		11320		.Inlet manifold
.Packning för 11320	1		(10)8831034		.Gasket, for 11320
.Konsol, gasreglage	1		(10)8801284		.Bracket, throttle control
.Bussning för 8801284	1		(10)7079247		.Bushing, for 8801284
.Fjäder för 8801284	1		(10)7348121		.Spring, for 8801284
.Reglageaxel	1		11379		.Throttle control shaft
.Saxpinne	1		11387		.Cotter pin
.Tryckstång	1		11395		.Push rod
.Kulskål VG	1		12500		.Ball seat left hand thread
.Mutter VG	1		12518		.Nut left hand thread
.Kulskål HG	1		12256		.Ball seat right hand thread
.Mutter HG	1		12534		.Nut right hand thread
.Bygel	2		12542		.Clamp
.Slang vänster kåpa	1		11411		.Hose left valve cover
.Slang höger kåpa till filter	2		(10)8803488		.Hose right valve cover to air cleaner
.Packning för ventilkåpa	2		(10)8811077		.Gasket valve cover
.Packning V topplock	1		(10)8812752		.Gasket left hand cylinder head
.Packning H topplock	1		(10)8812760		.Gasket right hand cylinder head
.Kamaxel 7,2	1		10074		.Camshaft 7,2
.Ventilfjädrar	8		(10)8803983		.Valve springs

Sportsatser
Tuning kits

Saab V4

3:1 C



Sportsats V4 1500 cc forts
Tuning kit V4 1500 cc continued

Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
.Främre rör V	1		15016	1)	.Front pipe left
.Främre rör V	1		12021	2)	.Front pipe left
.Främre rör H	1		15024	1)	.Front pipe right
.Främre rör H	1		12013	2)	.Front pipe right
.Förgreningsrör	1		15032	1)	."Y"-pipe
.Förgreningsrör	1		12039	2)	."Y"-pipe
.Främre ljuddämpare	1		12047		.Front muffler
.Mellanrör	1		12054		.Exhaust pipe
.Bakre ljuddämpare	1		12062		.Rear muffler
.Fläns	2		10314		.Flange
.Monteringssats	1		12294		.Mounting kit
.Skruv	2		(10)8810616		.Screw
.Pinnbult	4		11494	M8x60	.Stud
.Mutter	1		11502	M8	.Nut
.Planbricka	1		11510		.Washer
.Bromsservoslang	1		11528		.Hose booster brake
.Fästband d:o	1		(10)7348980		.Lock strap
.Slang	1		(10)8807273		.Hose
.Packning transmissions kåpa	1		(10)8810822		.Gasket transmission case
.Packning oljetråg	1		(10)8810715		.Gasket oil pan
.Packning bränslepump	1		(10)8810848		.Gasket fuel pump
.Packning termostathus	1		(10)8811895		.Gasket thermostate case

1) Ch 96722013536– (Bil utan krängningshämmare och Standard B)

2) –Ch 96722013535 (Bilar med krängningshämmare. Även reservdel till sportsats-system i tidigare utförande)

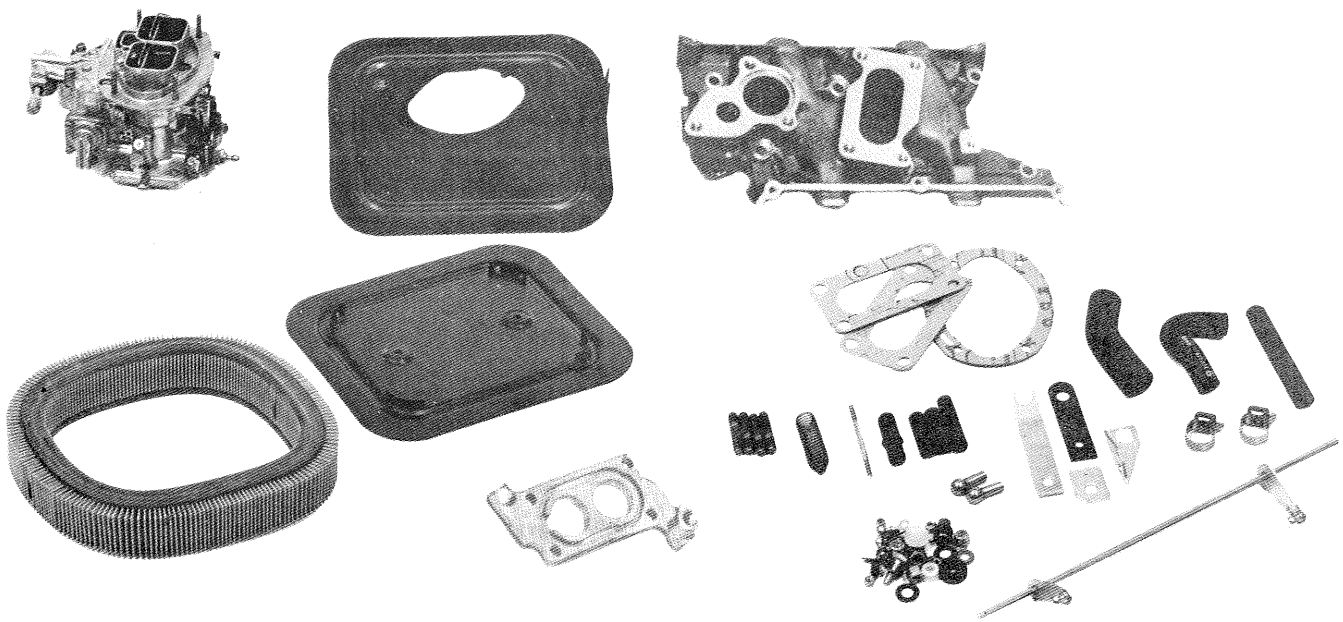
1) Ch 96722013536– (Cars without stabilizer and Standard B)

2) –Ch 96722013535 (Cars with stabilizer. Also spare part for tuning kit, earlier performance

Rallysatser
Rally kits

Saab V4

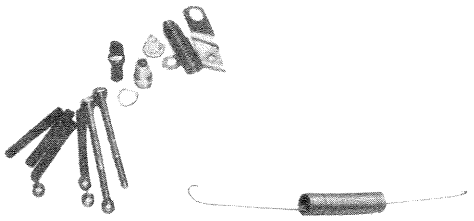
3:1 D

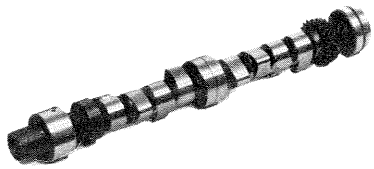


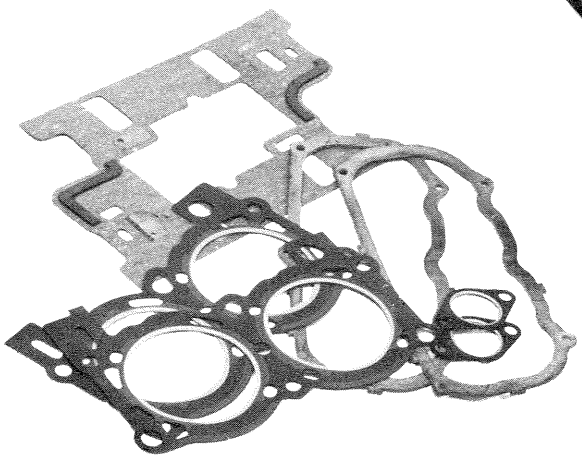
Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Rallysats V4	1		14001	1700 CC	Rally kit V4
.Förgasare	1		13524	Weber 32/36 DFV	.Carburettor
.Filterbotten	1		13961		.Air cleaner bottom
.Filterlock	1		13979		.Air cleaner top
.Filterinsats	1		13714		.Air cleaner insert
.Mutter	4		14233	M5	.Nut
.Bricka	4		(10)8029944		.Washer
.Packning filter–förg	1		13722		.Gasket Air cleaner/Carburettor
.Slang ventilkåpa–filter	1		(10)8803488		.Hose valve cover/Air cleaner
.Distanshylsa	2		13748		.Spacer
.Mutter	2		(10)7940422	1/4" UNC	.Nut
.Insugningsrör	1		11320		.Inlet manifold
.Mellanfläns	1		11437		.Flange
.Nippel	1		(10)8812141		.Nipple
.Nippel	1		(10)8807547		.Nipple
.Bricka	1		(10)8814105		.Washer
.Packning	2		11429		.Gasket
.Pinnskruv	4		(10)8810582		.Stud
.Bricka	4		(10)8810269		.Washer
.Mutter	4		11502		.Nut
.Slang	1		(10)8812331		.Hose
.Slang	1		(10)8833154		.Hose
.Skarvrör	1		13763		.Jointing pipe
.Slang	1		(10)8834863		.Hose
.Reglageaxel	1		13904		.Throttle control shaft
.Tryckstång förgasare	1		13755		.Throttle push rod
.Kulskål HG	1		12526		.Ball seat right hand thread
.Kulskål VG	1		12500		.Ball seat left hand thread
.Låsclips	2		12542		.Locating clip
.Mutter VG	1		12518		.Nut left hand thread
.Mutter HG	1		12534		.Nut right hand thread

Sportsatser
Tuning kits

Saab V4
3:1 D1

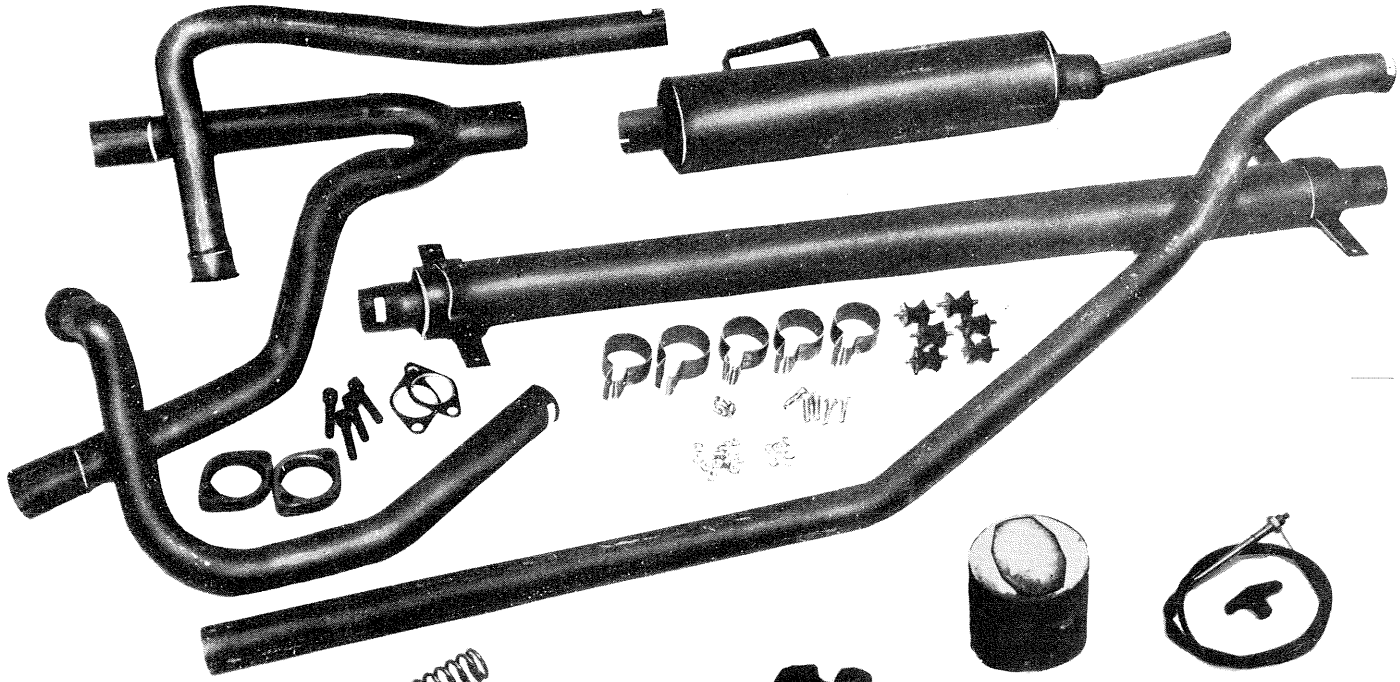


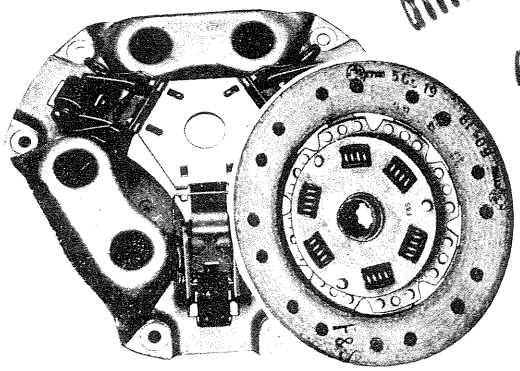


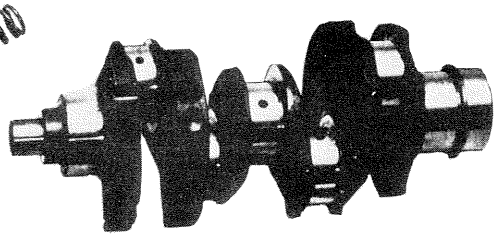


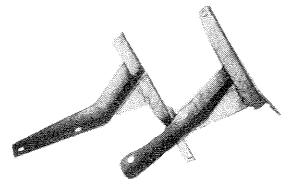
Rallysats V4 1700 cc forts
Rally kit V4 1700 cc continued

Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
.Saxpinne	1		11387		.Cotter pin
.Plastbussning	1		(10)7079247		.Bushing
.Fjäder	1		(10)7348121		.Spring
.Planbricka	1		11510		.Flatwasher
.Konsol	1		11338		.Bracket throttle control
.Returfjäder	1		(10)7352917		.Spring throttle control
.Fäste för returfjäder	1		13888		.Bracket throttle spring
.Fäste för chokereglage	1		13896		.Bracket choke control
.Skruv	1		(10)7934441		.Screw
.Mutter	1		(10)7961964		.Nut
.Bricka	1		(10)8029944		.Washer
.Handtag	1		(10)7175904		.Knobchoke control
.Bussning	1		(10)8800567		.Bushing
.Genomföring	1		(10)7933518		.Grommet
.Kamaxel	1		10074		.Camshaft
.Packningssats	1		(10)8814287		.Packing kit
.Bränsleslang	1		12559		.Fuel line
.Slangklamma	2		(40)517500005 Ø 12 mm		.Hose clamp









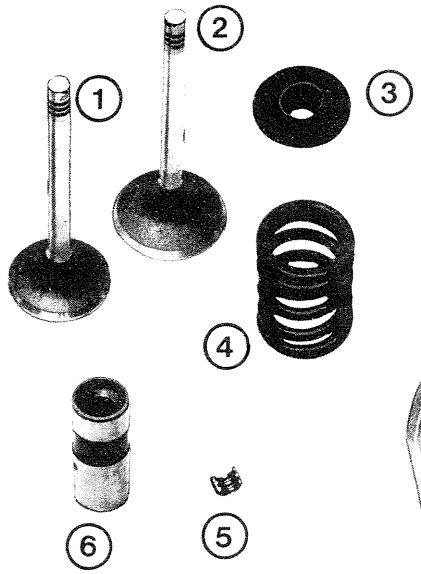
Rallysats V4 1700 cc forts
Rally kit V4 1700 cc continued

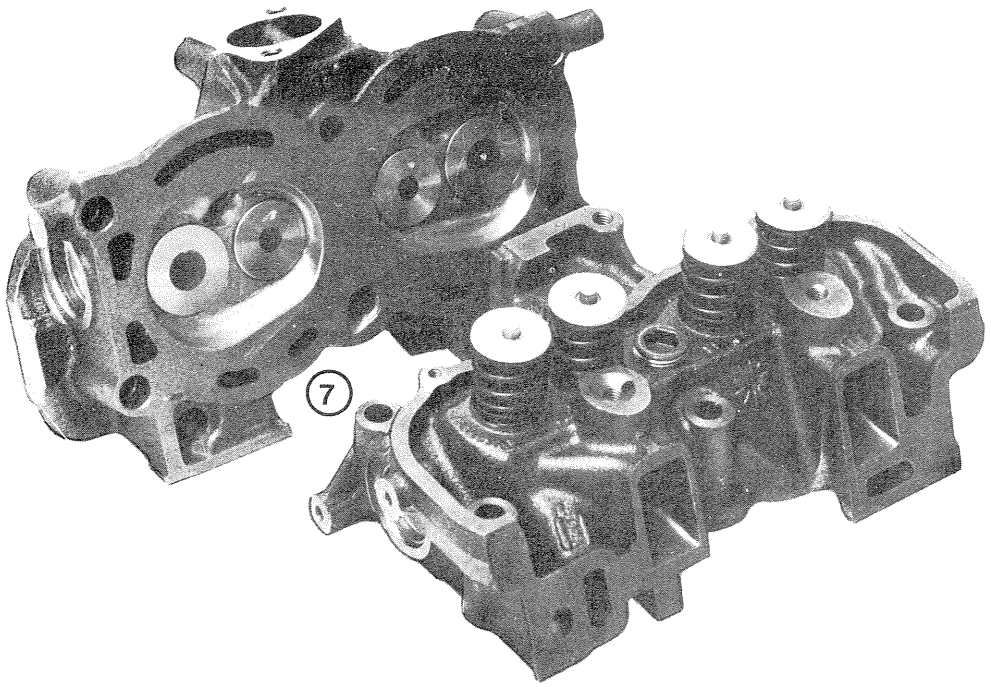
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
.Främre rör H	1		15024		.Exhaust pipe right front
.Främre rör V	1		15016		.Exhaust pipe left front
.Mellanrör	1		15032		."Y"-pipe
.Monteringssats	1		14043		.Mounting kit
.Fläns	2		10314		.Flange
.Mellanrör	1		12054		.Exhaust pipe
.Främre ljuddämpare	1		12047		.Muffler front
.Bakre ljuddämpare	1		12062		.Muffler rear
.Tryckplatta	1		10520		.Clutch
.Lamell	1		11312		.Clutch plate
.Fjäder för oljepump	1		10140		.Spring, oil pump
.Vevaxel	1		(10)8848269	1700 CC	.Crankshaft
.Kolv	4		15081		.Piston
.Chokereglage	1		(10)8502544		.Choke control
.Motorfästesats	1		10181		.Engine support kit
Lägg till:					Add:
Ventiler alt 1			Se sid 3:1 E		Valves alternative 1
Topplockssats alt 2			See page 3:1 E		Cylinder head kit, alternative 2

Sportsatser
Tuning kits

Saab V4

3:1 E





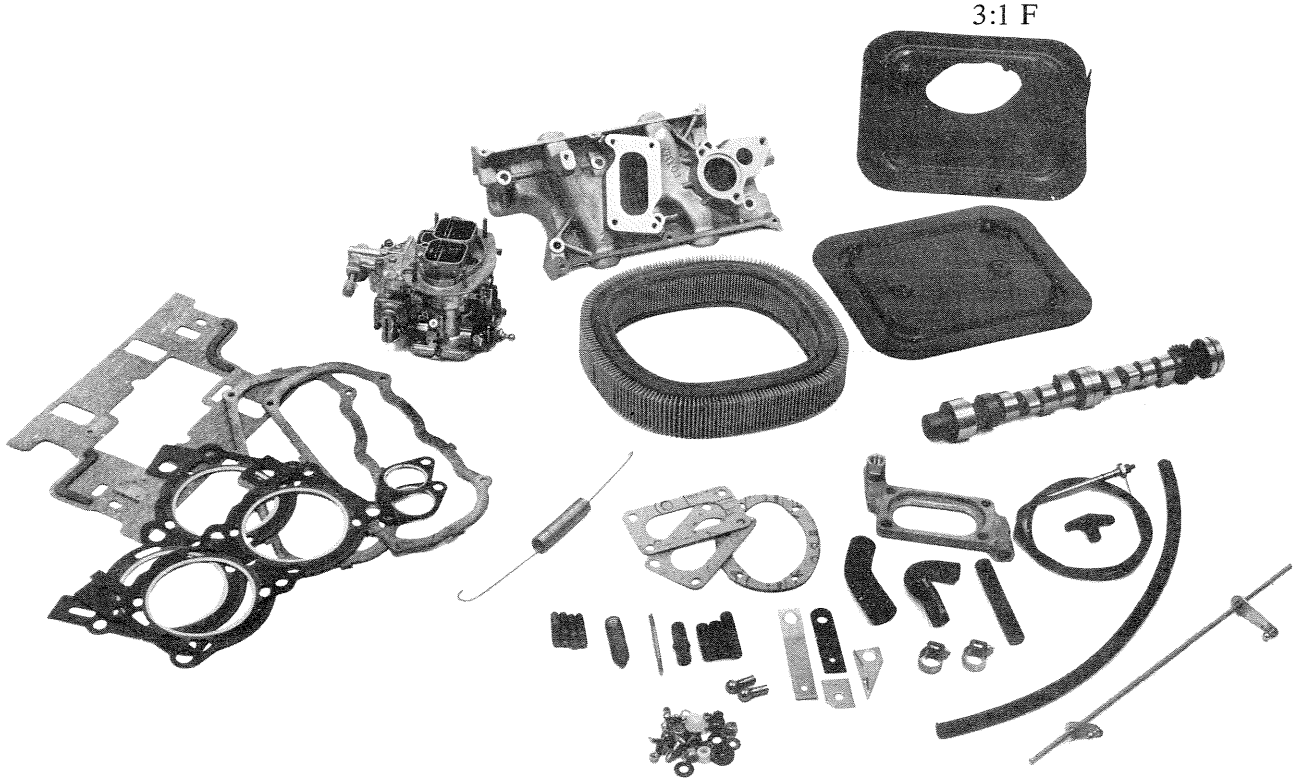
Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
Alt 1					Alternative 1
Ventil insug	4	1	10090		Inlet valve
Ventil avgas	4	2	10108		Exhaust valve
Ventilfjäderbricka	8	3	10876		Valve spring washer
Ventilfjäder	8	4	10116		Valve spring
Knaster	16	5	(10)8833956		Valve lock
Ventillyftare	8	6	10132		Valve lifter
Alt 2					Alternative 2
Topplockssats	1	7	13995		Cylinder head kit

SAAB SPORT & RALLY

Sportsatser
Tuning kits

Saab Sonett

3:1 F



Benämning	Ant Qty	Pos	Art nr Part no	Anmärkning Remark	Description
Saab Sonettsats	1		13953	Steg 1 Stage 1	Tuning kit Saab Sonett III
.Förgasare	1		13524	Weber 32/36 DFV	.Carburettor
.Filterbotten	1		13961		.Air Cleaner bottom
.Filterlock	1		13979		.Air Cleaner top
.Filterinsats	1		13714		.Air Cleaner insert
.Mutter	4		14233	M5	.Nut
.Bricka	4		(10)8029944		.Washer
.Packning filter–förg	1		13722		.Gasket Air Cleaner/Carburettor
.Slang ventilkåpa–filter	1		(10)8803488		.Hose Valve Cover/Air Cleaner
.Distanshylsa	2		13748		.Spacer
.Mutter	2		(10)7940422	1/4" UNC	.Nut
.Insugningsrör	1		13987		.Inlet Manifold
.Mellanfläns	1		13730		.Flange
.Packning	2		11429		.Gasket
.Nippel	1		(10)8812141		.Nipple
.Plugg	1		(10)8810566		.Plug
.Pinnbult	4		13912		.Stud
.Bricka	4		(10)8810269		.Washer
.Mutter	4		11502		.Nut
.Slang	1		(10)8812331		.Hose
.Slang	1		(10)8833154		.Hose
.Skarvrör	1		13763		.Jointing Pipe
.Reglageaxel	1		13854		.Throttle Control Shaft
.Tryckstång förgasare	1		13755		.Throttle Push Rod
.Kulskål HG	1		12526		.Ball seat right hand thread
.Kula	2		12260		.Ball
.Kulskål VG	1		12500		.Ball seat left hand thread
.Låsclips	2		12542		.Locating clip
.Mutter VG	1		12518		.Nut left hand thread
.Mutter HG	1		12534		.Nut right hand thread
.Saxpinne	1		11387		.Cotter Pin

Saab-Scania AB, Nyköping, Sweden

Juli/July 1975

SAAB SPORT & RALLY

Sportsatser
Tuning kits

Saab Sonett
3:1 F1

Saab Sonettsats steg 1 forts
Saab Sonettsats stage 1 continued

Benämning	Ant Qty	Pos	Det.nr Part no	Anmärkning Remark	Description
.Plastbussning	1		(10)7079247		.Bushing
.Fjäder	1		(10)7348121		.Spring
.Planbricka	1		11510		.Flat washer
.Konsol	1		11338		.Bracket Throttle Control
.Returfjäder	1		(10)7352917		.Spring Throttle Control
.Fäste för returfjäder	1		13888		.Bracket Throttle Control
.Fäste för chokereglage	1		13862		.Bracket Choke Control
.Bult	1		(10)7903016	1/4" UNC	.Bolt
.Mutter	1		(10)7940422	1/4" UNC	.Nut
.Bricka	1		(10)8029969		.Washer
.Chokereglage	1		(10)8502544		.Choke Control
.Handtag	1		(10)7175904		.Knob Choke Control
.Konsol	1		13870		.Bracket
.Bricka	2		(10)7119845		.Washer
.Bussning	1		(10)8800567		.Bushing
.Genomföring	1		(10)7933518		.Grommet
.Kamaxel	1		10074		.Camshaft
.Packningssats	1		(10)8814227		.Packing kit
.Bränsleslang	1		12559	480 mm	.Fuel line
.Slangklamma	2		(40)517500005	Ø12 mm	.Hose clamp
Saab Sonettsats			13953	Steg II, Stage II	Tuning kit Saab Sonett III
.Kolv	4		15081		.Piston

Innehållsförteckning
Table of contents
Sektion 4

Artikelnr 176370

Saab-Scania AB, Nyköping, Sweden

September 1975

Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Oljekylare, motor, kpl			12302	Saab V4	Oil cooler, engine, assy
Slang			12799	1023★	Hose
Fäste, oljekylare			15818	12302	Bracket, oil coler
Reservdelar för oljekylare 12302 se sid 4:1B					Spare parts for oil cooler 12302 see page 4:1B

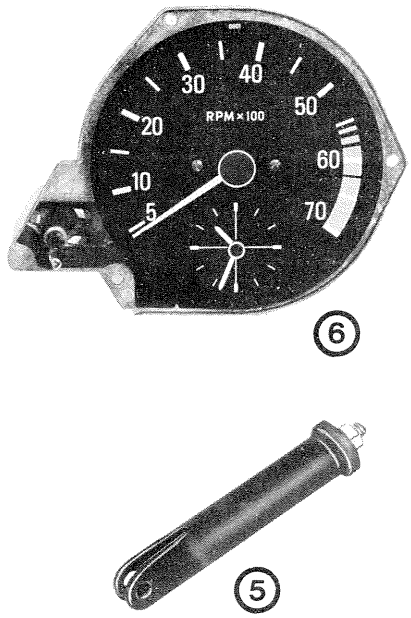
★Tidigare utförande

★Earlier design

Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Kylare			14431		Cooler
Adapter, kpl			14440		Adapter, assy
Förlängningsbult			14456		Extension bolt
O-ring			14464		Oil-seal
Termostat			14472		Thermostat
Slang			14480	1/2"	Hose
Slangklamma			14498		Hose clamp

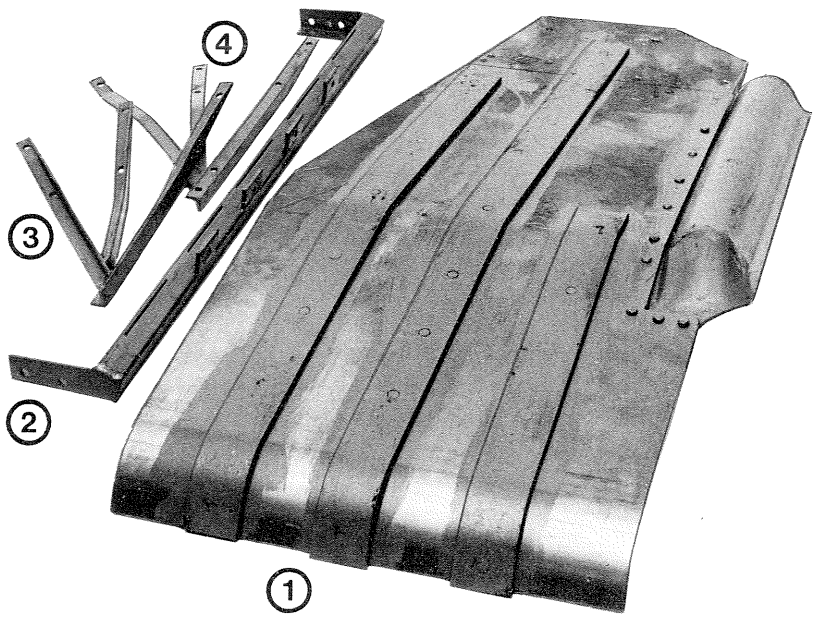
Kompl kylare
se sid 4:1A

Cooler assy
see page 4:1A

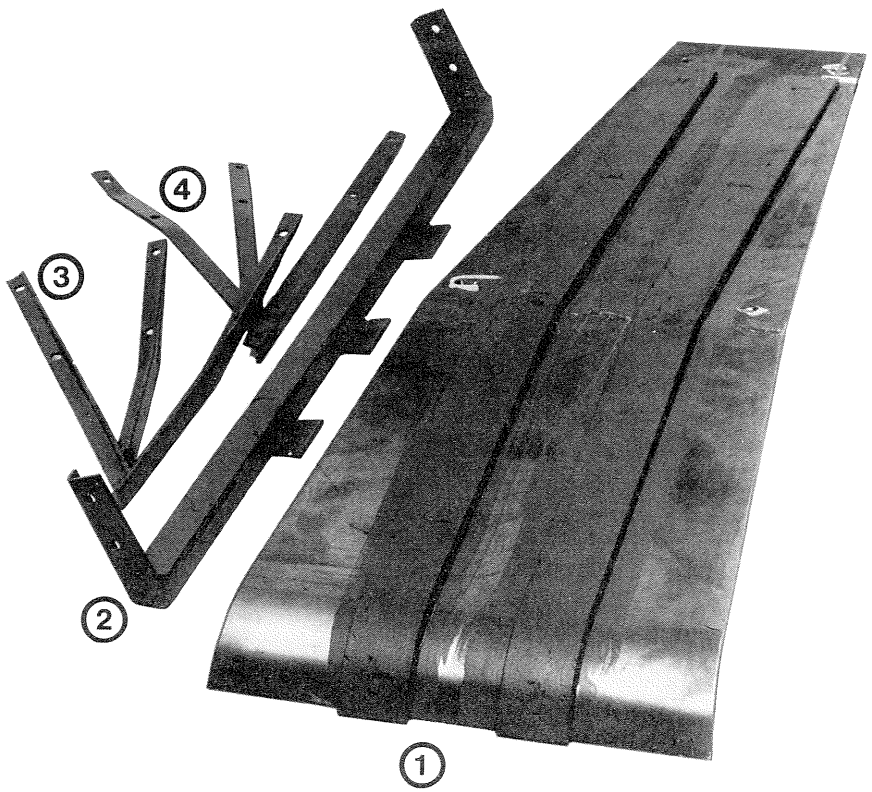


Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Varvräknare, kompl		1	14324	Saab V4	Revolution counter, assy
. Varvräknare		2	14340		. Revolution counter
. Hus med ledningshärva		3	14845		. Case with main system
. Hållarring		4	14514		. Socket ring (coil)
. Fäste		5	12161	–1975	. Bracket
Varvräknare		6	(10)8510281	Saab 99	Revolution counter

Skyddsplåtar
Protection plates
4:3 A



Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Skyddsplåt		1	13219	Saab V4	Protection plate
Fästjärn, främre		2	10660	Grp 1 o Std B	Bracket, front
Sidostag, höger		3	10686		Sidebracket, right
Sidostag, vänster		4	10645		Sidebracket, left

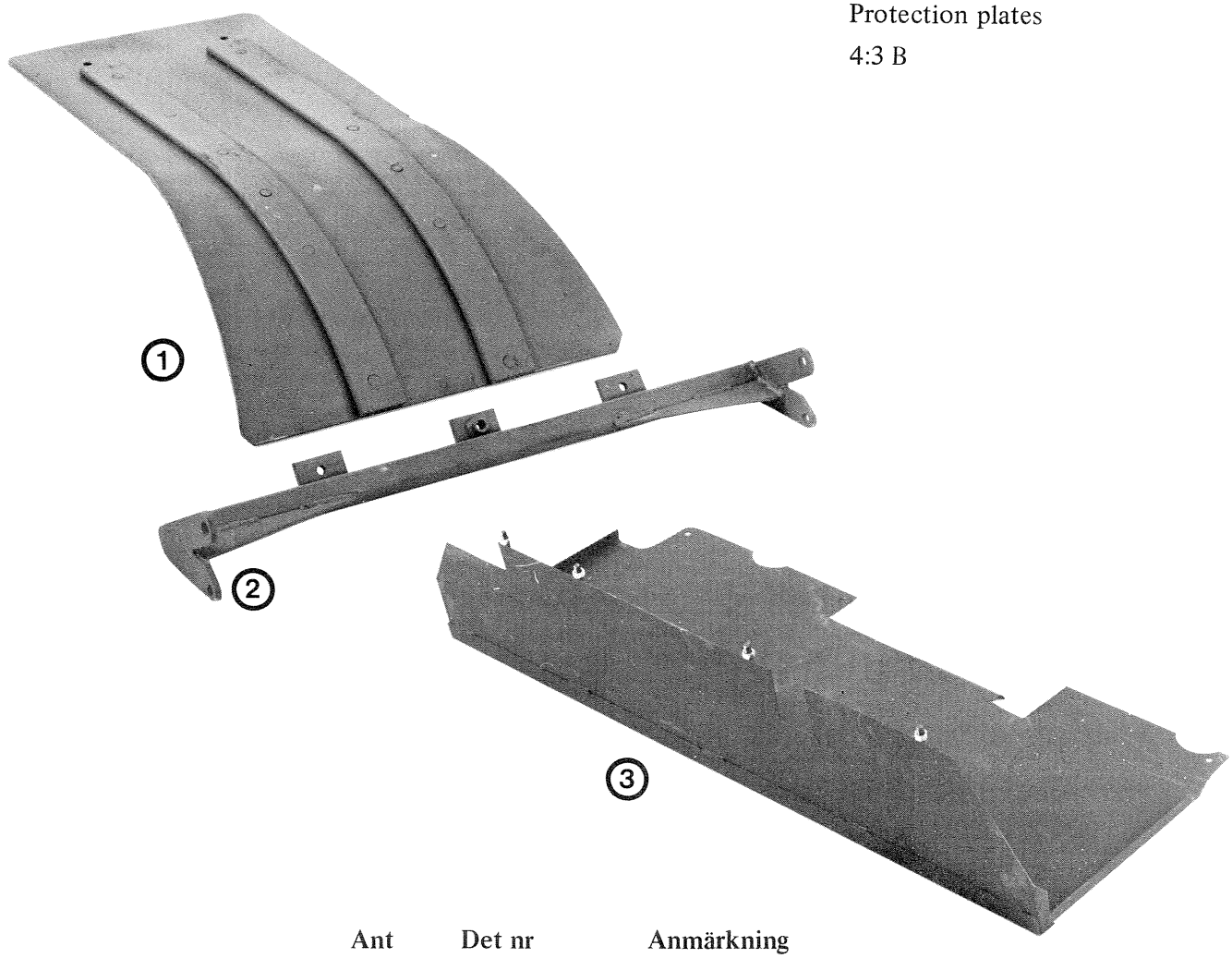


Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Skyddsplåt		1	13227	V4 Grp 2	Protection plate
Fästjärn, främre		2	10678		Bracket, front
Sidostag, höger		3	10686		Sidebracket, right
Sidostag, vänster		4	10645		Sidebracket, left

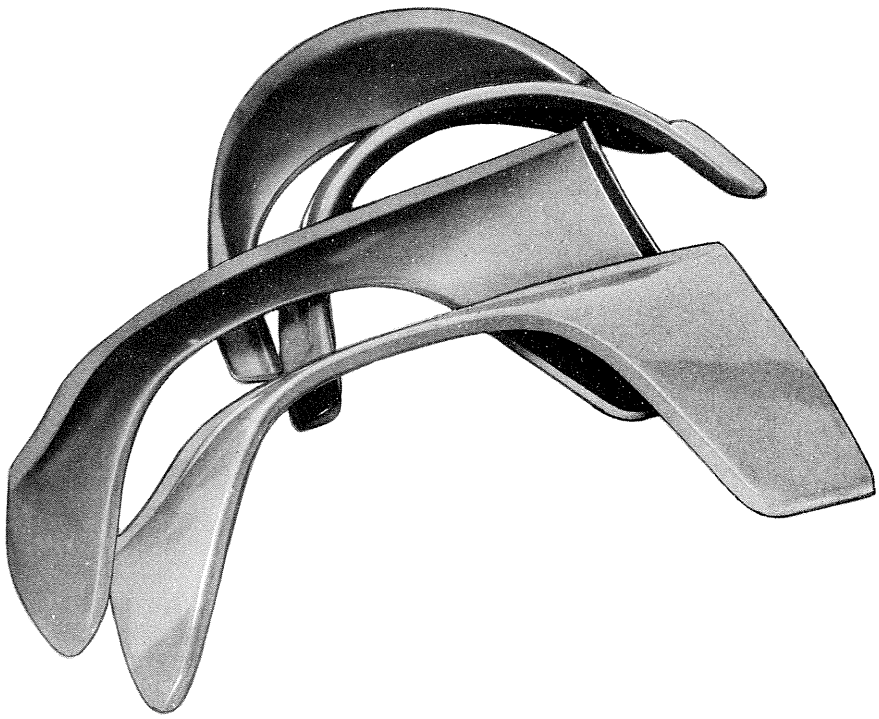
Tillbehör
Accessories

Skyddsplåtar
Protection plates

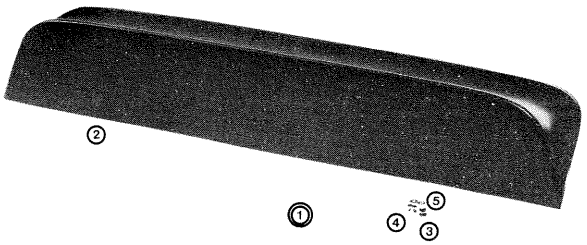
4:3 B

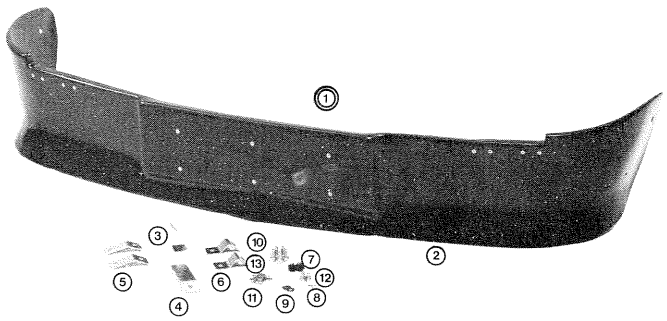


Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Skyddsplåt, motor		1	15040	Saab 99	Protection plate, engine
Fästjärn		2	14985	Saab 99 –1973	Bracket
Fästjärn		2	14993	Saab 99 1974–	Bracket
Skyddsplåt, bränsletank		3	15297	Saab 99 –1974	Protection plate, fuel tank
Skyddsplåt, bränsletank		3	15792	Saab 99 1975–	Protection plate, fuel tank



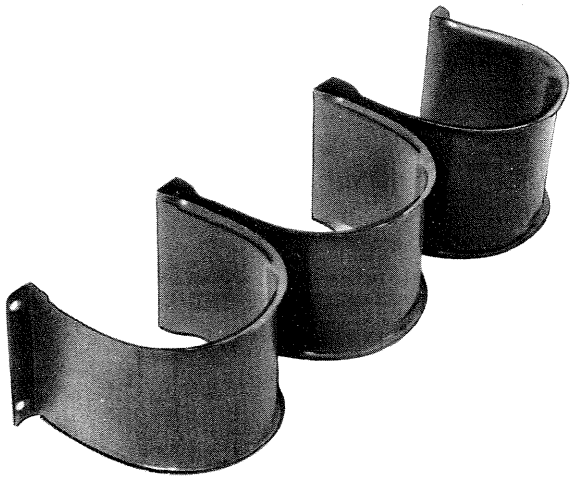
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Skärmbreddningssats	1	1	10702		Wing extensions



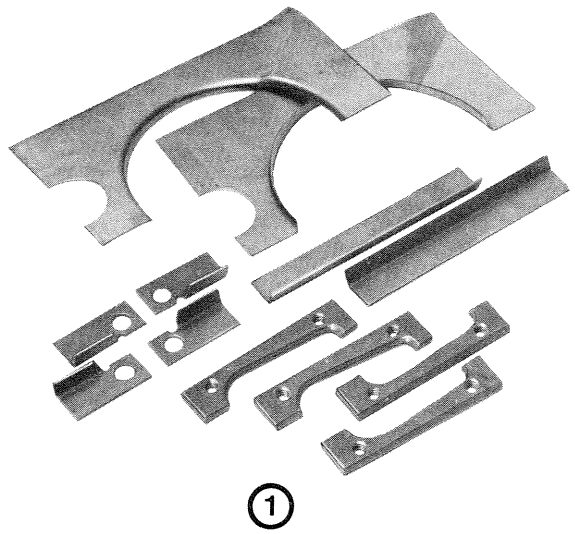


Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Spoiler, kompl sats, fram	1	1	16444	Saab 99	Spoiler, compl set, front
. Spoiler, fram	1	2	15859		. Spoiler, front
. Mittstag, övre	1	3	16287		. Side bracket, upper
. Mittstag, nedre	1	4	16295		. Side bracket, lower
. Stag	2	5	16311		. Bracket
. Sidostag	2	6	16337		. Sidebracket
. Bult	2	7	16345		. Bolt
. Mutter	2	8	(10)7914708		. Nut
. Bricka	2	9	(10)8029985		. Washer
. Skruv	5	10	(10)8082935		. Screw
. Mutter	5	11	(10)8074106		. Nut
. Skruv	4	12	(10)8019887		. Screw
. Mutter	2	13	(10)8029555		. Nut
Spoiler, kompl sats, bak	1	1	16451	Saab Combi Coupé	Spoiler, compl set, rear
. Spoiler, bakre	1	2	15867		Spoiler, rear
. Clip	2	3	16477		Clips
. Skruv	2	4	16485		Screw
. Bricka	2	5	(10)7916497		Washer

Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Störtbåge		1	10694	V4	Roll bar
Störtbåge		2	15214	99	Roll bar
Klädsel		3	10900	V4, 99	Cover



Benämning	Det nr Part no	Anmärkning Remarks	Description
Oljeburkshållare	10777		Oil tin holder



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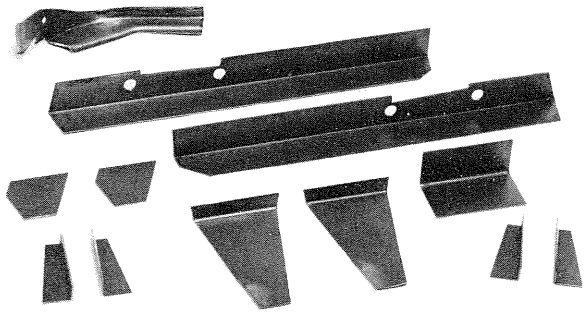
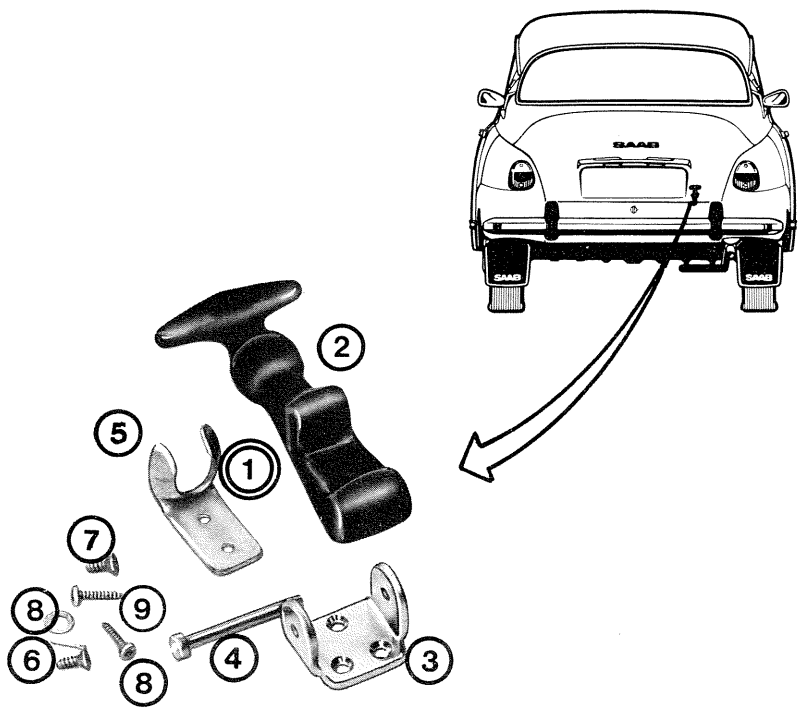
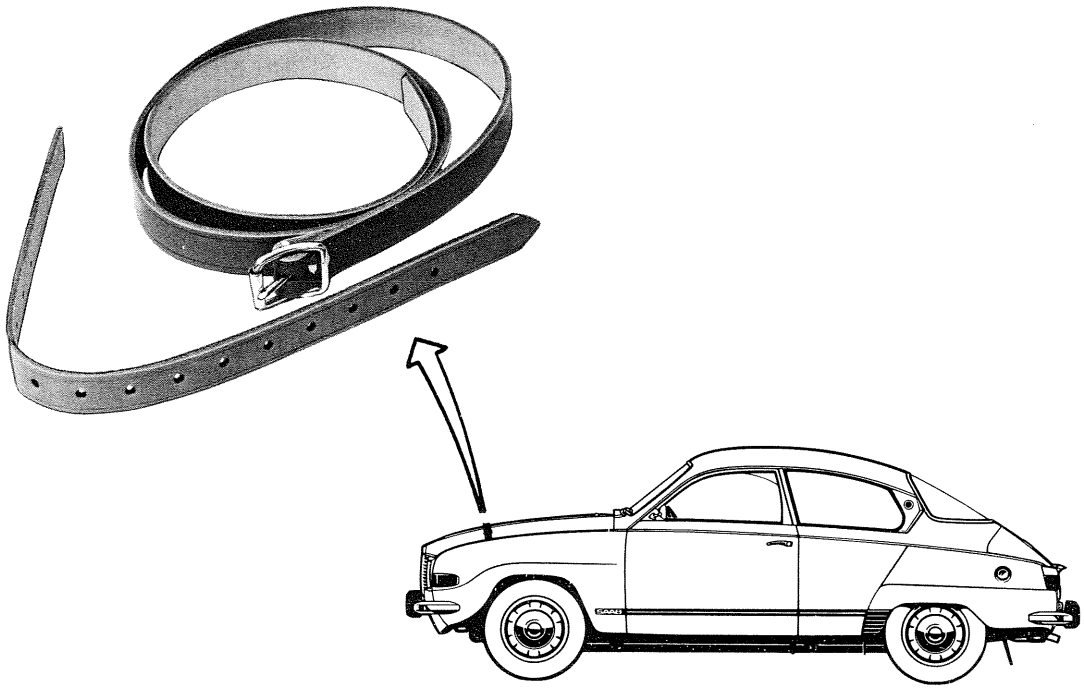


②

Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Modifieringssats		1	11833	V4	Modification set
Modifieringssats		2	14621	99	Modification set



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Stropp	1	1	11817		Strap
.Gummi	1	2	(10)7404312		.Rubber
.Fäste	1	3	(10)7404320		.Bracket
.Fäste	1	4	(10)7404338		.Bracket
.Hake	1	5	(10)7404346		.Clutch
.Saxpinne	1	6	(10)7904337		.Cotter pin
.Skruv	2	7	(10)7921794		.Screw
.Bricka	1	8	(10)8029974		.Washer
.Skruv	2	9	(10)7922222		.Screw



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Huvrem			11809		Hood belt

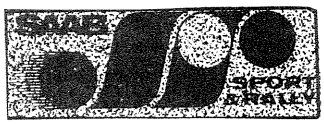
① SAAB V4

② SAAB 99

③

④

⑤



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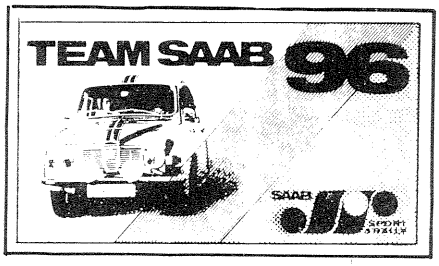

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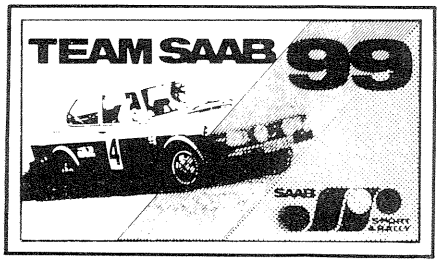
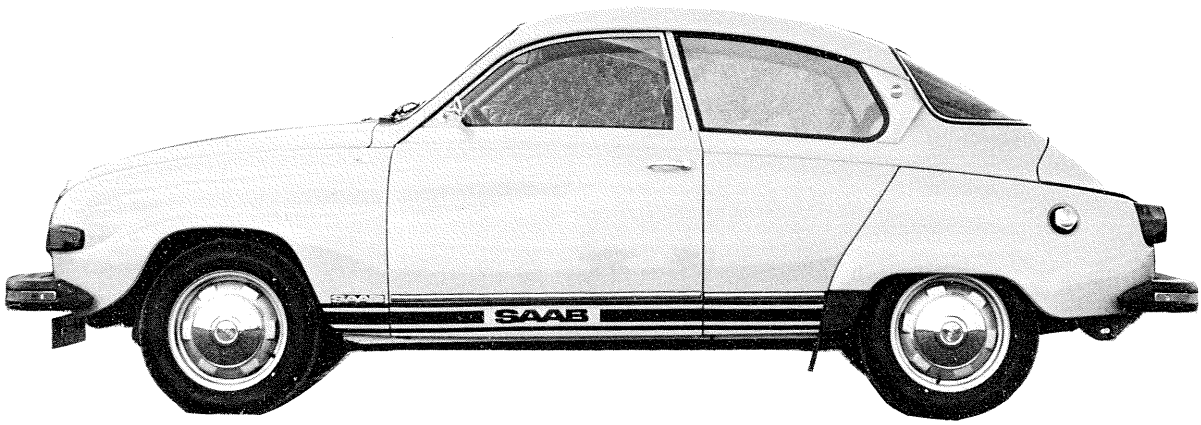


Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Dekal, vit	1		12229	V4	Decal, white
Dekal, svart	1		12781	V4	Decal, black
Dekal, vit	2		15768	99	Decal, white
Dekal, svart	2		15750	99	Decal, black
Dekal, vit–transparent	3		11866	140x410 mm	Decal, white–transparent
Dekal, svart–transparent	3		15487	140x410 mm	Decal, black–transparent
Dekal, vit–transparent	4		11882	180x530 mm	Decal, white–transparent
Dekal, svart–transparent	4		15495	180x530 mm	Decal, black–transparent
Dekal, silver–svart	5		13490		Decal, silver–black
Dekal	6		16030	"Team Saab 96"	Decal
Dekal	7		16022	"Team Saab 99"	Decal

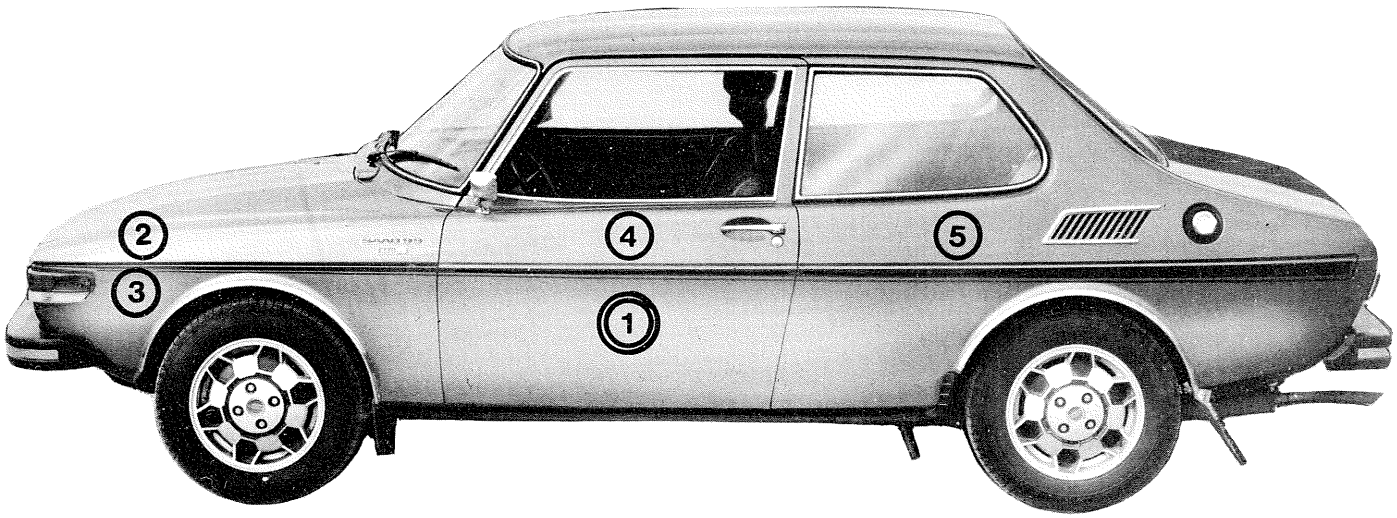
Tillbehör
Accessories

Karosseritillbehör
Body accessories

4:4 F1



Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Rally stripes, svart			14266	V4	Rally stripes, black
Rally stripes, vit			14274	V4	Rally stripes, white



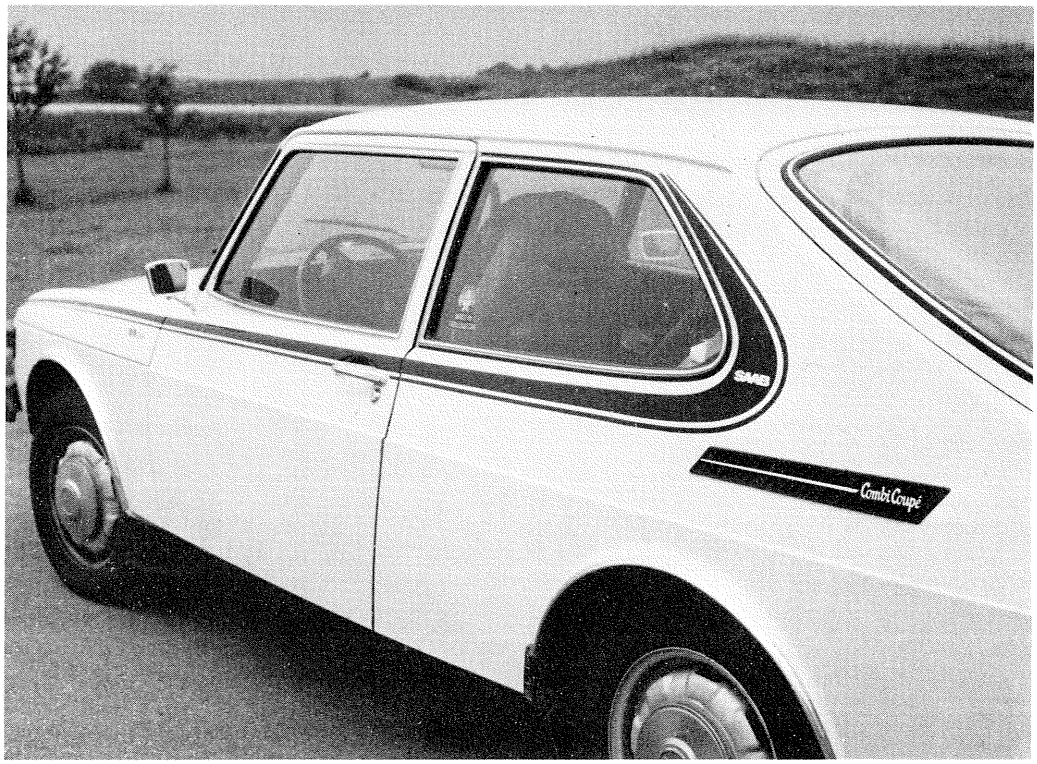
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Dekortape	1	1	11965	Saab 99	Stripes
.Dekortape, vänster	1	2	13771		.Stripe, left
.Dekortape, höger	1	2	13789		.Stripe, right
.Dekortape, vänster	1	3	13797		.Stripe, left
.Dekortape, höger	1	3	13805		.Stripe, right
.Dekortape, vänster	1	4	13813		.Stripe, left
.Dekortape, höger	1	4	13821		.Stripe, right
.Dekortape, vänster	1	5	13839		.Stripe, left
.Dekortape, höger	1	5	13847		.Stripe, right

SAAB 99 SPORT & RALLY

Tillbehör
Accessories

Karosseritillbehör
Body accessories

4:4 F3



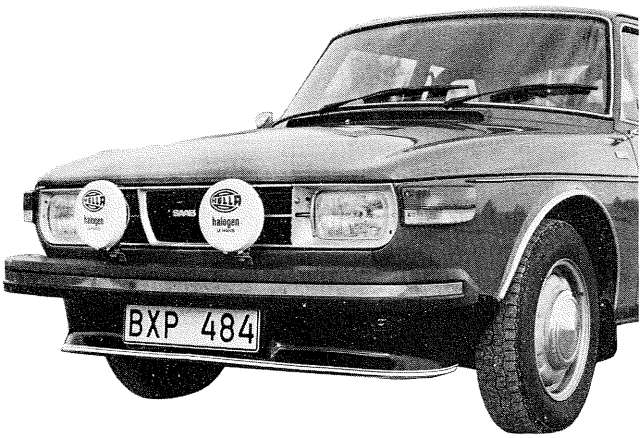
Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Dekortape, svart			15149	Saab Combi Coupé	Stripe, black
Dekortape, guld			15156	Saab Combi Coupé	Stripe, gold
Dekortape, vit			15164	Saab Combi Coupé	Stripe, white
Dekortape, svart			15321	Saab 99 2-d	Stripe, black
Dekortape, silver			15347	Saab 99 2-d	Stripe, silver
Dekortape, guld			16618	Saab 99 2-d	Stripe, gold
Dekortape, vit			16626	Saab 99 2-d	Stripe, white

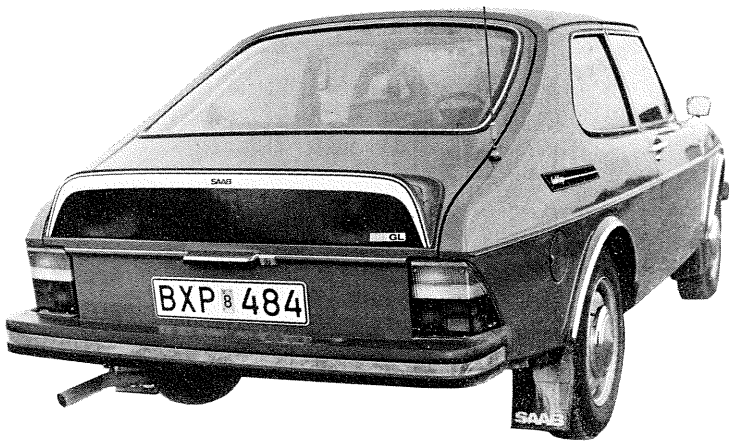
SAAB SPORT & RALLY

Tillbehör
Accessories

Karosseritillbehör
Body accessories

4:4 F4





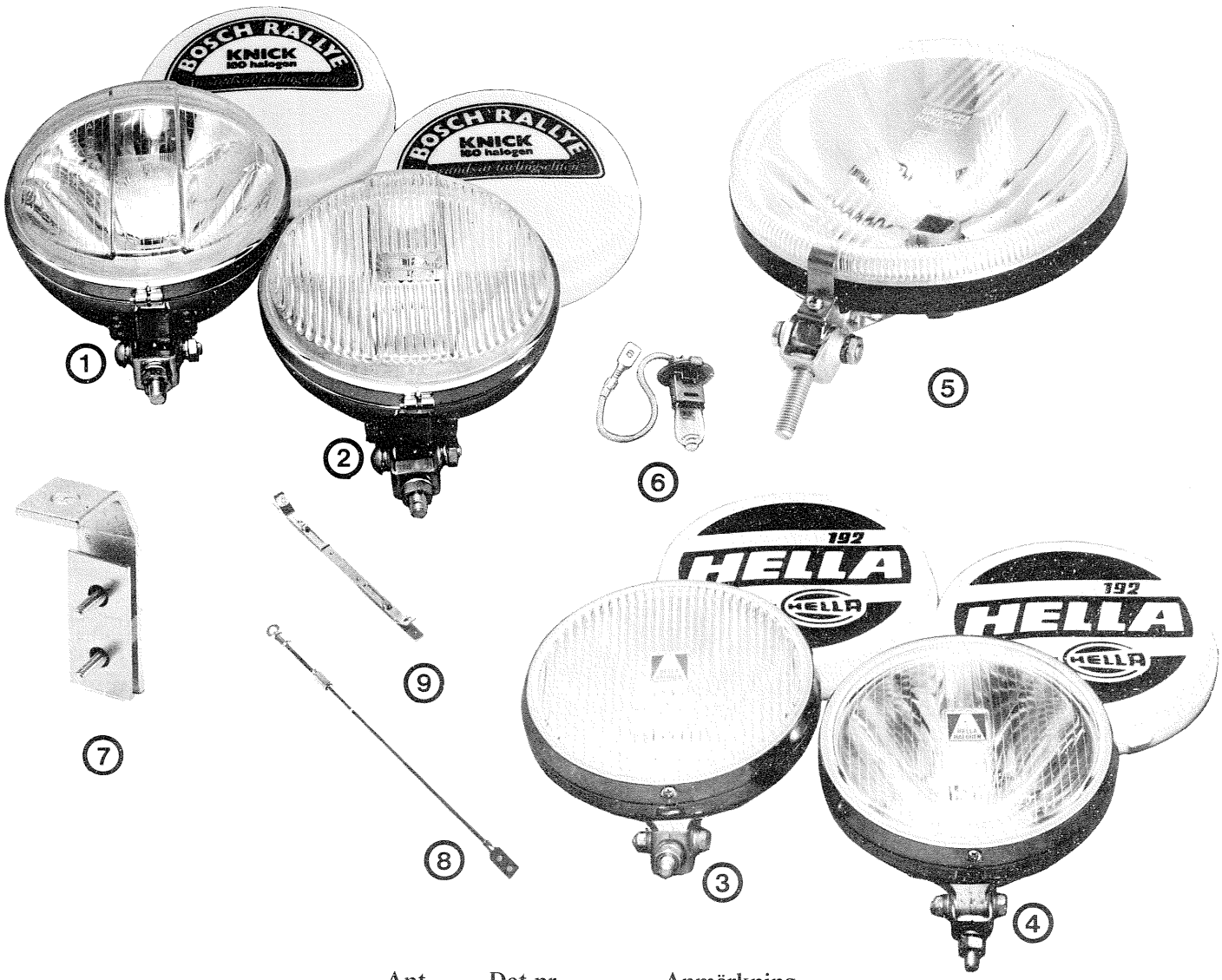
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Dekortape, svart		1	16378		Stripe, black
Dekortape, guld			16386	Spoiler, främre	Stripe, gold
Dekortape, vit			16394	Spoiler, front	Stripe, white
Dekortape, silver			16402		Stripe, silver
Dekortape, svart		2	16410	Spoiler, bakre	Stripe, black
Dekortape, guld			16428	Spoiler, rear	Stripe, gold
Dekortape, vit			16436		Stripe, white

Stolar
Seats
4:5 A

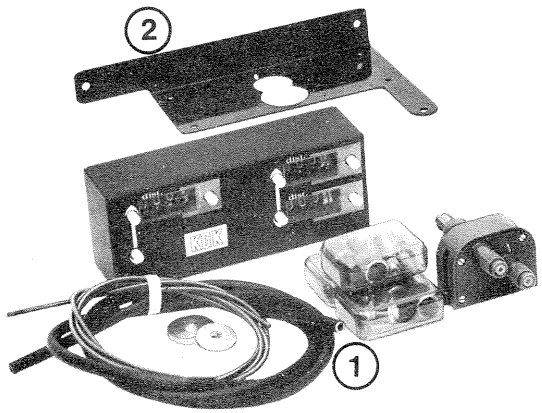
Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Förarstol	1	1	10710	Saab 96, Saab 99	Driver's seat
Förarstol	1		14506	Saab 96, Saab 99	Driver's seat
Kartläsarstol	1	2	14779	Saab 96, Saab 99	Co-driver's seat
Nackstöd	2	3	11551	10710, 10728,* 14506	Head-rest
Nackstöd	2		15560	14779	Head-rest
Stolunderrede, V, H	2	4	10736	Saab 96	Seat frame, left, right
Stolunderrede V	1		14654	Saab 99	Seat frame, left
Stolunderrede H	1		15545	Saab 99	Seat frame, right

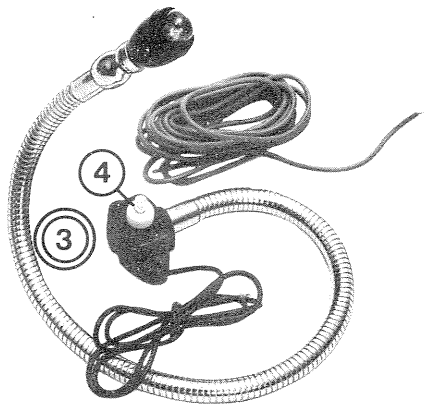
* Tidigare utförande
Earlier design

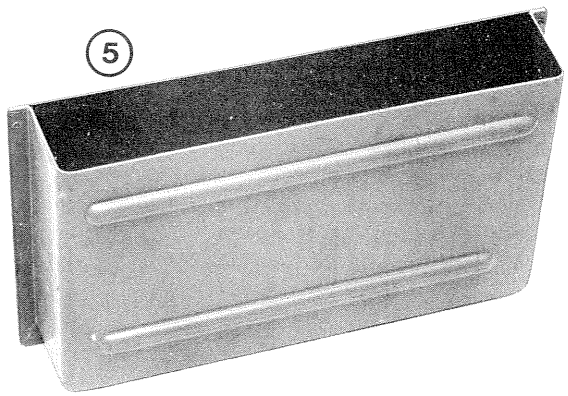
Strålkastare
Extra lights
4:6 A



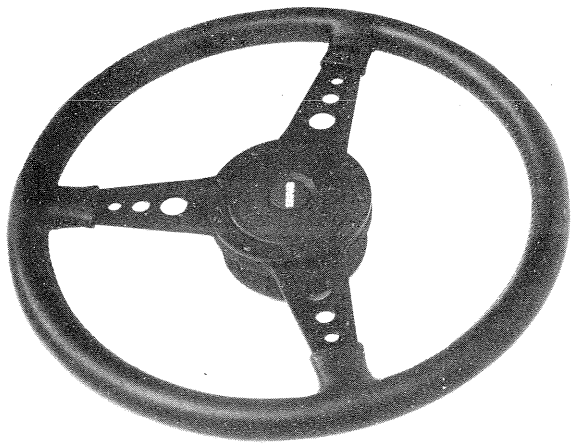
Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Fjärrstrålkastare		1	10827	Bosch 180	Long distance light
Kurv- och dimstrålkastare		2	10819	Bosch 180	Foglight
Kurv- och dimstrålkastare		3	12419	Hella 192	Fog light
Fjärrstrålkastare		4	12427	Hella 192	Long distance light
Rally, fjärrstrålkastare		5	15883	Bosch 190	Rallye long distance light
Halogenlampa		6	10843	100 W	Halogen bulb
Hållare		7	10751	Saab V4	Bracket
Hållare			15503	Saab 99V4 B1975-	Bracket
Extraljusstag		8	(40)207625005	Bosch	Fog- and spotlight rod
Extraljusstag		9	(40)207626003	Hella	Fog- and spotlight rod







Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Trippmätare	1	1	10793		Tripmaster
Fäste	1	2	10801		Bracket
Kartläsningslampa	1	3	11197		Map light
.Kontakt	1	4	11296		.Switch
Kartfack	1	5	10785		Map box



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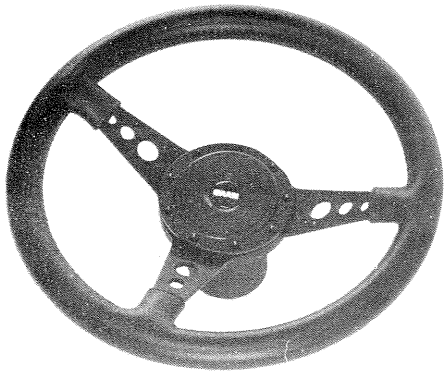

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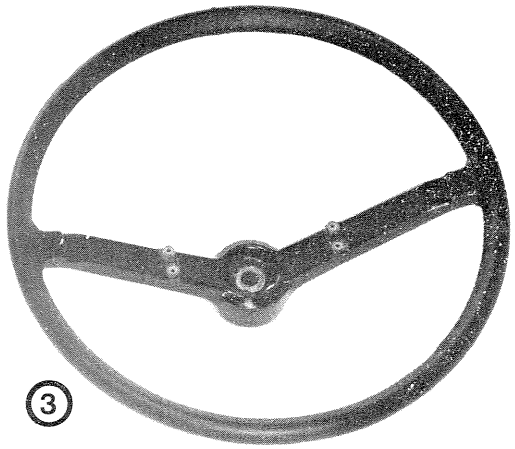
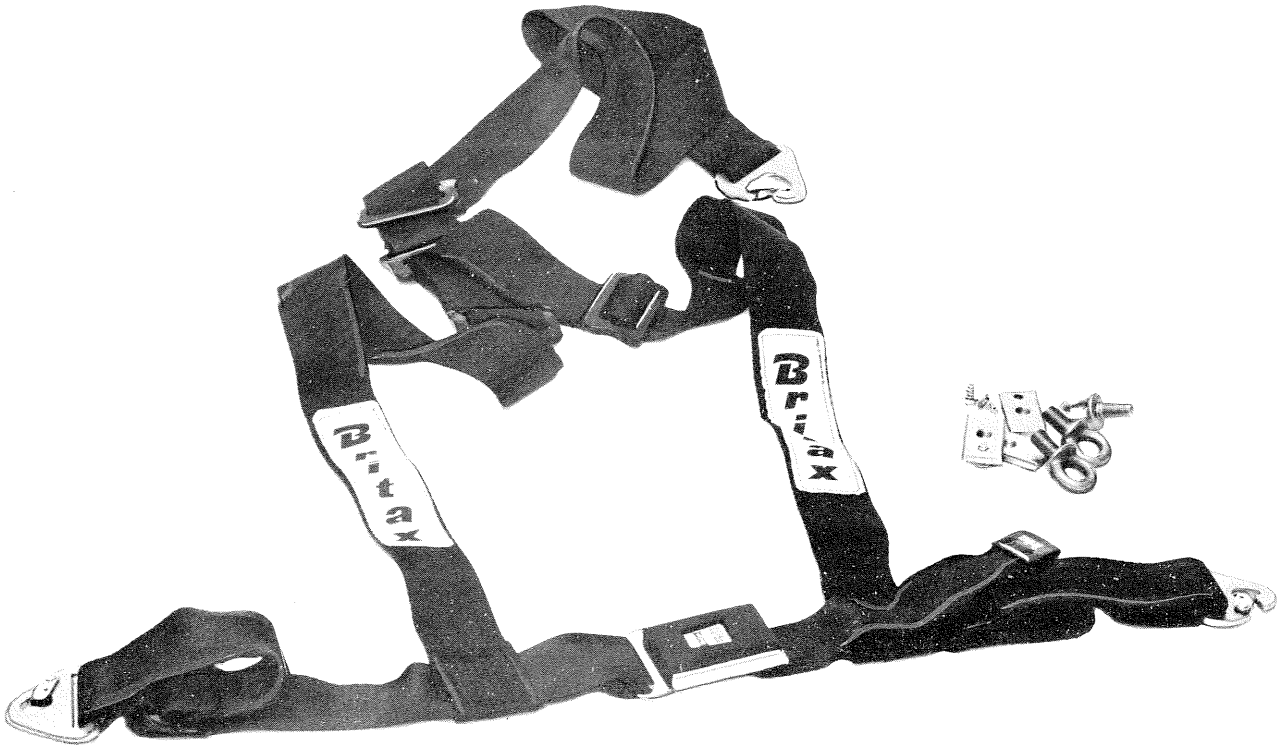


3

Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Läderratt kpl		1	12401	Saab V4	Steering wheel, leather-lined
Läderratt kpl		2	15305	Saab 99	Steering wheel, leather-lined
Läderratt		3	14522	Saab 99	Steering wheel, leather-lined



Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Bilbälte, 4-punkt			12286		Safety-belt, 4-point

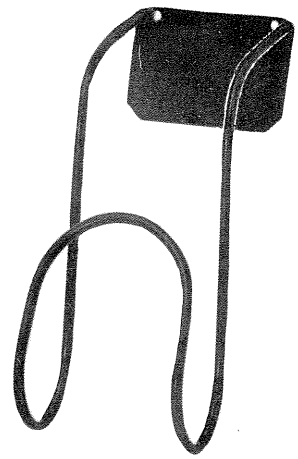
Benämning	Ant Qty	Pos	Det nr Part no	Anmärkning Remarks	Description
Eldsläckare		1	(40)115110009		Only swedish market
Förbandslåda		2	(40)360101000		First aid box

Art. nr. 176388

Saab-Ana Aktiebolag

Mars 1976

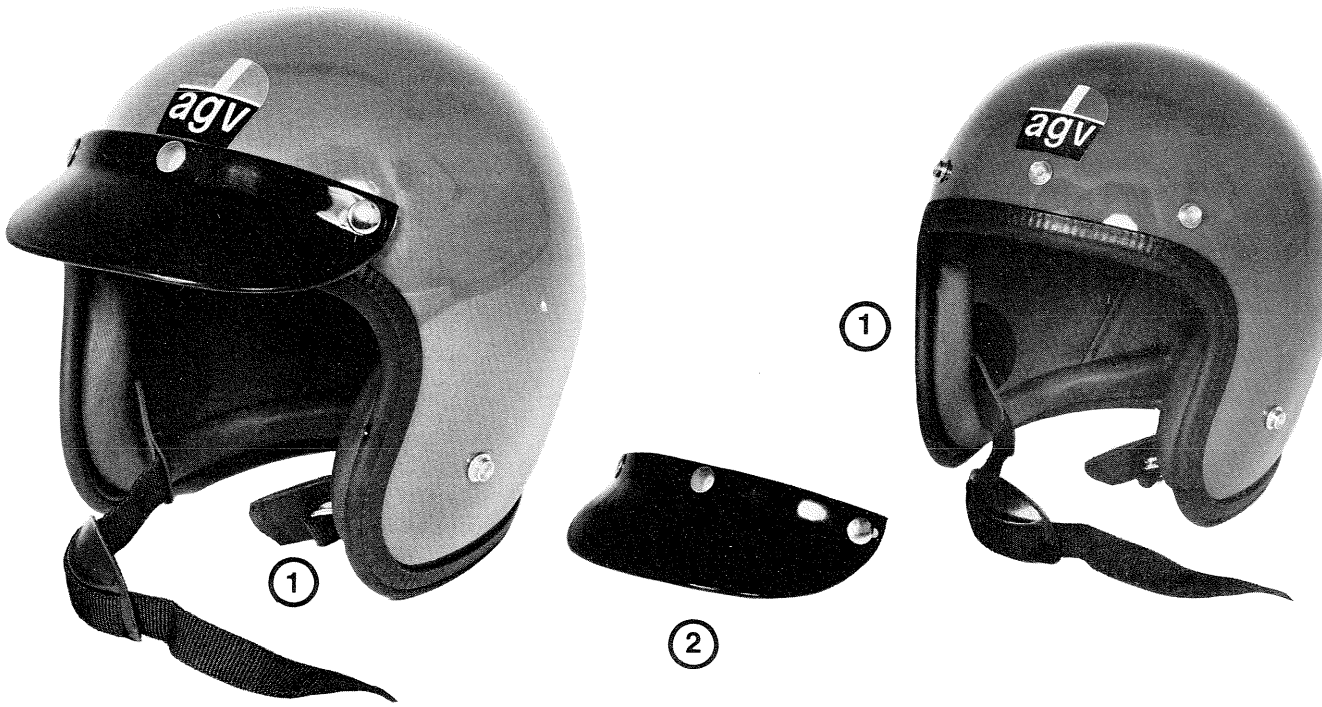
Hjälmar
Crash helmets
5:1 A



Benämning	Det nr Part no	Anmärkning Remarks	Description
Hjälmhållare	11957		Crash helmet holder

SAAB SPORT & RALLY

Personlig utrustning
Personal equipment
Hjälmar
Crash helmets
5:1 B



Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
Hjälm, röd		1	20412	Small	Crash helmet, red
Hjälm, röd			20420	Medium	Crash helmet, red
Hjälm, röd			20446	Large	Crash helmet, red
Hjälm, blå			20461	Small	Crash helmet, blue
Hjälm, blå			20479	Medium	Crash helmet, blue
Hjälm, blå			20487	Large	Crash helmet, blue
Skärm, svart		2	20503		Shield black

Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
Saab barnsportjacka			15685	120 (6–8 år/year)	Saab children sports jacket
Saab barnsportjacka			15693	140 (8–10 år/year)	Saab children sports jacket
Saab barnsportjacka			15701	160 (10–12 år/year)	Saab children sports jacket
Saab sportjacka			15438	Extr small (–46)	Saab sports jacket
Saab sportjacka			15446	Small (46–48)	Saab sports jacket
Saab sportjacka			15453	Medium (50–52)	Saab sports jacket
Saab sportjacka			15461	Large (54–56)	Saab sports jacket
Saab sportjacka			15479	Extr large (56–)	Saab sports jacket

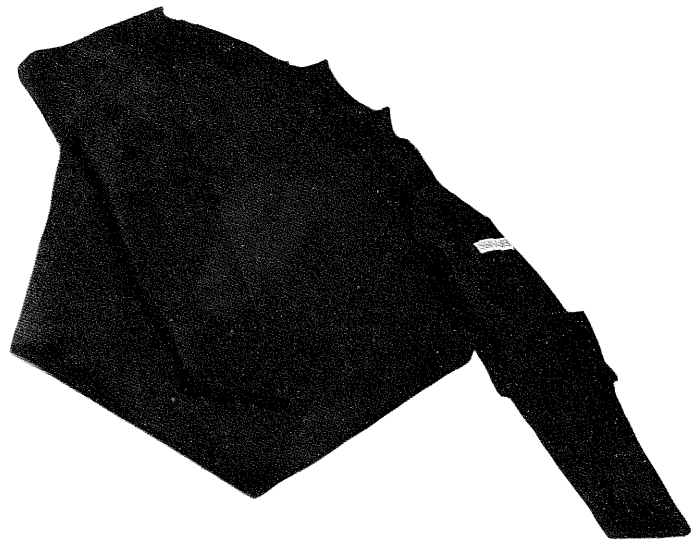
SAAB SPORT & RALLY

Personlig utrustning
Personal equipment
Kläder
Clothes
5:2 B

Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
Saab barnsportjacka			14860	120 (6–8 år/year)	Saab shildren sports jacket
Saab barnsportjacka			14878	140 (8–10 år/year)	Saab children sports jacket
Saab barnsportjacka			14886	160 (10–12 år/year)	Saab children sports jacket
Saab sportjacka			14894	Extr small (–46)	Saab sports jacket
Saab sportjacka			14902	Small (46–48)	Saab sports jacket
Saab sportjacka			14910	Medium (50–52)	Saab sports jacket
Saab sportjacka			14928	Large (54–56)	Saab sports jacket
Saab sportjacka			14936	Extr large (56–)	Saab sports jacket

SAAB SPORT & RALLY

Personlig utrustning
Personal equipment
Kläder
Clothes
5:2 C



Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
Saabtröja, mörkblå		1	15644	Small	Saab pullover, dark blue
Saabtröja, mörkblå			15651	Medium	Saab pullover, dark blue
Saabtröja, mörkblå			15669	Large	Saab pullover, dark blue

SAAB SPORT & RALLY

Personlig utrustning
Personal equipment
Kläder
Clothes
5:2 D

1

2

Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
Vit, "Trolltröja"		1	12328	120	White, "Troll-shirt"
Vit, "Trolltröja"			12336	140	White, "Troll-shirt"
Vit, "Trolltröja"			12344	160	White, "Troll-shirt"
Vit, "Trolltröja"			12351	Small	White, "Troll-shirt"
Vit, "Trolltröja"			12369	Medium	White, "Troll-shirt"
Vit, "Trolltröja"			12377	Large	White, "Troll-shirt"
T-tröja, mörkblå "Saab"		2	20198	120	T-shirt, dark blue "Saab"
T-tröja, mörkblå "Saab"			20206	140	T-shirt, dark blue "Saab"
T-tröja, mörkblå "Saab"			20214	160	T-shirt, dark blue "Saab"
T-tröja, mörkblå "Saab"			20222	Small	T-shirt, dark blue "Saab"
T-tröja, mörkblå "Saab"			20230	Medium	T-shirt, dark blue "Saab"
T-tröja, mörkblå "Saab"			20248	Large	T-shirt, dark blue "Saab"
T-tröja, mörkblå "Saab"			20255	Extra large	T-shirt, dark blue "Saab"

SAAB SPORT & RALLY

Personlig utrustning
Personal equipment

Kläder
Clothes
5:2 F

Benämning	Ant Qty	Pos	Art nr Part no	Anmärkning Remark	Description
T-tröja, svart "Sport & Rally"		1	20263	120	T-shirt, black "Sport & Rally"
T-tröja, svart "Sport & Rally"			20271	140	T-shirt, black "Sport & Rally"
T-tröja, svart "Sport & Rally"			20286	160	T-shirt, black "Sport & Rally"
T-tröja, svart "Sport & Rally"			20297	Small	T-shirt, black "Sport & Rally"
T-tröja, svart "Sport & Rally"			20305	Medium	T-shirt, black "Sport & Rally"
T-tröja, svart "Sport & Rally"			20313	Large	T-shirt, black "Sport & Rally"
T-tröja, svart "Sport & Rally"			20321	Extra large	T-shirt, black "Sport & Rally"
T-tröja, ljusblå "Bianchi"		2	20339	120	T-shirt, light blue "Bianchi"
T-tröja, ljusblå "Bianchi"			20347	140	T-shirt, light blue "Bianchi"
T-tröja, ljusblå "Bianchi"			20354	160	T-shirt, light blue "Bianchi"
T-tröja, ljusblå "Bianchi"			20362	Small	T-shirt, light blue "Bianchi"
T-tröja, ljusblå "Bianchi"			20370	Medium	T-shirt, light blue "Bianchi"
T-tröja, ljusblå "Bianchi"			20388	Large	T-shirt, light blue "Bianchi"
T-tröja, ljusblå "Bianchi"			20396	Extra large	T-shirt, light blue "Bianchi"

SAAB SPORT & RALLY

Personlig utrustning
Personal equipment
Kläder
Clothes
5:2 F

Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
Halsduk, blå/gul		1	16642		Scarf, blue/yellow
Luva, blå/gul		2	16659		Wollen cap, blue/yellow

SAAB SPORT & RALLY

Personlig utrustning
Personal equipment
Kläder
Clothes
5:2 G

Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
Hatt		1	15826	Small	Hat
Hatt			15834	Medium	Hat
Hatt			15842	Large	Hat
Paraply, blå/gul		2	15727		Umbrella, blue/yellow

Personlig utrustning
Personal equipment
Kläder
Clothes
5:2 H

Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
Träningsoverall			15958	120	Only Swedish market
Träningsoverall			15966	140	Only Swedish market
Träningsoverall			15974	160	Only Swedish market
Träningsoverall			15982	Small	Only Swedish market
Träningsoverall			15990	Medium	Only Swedish market
Träningsoverall			16006	Large	Only Swedish market
Träningsoverall			16014	Extr large	Only Swedish market

Personlig utrustning
Personal equipment
Kläder
Clothes
5:2 I

Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
Regnställ			17700	48	Rain wear
Regnställ			17715	50	Rain wear
Regnställ			17723	52	Rain wear
Regnställ			17731	54	Rain wear
Regnställ			17749	56	Rain wear

SAAB SPORT & RALLY

Personlig utrustning
Personal equipment
Handskar
Gloves
5:3 A

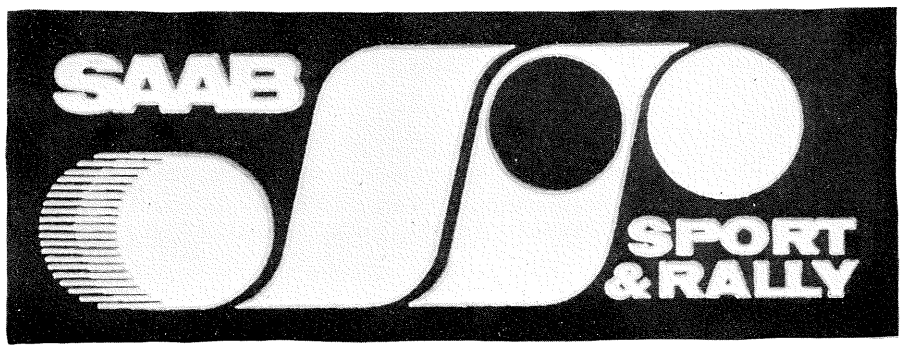
Benämning	Ant Qty	Pos	Det nr Part No	Anmärkning Remark	Description
Handskar			12237	Medium	Gloves
Handskar			12245	Large	Gloves

Personlig utrustning
Personal equipment
Väskar
Bags
5:4 A

1

2

Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
"Skepparväska", blå/gul		1	16634		"Skipper-bag", blue/yellow
Bag, svart		2	20032		Bag, black
Bag, blå			20040		Bag, blue
Bag, beige			20057		Bag, beige



Benämning	Ant Qty	Pos	Art nr Part No	Anmärkning Remark	Description
Emblem, blå botten vit text		1	14118	SAAB 110x30 mm	Emblem, blue bottom with white writing
Emblem, blå botten vit text		2	14977	SAAB 75x25 mm	Emblem, blue bottom with white writing
Emblem, blå botten vit text		3	16147	Sport & Rally	Emblem, blue bottom with white writing

Directions for competition modification of the Saab V4

Installation instructions for the tuning kit in Saab V4

Installation instruction Carburetor kit no 1160 (Weber 40 DFI)

IN 17939

Saab-Scania AB

June 1972

Directions for competition modification of the Saab V4

(Group 2 Special Standard)

The following tuning instructions are for competition purposes. Carried out in a proper way the tuning will, depending on the carburetion system chosen, deliver

1500 cc Engines 105—130 HP DIN
1700 cc Engines 125—145 HP DIN

Experience has proven the engine to be very reliable in operation, provided the tuning modifications are made carefully and reliable parts are used. The parts furnished from the Saab Sport & Rally Department in Sweden have been tested in laboratories and during numerous competition events and give the best possible insurance against failures.

The parts you will find in the following tuning instructions can be ordered from a franchised Saab dealer.

ENGINE BLOCK

Clean the engine block with an oil-dissolving detergent, flush it with water and blow it clean with compressed air.

Use a steel brush to clean casting surfaces in the crankcase and the camshaft housing. Grind or mill off any rough edges.

Clean carefully the gasket surfaces.

After these operations the block has to be cleaned again and dried carefully.

Inspections

1. Check the bolt hole threads making sure that they are clean and in perfect order. The holes for the bearing cap bolts and the cylinder head bolts are especially important. Take the bolts separately and screw them in until they bottom. Check that they are approximately 2 mm deeper than in the position when they are finally installed. Cut the bolts if necessary.

2. Bearings for camshaft and balance shaft. Check that the oil channels in the block and bearings match. Check also that the bearings are in good condition and not scratched or worn.

3. Tappet holes. Check for scratches in the tappet holes. Minor scratches can be honed.

4. Surfaces. All surfaces must be checked for finish and alignment and straightness, especially the surfaces for the oil filter, head gaskets, and bearings. They must be absolutely even and undamaged.

5. Bearing positions. Install the main bearings and torque to70 ft. lbs (l0 kpm). Check:

a. that the cap and block mating surfaces are straight and even
b. that the bearing surfaces are even.
c. that the out-of-round is no more than .0002 inches (0.005 mm).

When the block has been checked and approved, the next step depends on what type of piston and head gasket is to be used:

ENGINE BLOCK MODIFICATIONS

1. Cylinder

A. The part number for the cast piston is 884834 for the 1500 cc engine and number 1001 for the 1700cc engine. Hone the cylinder to 3.545” (90.06 mm) which gives a piston clearance of 0.0024-0.0032” (0.06-0.08 mm) depending upon piston class.

B. The part number for the 1 mm oversize cast piston is 884836 for the 1500 cc engine and 1002 for the 1700 cc engine. As before, the piston clearance should be 0.0024-0.0032” (0.06-0.08 mm). If there are any doubts, the piston diameter should be checked with a micrometer. Check the diameter at a right angle to the wrist pin approximately 0.6” (15 mm) from the pistons lower end.

C. The part number for the 3.58” (91 mm) forged pistons are 1003 for the 1500 cc engine and 1004 for the 1700 cc engine.

The cylinders should be bored to 3.584” (91.03 mm) and then honed to 3.585 (91.06). During the boring and

honing procedure the bearing caps should be installed and tightened to 70 ft. lbs. Cylinder out-of-round and taper may not exceed 0.004" (0.01 mm).

The recommended piston clearance for forged pistons is 0.0056" (0.014 mm). The clearance must not be less than 0.0056" (0.014 mm) due to cylinder taper or out-of-round. Clean after honing and blow dry with compressed air. The cylinder walls should then be wiped off with a clean rag soaked in motor oil. Wipe the cylinder walls until the rags no longer get dirty. That way you get rid of all metal dust from the honing procedure which otherwise might cause rapid wear of the piston rings.

2. Head Gasket with Separate Copper Rings

A. If the head gasket with separate copper rings (part no. 1016) is used, grooves have to be made in connection with the cylinder boring. See Enclosure.

3. Compression Ratio Increase by Milling (when cast standard pistons are used)

A. The block may not be milled on the blue and black engines. If a higher compression ratio is wanted, and standard pistons are used, the heads can be milled up to 0.07" (1.75 mm) without jeopardizing the strength. This will increase the compression ratio to 10.5-11.0 if the combustion chamber is left unmodified. See Enclosure 8 and 13.

B. 1700 cc (1500 cc engine modified with a stroker kit or the standard 1700 cc engine modified with new pistons and connecting rods). With pistons 1001 or 1002, diameter 3.545" or 3.58" (90 or 91 mm), there are two different ways to increase the compression ratio.

a. Mill the engine block 0.04" (1.0 mm) so that the piston tops at top dead center are level with the engine top surface. Also, mill the cylinder heads to make sure they are straight. Also, mill 0.047" (1.2 mm) from the engine block surface against the intake manifold to obtain better alignment.

b. Mill the cylinder heads (maximum 0.07" (1.75 mm)).

If the alternative is chosen, the combustion chamber can be modified as per Enclosure 4 and a compression ratio of 10.5-11 can still be obtained. By milling the cylinder heads only, a compression ratio of 10.5-11 can be obtained if the combustion chambers are not modified which is shown in the sketches number 3 and 6.

Alternative number 1 is better from a performance point of view, but also more expensive.

CRANKSHAFT SECTION

Crankshaft 1500 cc Engine

Dot not modify the connecting rod. However, check and adjust the clearances for the main bearings and connecting rod bearings.

The clearances are supposed to be:
Main bearings - 0.035 - 0.045 mm
Connecting rod bearings - 0.035 - 0.050 mm

Crankshaft main journal diameter:
Standard red 56.990 - 57.00 mm
Standard blue 56.980 - 56.99 mm

Corresponding bearing diameter, installed:
Standard red 57.014 - 57.030mm
Standard blue 57.004 - 57.020 mm

Crankshaft connecting rod journal diameter:
Standard red 53.990 - 54.00 mm
Standard blue 53.980 - 53.99 mm

Corresponding bearing diameter, installed:
Standard red 54.014 - 54.044 mm
Standard blue 54.004 - 54.034 mm

Use green Plastigauge to check the bearing clearances.

If the clearance is 0.00118-0.00138" (0.030-0.035 mm) and the bearings are the blue marked type, replace the bearing half in the cap with a red marked type and check the clearance again. If the initial clearance is more than 0.00197" (0.050 mm), both bearings should be replaced with the blue marked type and the clearances checked again.

If necessary, check the clearances using several different bearings until the right clearances are obtained. During every check it is necessary to torque the bolts properly

which means 70 ft lbs (10 kpm) for the main bearings and 28-30 ft lbs (4.0-4.5 kpm) for the connecting rod bearings.

The following bearings can be used:

Connecting rod bearings, blue 881122
Connecting rod bearings, red 881121
Outer main bearings, blue 881239
Outer main bearings, red 881238
Center main bearings, blue 881241
Center main bearings, red 881240

Crankshaft 1700 cc engine

The same instruction as for the 1500 cc engine above. For tuning, special checked crankshafts, number 1062, have to be used.

CYLINDER HEADS

Modification instructions for cylinder heads on the blue and black engines used from year model 1968 and on:

1 . The intake ports should be ground or filed according to the instructions in Enclosure number 3. The measurements should be 25-26 mm wide and 45-47 mm high, measured on the gasket surface. The gasket surface surrounding the port should not be less than 3.5 mm wide or satisfactory tightening cannot be accomplished.

Before modification, it is advisable to paint the gasket surface with machinists' dye and then mark out the future measurements.

If valves with chrome plated stems and separate valve guides are to be used, (44/37 mm and 44/38 mm), remove the valve guide portion of the valve guide which extends into the port.

If these valves are not used, the valve guide sides should be tapered toward the port. The height should not be reduced.

If larger valves are to be used (42/37 mm, etc.), the valve seat machining should be done before the valve guide extruding portion is removed, as it afterwards is extremely difficult to center the mill.

2. Combustion Chamber - When valves larger than standard are installed, the combustion chamber should be modified in order to improve the breathing. The modifications are shown in Enclosure 4a.

In order to get the same volume in all combustion chambers it is advisable to make a template of cardboard, steel sheet, or similar, according to Enclosure 4a.

The combustion chamber volume after modification should be 44 cm^3. Note: This volume is obtained for the combustion chamber in a cylinder head that has not been milled. It gives a compression ratio of 11.0 with 1700 dome type piston. If a different type of piston is used, the heads have to be milled to obtain this compression ratio.

3. Valve Seats - The valve seat angle should to be 45°. With the seat outer diameter the same as the valve diameter, the inner diameter should be 2 mm smaller. This applies to both the intake and exhaust valves.

Machine the valves in a valve grinder as follows:
1 . Grind the inner part of the valve to 30°.
2. Grind the 45° part of the valve to the same measurements as the corresponding seat; that means the outer diameter the same as the seat and the inner diameter 2 mm smaller.

The sharp edges on both sides of the 45° angle on the valve and on the seat should be slightly rounded. Before the valves are installed, the tightness of each one should be checked. Here is an easy way to do that: make approximately 15 thin lines across the valve seat using chalk. Install the valve and turn it in the seat a few times in both directions using a slight pressure. Remove the valve and check that the chalk lines have been erased and similarly.

4. Recommended Compression Ratio - When the valves are fitted, the compression ratio and the level of the cylinder head can be set. (See /2 above). Now install the spark plugs which will be used in the final installation.

The compression ratio is limited to 10.5 if standard head gaskets are to be used. With the special arrangement with copper rings the compression ratio can be raised to 11.5

using one two-barrel carburetor and to 11.0 using two two-barrel carburetors.

5. Exhaust Ports - Bench tests show that the V4 engine torque increases continuously with increased port areas. This is valid for intake ports as well as exhaust ports.

The limitation is the wall thickness (limit 4 mm) in the head and the gasket areas between the heads and the manifolds.

The exhaust port should increase in area all the way from the valve to the exhaust manifold. The valve guide should be filed or ground so it no longer intrudes into the port. The outlet diameter should be increased to 44 mm. See Enclosure 2.

Use exhaust gasket number 1145. If the gasket is too small after the modification has been made, and tightening problems are encountered, a special gasket can be made of aluminum and covered with Permatex gasket compound on both sides prior to installation.

6. Valves and Guides - As mentioned earlier, special valves with diameters of 42 and 37 mm are available. The stem diameter is the same as standard which makes guide modification unnecessary unless the old ones are damaged or worn, in which case separate valve guides are to be installed. Part number 1172, Enclosure 7. When the valve guides are filed level with the port, the sharp edge at the guide end should be rounded to prevent valve stem damage or ground off.

The valves will recess into the valve seats as time is accumulated on the engine. This is first noted through decreasing valve clearance. When the valve recesses, the seat width also increases. When the seat width increase approaches 1 mm, it is time to reduce the inner diameter by using a 70° mill or grind on the head. If the recession is as much as 0.06-0.08" (1.5-2 mm), the valves should also be replaced. The cylinder head is in that case restored by installation of 44 mm intake valve number 1168 and 38 mm exhaust valve number 1167. As the stem diameter on these valves is 0.04" (1.0 mm) smaller than on the previous valves, separate valve guides have to be installed. Valves 42/37 and 44/38 give similar HP ratings.

7. Valve Springs, Retainers, and Locks - Install stiffer valve springs, part number 1011 . If standard valves are used, install the standard valve retainer and lock. If larger valves are installed, the distance between the upper and lower spring seats should be measured. The distance should be 1.51"- l.55" (38.3-39.5 mm); never less than 38.3 mm if a camshaft with a lifting height of more than 7.2 mm is used.

There are two different valve retainers available. Black retainer 1087 should be used when new, large valves are installed, white retainer 1012 after the first recession.

After modification of a valve with new valves, a spring length of approx. 1.52" (38.5 mm) is achieved with the black retainer and and 1.45" (37.0 mm) with the white retainer.

CARBURETORS

There are three different alternatives for the 1500 cc and the 1700 cc engines.
1. Carburetor Kit - 1 Weber 40 DFI , Part No. 1160
2. Carburetor Kit - 2 Solex 40 - 42 CCI, Part No.1161
3. Carburetor Kit - 2 Weber DCOE 16S, Part No.1162

These carburetor kits include: intake manifold, carburetor with linkage, air filter, hardware and installation instructions. Alternative 3 (side draft carburetor kit) also includes a special distributor.

You will find the torque and HP information in Enclosures 14 and 15.

FLYWHEEL

The flywheel should be as light as possible without endangering the strength. Two different alternatives for lightening can be found in Enclosure 5.

a. Reduce the outer diameter behind the starter gear to 19.45" (240 mm) by turning.
b. After the turning, mill the flywheel so only a small amount of material is left around the retaining bolts for the clutch. Polish the surface and balance the flywheel. Always use new bolts for the installation of the flywheel and tighten to 50 ft. lbs (7.0 kpm).

Weights:
Standard flywheel - 16.1 lbs (73 kp)
Modified according to alternative 'a.' - 12.8 lbs (5.8 kp)
Modified according to alternative 'b.' - 11.5 lbs (5.2 kp)
Modified flywheel according to alternative 'b.' has the part number 1169.

CLUTCH AND DISC

Clutch part number 1052 has stiffer springs (marked red). The disc, part number 1053 or number 1131, also has stiffer springs than the standard disc.

Pressures:
Standard pressure plate - 750-940 lbs (340-425 kp)
Competition type - 930-970 lbs (420-440 kp)

The competition-type pressure plate and disc should be used if the engine is tuned to more than 90 HP.

PISTONS

Cast standard piston 90 mm (1498 cc), Part No.884834
Cast standard piston, oversize 91 mm, (1531 cc). Part 884836
Forged piston, size 91 mm, (1531 cc), Part No. 1003
Cast standard piston, 90 mm (1698 cc), Part No.1001
Cast standard piston, size 91 mm (1740 cc), Part No.1002
Forged piston, 91 mm (1740 cc), Part No. 1004

If the engine is intended mainly for competition, the forged pistons should be used. They can withstand higher pressures, temperatures and rpm's than the standard pistons. They are also domed which makes it possible to modify the heads more extensively.

The forged pistons are delivered with piston rings and bolts' pins. When assembling the piston and connecting rod, part number 1005, the top end of the connecting rod has to be heated to 535-610° F (280-320° C) when the bolt pin is being installed. The necessary press force is approximately 1900 lbs (800 kp). During the installation the piston has to be supported by a tool with a shape fitting the piston to prevent distortion of the piston.

Before installation of the pistons, the ring gap has to be measured as follows: Install the ring in the cylinder and press it down approximately 1" (20-30 mm) using the piston as a guide. The gap of the compression rings should be 0.012-0.020" (0.30-0.50 mm).

CONNECTING ROD

A. Standard Connecting Rod - In order to reduce the chances for breakage, the connecting rod should be polished with the grinding along the length of the rod. The rod bolts and nuts should be replaced every time they are removed. When installed they should be torqued to 28-30 ft lbs (40-4.5 kpm) and locked with Loctite, Lockn' Seal, (or similar which will withstand a temperature of at least 300^0 F (150^0 C)).

After installation. check that the connecting rods side play on the crankshaft are 0.004-0.008" (0.10-0.20 mm). The pistons and connecting rods can be balanced, but it is not necessary.

B. Connecting Rod No. 1005 — In order to reduce the changes of a connecting rod failure, especially on 1700 cc engines, a special connecting rod is available. part no. 1005. NOTE: This connecting rod should not be polished!

CAMSHAFT

Three different camshafts are available:
7.2 — Part No. 1007
7.6 — Part No. 1008
8.3 — Part No.

Type 7.6 is recommended for rallies. It can also be used for track races where a high torque at a tentatively low rpm is required (ice racing). For higher speed tracks, where the rpm can be held around 5000-7500 rpm, the type 8.3 camshaft is preferred, as it gives better performance above 6000 rpm.

The type 7.2 camshaft gives the maximum torque approximately 500 rpm earlier than type 7.6 but approximately 5 % lower top performance. This is a good street cam.

When a high-performance camshaft has been installed, the valve lift then should be checked intermittently in order to detect any wear of the camshaft. This can be done as follows:

Adjust the valve play correctly (for 7.6 intake 0.0197" (0.50 mm), exhaust 0.024" (0.60 mm)) on all valves except the one to be measured. Here you set the valve play first to '0' and then you tighten the adjustment screw another 1/10 of a turn to be sure all play is eliminated. Then use a dial indicator to measure the lifting height on the valve, parallel to the valve stem. Rotate the engine and repeat at least once on each valve to check the initial measurement. Readjust this valve to proper play and go on with the next one the same way.

The camshaft type 7.6 gives a valve lift of 10.9 - 11.50 mm, depending upon manufacturing differences in the rocker arms, etc. When the lift caused by wear has decreased 0.008" (0.2 mm), the power loss is significant and the camshaft and the valve lifters should be replaced.

Valve play	7.2	7.6	8.3
Inlet	0.50 mm 0.0197"	0.50 mm 0.0197"	0.50 mm 0.0197"
Outlet	0.50 mm 0.0197"	0.60 mm 0.024"	0.60 mm 0.024"

CAMSHAFT DRIVE TRAIN

Install the steel gear (part no. 881027) on the balance shaft (part no. 881133). The gear backlash should be 0.00197 - 0.0055" (0.05 - 0.14 mm). Check that the camshaft gear backlash is 0.00197 - 0.0055" (0.05 - 0.15 mm). Replace the gears if necessary.

BALANCE SHAFT

Use the balance shaft for the 1500 cc engine (part no. 881133) on the 1700 cc engine as well as the 1500 cc engine.

VALVE LIFTERS

Two different types of valve lifters are available the standard lifter and the competition type, part no. 1013. The later type is of highest quality and lighter (79 grams compared to 100 grams for the standard lifter). It is not recommended to try to make the standard lifter lighter, as experience has shown that they will easily fail.

New lifters should always be installed together with a new camshaft. If the lifters however, are in perfect condition they could be used over again, but if they have scratches or rings on the bottom surface they should be replaced.

Push rods

Replacement not needed but check straightness and the ball surfaces carefully.

Rocker Arms

Modify the rocker arm by grinding the arm at the valve end to a 8 mm diameter half circle positioned directly over the valve stem. Do not reduce the height of the rocker arm.

Rocker arm shaft support

A competition-type rocker arm shaft support is available (part no. 1171). It is retained by the two standard bolts plus three head bolts have to be replaced by three special head bolts threaded for an M8 x 1 mm in the head (part no. 883107).

At installation, the support is first retained by the two standard bolts. Adjust then the height of the spacers so they fit exactly, and tighten the side bolts.

The competition type rocker arm shaft support bracket has the following advantages:

1. Valve recession will be decreased and, thereby, also the need for valve adjustment.
2. The rpm limit will be increased 500 rpm.

CYLINDER HEAD GASKET

There are three alternatives:

1. Standard gasket.
2. A gasket, part no.1017, which has a reinforced steel lining for blue and black engines only.
3. Gasket 1015 with copper rings (part no. 1016, separately).

The standard gasket should be used only with minor modifications (single carburetor or maybe two-barrel carburetor Weber 40 DFI) and never for a compression ratio higher than 10.5

If difficulties are encountered with the standard gasket and arrangements are not made for the copper ring-type gasket, the gasket with a reinforced steel lining (which is market red) can be used. In any case, the head bolts and nuts should be retorqued after approximately 300 and 600 miles (500- 100 km). Torque to 85 ft lbs (12 kpm). If the bolt "creeps" (the torque does not increase continuously up to 85 ft lbs (12 kpm)) the bolt should be replaced immediately.

For competition use, only the copper ring-type gasket is recommended. This gasket consists of separate copper rings around the cylinders (part no.1016 if sold separately) and a standard gasket, 1015, scaling for water and oil.

For the copper ring-type gasket a special recess has to be made in the block. See Enclosure 6. It is very important that the recess has exactly the measurements indicated on the sketch. Note the following concerning the copper rings:

a. Replace the copper rings every time the head is removed. If this for any reason cannot be done, reinstall the old copper rings but make sure they are installed in the same cylinder and the same position as before. It is, therefore, necessary to mark them before they are removed from the recesses.
b. The copper ring must not be less than 0.0846" (2.15 mm) high. If there are differences in the copper ring thickness, install copper rings with the same thickness under the same head. Torque the head bolts to 85 ft lbs (12.0 kpm). No retorqueing is necessary.

NOTE : When ordering head gasket, also specify the engine model year.

OIL PUMP

Replace the oil pump spring with the stiffer spring, part no. 1014. The oil pump plunger should be modified as follows:

a. Polish the plunger inside in order to reduce the spring wear.
b. The outer sharp edge on the plunger top should be honed round.

Despite the polishing of the plunger inside, experience has shown that the spring is worn and, therefore, it should be replaced every time the engine is rebuilt or after 8000- 12000 miles (15000-20000 km) of competition driving.

The oil pressure, with a warm engine, should be approximately 85-90 lbs/sq in (6-6.5 kp/cm^2). If the maximum pressure is lower than approximately 55-60 lbs/sq in (4 kp/cm^2) the reason for it has to be determined.

FUEL PUMP

The standard fuel pump is sufficient up to a horsepower output of approximately 115 DIN HP. Fuel pump, part no.1024, has capacity for 160 HP. It is installed in place of the standard pump.

In summertime there is a chance for vapor locks in the fuel pump. Normally, this happens after a hot engine has been shut off a few minutes or has been idling and a demand for maximum fuel is made. Suddenly the engine loses power for a while and then recovers when colder fuel has reached the pump.

In order to insulate the fuel pump from the engine heat, a fiber gasket, no.1174, can be installed under the fuel pump. The fuel pump push rod then has to be extended the same distance. Put the extended portion towards the pump. Extended push rods' for the fuel pump, part no. 1175.

If the ambient temperatures are very high, it is sometimes not enough to insulate the fuel pump. The fuel reaches the pump too hot and is heated up too much there. An electric fuel pump can eliminate the problem. It should never be installed close to the exhaust system.

OIL COOLER

The oil cooler, part no. 1023, is necessary for a competition engine. The oil temperatures can still reach as much as 285-300° F (140-145° C). This does not

indicate engine trouble, but the additives in the engine oil are used up very fast, and the engine oil has to be changed often.

The oil cooler should be installed in a place where the best possible air is obtained; for instance, on the left engine housing level with the engine valve train.

COOLING SYSTEM

The original cooling system is in most cases sufficient for a mildly tuned engine (about 110 HP). For more tuned engines and especially for competition use a larger radiator (part no.1166) with a special overflow container (part no.1164) should be fitted. When fitting the larger radiator it is necessary to exchange the rectangular headlamps with round ones, see group 10 catalogue for the US Market.

For summertime competition, note:
a. Do not cut the fan.
b. The thermostat housing should be modified so that all unnecessary material is removed and the thermostat is left resting only on a small shelf with an inner diameter of 39 mm. The thermostat can also be removed completely.

As temperatures below -5° F (-15° C), a standard thermostat can usually be used. If it is not sufficient, the thermostat can be modified as follows:

Make a screwdriver groove with a hack on the center screw on the thermostat. Then melt the solder around the screw and screw it down approximately four (4) turns. Drill three 3 mm boles in the seat circumference.

If the cooling capacity is not sufficient,. install a bigger radiator, part no. 1166.

IGNITION SYSTEM

Install ignition coil, 850663, together with resistor 850059. Remove the resistors in the ignition wires and install connectors no.1178. Change to rotor, no.1177.

Remove the vacuum unit and lock the breaker plate to the fixed bottom plate in the distributor. The basic (static) ignition timing should be 9° BTDC with vertical carburetor system and 6° BTDC with side draft carburetor Weber 45 DCOE-16S.

Recommended spark plugs:
Motorcraft (Autolite) AG 901- Part No. 1099
Bosch W 280 T2
Champion N 60

(Grey engine)
Motorcraft (Autolite) AE 901 — Part No. 1176
BoschW280 T l 3S
Champion L64Y

EXHAUST SYSTEM

From both an efficiency and a strength point of view, the exhaust system has to be replaced with part no. 1091. Make a hole in the engine compartment floor according to Enclosure 1. Use hardware kit, part no. 1092. For street modifications, exhaust system kit, part no.1147 can be used.

CRANKCASE VENTILATION

The engine should have a closed crankcase ventilation system. Connect the right side valve cover with a hose to the flame guard in the air filter. Connect the left side valve cover to the connection on the intake manifold. Under this connection a 1 mm hole enters into the intake manifold.

For the side draft carburetor, Weber 45 DCOE-16S, the left side valve cover should also be connected with the air filter for the left side carburetor. Oil filler cap, part no. 881156, should also be installed.

MODIFICATION OF CARBURETOR

Included in the carburetor kits are modification specifications. For dual carburetor installations, it is important that the carburetors are synchronized and the linkage straight and in order. No play in the linkage is allowed.

LUBRICATION

Competition-type oils should be used. In the summer, use viscosity SAE 40; and in the winter, use SAE 30. Vegetable base racing oils may not be used.

The oil should be changed at least every 1200 miles. During winter, the low temperatures cause the oil to become diluted and should be changed even more frequently.. If you change to a different oil brand, the engine should be flushed with a standard engine oil.

The oil level should be from "medium" (between the oil level marks) to "high" (upper oil level mark).

For the transmission, Hypoid oils should be used - quantity 1.5 liter.

TRANSMISSION

It is possible to modify the transmission by installing alternate gear sets with different ratios. It is also possible to change the ring and pinion gear.

Three different gear sets are available: Standard, Special 1, part no. 1085, and Special 2, part no. 1086.

The standard gear set has the widest ratios. Special 1 has standard third (3rd) gear, while first (1st) and second (2nd) are higher and fourth (4th) lower than standard.

Special 2 has the same fourth (4th) gear as Special 1, but the other gears are higher.

Ring and pinion gear

The standard ring and pinion gear has the ratio 8:39 and is not very well suited for modified cars. The 7:36 gears, part no. 783629, are recommended for engines without extensive modifications. The ring and pinion gears 7:38, part no. 1049, and 6:35, part no. 1048, are both made of very good material and are well suited for modified engines.

Most widely used is 6:35 while 7:38 is mostly preferred for private driving.

Below are shown the speeds in miles per-hour per 1000 rpm's in each gear based on a tire radius of 300 mm (155 x 15 tires).

Ring and Pinion Gear	Gear Set	1	2	3	4
8:39 (4.87 to 1)	Standard	4.1	6.9	11.1	17.2
7:36 (5.15 to 1)	Special 1	4.3	7.3	11.6	14.8
7:38 (5.43 to 1)	Special 1	4.1	6.9	10.0	14.2
6:35 (5.83 to 1)	Special 1	3.8	6.4	9.1	13.2
7:38 (5.43 to 1)	Special 2	4.9	8.1	10.9	14.2
6:35 (5.83 to 1)	Special 2	4.5	7.6	10.2	13.2

Below are shown the speeds in km-per-hour per 1000 rpm's in each gear based on a tire radius of 300mm (l55x 15 tires).

Ring and Pinion Gear	Gear Set	1	2	3	4
8:39 (4.87 to 1)	Standard	6.7	11.1	17.9	27.7
7:36 (5.15 to 1)	Special 1	7.0	11.8	17.0	23.9
7:38 (5.43 to 1)	Special 1	6.6	11.2	16.1	22.7
6:35 (5.83 to 1)	Special 1	6.2	10.4	14.9	21.1
7:38 (5.43 to 1)	Special 2	7.9	13.1	17.5	22.7
6:35 (5.83 to 1)	Special 2	7.3	12.2	16.3	21.1

Use a cast iron transmission housing, part no. 1051, when you install close ratio gear sets or non-standard ring and pinion sets, and always when the power output is more than 130 HP. It is also advisable to install a modified motor mount, 880170, between the transmission and floor pan to give the transmission additional support. Also, install the engine support brackets, part no. 1018. between engine and transmission.

BODY

For off-road racing and rallies, it is important to install a belly protection plate which is long enough and well supported. Part no. 1100 (for Group 1) and part no. 1065 (Group II) meet these requirements.

CHASSIS

For competition cars, special rally front springs, part no. 1057, and shock absorbers, part no. 1059 and 1060 are recommended. Rally Special front springs, part no. 1057.

Should be installed only with spring supports, part no. 1088.

If a larger fuel tank is used, the rear springs should be changed to a more progressive type (part no. 1058). They can, of course, be used for other purposes.

Rear Axle

A modified rear axle has part no. 1061 and is used by Saab on all rally cars.

Brake

Brake pads Ferodo DS 11, part no. 1056, or Ferodo 2430, part no 786828, should be used. It is important to "fade" the new pads after installation. This is accomplished by braking several times, getting the brake pads so hot that the braking power disappears. This causes the brake pads to cure so that the initial "break in" fade does not occur in the early part of a race.

It is also important to change brake fluid to a type with a very high boiling point. For example, BP Disc Brake Fluid, ATE Blaue S, Castrol Green, LMA, or similar.

The dust shield plates on the inside of the front brake discs should be bent so a better air stream towards the discs is accomplished. The rear brakes should not be modified.

Wheels

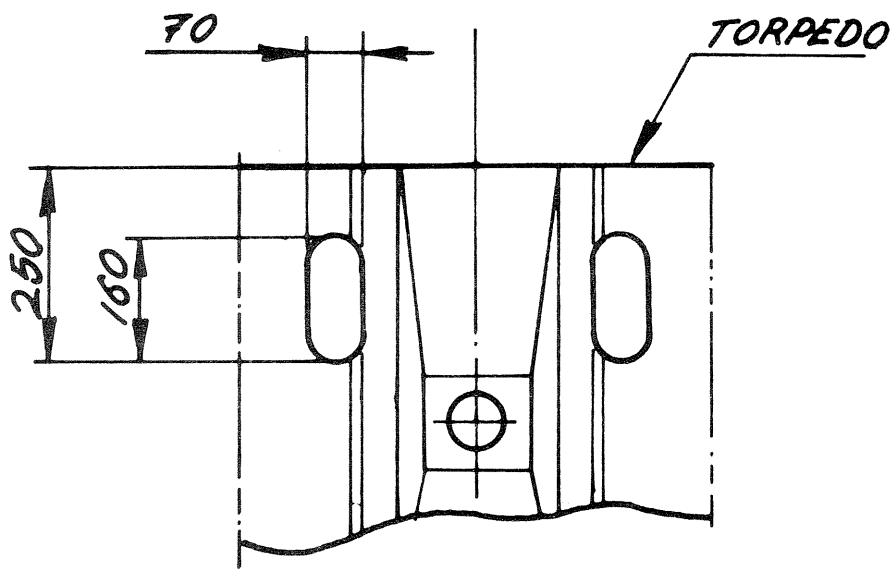
Two types of wheel rims are recommended: The Saab Sonett wheel rim, 741207, of steel or the aluminum wheel rim, part no. 1120. For the aluminum wheel special bolts, part no. 1121 , and special washers, part no. 1122, should be used.

Recommended tire sizes are 155 x 15 or 165 x 15

Drawing of front floor

The holes for the exhaust pipes should be made with one side in the upper corner of the floor. See the drawing below.

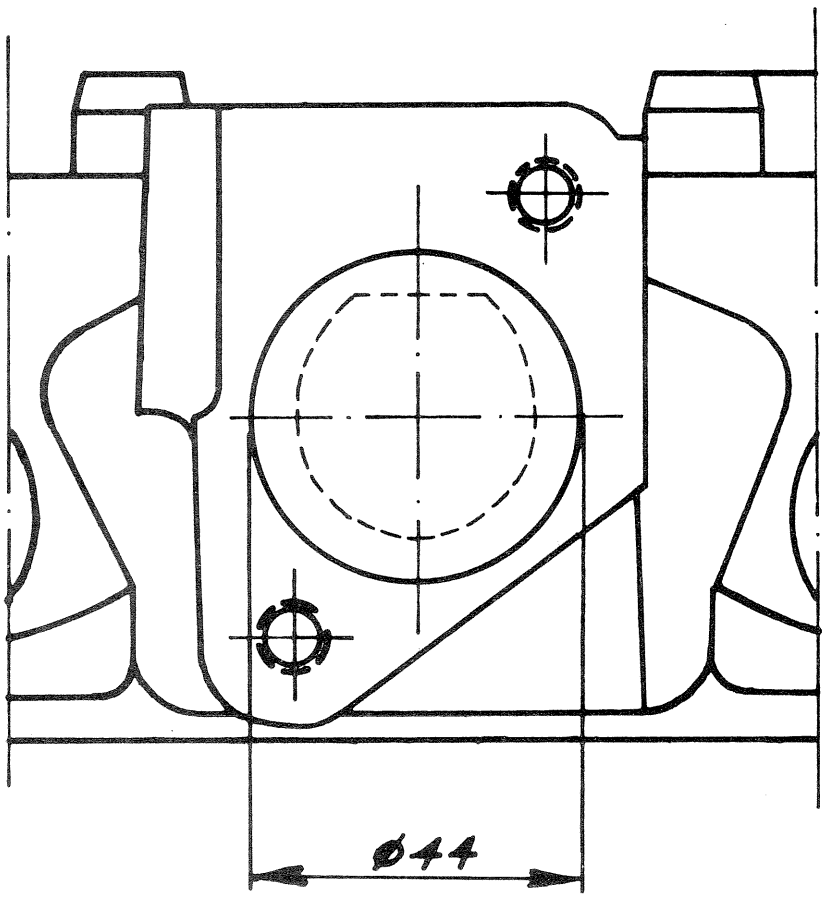
Make the holes 160x70 mm with Ø 30 mm radius in all corners.



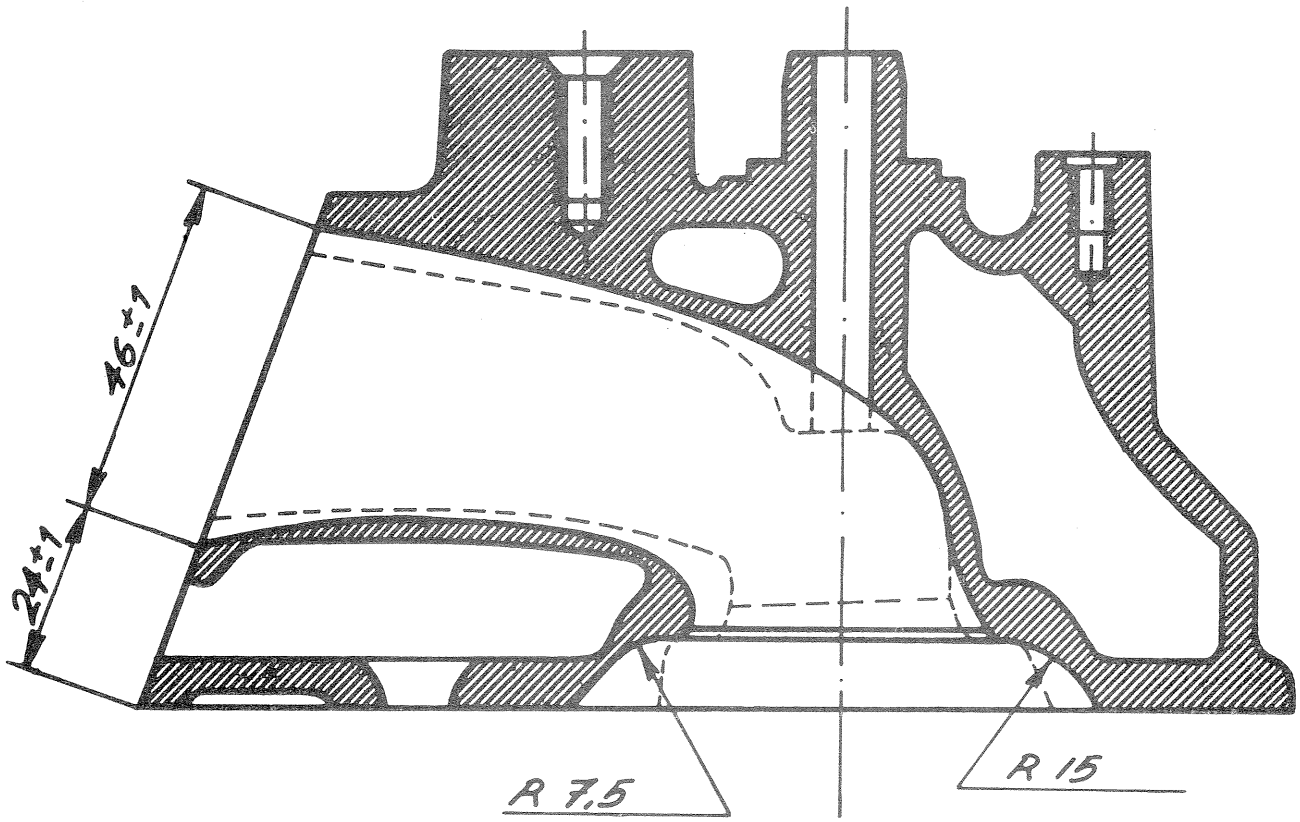
Modification of the exhaust ports

Exhaust ports are to be milled out to 44 mm. The middle flange must also be bored out to same diameter.

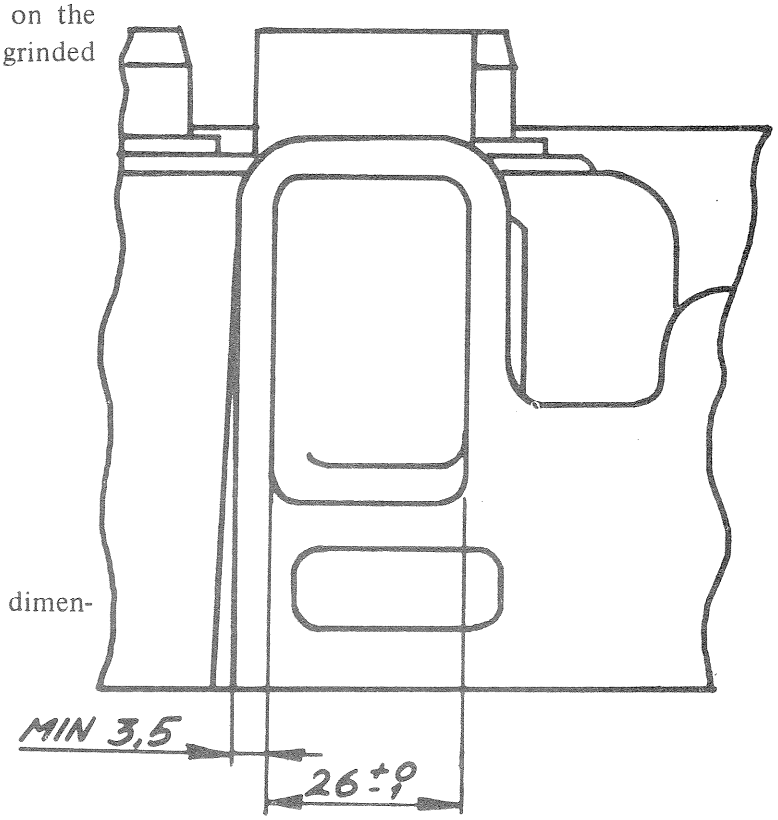
The gasket 707712 can be used by enlarging the bolt holes.



Modification of the intake ports

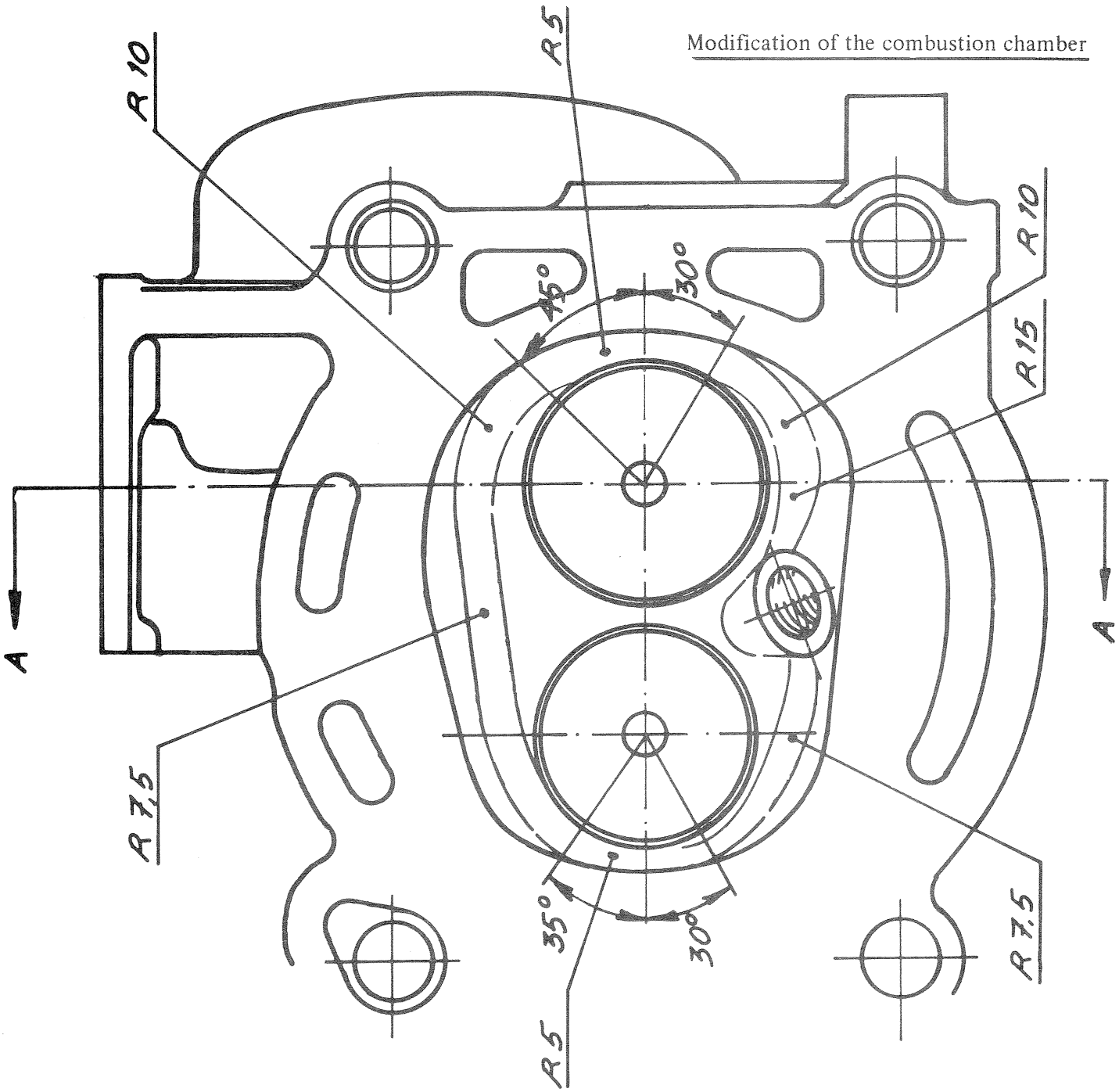


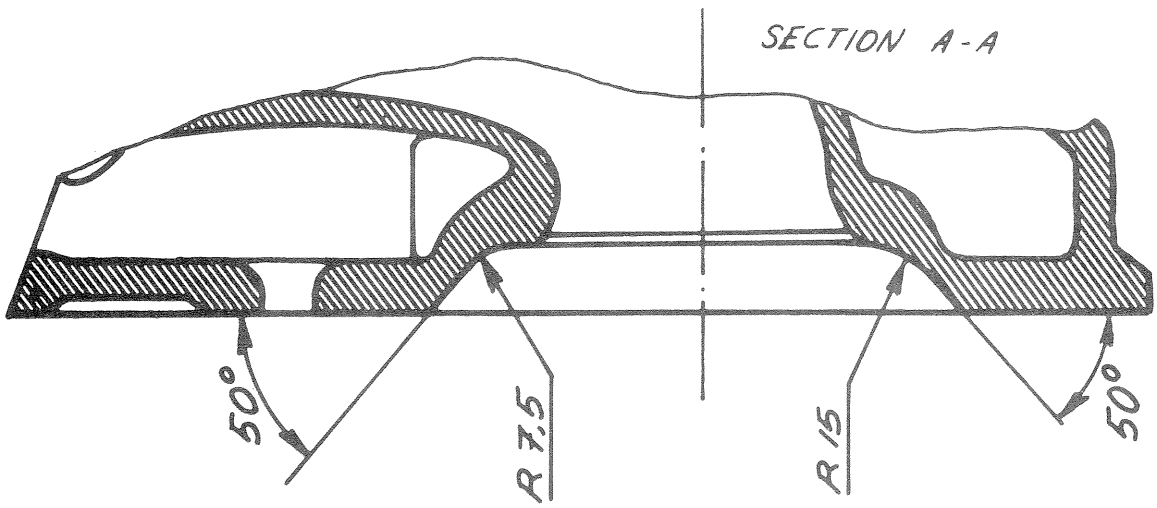
Grind out the intake ports to the dimensions as shown on the drawing. Note! If the guide on the grinder has an expander, the seat must be grinded before the edge is filed down.



Before grinding the ports mark off the new dimensions.

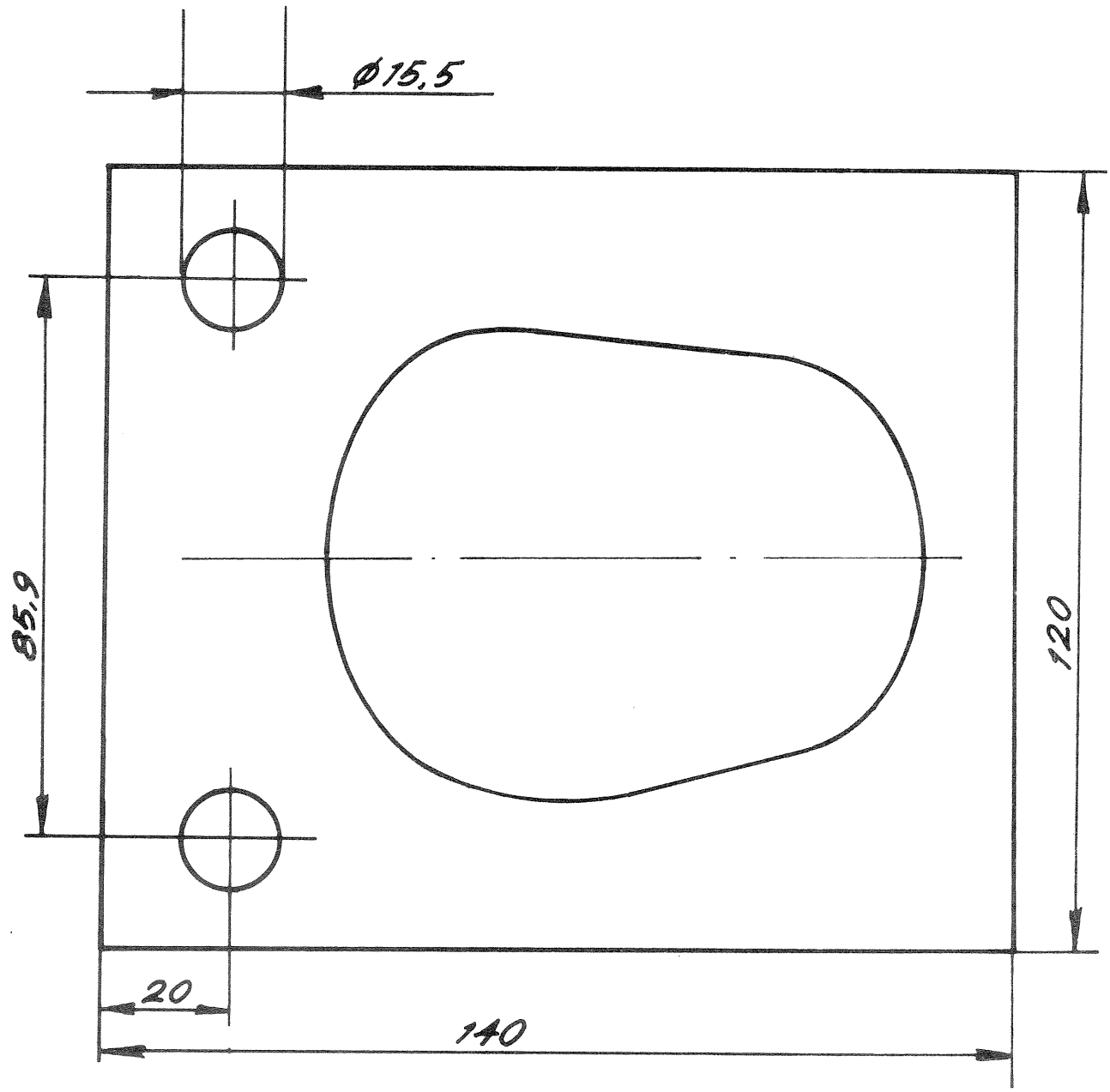
Modification of the combustion chamber



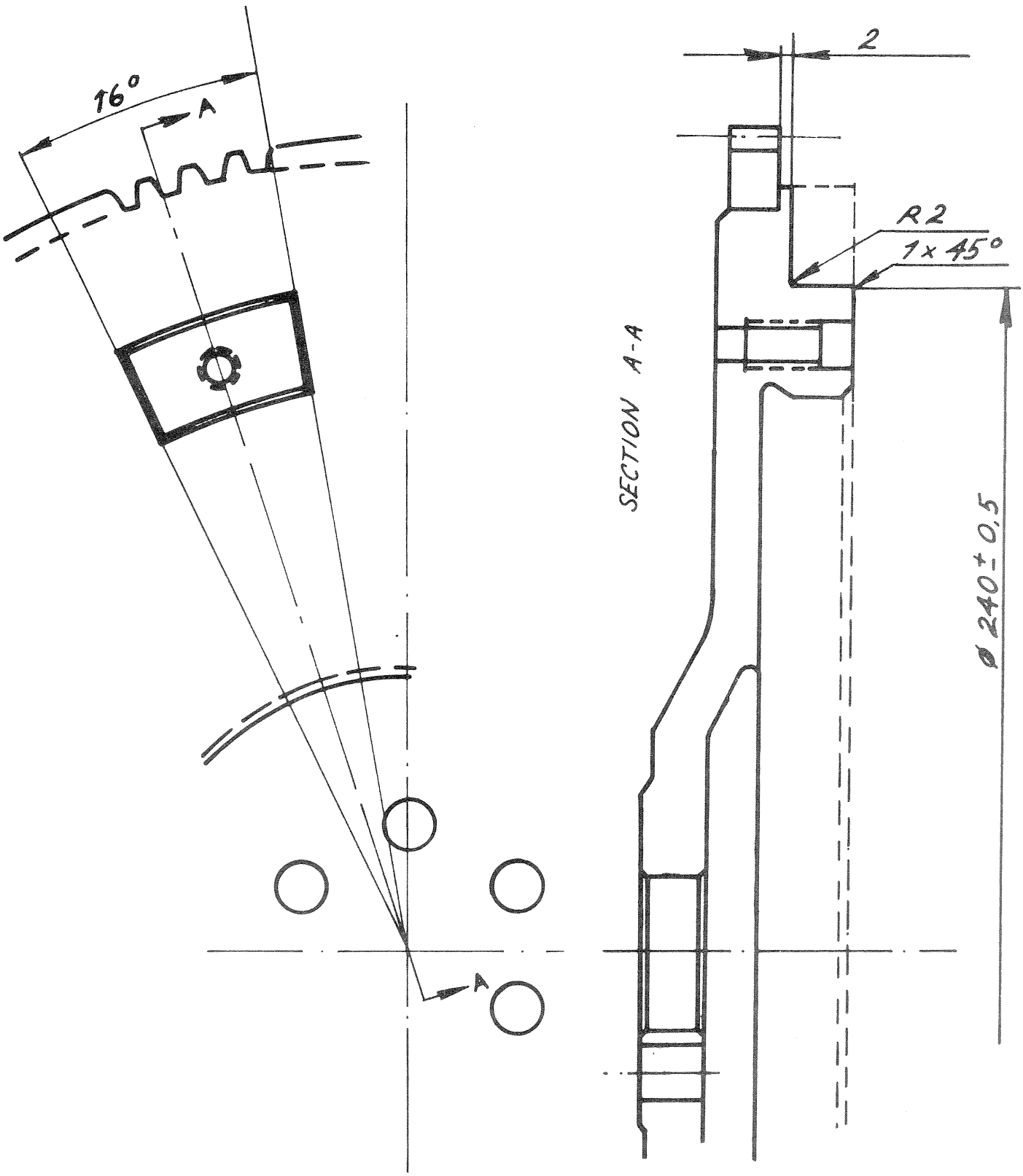


Template for combustion chamber

The template can be made of 2 mm sheet aluminium.

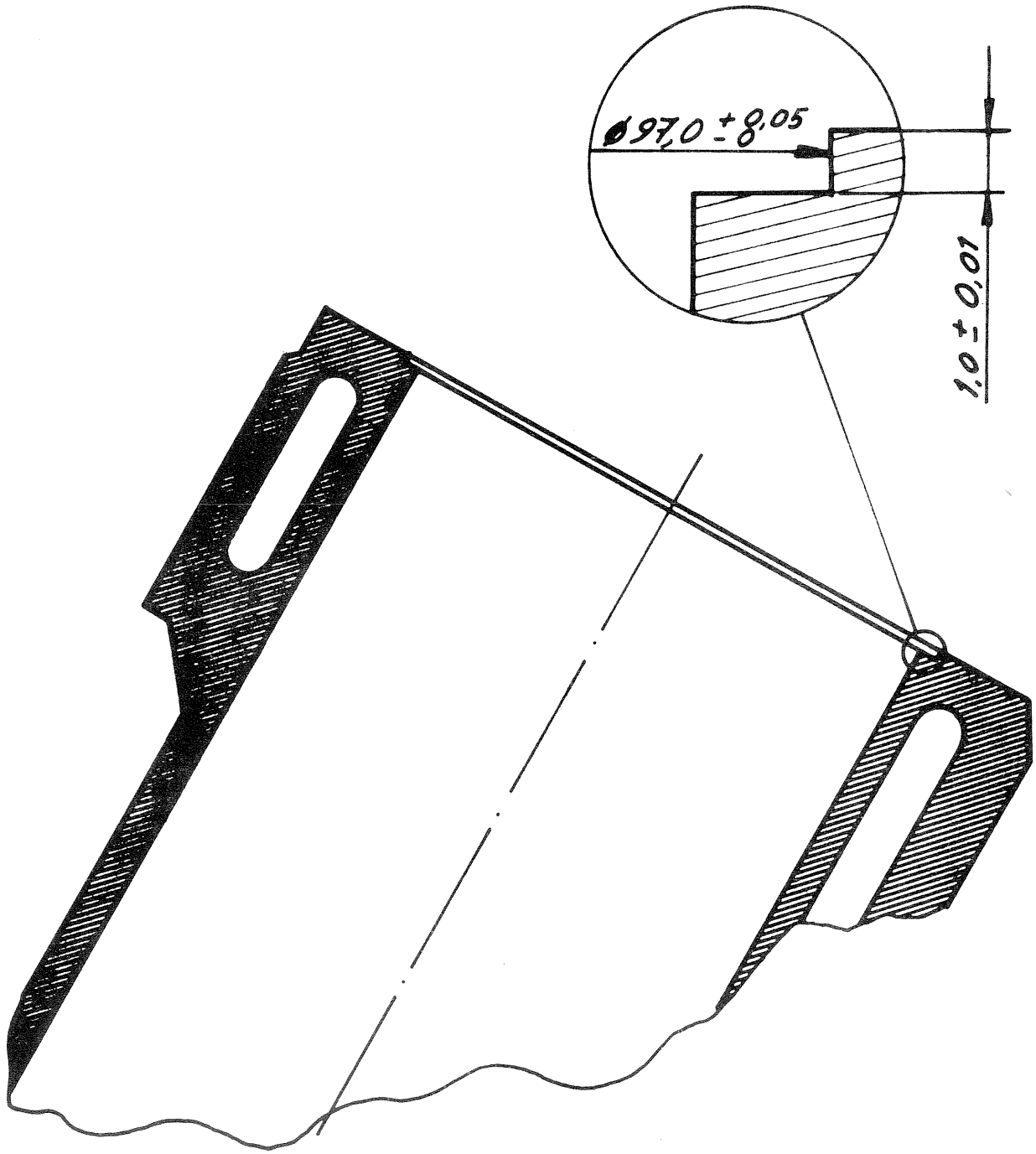


To lighten the flywheel



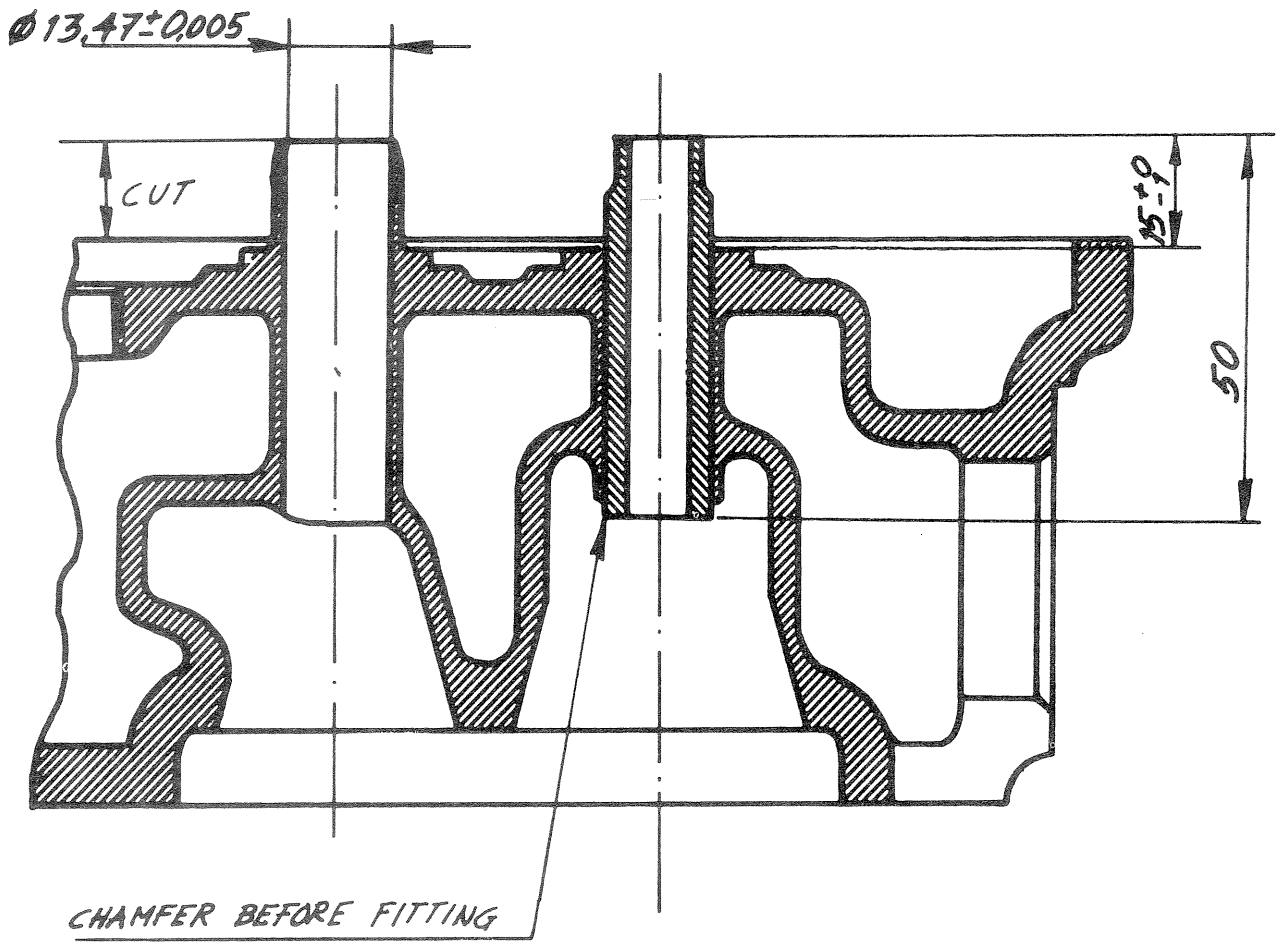
Modification of the combustion chamber

Recess for copper ring

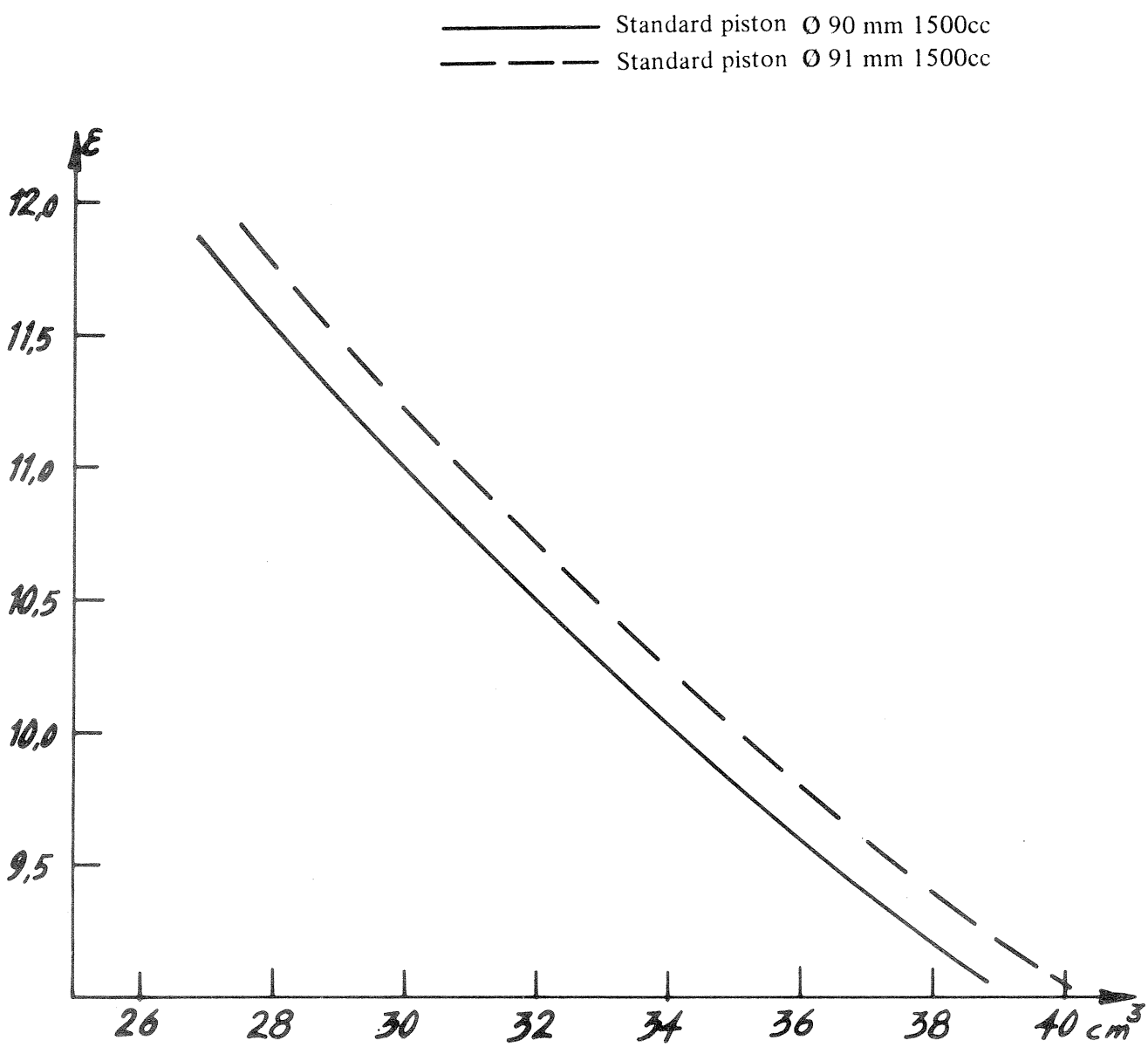


Fitting separate valve guides

Cut the remaning part of the old guide. See drawing below. Chamfer the guide. After lubricating press it down.

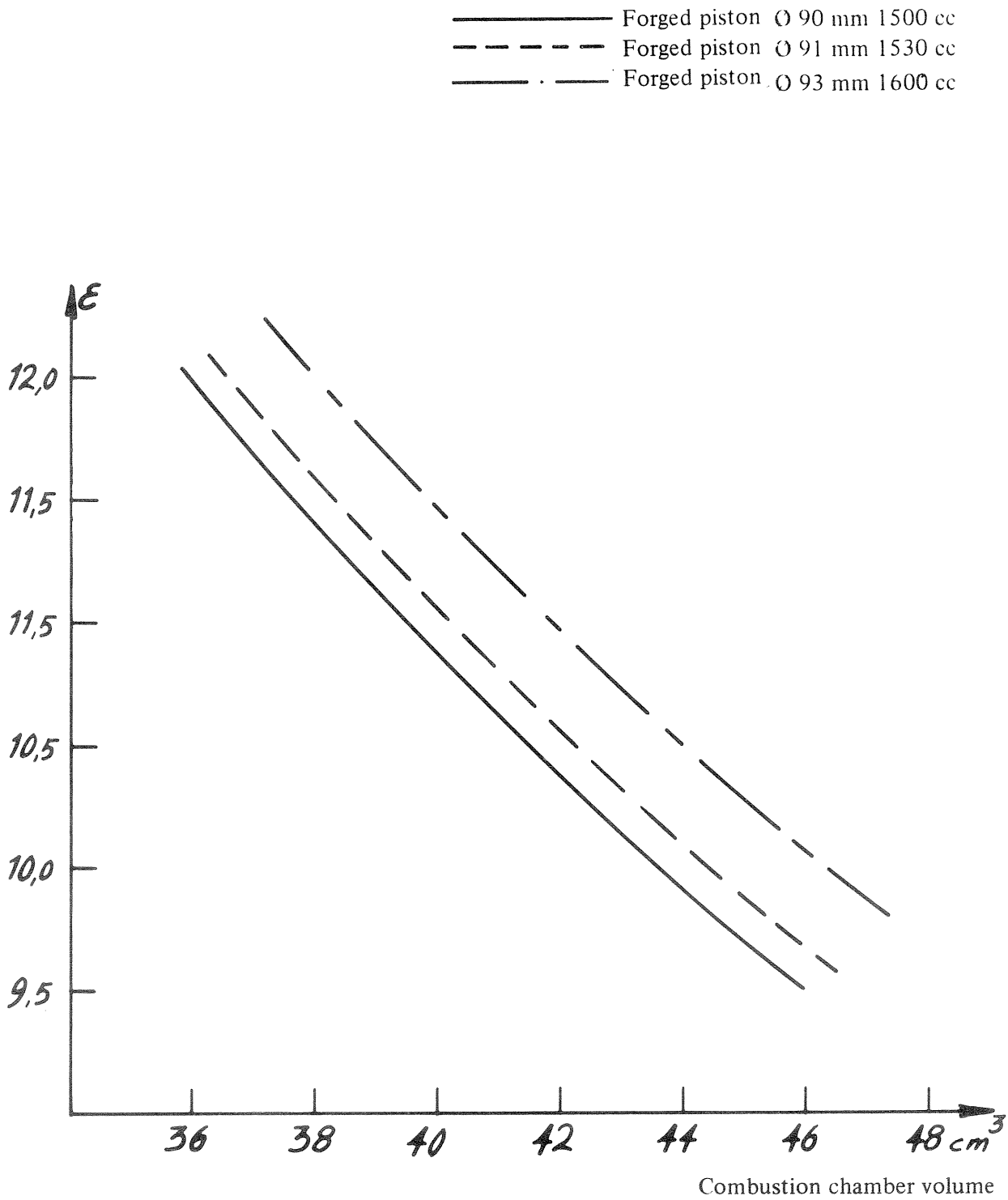


Compression ratio as a function of combustion chamber volume



Combustion chamber volume

Compression ratio as a function of combustion chamber volume



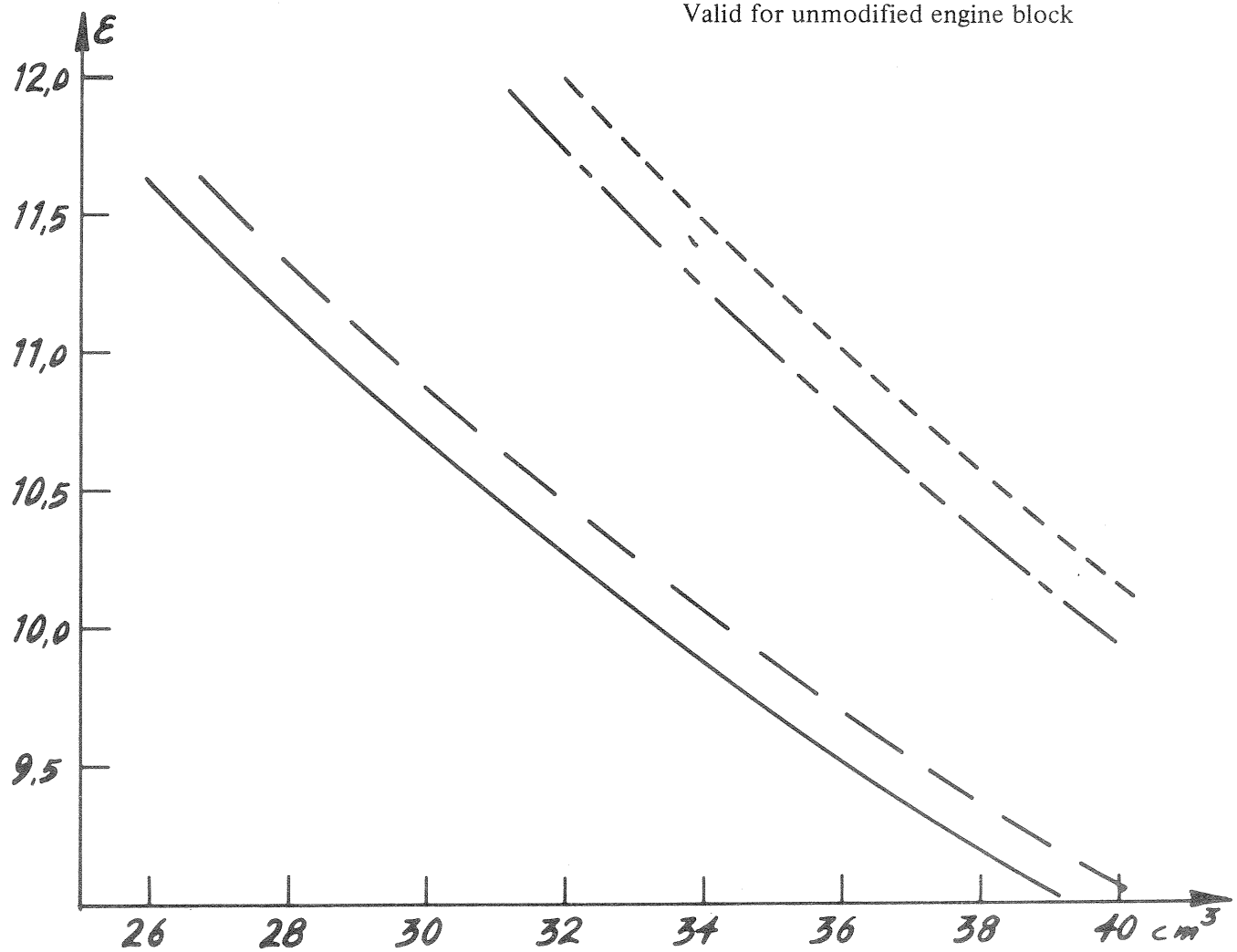
Compression ratio as a function of combustion chamber volume

Standard piston Ø 90 mm 1700 cc (HC-piston)
Standard piston Ø 901 mm 1740 cc (HC-piston)

Valid for milled engine block (1 mm)

Standard piston Ø 90 mm 1700 cc (HC-piston)
Standard piston Ø 91 mm 1740 cc (HC-piston)

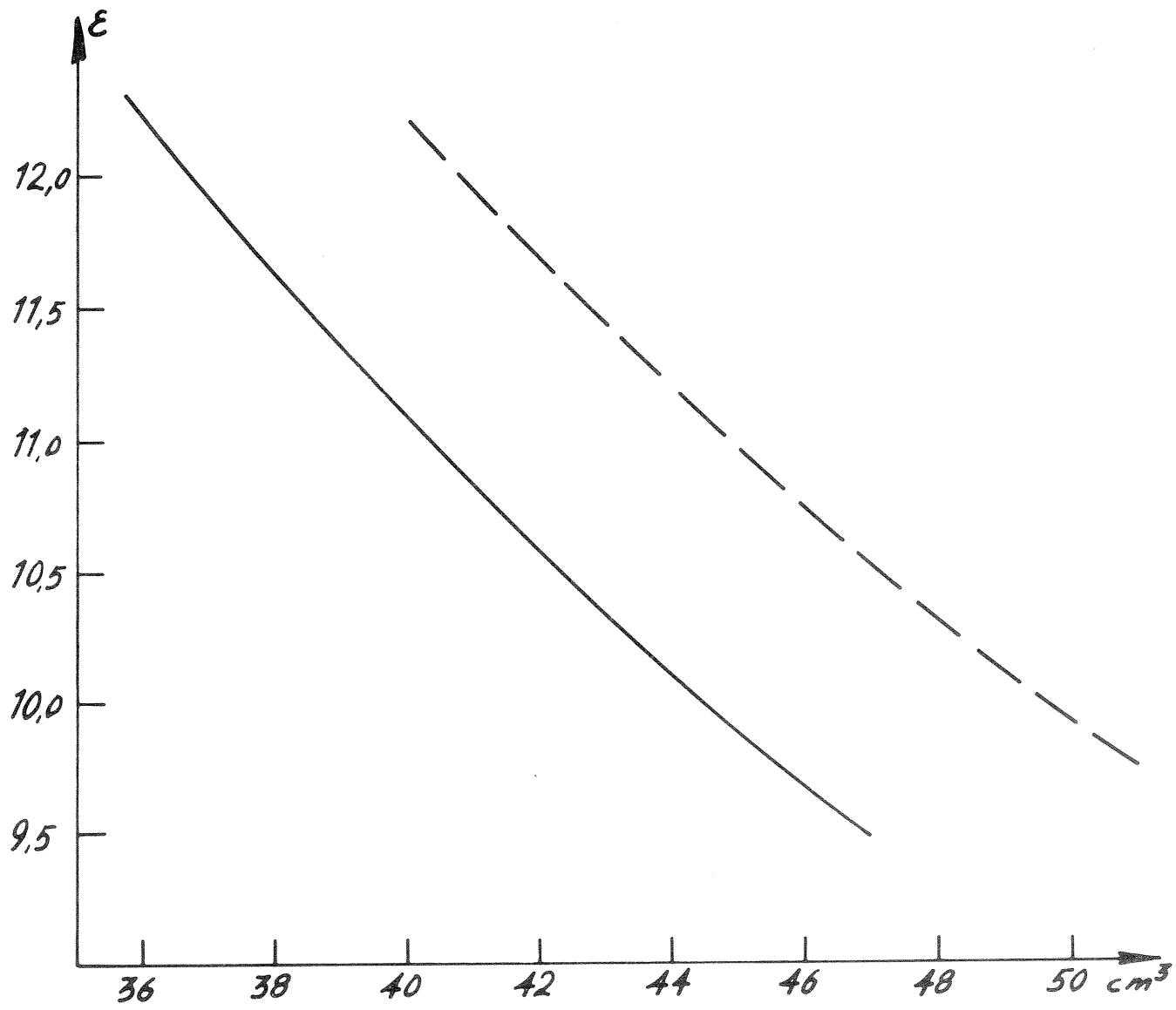
Valid for unmodified engine block



Combustion chamber volume

Compression ratio as a function of combustion chamber volume

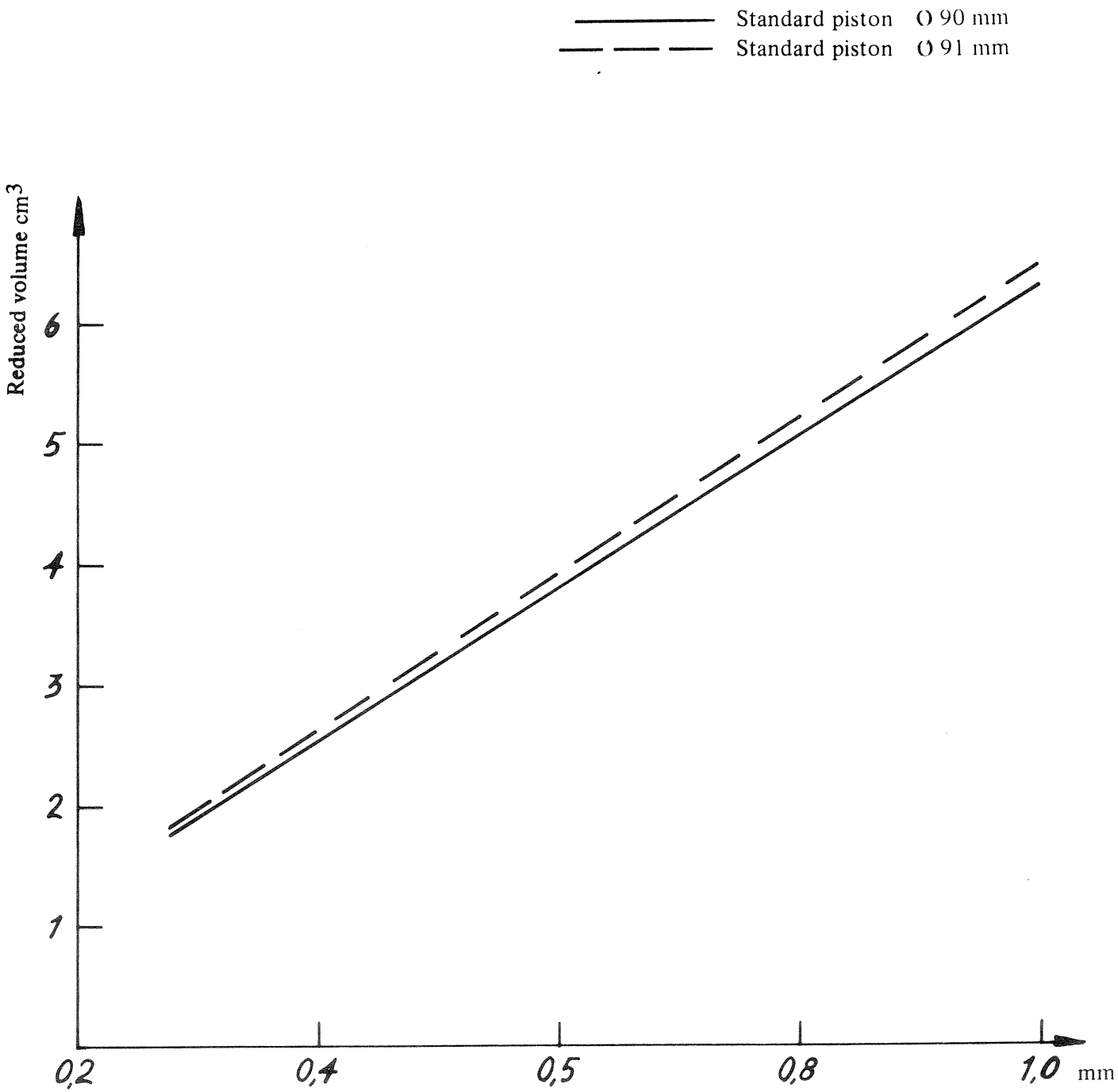
Forged piston (no 1003) 1530 cc h = 3 mm
Forged piston (no 1004) 1740 cc h = 2,8 mm



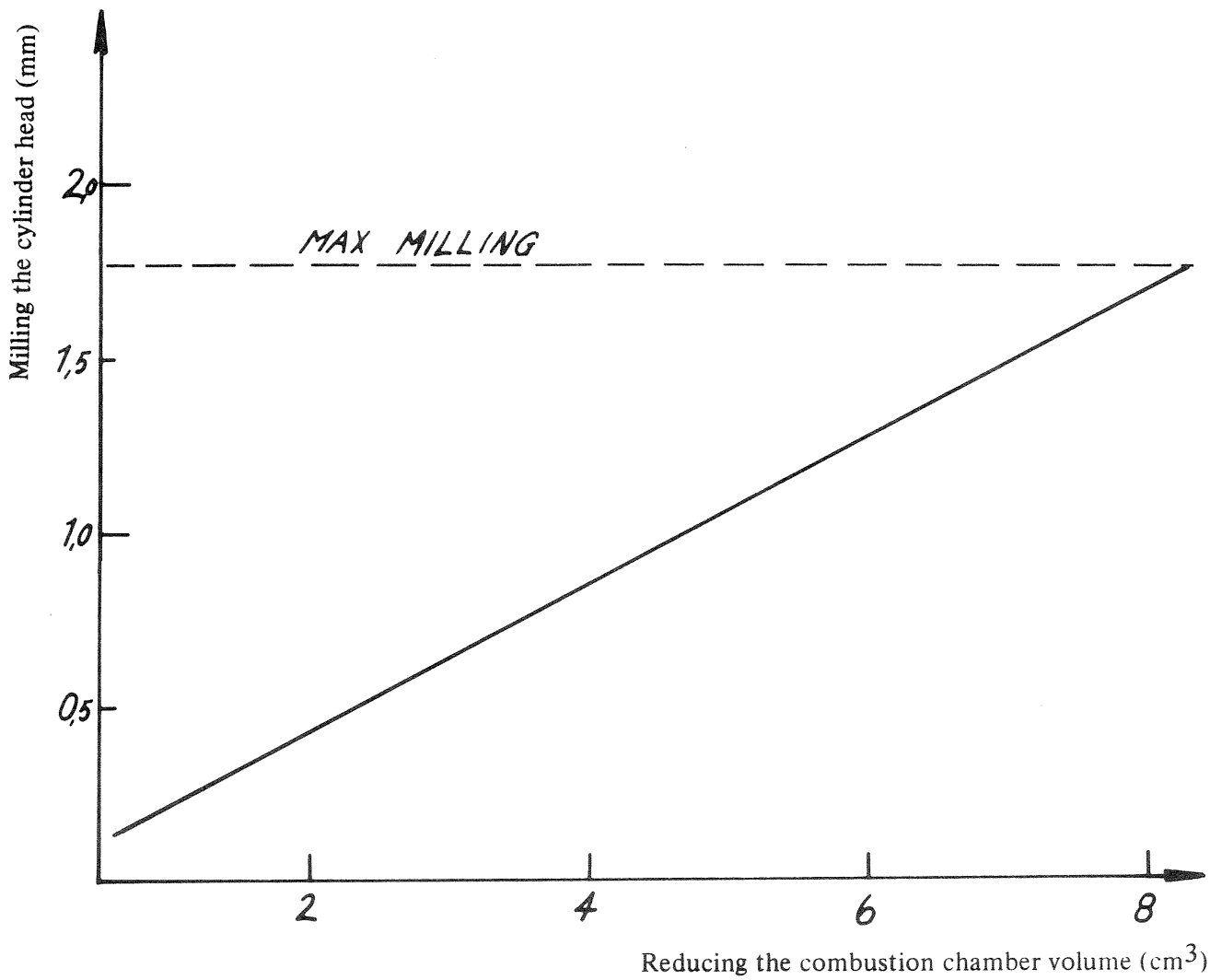
Combustion chamber volume

Reduced volume as a funktion of engine block milling

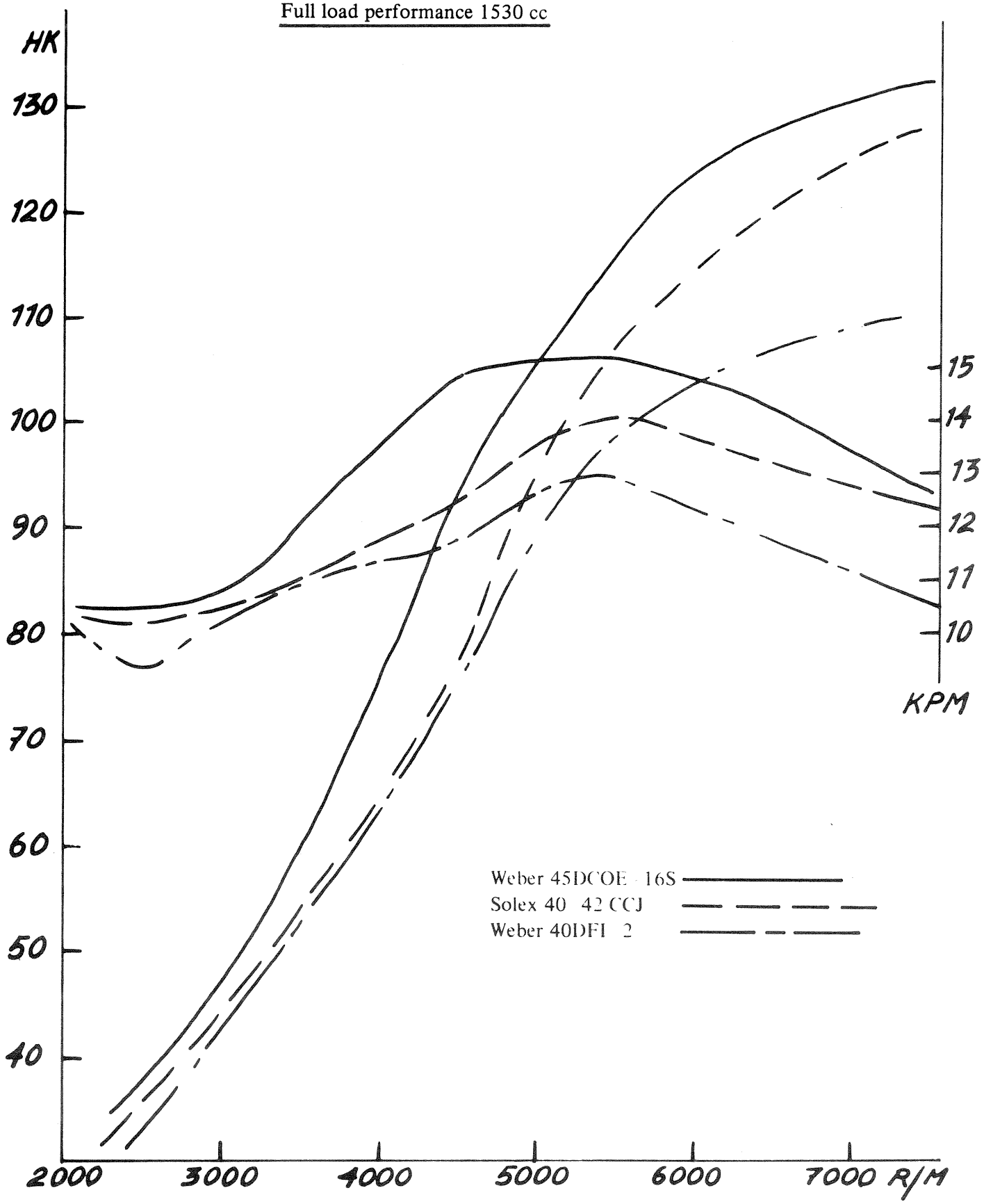
Valid 1700 cc engine with standard HC-pistons.

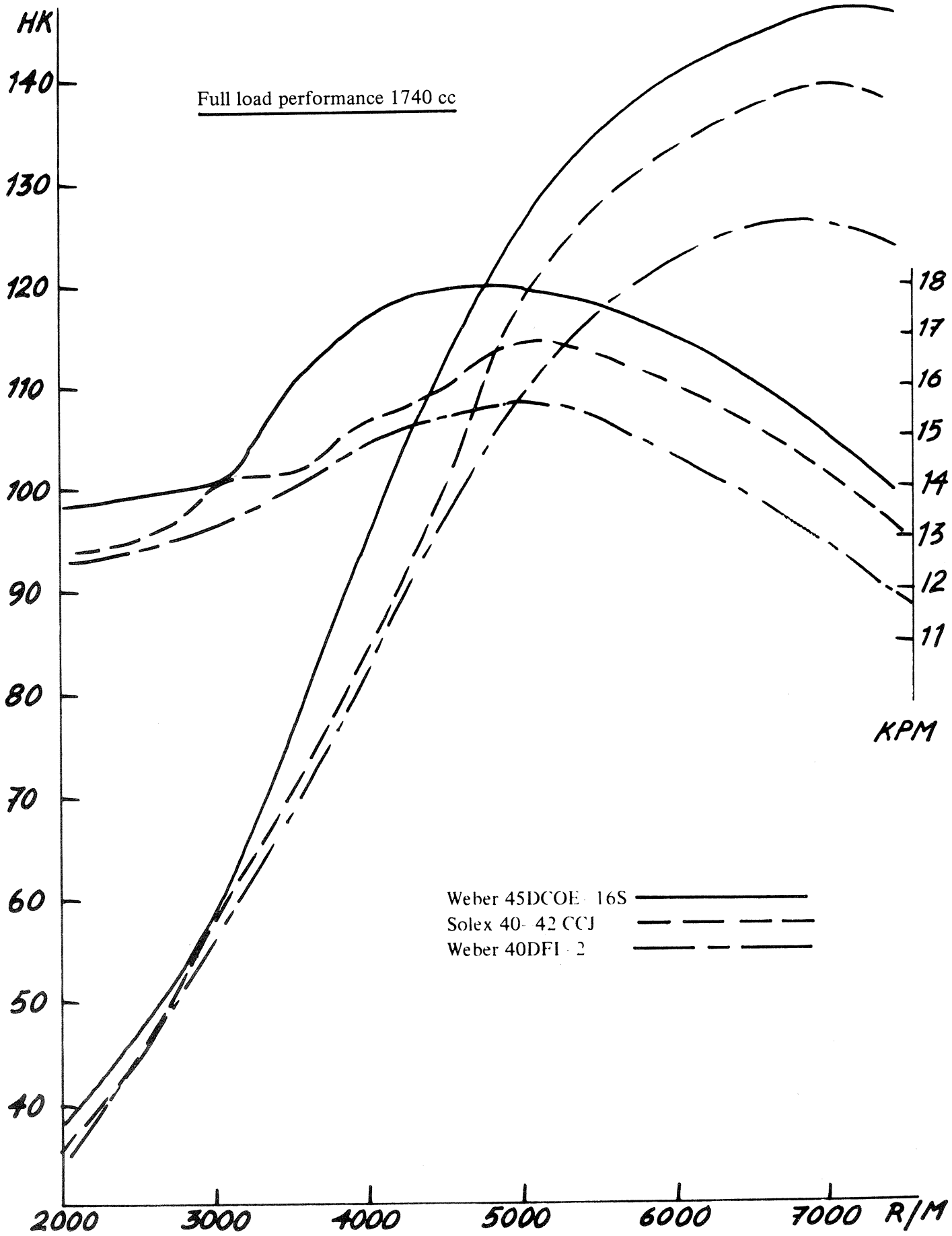


Reducing the combustion chamber volume through milling the cylinder head



Full load performance 1530 cc





Installation instruction – Carburetor kit no. 1160 Weber 40 DFI

Preparations

The ports in the intake manifold should be ground to the same dimensions as those of the cylinder heads by means of a rotating cutter or file. There should not be any sharp corners or mismatch between the ports in the intake manifold and in the cylinder head. The passages in the intake manifold should be ground similarly and then polished with an emery cloth.

The intermediate flange should be fastened with screws to the inlet manifold in its final mounting position. All sharp passages down to the central longitudinal passage in the inlet manifold should be rounded off.

Carburetor Weber 40 DFI-2 is delivered with fixed venturis of 28 mm diameter. In order to get maximum performance these ought to be turned or bored to a 32 mm diameter. The remaining sharp edges should be rounded to form a smooth contour.

Installation instructions

The gasket between the intake manifold and the cylinder head is to be fastened with gasket cement to the intake manifold in its final position. Excess material around the ports should be cut away. The temperature indicator and nipple for water inlet to the heater must be moved from the standard intake manifold to the new intake manifold before it is mounted on the engine. When the valve covers have been installed, the carburetor mounting studs are to be screwed down into the carburetor mounting flange. The valve for crankcase ventilation (PCV valve) is to be mounted on the spacer flange in such a way that it is pointing straight up on the right-hand side of the carburetor; the nipple for the vacuum servo is mounted horizontally forward to the left side of the carburetor.

The spacer flange is to be mounted with gaskets meant for this purpose on each side of it. After that the carburetor is installed on the intake manifold. Install the bracket for the carburetor linkage under the rear right side nut. The rear mounting hole for the carburetor linkage should be drilled in the heater cover about 85 mm to the right and 55 mm above the standard rear holder for the carburetor linkage. The standard bearing is to be moved to the hole which shall have a diameter of 14 mm. Now install the complete carburetor linkage assembly.

Throttle linkage arrangement

Clamp the fuel line to the fuel inlet nipple on the carburetor. Then install the air cleaner. Connect the hoses for the crankcase ventilation from left valve cover to the valve in the specer flange and from right valve cover the flame protection cover in the air cleaner.

Jet setting	Standard	Modified
Venturi	28	32
Emulsion jet	160	160
Main jet	190	220
Air correction jet	60	60

Float level

5 mm

Check the float level as follows: Remove the carburetor cover and hold it with the fuel inlet in vertical position with the float resting against the needle valve. The distance between the float and the gasket should 5 mm. Adjust by bending the arm, if necessary.

Idle Adjustments

Check the idling speed with the engine warm and adjust CO level to 2.5 %. If you have no CO meter, adjust best possible idel with mixture screws.

IN 17941

Installation instructions for the tuning kit, part no. 1124, in Saab V4 96 (with modifications of the exhaust system; also in the Saab V4 95)

The tuning kit, part no. 1124, without modifications can be installed on all blue and black engines; i.e., from the 1968 model year onwards (from chassis no. 487639). After some modifications it can also be installed on grey engines (up to and including chassis no. 487638).

The modification consists of the following steps:

1500 cc

1. Installation of a new induction system.
2. Installation of a new camshaft and stiffer valve springs.
3. Installation of a new exhaust system.

The parts contained in the kit can be found in Enclosure No. 1 and engine tuning specifications in Enclosure No. 2. Installation of the tuning kit on the 1500 cc engine can be done with the engine in the car. For the 1700 cc modification the engine has to be removed.

For engine rebuilding see the instructions in "Saab V4 Service Manual". pages 215-4 to 215-7. If the tuning kit should be installed on engines used more than 12,000 miles (20.000 km), the camshaft and balance shaft gear tolerances have to be checked before the camshaft is removed. A steel balance shaft gear is recommended.

The valves and valve seats should be checked and, if necessary, also regrinded when the new valve springs are installed. The valve lifter condition should be checked when the camshaft is changed. It is important that the base area is free from scratches and damages.

Torque all nuts and screws according to the "V4 Service Manual". At the installation of the new intake manifold, the following parts from the old manifold should be used:

1. Thermostat housing cover and thermostat
2. Water tempefature transmitter
3. Connector for water hose fram intake manifold to heater
4. The manifold bolts and studs. If the engine is a model 1969 or later, the two middle bolts have to be exchanged with the two bolts in the kit.

A spacer plate is installed between the carburetor and the intake manifold. It has connections for power brake and crankcase ventilation hoses. The crankcase ventilation connector should be connected to the left valve cover. If the car does not have power brakes, the connector should be plugged. The hose from the by-pass tube and the thermostat housing in the carburetor has to be replaced with the hose in the kit which should be cut to 310 mm before installation. Fuel hose connections at the carburetor and the pump should be clamped.

THROTTLE LINKAGE

Install the shaft, part number 1134 in the kit, on the manifold the same way as the standard installation. Install the short link between the shafts front lever and the carburetor. When the throttle linkage has been installed, check that a full throttle opening is obtained when the throttle pedal is depressed. If not, the throttle linkage has to be adjusted accordingly.

EXHAUST SYSTEM

The following parts are included in the new system:
Right and left front pipe
"Y" connection
Front muffler
Rear Pipe
Resonator

All necessary hardware for installation of the system is included.

Frist connect the two front pipes to the exhaust ports, but do not tighten the bolts. The distance between the pipe and the front edge of the hole in the engine floor should be 15 – 20 mm.

The "Y" connection should be installed with the longer branch towards cylinder 3 and 4 in line with the front muffler and centered in the recess in the car floor. Now the exhaust bolts should be tightened.

With the remaining exhaust system suspended, the rear pipe should be jacked up directly behind the front muffler so the clearance between the front muffler and the floor is approximately 15 mm. Install the resonator in the normal position and then tighten the clamps starting in front.

IN 17940

Next, the holes for the front mufflers rubber cushions are drilled and the cushions installed.

With the exhaust system fully suspended and hanging free without support, it should be checked that the clearance between the floor and the left part of the "Y" connection is 20 – 30 mm. If it is less, bend it out with a bar between the front pipe in the muffler and the car floor. Check that none of the rubber cushions have been stressed too much. If necessary, bend the muffler clamps.

ADJUSTMENT

When the installation is completed, start the engine and let it warm up at approcimately 2000 rpm. Check the following:

1. Oil pressure and coolant temperature
2. Oil and water leaks
3. Exhaust system which should not be leaking and not in contact with the body.

When the engine reaches normal operating temperature, the idle should be set using a tachometer and a CO-meter. Adjust the idle to 800 – 900 prm. Adjust the CO-level to 3 – 3,5 % with the mixture screw at the very bottom of the right short side of the carburetor.

Install the air cleaner. Turn the top cover so the air intake is pointed towards spark plug on cylinder number 3 for summer use and behind the heat shield for winter use. If there is no such shield, it should point directly to the exhaust pipe for cylinder number 3 and 4.

1700 cc

The engine displacement is increased with a stroker kit. It contains a new crankshaft and new pistons. The pistons are complete with connecting rods and piston rings. For this modification the engine has to be removed and the directions in the "V4 Service Manual" should be followed.

Install the following bearings:
Outer crankshaft bearing – 881238
Center crankshaft bearing – 881240
Conneting rod bearing – 881121

The 1700 cc modification makes it necessary to also change the pressure plate and the clutch disc. The pressure plate, part number 1052, is identical with the standard one except that the springs are stiffer and marked red. The clutch disc, part number 1053, has also stiffer springs.

At hard acceleration, especially on the 1700 cc version, it might be that vibrations are encountered. They can be prevented by installation of an engine side support kit.

These parts are included in the kit:

Part Description	Quantity	Part Number
Bracket	1	710469
Side Support	1	733239
Bracket	1	717642
Screw	4	794674
Nut	2	791470
Washer	2	791055
Washer	2	791650
Rubber Grommet	1	708563
Spacer	1	710473
Rubber Washer	1	710474

Modified vehicles should have radialtires with dimensions of 155 x 15 or larger.

1700 CC LOW COMPRESSION ENGINE

For cars with 1700 cc LC-engine the installation of the kit is carried out in comfirmity with that for the 1500 cc-engine. Due to the lower C-R the net output will be obout 86 HP.

The power output with the three different stages is:

1500 cc	1700 cc	1700 cc
80 HP (DIN)	86 HP (DIN)	90 HP (DIN)
90 HP (SAE)	96 HP (SAE)	100 HP (SAE)

F.I.A, Recognition N° 5125
Group 1 - Series Prod. Touring

FEDERATION INTERNATIONALE DE L' AUTOMOBILE

Form of recognition in accordance with
Appendix J to the International Sporting Code.

Manufacturer .... SAAB AKTIEBOLAG
Serial N° of chassis 420001
Serial N° of engine 101
Recognition is valid from 1st Nov. 1966

Cylinder-capacity .. 1498 .... cm3 .. 91.4 ... in3
Model ..... SAAB SEDAN V4
Manufacturer ..... SAAB AKTIEBOLAG
Manufacturer ..... FORD COMPANY
List 15/1

The manufacturing of the model described in this recognition form was started on .....1.7... 19 66... and the minimum production of ..5000... identical cars, in accordance with the specifications of this form was reached on .31.9..... 19 66...

Photograph A, 3/4 view of car from front

The vehicle described in this form has been subject to the following amendments:

Variants

on.....19...rec.N°.....List.....
on.....19...rec.N°.....List.....
on.....19...rec.N°.....List.....
on.....19...rec.N°.....List.....
on.....19...rec.N°.....List.....

Normal evolution of the type

on.....19...rec.N°.....List.....
on.....19...rec.N°.....List.....
on.....19...rec.N°.....List.....
on.....19...rec.N°.....List.....
on.....19...rec.N°.....List.....

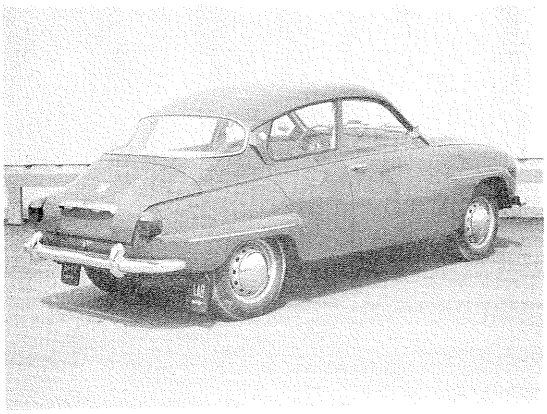
Stamp and signature of the
National Sporting Authority

Stamp and signature of the F.I.A.

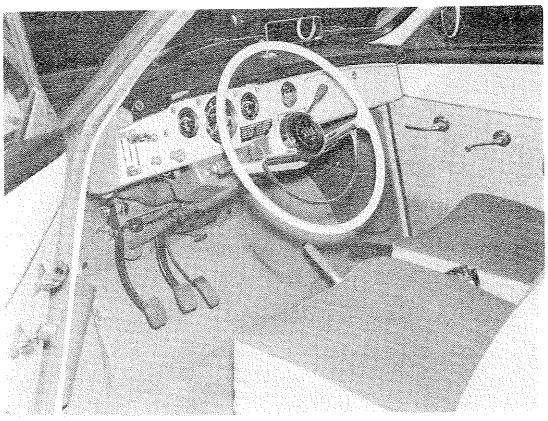
Robert Schmid

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

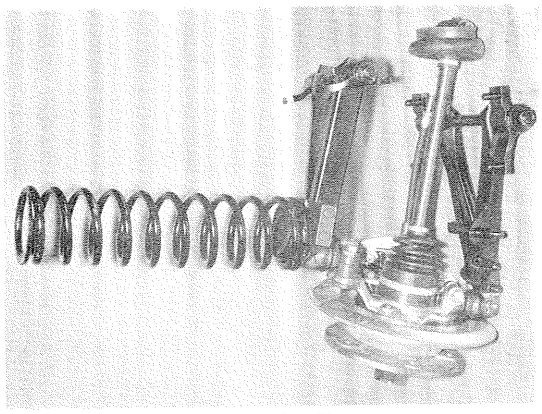
Photograph B



Photograph C



Photograph D



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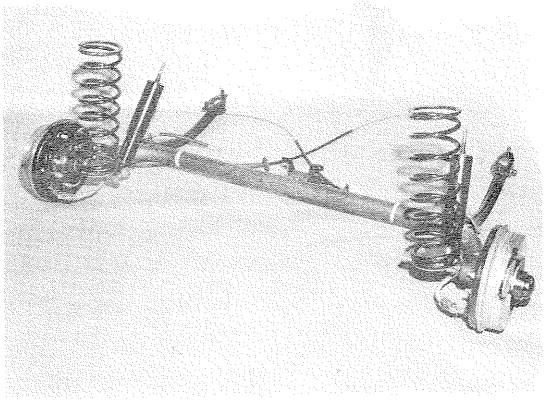
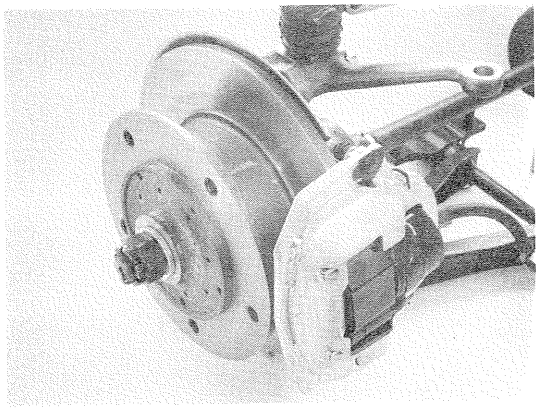
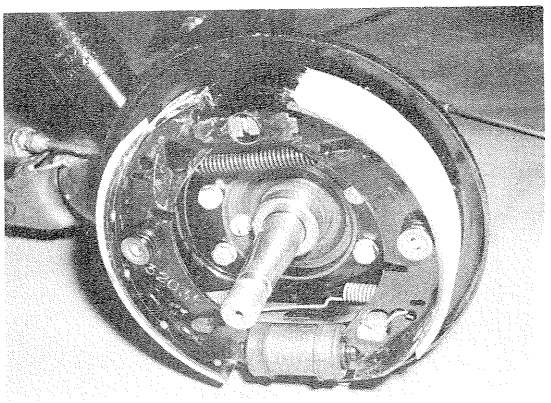


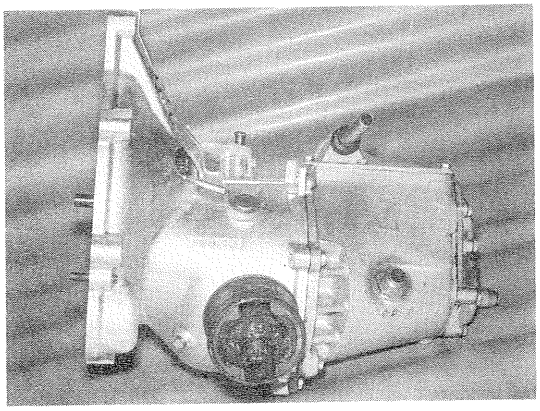
Photograph F



Photograph G

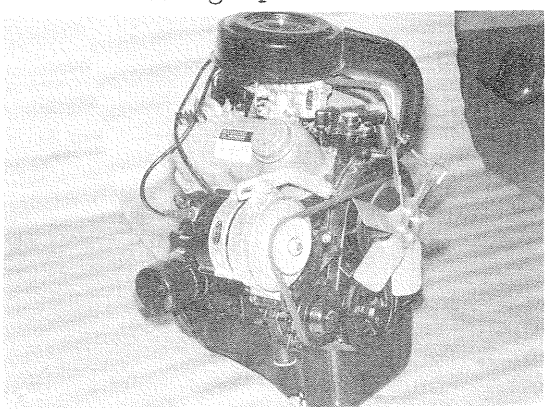


Photograph H

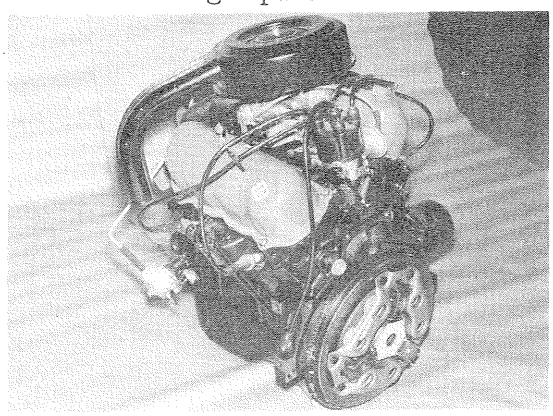


Photograph I

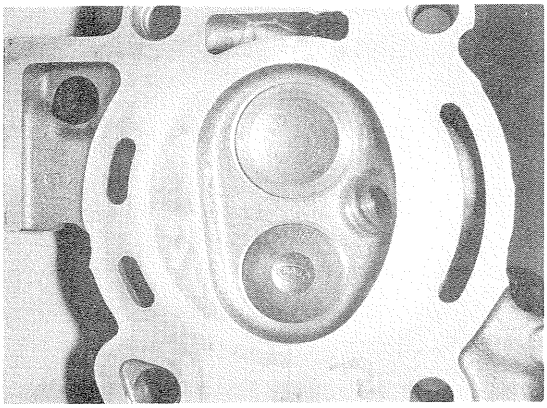
Photograph J



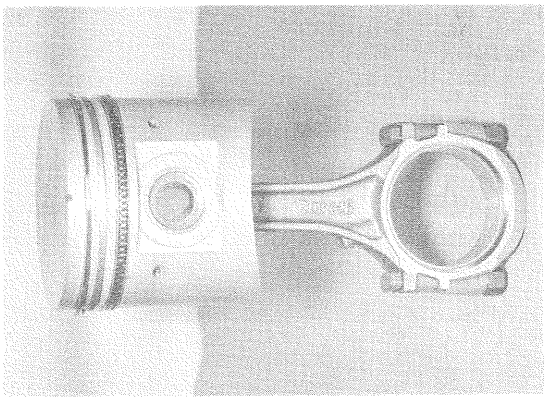
Photograph K



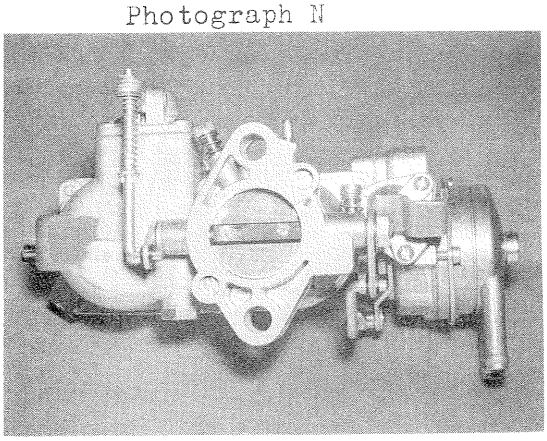
Photograph L



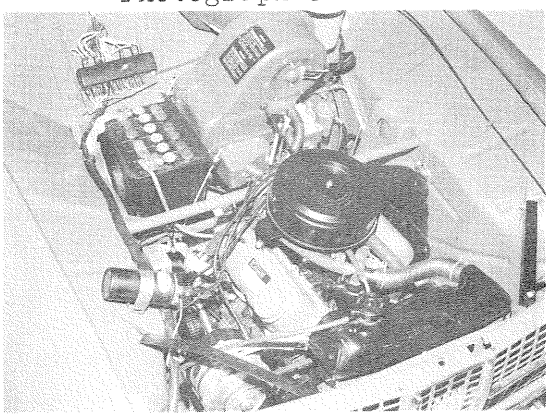
Photograph M



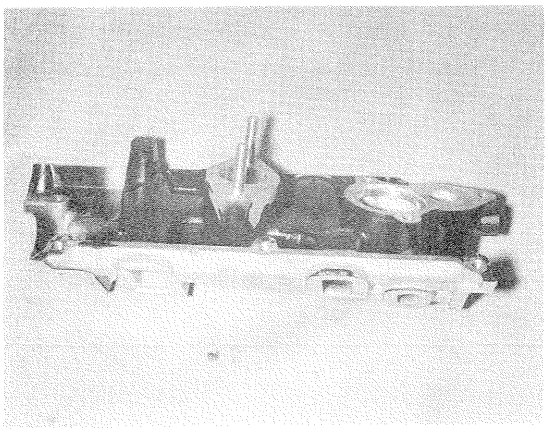
Photograph N



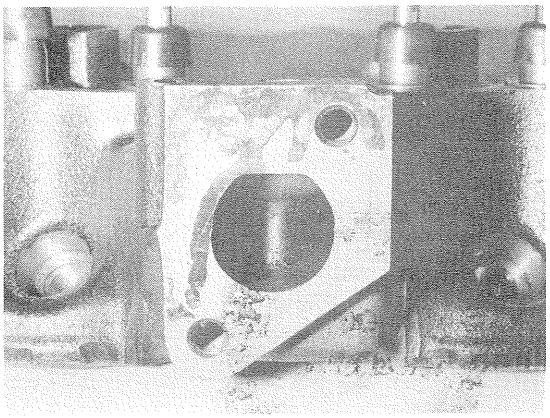
Photograph O



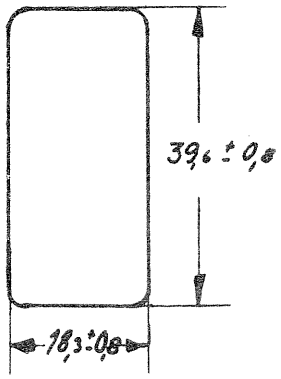
Photograph P



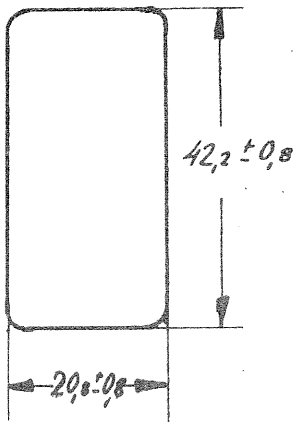
Photograph Q



Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



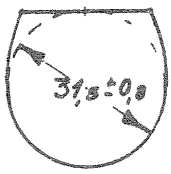
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

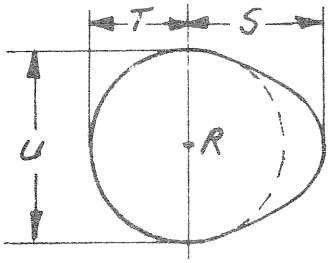


INTEGRAL WITH HEAD

Drawing exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

Drawing of exit to exhaust port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.





R = center of camshaft.

Inlet cam			
S = 20,16-20,43	mm	0,79-0,80	inches
T = 13,77-13,84	mm	0,54-0,55	inches
U = 27,72-27,86	mm	1,09-1,10	inches
Exhaust cam			
S = 20,16-20,43	mm	0,79-0,80	inches
T = 13,77-13,84	mm	0,54-0,55	inches
U = 27,72-27,86	mm	1,09-1,10	inches

Make SAAB Model SEDAN V4 F.I.A. Rec. Nº 5125

IMPORTANT - the underlined items must be stated in two measuring systems, one of which must be the metric system. See conversion table hereafter.

CAPACITIES AND DIMENSIONS

1. Wheelbase	2498	mm	98,35	inches	
2. Front track	1220	mm	48,03	inches[x]	
3. Rear track	1220	mm	48,03	inches[x]	
4. Overall length of the car	417	cm			inches
5. Overall width of the car	158	cm			inches
6. Overall height of the car	147	cm			inches
7. Capacity of fuel tank (reserve included)			40		ltrs
		Gallon US	8,8		Gallon Imp.
8. Seating capacity	5				
9. Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:					
	812	kg	1790	lbs	cwt

[x]) Differences in track caused by the use of other wheels with different rim widths must be stated when recognition is requested for the wheels concerned. Specify ground clearance in relation to the track and give drawing of two easily recognizable points at front and rear at which measurements are taken. These ground clearance dimensions are only for information when checking the track and can in no way affect the eligiblility of the car.

CONVERSION TABLE

1 inch/pouce	-	2.54 cm	1 quart US	-0.9464 ltrs	
1 foot/pied	-	30.4794 cm	1 pint (pt)	-0.568 ltrs	
1 square inch/pouce carré	-	6.452 cm2	1 gallon Imp.	-4.546 ltrs	
1 cubic inch/pouce cube	-	16.387 cm3	1 gallon US	-3.785 ltrs	
1 pound/livre (lb)	-	453.593 gr	1 hundredweight (cwt)	-50.802 kg	

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction : separate / unitary construction

21. Unitary construction, material(s) PRESSED STEEL SHEET

Separate construction

22. Material(s) of chassis

23. Material(s) of coachwork PRESSED STEEL SHEET

24. Number of doors 2 Material(s) -"-

25. Material(s) of bonnet -"-

26. Material(s) of boot lid -"-

27. Material of rear-window GLASS

28. Material(s) of windscreen -"-

29. Material(s) of front-door windows -"-

30. Material(s) of rear-door windows

31. Sliding System of door windows WHEEL AND LEVER MECHANISM

32. Material(s) of rear-quarter light GLASS

ACCESSORIES AND UPHOLSTERY

38. Interior heating : yes - no 39. Air-conditioning : yes - no

40. Ventilation : yes - no

41. Front seats, type of upholstery CLOTH AND GALON

42. Weight of front seat(s), complete with supports and rails, out of the car :

10 kg lbs

43. Rear seats, type of upholstery CLOTH AND GALON

44. Front bumper, material(s) STEEL Weight 5,2 kg lbs

45. Rear bumper, material(s) STEEL Weight 5,4 kg lbs

WHEELS

50. Type DISC

51. Weight (per wheel, without tyre) 6 kg lbs

52. Method of attachment BOLTED TO DRUM

53. Rim diameter 381 mm 15 inches

54. Rim width 101,6 mm 4 inches

STEERING

60. Type RACK AND PINION

61. Servo-assistance : yes - no

62. Number of turns of steering wheel from lock to lock 3 1/4

63. In case of servo-assistance

Make SAAB Model SEDAN V4 F.I.A. Rec. N° 5125

SUSPENSION

70.Front suspension (photogr. D), type INDEPENDENT

71.Type of spring COIL SPRING

72.Stabiliser (if fitted)

73.Number of shockabsorbers 2 74.Type TELESCOPIC

78.Rear suspension (photogr. E), type U-SHAPED RIGID BACKAXLE

79.Type of spring COIL SPRING

80.Stabiliser (if fitted)

81.Number of shockabsorbers 2 82.Type TELESCOPIC

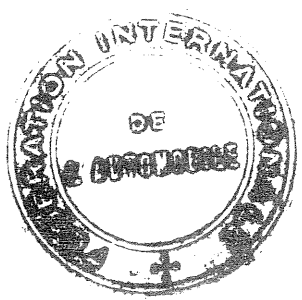
BRAKES (photographs F and G)

90.Method of operation HYDRAULIC SYSTEM

91.Servo-assistance (if fitted), type

92.Number of hydraulic master cylinders 1 TANDEM TYPE

	FRONT			REAR		
93.Number of cylinders per wheel	1			1		
94.Bore of wheel cylinder(s)	50,8	mm	in	15,9	mm	in.
Drum brakes						
95.Inside diameter		mm	in	203	mm	in.
96.Length of brake linings		mm	in	196	mm	in.
97.Width of brake linings		mm	in	37	mm	in.
98.Number of shoes per brake				2		
99.Total area per brake		mm2	sq.in.	14500	mm2	sq.in
Disc brakes						
100.Outside diameter	267	mm	in		mm	in.
101.Thickness of disc	9,6	mm	in		mm	in.
102.Length of brake linings	93	mm	in		mm	in.
103.Width of brake linings	42	mm	in		mm	in.
104.Number of pads per brake	2					
105.Total area per brake	6500	mm2	sq.in.		mm2	sq.in



ENGINE (photographs J and K)

130. Cycle FOUR STROKE 131. Number of cylinders 4

132. Cylinder arrangement V-FORM

133. Bore 90,0 mm 3,54 in. 134. Stroke 58,9 mm 2,32 in.

135. Capacity per cylinder 375 cm3 22,9 cu.in

136. Total cylinder capacity 1498 cm3 91,4 cu.in.

137. Material(s) of cylinder block CAST IRON

138. Material(s) of sleeves (if fitted)

139. Cylinder head, material(s) CAST IRON Number fitted 2

140. Number of inlet ports 4 141. Number of exhaust ports 2

142. Compression ratio 8,6-9,4:1

143. Volume of one combustion chamber 40,22-38,22 cm3 cu.in.

144. Piston, material ALUMINIUM ALLOY 145. Number of rings 3

146. Distance from gudgeon pin centre line to highest point of piston crown
45,4-45,5 mm inches

147. Crankshaft: moulded/stamped 148. Type of crankshaft: integral/cast with balance weights

149. Number of crankshaft main bearings 3

150. Material of bearing cap CAST IRON

151. System of lubrication: dry sump/oil in sump

152. Capacity, lubricant 3,3 ltrs pts quarts US

153. Oil cooler: yes/no 154. Method of engine cooling WATER COOLING

155. Capacity of cooling system 7,5 ltrs pints quarts US

156. Cooling fan (if fitted), dia 25,5 cm inches

157. Number of blades of cooling fan 6

Bearings

158. Crankshaft main, type SHELL BEARING Dia. 57,0 mm in.

159. Connecting rod, big end type -"- Dia. 54,0 mm in.

Weights

160. Flywheel (clean) 6,5-7,3 kg lbs

161. Flywheel with clutch (all turning parts) 10,2-11,1 kg lbs

162. Crankshaft 10,2-11,0 kg lbs

163. Connecting rod including gear SEE 164 kg

164. Piston with rings and pin 1,2 kg
including connecting rod

FOUR STROKE ENGINES

170.Number of camshafts 1 171.Location IN V-CENTER

172.Type of camshaft drive WHEEL GEAR

173.Type of valve operation PUSH ROD

INLET (see page 4)[x]

180.Material(s) of inlet manifold ALUMINIUM ALLOY

181.Diameter of valves 37,1-37,5 mm 1,46-1,48 inches

182.Max. valve lift 9,77 mm 0,38 in. 183.Number of valve springs 1

184.Type of spring COIL SPRING 185.Number of valves per cylinder 1

186.Tappet clearance for checking timing (cold) 0,40-0,45 mm inches

187.Valves open at (with tolerance for tappet clearance indicated) 21° B.T.D.C.

188.Valves close at (with tolerance for tappet clearance indicated) 82° A.B.D.C.

189.Air filter, type DRY FILTER CARTRIDGE

EXHAUST (see page 4)

195.Material(s) of exhaust manifold CAST IRON

196.Diameter of valves 32,0-32,4 mm 1,26-1,28 inches

197.Max. valve lift 9,77 mm 0,38 in. 198.Number of valve springs 1

199.Type of spring COIL SPRING 200.Number of valves per cylinder 1

201.Tappet clearance for checking timing (cold) 0,40-0,45 mm inches

202.Valves open at (with tolerance for tappet clearance indicated) 63° B.B.D.C.

203.Valves close at (with tolerance for tappet clearance indicated) 40° A.T.D.C.

CARBURETION (photograph N)

210.Number of carburettors fitted 1 211.Type DOWNDRAUGHT

212.Make SOLEX 213.Model 28-32 PDSIT 7

214.Number of mixture passages per carburettor 1

215.Flange hole diameter of exit port(s) of carburettor 32 mm inches

216.Minimum diameter of venturi/minimum diam. with piston at maximum height 25,5 mm inches

INJECTION (if fitted)

220.Make of pump 221.Number of plungers

222.Model or type of pump 223.Total Number of injectors

224.Location of injectors

225.Minimum diameter of inlet pipe mm or inches

---

[x]) for additional information concerning two-stroke engines and super-charged engines see page 13.

ENGINE ACCESSORIES

230.Fuel pump : mechanical ~~and~~/or electric 231.No fitted 1

232.Type of ignition system COIL, DISTRIBUTOR 233.N° of distributors 1

234.N° of ignition coils 1 235.N° of spark plugs per cylinder 1

236.Generator, number fitted 1 237.Method of drive V-BELT

238.Voltage of generator Alternator 12 volts 239.Battery, number 1

240.Location ENGINE COMPARTMENT

241.Voltage of battery 12 volts

ENGINE AND CAR PERFORMANCES (as declared by manufacturer in catalogue)

250.Max.engine output 65 (type of horsepower: DIN) at 4700 rpm

251.Maximum rpm 5500 output at that figure 61

252.Maximum torque 11,7 KPM at 2500 rpm

253.Maximum speed of the car 146 km/hour 91 miles/hour

Make SAAB Model SEDAN V4 F.I.A. Rec.N° 5125

DRIVE TRAIN

CLUTCH

260.Type of clutch DRY PLATE 261.N° of plates 1

262.Dia. of clutch plates 19,0 cm inches

263.Dia. of linings, inside 12,5 cm inches outside 18-19cm in.

264.Method of operating clutch HYDRAULIC

GEAR BOX (photograph H)

270.Manual type, make SAAB

271.N° of gear-box ratios forward 4 272.Syncronized forward ratios 4

273.Location of gear shift ON STEERING COLUMN

274.Automatic, make type

275.N° of forward ratios 276.Location of gear-shift

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	N° teeth	Ratio	N° teeth	Ratio	N° teeth	Ratio	N° teeth
1	3,48	35-27-31-21-40-22			3,14	35-27-31-21-41-25		
2	2,09	31-37-27-40-22			1,86	34-37-30-41-25		
3	1,30	35-27			1,30	35-27		
4	0,84	31-37			0,92	34-37		
5								
6								
reverse	3,18	35-20-40-22			2,87	35-20-41-25		

278.Overdrive, type

279.Forward gears on which overdrive can be selected

280.Overdrive ratio

FINAL DRIVE

290.Type of final drive BEVEL GEAR (PINION - CROWN WHEEL)

291.Type of differential DIFFERENTIAL BEVEL GEAR

292.Type of limited slip differential (if fitted)

293.Final drive ratio 5,14 4,88

Number of teeth 7:36 8:39

IMPORTANT - The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 184, 186, 187, 188, 189, 199, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253 and photographs I, M and N.

During the scrutineering of cars entered in group 4 (Sportcars) only the following items of the present recognition form are to be taken into consideration: 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 and photographs A, B, D, E, F, G, H, J, K and O.

Optional equipement affecting preceeding information. This to be stated together with reference number.

(72) TRANSVERSE TORSION BAR STABILIZER 707638

TWO STROKE ENGINES

300.System of cylinder scavenging

301.Type of lubrication

302.Inlet ports, length measured around cylinder wall mm inches

303.Height inlet port mm in304.Area mm2 sq.in.

305.Exhaust ports, length measured around cylinder wall mm inches

306.Height exhaust port mm in307.Area mm2 sq.in.

308.Transfer port, length measured around cylinder wall mm inches

309.Height transfer port mm in310.Area mm2 sq.in.

311.Piston ports, length measured around piston mm inches

312.Height piston port mm in313.Area mm2 sq.in.

314.Method of precompression

315.Precompression cyl. : yes/no

316.Bore mm in 317.Stroke mm inches

318.Distance from top of cyl. block to highest point of exhaust port :
mm inches

319.Distance from top of cyl. block to lowest point of inlet port :
mm inches

320Distance from top of cyl. block to highest point of transfer port :
mm inches

321.Drawing of cylinder ports.

330.Supercharging - state full details hereafter :

FEDERATION INTERNATIONALE DE L´AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - -

Manufacturer ..... SAAB AKTIEBOLAG ..... Model ..... SAAB SEDAN V4 .....

Chassis ..... 420001 .....

Serial No. inaugurating this extension

Engine ..... 101 .....

Manufacturing date of the first vehicle constructed with the modifications ..... 1.8 ..... 19.66 .....

Commercial denomination of modified model ..... SAAB SEDAN V4 (group 2) .....

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from .../... 19.. 1st Nov. 66

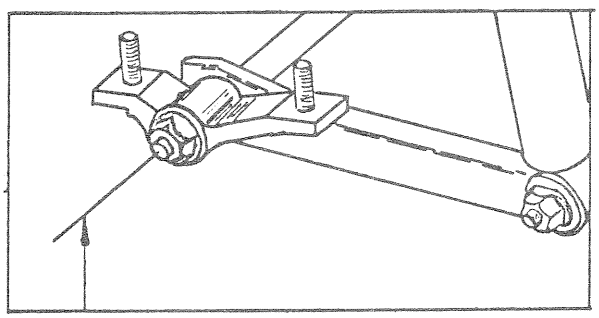
List ..... 15/1 .....

Descriptions of modifications:

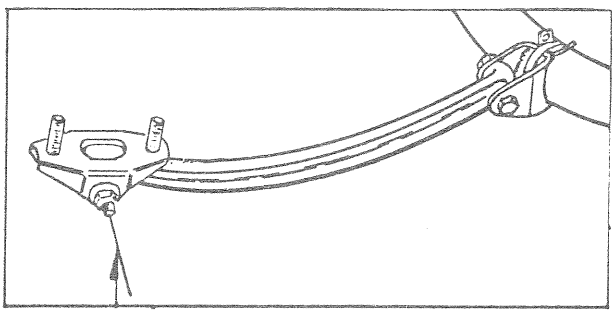
Optional equipment:

Final drive ratio 5,71:1 (7-40)		Not valid when car entered in group 1
Final drive ratio 5,43:1 (7-38)		-"-
Rims 4½ Jx15"	Bolted to drum, weight 7 kg, dia. 381 mm	-"-
70 liter fuel tank	width 114 mm	-"-

With 4½ inch rims - track: 1270 mm



Front: Distance from ground to fixed pivot of lower swinging arm 235 mm



Rear: Distance from ground to fixed pivot of rear link 238 mm

Signature and stamp of the National Sporting Authority:

Signature and stamp of the F.I.A:

F.I.A. Recognition No. 5125 C.I.V.

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - - -

Manufacturer SAAB

Model Sedan V4

Chassis 420001

Serial No. inaugurating this extension

Engine 101

Manufacturing date of the first vehicle constructed with the modifications 1.4. 19 67

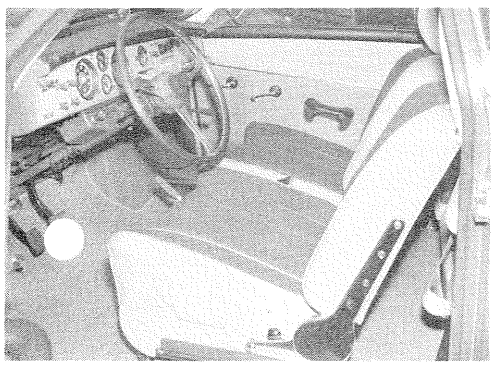
This extension of recognition is considered: variation - normal development of original vehicle type

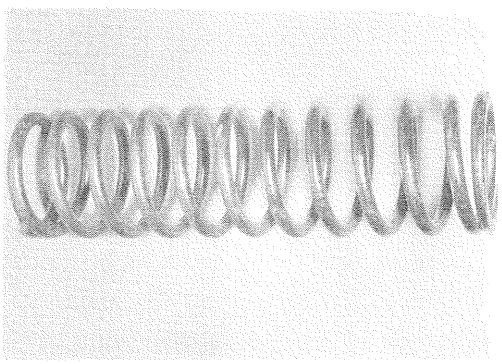
Recognition is valid from 1.11.7. 19 67

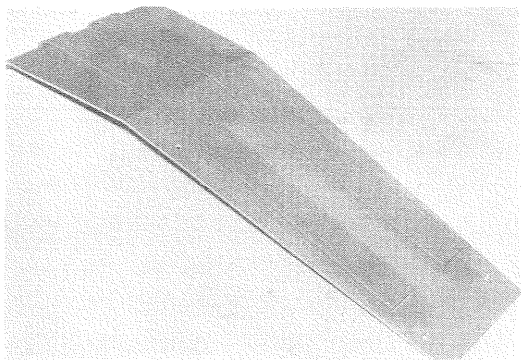
List 16/4

Descriptions of modifications:

Rear ventilation quarter lights
Seats and upholstery de luxe Type: Cloth and galon, weight of front seat: 19 kg
Dash board with revcounter
Woodrimmed steering wheel







Front springs (see picture)
Protection plate (see picture) Length: 108 (112) cm. Width: 21/40 cm.

Group 2 only

Final drive ratio 5,83:1 (6 - 35) Not valid when car entered in group 1

Signature and stamp of the National Sporting Authority:

Signature and stamp of the F.I.A.

F.I.A. Recognition No...5125...[redacted]

4/4V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - - - -

Manufacturer .....SAAB..... **Model** .....Sedan V4.....

Serial No. inaugurating this extension Chassis ....420001.....
Engine ....101.....

Manufacturing date of the first vehicle constructed with the modifications .....1/8.....19....67

Commercial denomination of modified model .....SAAB Sedan V4 (Group 2).....

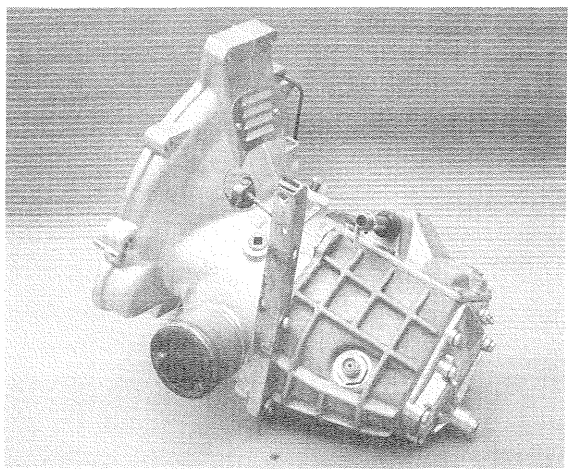
This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from .14./.Jan.1968. **List** ..1968./.1.....

Descriptions of modifications:

Limited slip differential. Type: Cam and pawl princip

Gear box housing (see photo).



Gear set:

Manual

	Ratio	No. of teeth
1	2,64	31-26-33-21-38-27
2	1.60	34-37-30-38-27
3	1,19	31-26
4	0,92	34-37
Reverse	2,08	31-21-38-27

The above only valid when car entered in group 2.

Signature and stamp of the National Sporting Authority:

KAK

Signature and stamp of the F.I.A:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

F.I.A. Recognition No. 5125

5/1E

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - -

Manufacturer .....SAAB..... Model .....Sedan V4.....

Chassis ....470001.....

Serial No. inaugurating this extension Engine ....101.....

Manufacturing date of the first vehicle constructed with the modifications .....1/8.....19.67.

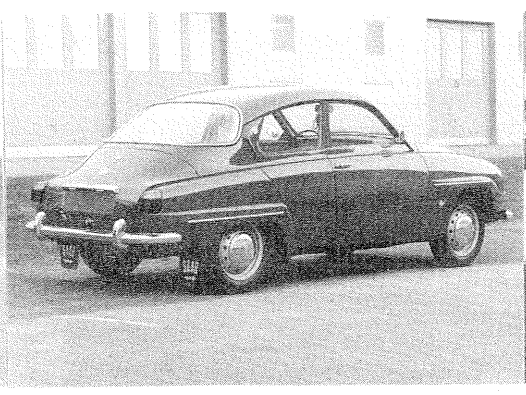
Commercial denomination of modified model .....SAAB Sedan V4.....

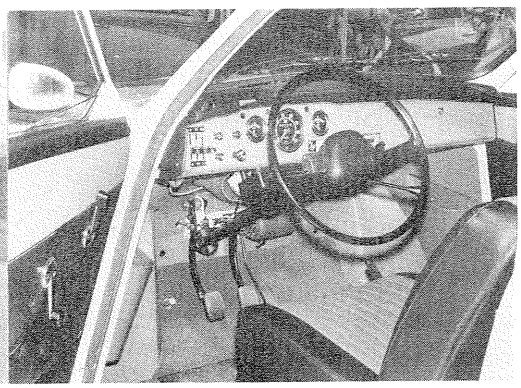
This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from 1.1./ja.1968 List ....1968/1.....

Descriptions of modifications:

Higher windscreen	Material: Laminated glass	(see photo)
Higher rear window	Material: Glass	(" ")
Interior coachwork		(" ")





Signature and stamp of the National Sporting Authority:

KAK

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

F.I.A. Recognition No. 5125 6/5V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - - -

Manufacturer SAAB Model Sedan V4

Serial No. inaugurating this extension: Chassis 420001, Engine 101

Manufacturing date of the first vehicle constructed with the modifications 1/8 19 67

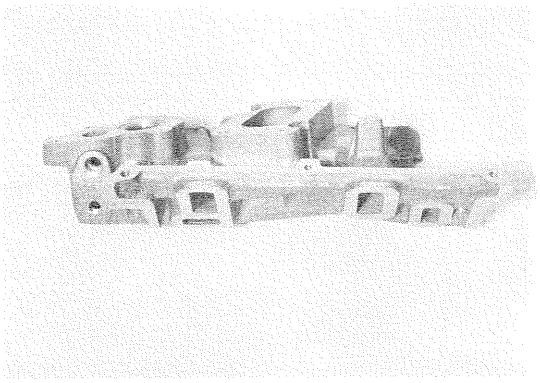
Commercial denomination of modified model SAAB Sedan V4 (group 2)

This extension of recognition is considered: Variation - normal development of original vehicle type

Recognition valid from 1st March 19 68 List 1968/4

Descriptions of modifications:

Inlet manifold (see photo) 425922 Group II only



Signature and stamp of the National Sporting Authority:

Signature and stamp of the F.I.A:

F.I.A. Recognition No. 5125 7/2E

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - -

Manufacturer..... SAAB ..... Model..... SEDAN V4 .....

Serial No. inaugurating this extension — Chassis..... 520001 .....; Engine..... 101 .....

Manufacturing date of the first vehicle constructed with the modification ..... 1/8 .....19..68.....

Commercial denomination of modified model..... SAAB V4 .....

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from..14../.Nov..19.68. List..19.68/10.....

Descriptions of modifications:

New front. See photo.

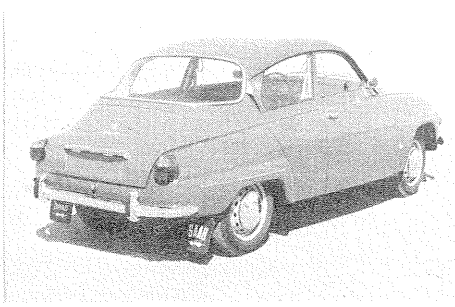
Number of turns of steering wheel from lock to lock: 2 3/4.

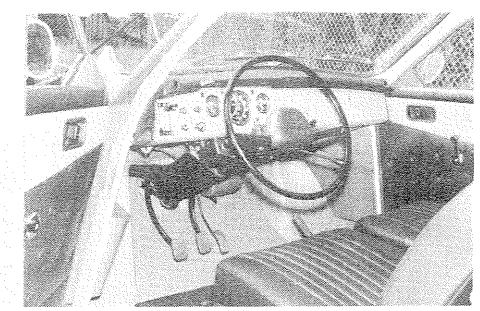
Brakes: Servo assistance. Type: Lockheed type 38.

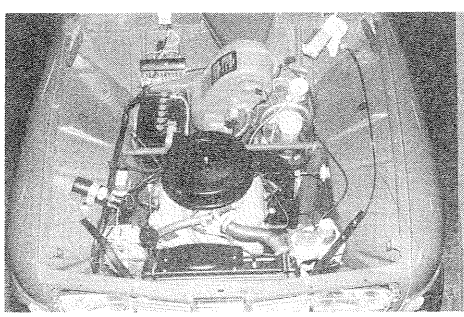
Carburettor make: Autolite. Model: C8GH-9510-G.

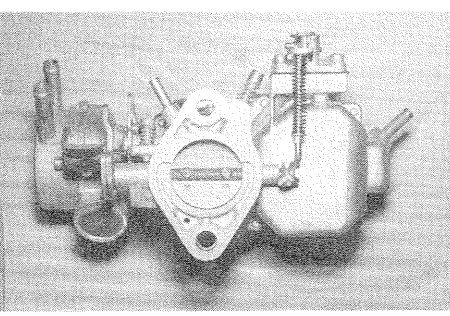
Radiator, capacity: 7 litres.

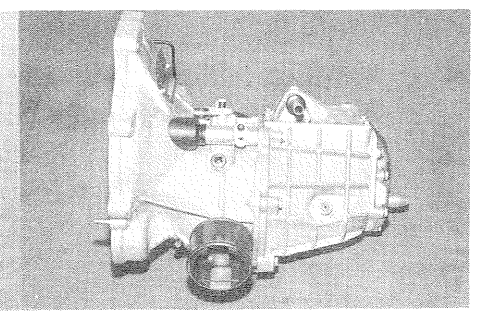
Gear box- and clutch housing. See photo.











Signature and stamp of the National Sporting Authority:

Signature and stamp of the F.I.A:

F.I.A. Recognition No. 5125 8/6V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

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Manufacturer: SAAB — Model: SEDAN V4

Serial No. inaugurating this extension — Chassis: 420001 — Engine: 101

Manufacturing date of the first vehicle constructed with the modifications: 1/8 19 68

Commercial denomination of modified model: SAAB V4

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from 14./Nov. 19 68. List 68/10

Descriptions of modifications:

Wheel 4½". Track 1233 mm ± 10 mm. Weight 7 kgs. Diameter 381 mm. Width 114 mm.

Signature and stamp of the National Sporting Authority:

Signature and stamp of the F.I.A:

F.I.A. Recognition No. 5125 9/7V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - -

Manufacturer..... SAAB ..... Model..... SEDAN V4 .....

Chassis..... 420001 ....

Serial No. inaugurating this extension Engine..... 101 .....

Manufacturing date of the first vehicle constructed with the modifications ..... 1/11 ..... 19.68 ....

Commercial denomination of modified model ..... SAAB V4 .....

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from. 1st./Jan.:19.69 List... 1969/1 .....

Descriptions of modifications:

Limited slip differential. Type: Borg-Warner spin resistant differential

The above only valid when car entered in group 2

Signature and stamp of the National Sporting Authority:

Signature and stamp of the F.I.A:

F.I.A. Recognition No. 5125 10/8V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - -

Manufacturer..... SAAB ..... Model..... Sedan V4 .....

Serial No. inaugurating this extension — Chassis..... 420001 .....; Engine..... 101 .....

Manufacturing date of the first vehicle constructed with the modifications ..... 19.....

Commercial denomination of modified model ..... SAAB V4 .....

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from...1./..4..1969 List..... 69/2 .....

Descriptions of modifications:

Rear wheel brake cylinders , bore 19.05 mm 718072

Round head lamps (see photo)

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A:

F.I.A. Recognition No. 5125 11/3E

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

Manufacturer ..... SAAB ..... Model ..... Sedan V4 .....

Chassis .....

Serial No. inaugurating this extension — Engine .....

Manufacturing date of the first vehicle constructed with the modifications ..... 1.8 .....19..69.....

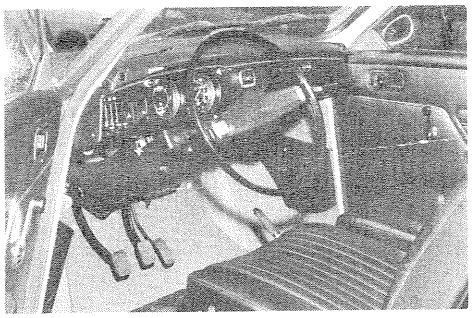
Commercial denomination of modified model ..... SAAB V4 .....

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from ..1./10./1969.. List .69/7.....-

Descriptions of modifications:

New interior coachwork (dash board, steering wheel etc.) See photo.



Signature and stamp of the National Sporting Authority.

Signature and stamp of the F.I.A.

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

F.I.A. Recognition No. 5125 12/9V

Gr II

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - - -

Manufacturer ..... SAAB ..... Model ..... Sedan V4 .....

Serial No. inaugurating this extension — Chassis .....
Engine .....

Manufacturing date of the first vehicle constructed with the modifications .....19....

Commercial denomination of modified model ..... SAAB V4 .....

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from 1../1..19.79 List ....79/1.....

Descriptions of modifications:

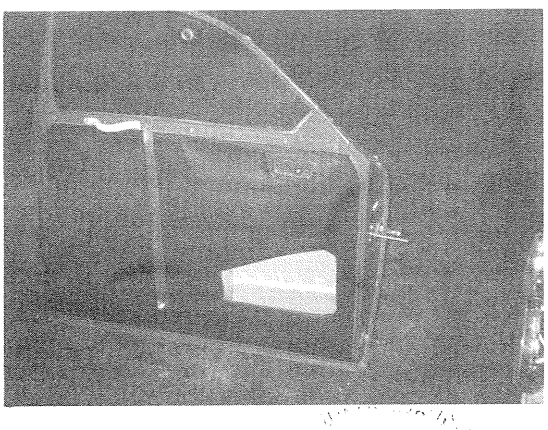
NOT VALID FOR GROUP 1

Light weight doors complete. (steel)

Plexi glass windows (door, quarter light and rear).

Radiator (length 620 mm, height 360 mm, max. width 68 mm. Capacity of cooling system 7,55 litres).

Clutch diaphragm type (dia. of clutch plates 20,2 cm)
(dia. of linings, inside 13,0 cm)
(dia. of linings, outside 20,0 cm)



Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A:

F.I.A. Recognition No. 5125 13/10V

Group II

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - -

Manufacturer SAAB Model Sedan V4

Serial No. inaugurating this extension Chassis

Engine

Manufacturing date of the first vehicle constructed with the modifications 19

Commercial denomination of modified model SAAB V4

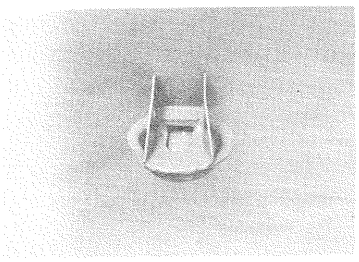
This extension of recognition is considered: variation - normal development of original vehicle type

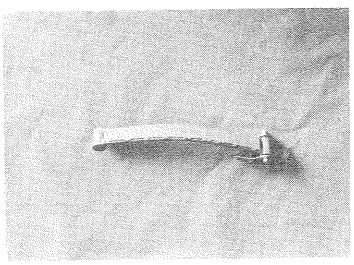
Recognition is valid from 1/7 19% List 70/7

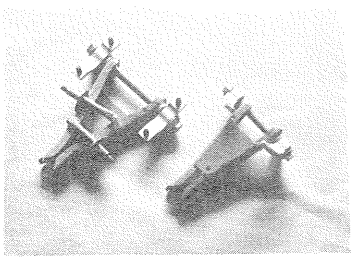
Descriptions of modifications:

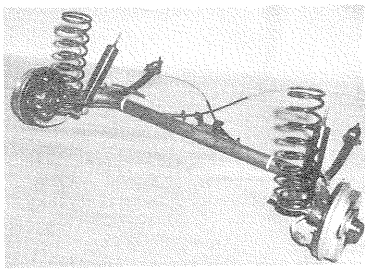
NOT VALID FOR GROUP 1

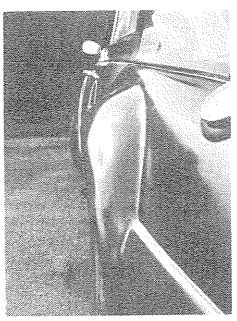
Strengthened spring supports	801346
Strengthened link arms	801348
Strengthened swinging arms	801347
Strengthened rear axle (tube dimensions 48 x 5 mm)	801341
Wing extensions	801394











Signature and stamp of the National Sporting Authority:

Signature and stamp of the F.I.A.:

F.I.A.Recognition No..5125.14/4E

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - -

Manufacturer.....SAAB-SCANIA..... Model.....Sedan V4.....

Serial No.inaugurating this extension Chassis.....

Engine.....

Manufacturing date of the first vehicle constructed with the modifications.....1.8.....19 70...

Commercial denomination of modified model.....SAAB V4.....

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from..1/10...1970. List.70/10.....

Descriptions of modifications:

New exterior decoration lists

Headlight, wiper and washer 881552

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE SPORT FEDERATION

Signature and stamp of the F.I.A.:

FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE

F.I.A. Recognition No. 5125.15/5E

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - -

Manufacturer..... SAAB-SCANIA Model..... V4

Serial No. inaugurating this extension Chassis.....

Engine.....

Manufacturing date of the first vehicle constructed with the modifications.....1/8..1970.

Commercial denomination of modified model....SAAB V4.....

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from.....1/4.1971 List.714.....

Descriptions of modifications:

BRAKES: SERVO ASSISTANCE TYPE: ATE T51

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE FEDERATION

Signature and stamp of the F.I.A.

F.I.A. Recognition No 5125 16/GL

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - -

Manufacturer SAAB-SCANIA AKTIEBOLAG Model Sedan V4

Serial No.inaugurating this extension Chassis .....

Engine .....

Manufacturing date of the first vehicle constructed with the modifications 1.7.1971

Commercial denomination of modified model SAAB V4

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from 1../.10.1972 List....1972/10.....

Description of modifications:

Carburettor Autolite type 71 TW-9510

Carburettor Autolite type 72 TF-9510

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE SPORT FEDERATION

M. Melcher

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

Manufacturer	SAAB-SCANIA AKTIEBOLAG	Model	Sedan V4
		Chassis	
Serial No. inaugurating this extension		Engine	
Manufacturing date of the first vehicle constructed with the modifications			1.8.1975
Commercial denomination of modified model			SAAB 96 V4
This extension of recognition is considered:			~~variation~~ – normal development of original vehicle type
Recognition is valid from	1 10 75	List	

Description of modifications:

2.	Front track	1240 mm	48.82 inches
3.	Rear track	1232 mm	48.50 inches
4.	Overall length of the car	430 cm	
5.	Overall width of the car	159 cm	
44.	Front bumper, materials weight	aluminium, plastic, rubber 11 kg	
45.	Rear bumper, materials weight	aluminium, plastic, rubber 10 kg	
51.	Weight (per wheel, without tyre)	7 kg	
53.	Rim diameter	381 mm	15 inches
54.	Rim width	114 mm	4 1/2 inches
62.	Number of turns of steering wheel from lock to lock	2.6	
212.	Carburettor make	Motorcraft	
213.	Model	75 TF	
216.	Minimum diameter of venturi	25 mm	

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature on behalf of the F.I.A.:

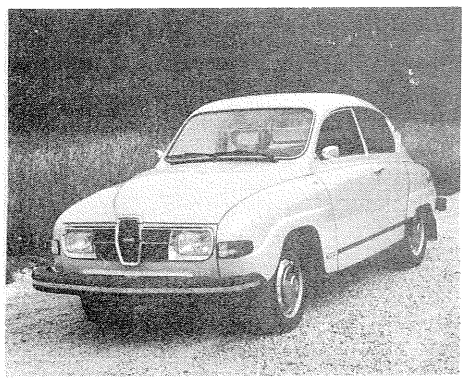
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

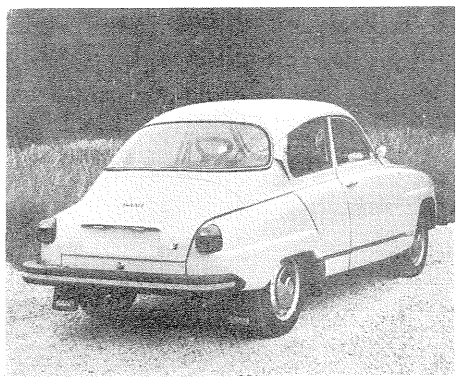
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

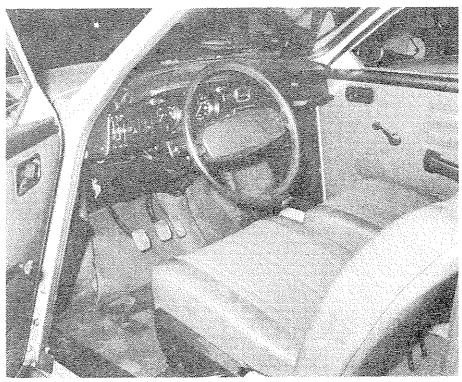
Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

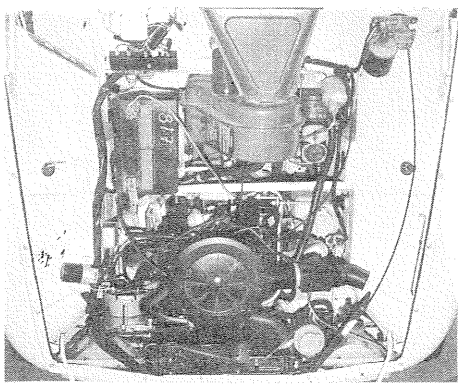
Manufacturer	SAAB-SCANIA AKTIEBOLAG	Model	Sedan V4
		Chassis	
Serial No. inaugurating this extension		Engine	
Manufacturing date of the first vehicle constructed with the modifications			1.8.1975
Commercial denomination of modified model			SAAB 96 V4
This extension of recognition is considered:		~~variation~~ – normal development of original vehicle type	
Recognition is valid from	1 10 75	List	

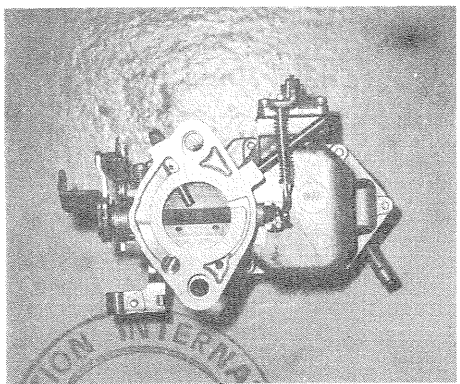
Description of modifications: PHOTOS











Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

F.I.A. Recognition No. 5125 18/11V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

Manufacturer SAAB-SCANIA AKTIEBOLAG

Model Sedan V4

Chassis

Serial No. inaugurating this extension

Engine

Manufacturing date of the first vehicle constructed with the modifications

Commercial denomination of modified model SAAB 96 V4

This extension of recognition is considered: variation – ~~normal~~ development of original vehicle type

Recognition is valid from 1.1.76

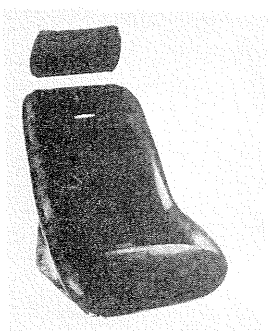
List

Description of modifications:

FRONT SEATS RECARO

41. a) Type: 130000 Saab No: 10710 Upholstery: Cloth and plastic
b) " 132800 " " 14506 " " " "
c) " 621000 " " 14779 " " " "

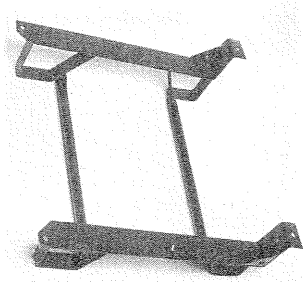
42. Weight: a) 9,7 kg
b) 10,2 kg
c) 16,2 kg



a)

b)

c)



Mounting frame

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

F.I.A. Recognition No. 5125 19/8E

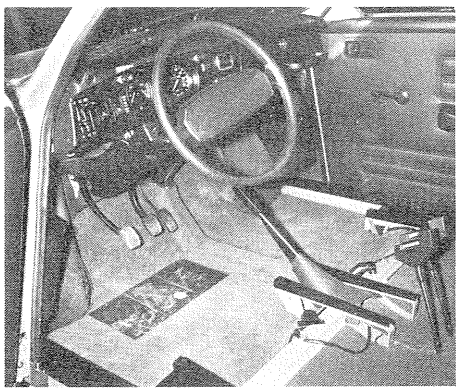
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

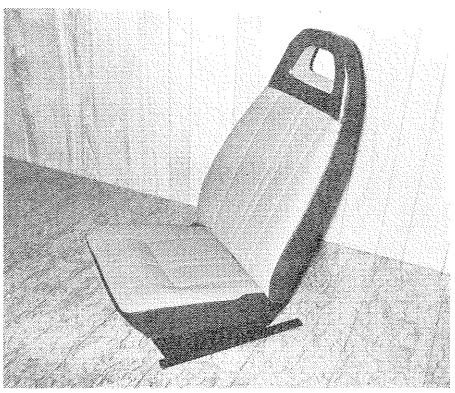
Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

Manufacturer	SAAB-SCANIA AKTIEBOLAG	Model	Sedan V4
		Chassis	
Serial No. inaugurating this extension		Engine	
Manufacturing date of the first vehicle constructed with the modifications			1.8.1976
Commercial denomination of modified model			SAAB 96 V4
This extension of recognition is considered:		~~variation~~ – normal development of original vehicle type	
Recognition is valid from		List	

Description of modifications:

41. Front seats SAAB No 738913 738914 Upholstery: Cloth and plastic
42. Weight of front seat: 15 kg
212. Make of carburettor: Ford
213. Model of carburettor: 77 TF





Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTKLUBBEN

Signature and stamp of the F.I.A.:

AUTOMOBILE FÉDÉRATION C.S.I.

F.I.A. Recognition No. 5125 20/9E

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

Manufacturer	SAAB-SCANIA AKTIEBOLAG	Model	Sedan V4
		Chassis	
Serial No. inaugurating this extension		Engine	
Manufacturing date of the first vehicle constructed with the modifications			1.1.77
Commercial denomination of modified model			SAAB 96L Super
This extension of recognition is considered:		~~variation~~ – normal development of original vehicle type	
Recognition is valid from	1.4.77	List	

Description of modifications:

9. Weight 880 kg 1940 lbs

CARBURETION

212. Make Solex 213. Model 32 TDID

214. Number of mixture passages per carburettor 2

215. Flange hole diameter of exit ports of carburettor 32/32 mm

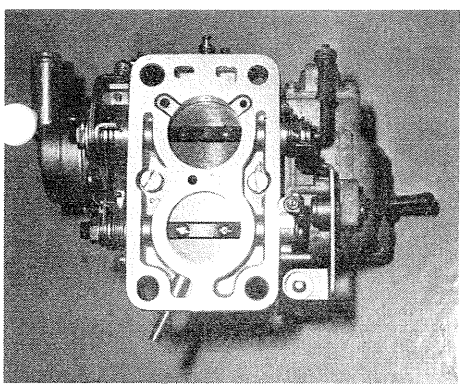
216. Minimum diameter of venturi 23/24 mm

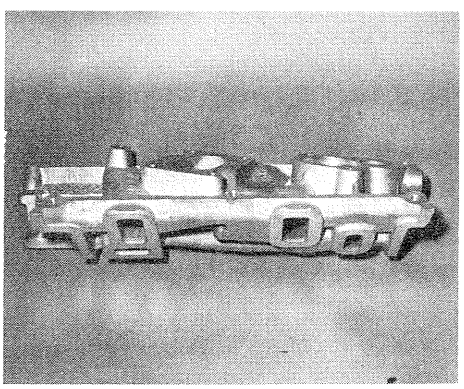
ENGINE AND CAR PERFORMANCES

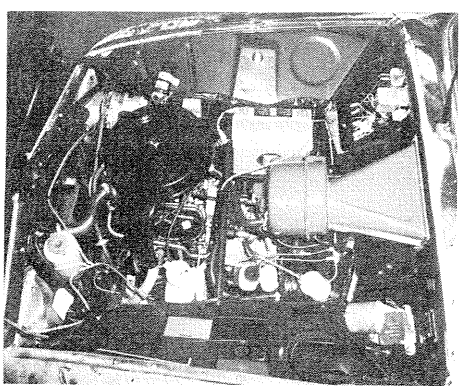
250. Max. engine output 68 HP DIN at 4700 rpm

252. Max. torque 11,5 KPM at 3000 rpm

253. Max. speed of the car 150 km/hour 93 miles/hour







Signature and stamp of the National Sporting Authority:

SVENSKA [illegible]

Signature and stamp of the F.I.A.:

FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE ★ C. S. I.

NATIONELL ID-HANDLING

FÖR KLASSERNA STANDARD I RALLY

avseende bilar av årsmodell 1976 och senare

FIA grundhomologering nr 5125

Nationellt tillägg nr 2/1977

Nedanstående uppgifter skall vara i överensstämmelse med de motorer som godkänts i enlighet med TSVs bestämmelser F 40.

Bilmärke SAAB Modell 96 V4

Årsmodell 1976 Kg/hkr 17,4 Klass STANDARD ☐ A – ☒ B

Av SBF godkända tilläggshomologeringar (FIA tillägg nr

C/V-4/4V · 5/1E-7/2E · 8/6V-10/8V · 11/3E-14/4E · 15/5E-16/6E · 17/7E · .

1.	Bilens FIA vikt	880 Kg	
2.	Motoreffekt	62 Hkr (Din)	
3.	Kompressionsförhållande	9,0:1	
4.	Förbränningsrummets volym	min 38,22 cm^3	
5.	Ventiler och kammar	Insug	Avgas
a)	Ventilspel Mätspel	0,425 + 0,18 m.m.	0,425 + 0,18 m.m.
b)	Öppnar (vid spel enligt ovan)	21 °FÖD	63 °FND
c)	Stänger (vid spel enligt ovan)	82 °END	40 °EÖD
d)	Max lyft	9,99 m.m.	9,99 m.m.
e)	Ventildiameter	max 37,5 m.m.	max 32,4 m.m.

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE SPORT FEDERATION

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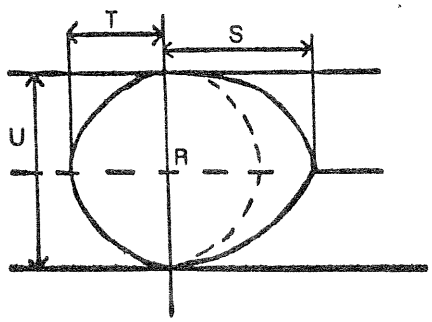
5125
2/1977

R=kamaxelcentrum



Insugningskam:

S= 20.16-20.43 mm ..... inches

T= 13.77-13.84 mm ..... inches

U= 27.72-27.86 mm ..... inches

Avgaskam:

S= Se insug mm ..... inches

T= -"- mm ..... inches

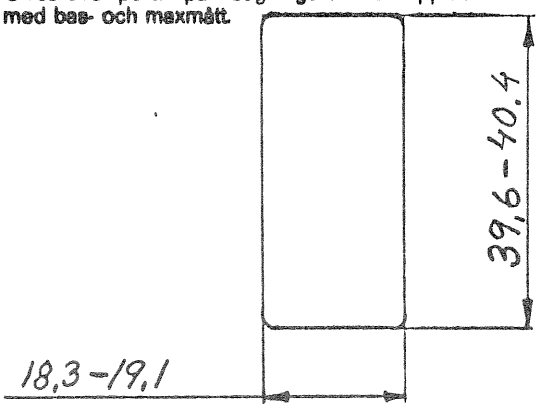
U= -"- mm ..... inches

6. Förgasare Fabr. o typbet. Ford 75 TF

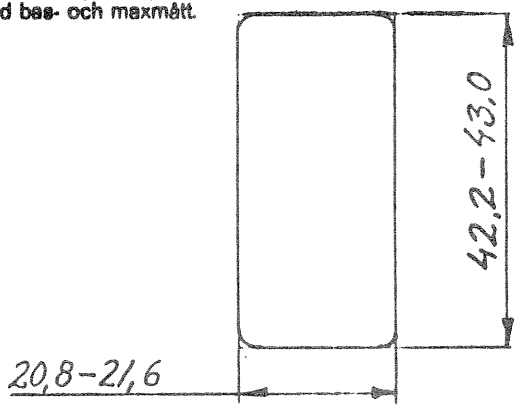
Insprutn.-system, fabr. o typbet. .....

7. Halsring (eller motsv.) diameter 23 m.m.

8. a) Skiss över portar på insugningsrör mot topplock med bas- och maxmått.



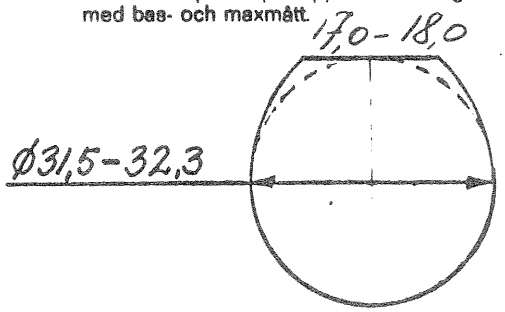
8. b) Skiss över portar på topplock mot insugningsrör med bas- och maxmått.



9. a) Skiss över portar på avgassamlare mot topplock med bas- och maxmått.

Integrerat med topplock

9. b) Skiss över portar på topplock mot avgassamlare med bas- och maxmått.



10. Övrigt

FIA detaljnr

4 Maj 1979

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE SPORT FEDERATION
Sign

NATIONELL ID-HANDLING

FÖR KLASSERNA STANDARD I RALLY

avseende bilar av årsmodell 1976 och senare

FIA grundhomologering nr 5125

Nationellt tillägg nr 3/1977

Nedanstående uppgifter skall vara i överensstämmelse med de motorer som godkänts i enlighet med TSVs bestämmelser F 40.

Bilmärke SAAB Modell 96 V 4

Årsmodell 1977 Kg/hkr 17,4 Klass STANDARD ☐ A – ☒ B

Av SBF godkända tilläggshomologeringar (FIA tillägg nr

C/V-4/4V · 5/1E-7/2E · 8/6V-10/8V · 11/3E-14/4E · 15/5E-16/6E · 17/7E-19/8E ·

1.	Bilens FIA vikt		880	Kg
2.	Motoreffekt		62	Hkr (Din)
3.	Kompressionsförhållande		9.0:1	
4.	Förbränningsrummets volym		min 38,22 cm^3	
5.	Ventiler och kammar	Insug	Avgas	
a)	Ventilspel Mätspel	0,425 +0,18 m.m.	0,425+0,18	m.m.
b)	Öppnar (vid spel enligt ovan)	21 °FÖD	63	°FND
c)	Stänger (vid spel enligt ovan)	82 °END	40	°EÖD
d)	Max lyft	9,99 m.m.	9,99	m.m.
e)	Ventildiameter	max 37,5 m.m.	max 32,4	m.m.

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE SPORT FEDERATION

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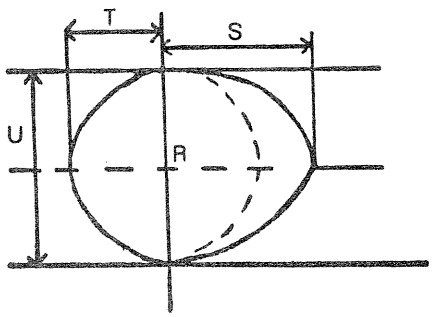
5125
3/1977

R=kamaxelcentrum



Insugningskam:

S= 20.16 - 20.43 mm ..... inches

T= 13.72 - 13.84 mm ..... inches

U= 27.72 - 27.86 mm ..... inches

Avgaskam:

S= se insug mm ..... inches

T= " mm ..... inches

U= " mm ..... inches

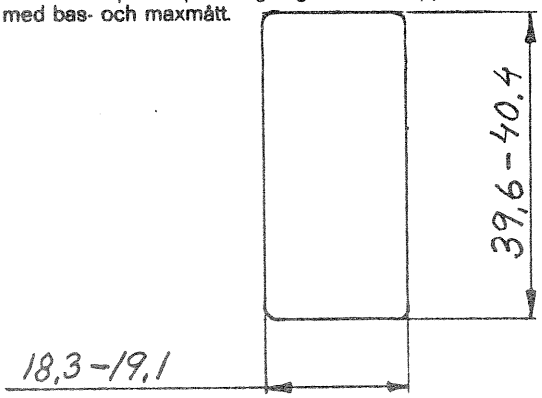
Ford 77 TF (75 TF)

6. Förgasare Fabr. o typbet. .....

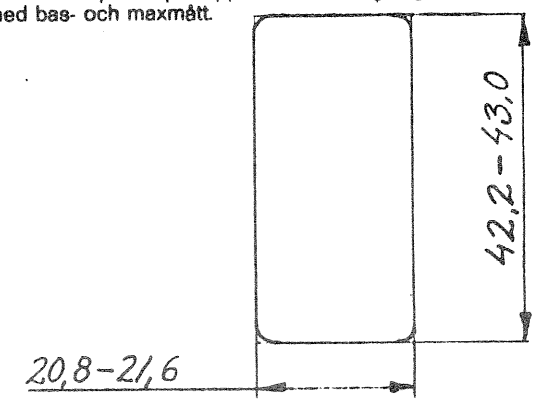
Insprutn.-system, fabr. o typbet. .....

7. Halsring (eller motsv.) diameter 23 m.m.

8. a) Skiss över portar på insugningsrör mot topplock med bas- och maxmått.



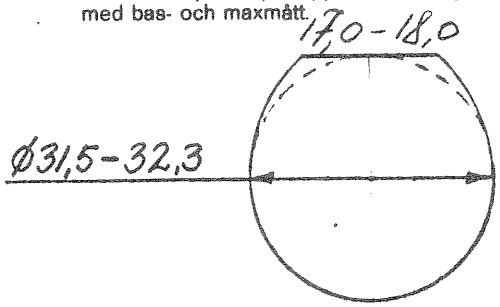
8. b) Skiss över portar på topplock mot insugningsrör med bas- och maxmått.



9. a) Skiss över portar på avgassamlare mot topplock med bas- och maxmått.

Integrerat med topplock

9. b) Skiss över portar på topplock mot avgassamlare med bas- och maxmått.



10. Övrigt

FIA detaljnr

4 Maj 19 77

SBF STÄMPEL
SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE SPORT FEDERATION

Sign

dts 8.76 31782 O

NATIONELL ID-HANDLING

FÖR KLASSERNA STANDARD I RALLY

avseende bilar av årsmodell 1976 och senare

FIA grundhomologering nr 5125

Nationellt tillägg nr 4/1977

Nedanstående uppgifter skall vara i överensstämmelse med de motorer som godkänts i enlighet med TSVs bestämmelser F 40.

Bilmärke SAAB Modell 96 V 4 L Super

Årsmodell 1977 Kg/hkr 15,8 Klass STANDARD ☐ A – ☒ B

Av SBF godkända tilläggshomologeringar (FIA tillägg nr

C/V-4/4V · 5/1E-7/2E · 8/6V-11/8V · 11/3E-14/4E · 15/5E-16/6E · 17/7E-19/8E · 20/9E

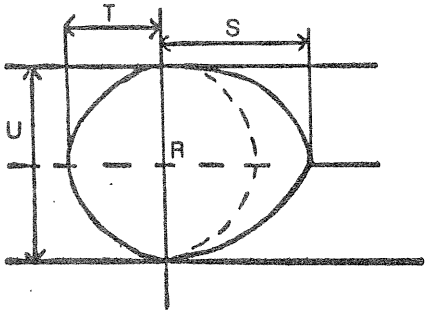
1.	Bilens FIA vikt	880	Kg
2.	Motoreffekt	68	Hkr (Din)
3.	Kompressionsförhållande	9.0:1	
4.	Förbränningsrummets volym	min 38,22 cm^3	

5. Ventiler och kammar	Insug		Avgas	
a) Ventilspel Mätspel	0,425+0,18	m.m.	0,425 + 0,18	m.m.
b) Öppnar (vid spel enligt ovan)	21	°FÖD	63	°I-ND
c) Stänger (vid spel enligt ovan)	82	°END	40	°EÖD
d) Max lyft	9,99	m.m.	9,99	m.m.
e) Ventildiameter	max 37,5	m.m.	max 32,4	m.m.

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE SPORT FEDERATION

dhs 8.76 31783 O

5/25
4/1977



S= 20,16 - 20,43 mm ..... inches

T= 13,77 - 13,84 mm ..... inches

U= 27,72 - 27,86 mm ..... inches

Avgaskam:

S= se insug mm ..... inches

T= -"- mm ..... inches

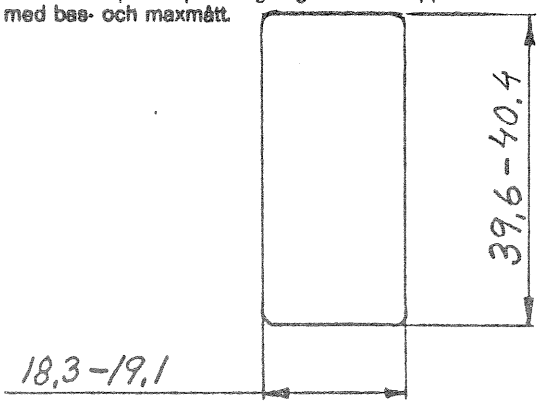
U= -"- mm ..... inches

6. Förgasare Fabr. o typbet. Solex 32 TDID

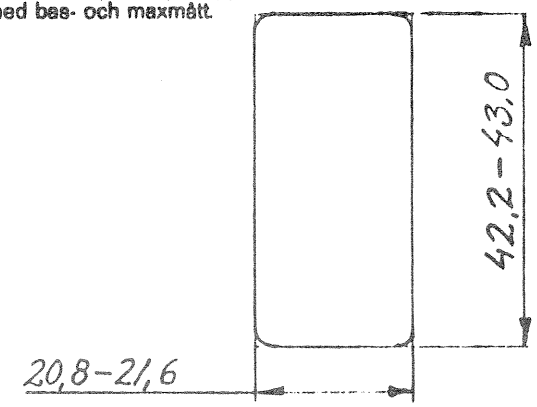
Insprutn.-system, fabr. o typbet. .....

7. Halsring (eller motsv.) diameter 23/24 m.m

8. a) Skiss över portar på insugningsrör mot topplock med bas- och maxmått.



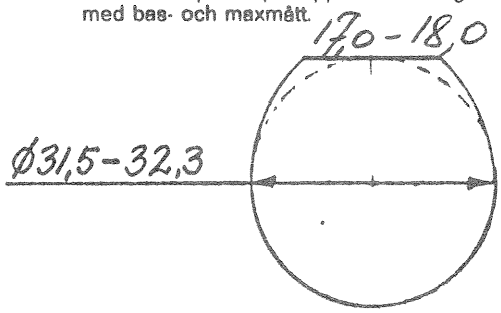
8. b) Skiss över portar på topplock mot insugningsrör med bas- och maxmått.



9. a) Skiss över portar på avgassamlare mot topplock med bas- och maxmått.

Integrerat med topplock

9. b) Skiss över portar på topplock mot avgassamlare med bas- och maxmått.



10. Övrigt

FIA detaljnr

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	.....
	.....

4 Maj 1977

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Sign.

dns 8.76 31782 O

F.I.A. Recognition No. 1608

Group 2 - Tourisme Spécial

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition in accordance with Appendix J to the International Sporting Code.

Manufacturer. SAAB-SCANIA AUTOMOTIVE GROUP ... Cylinder capacity. 1698 ... cm³. 103.6 ... in³

Model ..... SAAB 96 V4

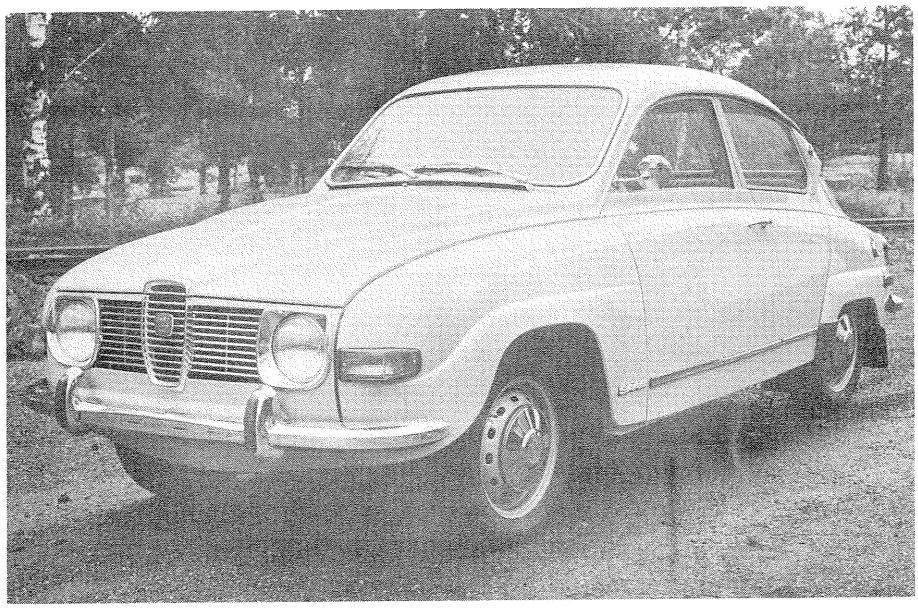
Serial No of chassis ... 96600001 ... Manufacturer. SAAB-SCANIA AUTOMOTIVE GROUP

engine ... 174400 ... Manufacturer. Ford Company

Recognition is valid from ... 1st. Jan. 1971 List. 1971/1

The manufacturing of the model described in this recognition form was started on. 1.7 ... 1970 and the minimum production of. 1000 identical cars, in accordance with the specifications of this form was reached on. 30.9 ... 19.70.

Photograph A, 3/4 view of car from front



The vehicle described in this form has been subject to the following amendments:

Variants

on. 1/1 ... 1971 rec.No 1/IV-4/4V List 1971/1.
on. ..... 19 ... rec.No ..... List .....
on. ..... 19 ... rec.No ..... List .....
on. ..... 19 ... rec.No ..... List .....
on. ..... 19 ... rec.No ..... List .....

Normal evolution of the type

on. ..... 19 ... rec.No ..... List .....
on. ..... 19 ... rec.No ..... List .....
on. ..... 19 ... rec.No ..... List .....
on. ..... 19 ... rec.No ..... List .....
on. ..... 19 ... rec.No ..... List .....

Stamp and signature of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

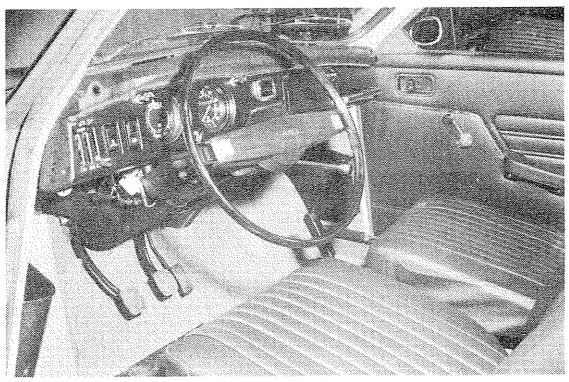
Stamp and signature of the F.I.A.

FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE

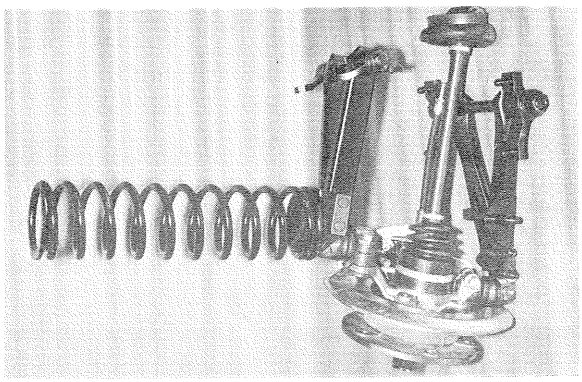
Make..SAAB..... Model...96 V4..... F.I.A. Rec.No..1608.....

Photograph B

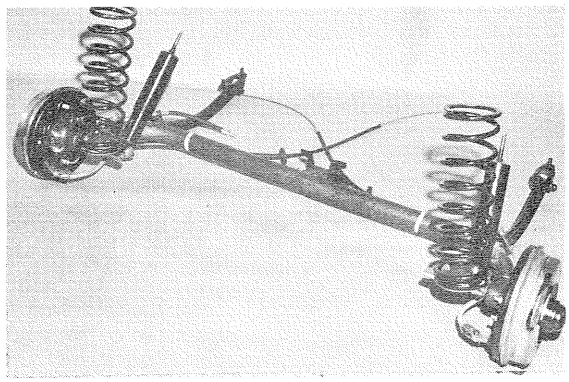
Photograph C



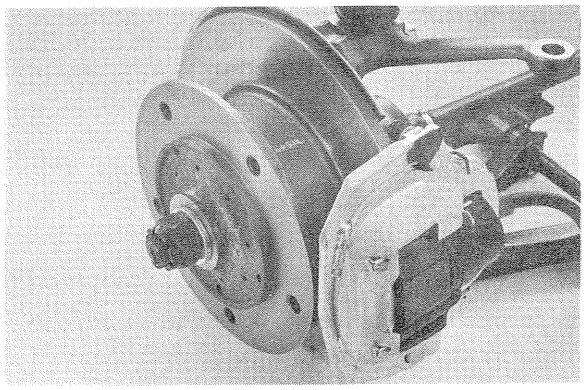
Photograph D



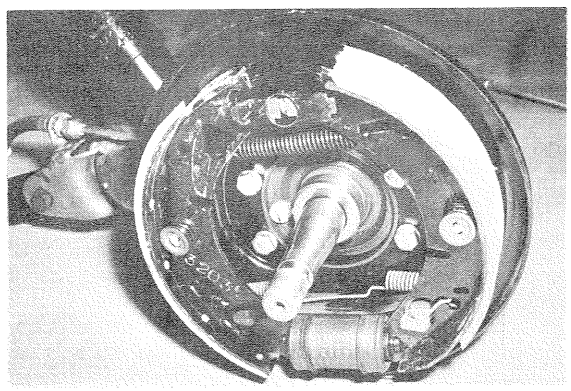
Photograph E



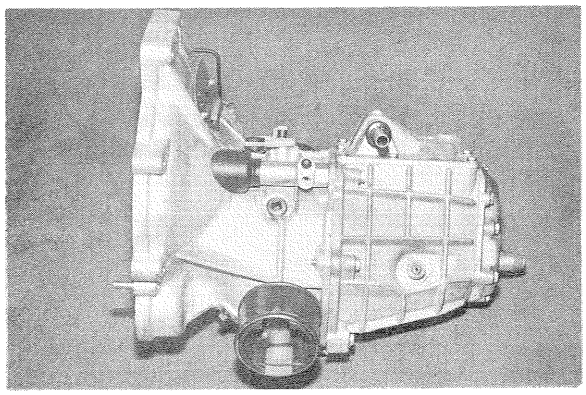
Photograph F



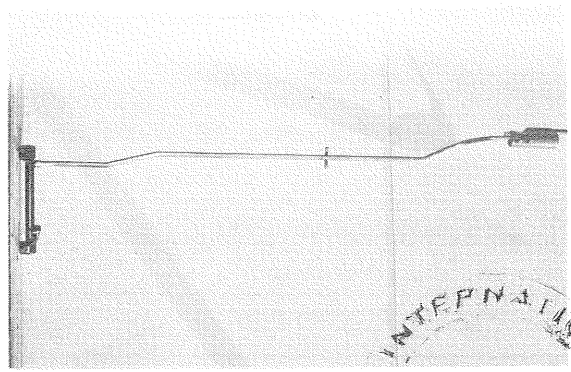
Photograph G



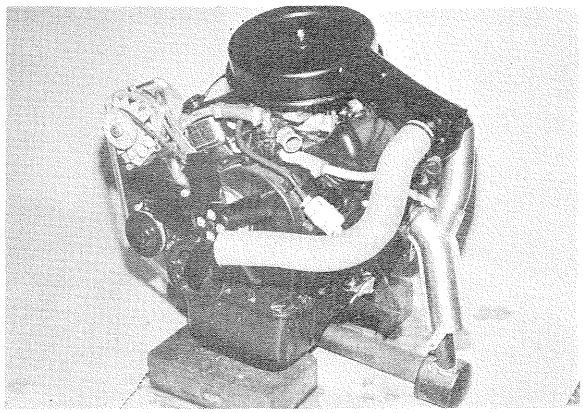
Photograph H



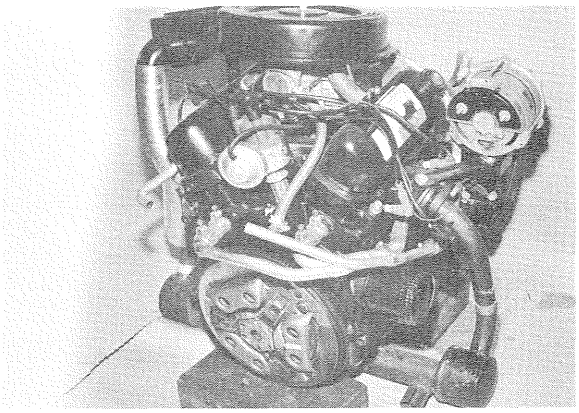
Photograph I



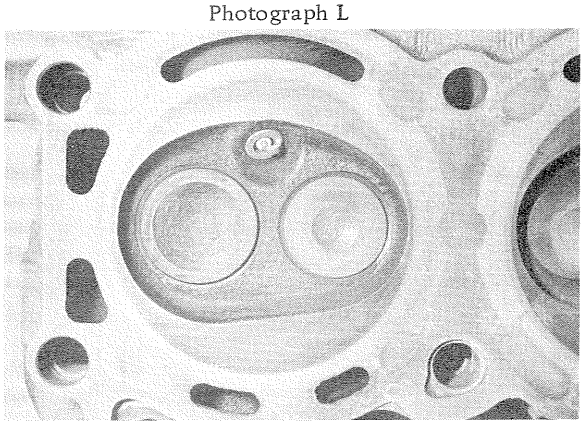
Photograph J



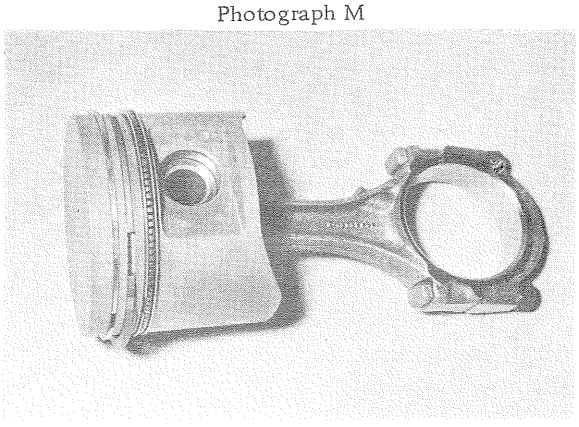
Photograph K



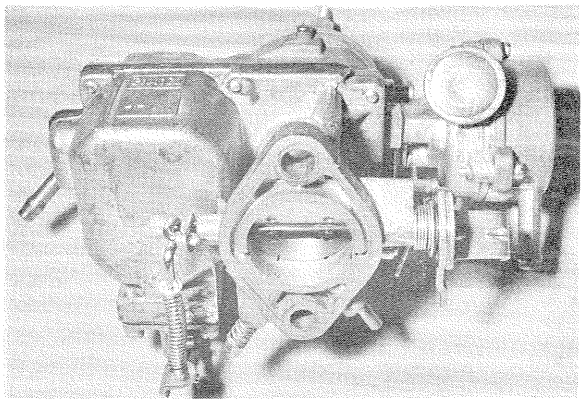
Photograph L



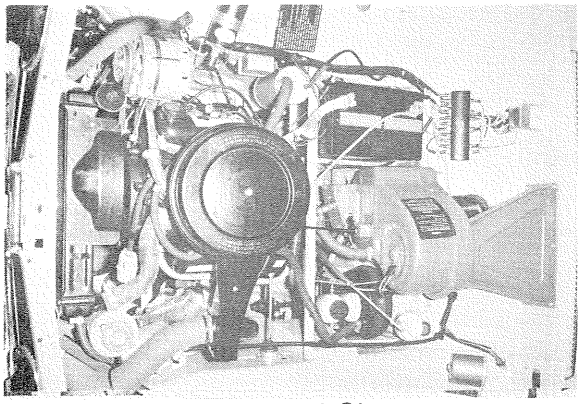
Photograph M



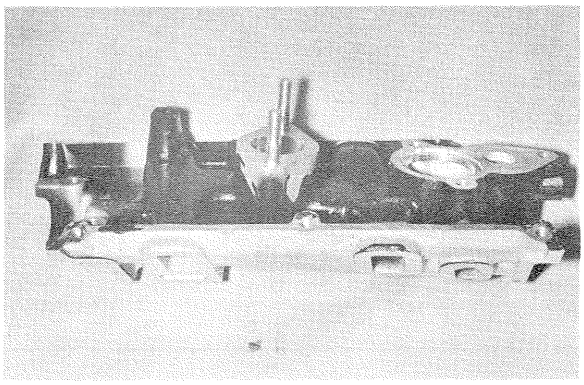
Photograph N



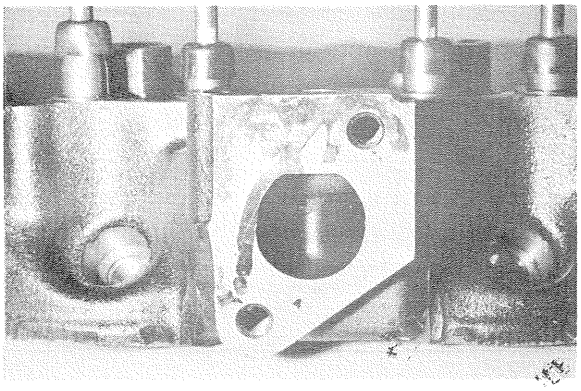
Photograph O



Photograph P

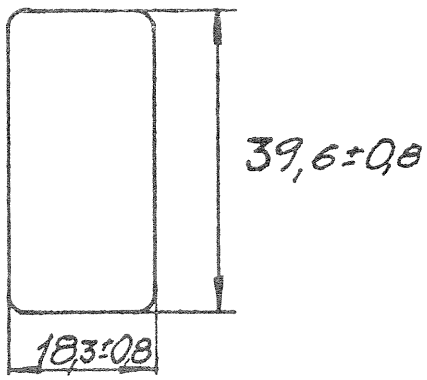


(Photograph Q)

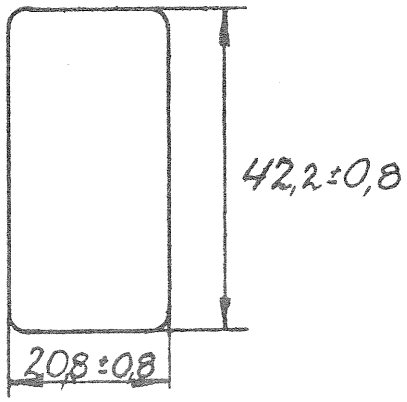


Make. SAAB ..... Model. 96 V4 ..... F.I.A.Rec.No. 1608

Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



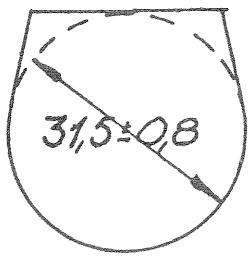
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

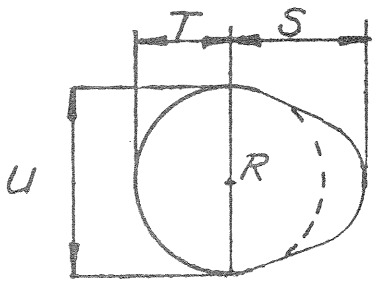


INTEGRAL WITH HEAD

Drawing exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

Drawing of exit to exhaust port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.





R = center of camshaft.

Inlet cam			
S = 20,16 - 20,43	mm	0,79 - 0,80	inches
T = 13,77 - 13,84	mm	0,54 - 0,55	inches
U = 27,72 - 27,86	mm	1,09 - 1,10	inches
Exhaust cam			
S = 20,16 - 20,43	mm	0,79 - 0,80	inches
T = 13,77 - 13,84	mm	0,54 - 0,55	inches
U = 27,72 - 27,86	mm	1,09 - 1,10	inches

Make..SAAB..... Model..96 V4..... F.I.A.Rec.No..1608.....

IMPORTANT- the underlined items must be stated in two measuring systems, one of which must be the metric system. See conversion table hereafter.

CAPACITIES AND DIMENSIONS

1. Wheelbase 2498 mm 98,35 inches
2. Front track 1220 mm 48,03 inches X
3. Rear track 1220 mm 48,03 inches X
4. Overall length of the car 420 cm 165,3 inches
5. Overall width of the car 159 cm 62,6 inches
6. Overall height of the car 147 cm 57,9 inches
7. Capacity of fuel tank (reserve included) 38 ltrs
   Gallon US 8,36 Gallon Imp.
8. Seating capacity
9. Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:
   880 kg 1940 lbs cwt

X Differences in track caused by the use of other wheels with different rim widths must be stated when recognition is requested for the wheels concerned. Specify ground clearance in relation to the track and give drawing of two easily recognizable points at front and rear at which measurements are taken. These ground clearance dimensions are only for information when checking the track and can in no way affect the eligibility of the car.

CONVERSION TABLE

1 inch/pouce	- 2.54 cm	1 quart US	- 0.9464 ltrs
1 foot/pied	- 30.4794cm	1 pint (pt)	- 0.568 ltrs
1 square inch/pouce carré	- 6.452 cm^2	1 gallon Imp.	- 4.546 ltrs
1 cubic inch/pouce cube	- 16.387 cm^3	1 gallon US	- 3.785 ltrs
1 pound/livre (lb)	-453.593 gr	1 hundred weight (cwt)	- 50.802 kg

Make..SAAB..... Model..96 V4..... F.I.A.Rec.No..1608.....

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction: separate/unitary construction
21. Unitary construction, material(s) PRESSED STEEL SHEET

Separate construction

22. Material(s) of chassis
23. Material(s) of coachwork PRESSED STEEL SHEET
24. Number of doors 2 Material(s) PRESSED STEEL SHEET
25. Material(s) of bonnet PRESSED STEEL SHEET
26. Material(s) of boot lid PRESSED STEEL SHEET
27. Material(s) of rear-window GLASS
28. Material(s) of windscreen GLASS
29. Material(s) of front-door windows GLASS
30. Material(s) of rear-door windows
31. Sliding system of door windows WHEEL AND LEVER MECHANISM
32. Material(s) of rear-quarter light GLASS

ACCESSORIES AND UPHOLSTERY

38. Interior heating: yes - no
39. Air-conditioning: yes - no
40. Ventilation: yes - no
41. Front seats, type of upholstery CLOTH AND GALON
42. Weight of front seat(s), complete with supports and rails, out of the car: 10 kg lbs
43. Rear seats, type of upholstery CLOTH AND GALON
44. Front bumper, material(s) STEEL Weight 5,2 kg lbs
45. Rear bumper, material(s) STEEL Weight 5,4 kg lbs

WHEELS

50. Type DISC
51. Weight (per wheel, without tyre) 6 kg lbs
52. Method of attachment BOLTED TO DRUM
53. Rim diameter 381 mm 15 inches
54. Rim width 101,6 mm 4 inches

STEERING

60. Type RACK AND PINION
61. Servo-assistance: yes - no
62. Number of turns of steering wheel from lock to lock
63. In case of servo-assistance

Make SAAB Model 96 V4 F.I.A.Rec.No. 1608

SUSPENSION

70.	Front suspension (photograph D), type	INDEPENDENT
71.	Type of spring	COIL SPRING
72.	Stabiliser (if fitted)	
73.	Number of shockabsorbers	2
74.	Type	TELESCOPIC
78.	Rear suspension (photograph E), type	U-SHAPED RIGID BACK AXLE
79.	Type of spring	COIL SPRING
80.	Stabiliser (if fitted)	
81.	Number of shockabsorbers	2
82.	Type	TELESCOPIC

BRAKES (Photographs F and G)

90.	Method of operation	HYDRAULIC SYSTEM
91.	Servo-assistance (if fitted), type	ATE T 51
92.	Number of hydraulic master cylinders	1 TANDEM TYPE

		FRONT			REAR		
93.	Number of cylinders per wheel	1			1		
94.	Bore of wheel cylinder(s)	50,8 mm		in.	15,9 mm		in.
	Drum brakes						
95.	Inside diameter	mm		in.	203 mm		in.
96.	Length of brake linings	mm		in.	196 mm		in.
97.	Width of brake linings	mm		in.	37 mm		in.
98.	Number of shoes per brake				2		
99.	Total area per brake	mm^2		sq.in.	14700 mm^2		sq.in.
	Disc brakes						
100.	Outside diameter	267 mm		in.	mm		in.
101.	Thickness of disc	9,6 mm		in.	mm		in.
102.	Length of brake linings	93 mm		in.	mm		in.
103.	Width of brake linings	42 mm		in.	mm		in.
104.	Number of pads per brake	2					
105.	Total area per brake	6500 mm^2		sq.in.	mm^2		sq.in.

Make SAAB Model 96 V4 F.I.A.Rec.No. 1608

ENGINE (Photographs J and K)

130. Cycle FOUR STROKE
131. Numbers of cylinders 4
132. Cylinder arrangement V-FORM
133. Bore 90,0 mm 3,54 in.
134. Stroke 66,8 mm 2,63 in.
135. Capacity per cylinder 425 cm^3 25,9 cu.in.
136. Total cylinder capacity 1698 cm^3 103,6 cu.in.
137. Material(s) of cylinder block CAST IRON
138. Material(s) of sleeves (if fitted)
139. Cylinder head, material(s) CAST IRON Number fitted 2
140. Number of inlet ports 4
141. Number of exhaust ports 2
142. Compression ratio 7,8 - 8,6:1
143. Volume of one combustion chamber 40,22 - 38,22 cm^3 cu.in.
144. Piston, material ALUMINIUM ALLOY
145. Number of rings 3
146. Distance from gudgeon pin centre line to highest point of piston crown 39,0 ± 0,1 mm inches
147. Crankshaft: moulded/stamped
148. Type of crankshaft: integral/ /cast with balance weights
149. Number of crankshaft main bearings 3
150. Material of bearing cap CAST IRON
151. System of lubrication: dry sump/oil in sump
152. Capacity, lubricant 3,3 ltrs pts quarts US
153. Oil cooler: yes - no
154. Method of engine cooling WATER COOLING
155. Capacity of cooling system 7,0 ltrs pints quarts US
156. Cooling fan (if fitted), dia 35,6 cm inches
157. Number of blades of cooling fan 5

Bearings

158. Crankshaft main, type SHELL BEARING Dia. 57,0 mm in.
159. Connecting rod, big end, type SHELL BEARING Dia. 54,0 mm in.

Weights

160. Flywheel (clean) 6,5 - 7,3 kgs lbs
161. Flywheel with clutch (all turning parts) 10,2 - 11,1 kgs lbs
162. Crankshaft 11,3 ± 0,5 kgs lbs
163. Connecting rod SEE 164 kgs lbs
164. Piston with rings and pin INCLUDING GEAR 1,14 ± 0,05 kgs, lbs INCLUDING CONNECTING ROD

Make..SAAB..... Model..96 V4..... F.I.A.Rec.No..1608.....

FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location IN V-CENTER

172. Type of camshaft drive WHEEL GEAR

173. Type of valve operation PUSH ROD

INLET (see page 4) X

180. Material(s) of inlet manifold ALUMINIUM ALLOY

181. Diameter of valves 37,1 - 37,5 mm 1,46 - 1,48 inches

182. Max. valve lift 9,77 mm 0,38 in. 183. Number of valve springs 1

184. Type of spring COIL SPRING 185. Number of valves/cyl. 1

186. Tappet clearance for checking timing (cold) 0,40 - 0,45mm in.

187. Valves open at (with tolerance for tappet clearance indicated) 21° B.T.D.C.

188. Valves close at (with tolerance for tappet clearance indicated) 82° A.B.D.C.

189. Air filter, type DRY FILTER CARTRIDGE

EXHAUST (see page 4)

195. Material(s) of exhaust manifold INTEGRAL WITH HEAD

196. Diameter of valves 32,0 - 32. 4 mm 1,26 - 1,28 inches

197. Max. valve lift 9,77 mm 0,38 in. 198. Number of valve springs 1

199. Type of spring COIL SPRING 200. Number of valves/cyl. 1

201. Tappet clearance for checking timing (cold) 0,40 - 0,45mm in.

202. Valves open at (with tolerance for tappet clearance indicated) 63° B.B.D.C.

203. Valves close at (with tolerance for tappet clearance indicated) 40° A.T.D.C.

CARBURETION (photograph N)

210. Number of carburettors fitted 1 211. Type DOWN DRAUGHT

212. Make AUTOLITE 213. Model 71 TW - 9510 - LA

214. Number of mixture passages per carburettor 1

215. Flange hole diameter of exit port(s) of carburettor 32 mm 1,26 in.

216. Minimum diameter of venturi/minimum diameter with piston at max. height 25,5 mm 1,0 inches

INJECTION (if fitted)

220. Make of pump 221. Number of plungers

222. Model or type of pump 223. Total number of injectors

224. Location of injectors

225. Minimum diameter of inlet pipe mm inches

X for additional information concerning two-stroke engines and super-charged engines see page 13.

Make..SAAB..... Model..96 V4..... F.I.A.Rec.No...1608.....

ENGINE ACCESSORIES

230. Fuel pump: mechanical ~~and~~/or electric

231. Number fitted 1

232. Type of ignition system COIL DISTRIBUTOR

233. Number of distributors 1

234. Number of ignition coils 1

235. Number of spark plugs per cylinder 1

236. Generator, number fitted 1 ALTERNATOR

237. Method of drive V-BELT

238. Voltage of generator 12 volts

239. Battery, number 1

240. Location ENGINE COMPARTMENT

241. Voltage of battery 12 volts

ENGINE AND CAR PERFORMANCES (as declared by manufacturer in catalogue)

250. Max. engine output 65 (type of horsepower: DIN) at 4700 rpm

251. Max. rpm 5500 output at that figure 61

252. Max. torque 11,7 KPM at 2500 rpm

253. Max speed of the car 146 km/hour 91 miles/hour

Make SAAB Model 96 V4 F.I.A.Rec.No. 1608

DRIVE TRAIN

CLUTCH

260. Type of clutch DRY PLATE

261. Number of plates 1

262. Dia. of clutch plates 19,0 cm inches

263. Dia. of linings inside 12,5 cm in. outside 18-19 cm in.

264. Method of operating clutch HYDRAULIC

GEAR BOX (photograph H)

270. Manual type, make SAAB-SCANIA

271. Number of gear box ratios forward 4 272. Synchronized forward ratios 4

273. Location of gear shift ON STEERING COLUMN

274. Automatic, make type

275. Number of forward ratios 276. Location of gear shift

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	No teeth	Ratio	No teeth	Ratio	No teeth	Ratio	No teeth
1	3,48	35 - 27 - 31 - 21 - 40 - 22			3,14	35 - 27 - 31 - 21 - 41 - 25		
2	2,09	31 - 37 - 27 - 40 - 22			1,86	34 - 37 - 30 - 41 - 25		
3	1,30	35 - 27			1,30	35 - 27		
4	0,84	31 - 37			0,92	34 - 37		
5								
6								
reverse	3,18	35 - 20 - 40 - 22			2,87	35 - 20 - 41 - 25		

278. Overdrive, type

279. Forward gears on which overdrive can be selected

280. Overdrive ratio

FINAL DRIVE

290. Type of final drive BEVEL GEAR (PINION - CROWN WHEEL)

291. Type of differential DIFFERENTIAL BEVEL GEAR

292. Type of limited slip differential (if fitted)

293. Final drive ratio 5,43:1 4,88:1

Number of teeth 7:38 8:39

Make..SAAB..... Model..96 V4..... F.I.A.Rec.No..1608.....

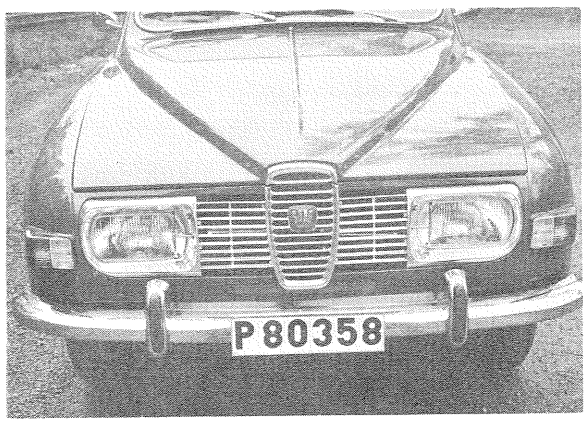
IMPORTANT - The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars): 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 184, 186, 187, 188, 189, 199, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, and photographs I, M, and N.

During the scrutineering of cars entered in group 4 (Sportscars) only the following items of the present recognition form are to be taken into consideration: 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292, and photographs A, B, D, E, F, G, H, J, K, and O.

Optional equipment affecting preceeding information. This to be stated together with reference number.

(72) TRANSVERSE TORSION BAR STABILIZER	707638
(94) REAR WHEEL BRAKE CYLINDER BORE 19,05 mm	718072

SQUARE HEAD LIGHTS WITH WIPERS AND WASHER (SEE PHOTO) 881552



TWO STROKE ENGINES

300. System of cylinder scavenging

301. Type of lubrication

302. Inlet ports, length measured around cylinder wall mm inches

303. Height inlet port mm in. 304. Area mm^2 sq.in.

305. Exhaust ports, length measured around cylinder wall mm inches

306. Height exhaust port mm in. 307. Area mm^2 sq.in.

308. Transfer port, length measured around cylinder wall mm inches

309. Height transfer port mm in. 310. Area mm^2 sq.in.

311. Piston ports, length measured around piston mm inches

312. Height piston port mm in. 313. Area mm^2 sq.in.

314. Method of precompression 315. Precompression cyl.: yes-no

316. Bore mm in. 317. Stroke mm inches

318. Distance from top of cyl. block to highest point of exhaust port:
mm inches

319. Distance from top of cyl.block to lowest point of inlet port:
mm inches

320. Distance from top of cyl.block to highest point of transfer port:
mm inches

321. Drawing of cylinder ports

330. Supercharging - state full details hereafter

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - -

Manufacturer..SAAB-SCANIA AUTOMOTIVE GROUP..... Model..SAAB 96 V4.....

Serial No. inaugurating this extension Chassis..96600001.....
Engine..174400.....

Manufacturing date of the first vehicle constructed with the modifications .....1.7.....19..70...

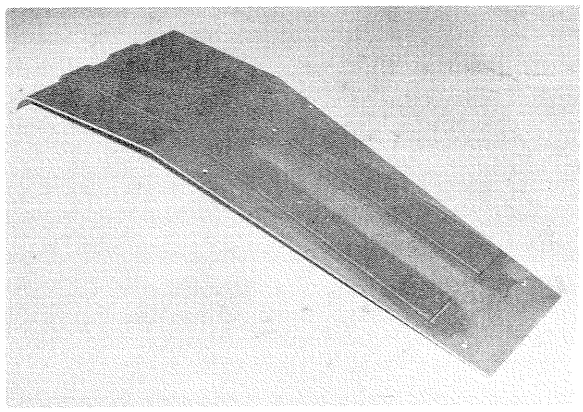
Commercial denomination of modified model..SAAB 96 V4.....

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from..1/1.....19..71... List..1971/1.....

Descriptions of modifications:

FUEL TANK	881327	CAPACITY 70 LITRES (15,4 IMP.GALLONS)
PROTECTION PLATE	881362	(SEE PICTURE) LENGTH 108(112) cm WIDTH 21/40 cm
RADIATOR	881324	LENGTH 620 mm HEIGHT 360 mm MAX.WIDTH 68 mm CAPACITY OF COOLING SYSTEM 7,55 LITRES



Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - -

Manufacturer SAAB-SCANIA AUTOMOTIVE GROUP Model SAAB 96 V4

Serial No.inaugurating this extension Chassis 96600001

Engine 174400

Manufacturing date of the first vehicle constructed with the modifications 1.7 1970

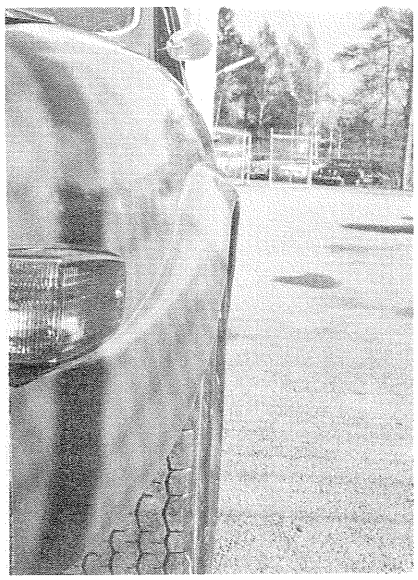
Commercial denomination of modified model SAAB 96 V4

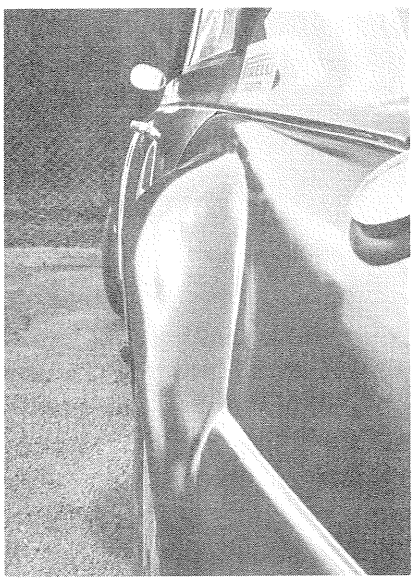
This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from 1/1 1971 List. 1971/1

Descriptions of modifications:

CLUTCH DIAPHRAGM TYPE	881335	(DIA OF CLUTCH PLATES 20,2 cm) (DIA OF LININGS, INSIDE 13,0 cm) (DIA OF LININGS,OUTSIDE 20,0 cm)
PLEXIGLASS WINDOWS	881396	(DOOR, QUARTER LIGHT, REAR)
WING EXTENSIONS	881394	





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THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

F.I.A.Recognition No. 1608 3/3V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - -

Manufacturer SAAB-SCANIA AUTOMOTIVE GROUP Model SAAB 96 V4

Serial No. inaugurating this extension Chassis 96600001

Engine 174400

Manufacturing date of the first vehicle constructed with the modifications 1.7 1970

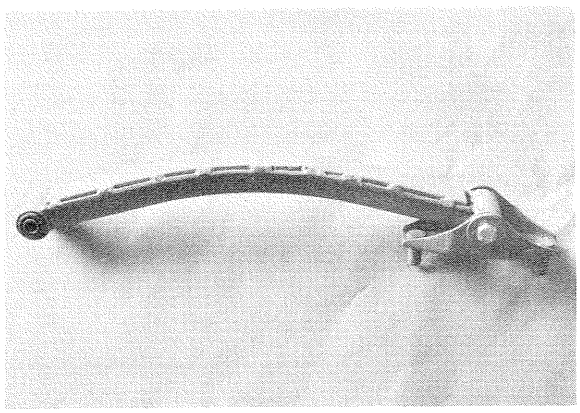
Commercial denomination of modified model SAAB 96 V4

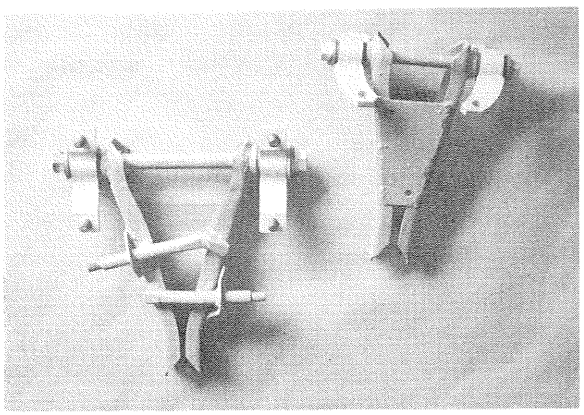
This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from 1/1 1971 List 1971/1

Descriptions of modifications:

STRENGTHENED LINK ARMS	881348
STRENGTHENED SWINGING ARMS	881347
STRENGTHENED REAR AXLE (TUBE DIMENSIONS 48 x 5 mm)	881341





Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

F.I.A.Recognition No. 1608 4/4V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - -

Manufacturer SAAB-SCANIA AUTOMOTIVE GROUP Model SAAB 96 V4

Serial No. inaugurating this extension Chassis 96600001

Engine 174400

Manufacturing date of the first vehicle constructed with the modifications 1.7 1970

Commercial denomination of modified model SAAB 96 V4

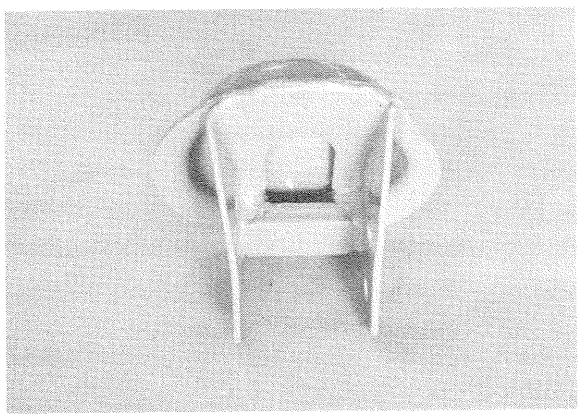
This extension of recognition is considered: variation - normal development of original vehicle type

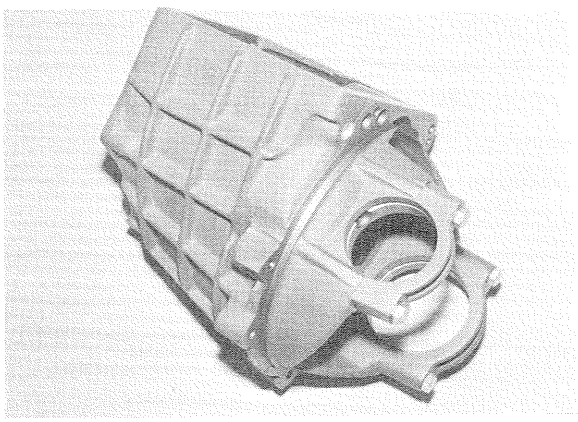
Recognition is valid from 1/1 1971 List 1971/1

Descriptions of modifications:

STRENGTHENED SPRING SUPPORTS 881346

STRENGTHENED GEAR BOX HOUSING(MATERIAL: CAST IRON) 880923





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THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - -

Manufacturer SAAB-SCANIA AKTIEBOLAG Model SAAB 96 V4

Serial No.inaugurating this extension Chassis .....

Engine ....

Manufacturing date of the first vehicle constructed with the modifications .....1.7.....1972

Commercial denomination of modified model SAAB 96 V4

This extension of recognition is considered: variation - normal development of original vehicle type

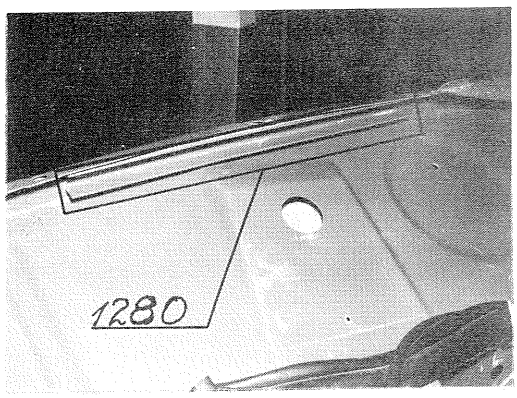
Recognition is valid from.1../10..1972 List..1972/10.....

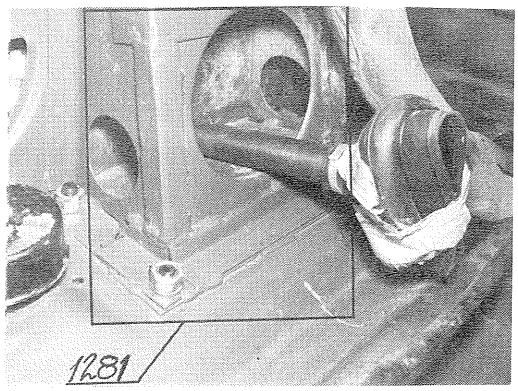
Description of modifications:

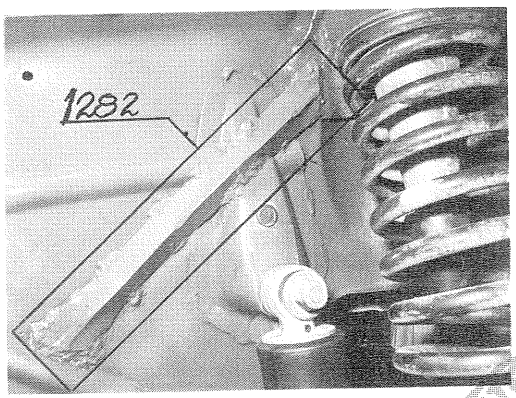
Reinforcement of wheel housing upper No 1280

Reinforcement of wheel housing console No 1281

Reinforcement of shock absorber support upper No 1282







Signature and stamp of the National Sporting Authority:

Signature and stamp of the F.I.A.:

F.I.A. Recognition No 1608 6/6V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - -

Manufacturer SAAB-SCANIA AKTIEBOLAG Model SAAB 96 V 4

Serial Noinaugurating this extension chassis .....

Engine .....

Manufacturing date of the first vehicle constructed with the modifications 1.7.1972

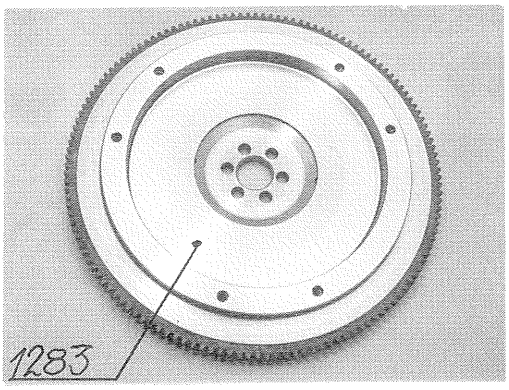
Commercial denomination of modified model SAAB 96 V4

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from.1../.10.1972List...1972/10.....

Description of modifications:

Flywheel, material steel BSEN 47 No 1283
weight 7,5 kgs
diameter 277,4 mm



Signature and stamp of the National Sporting Authority:

SVENSKA [illegible]

Signature and stamp of the F.I.A.:

F.I.A. Recognition No. 1608 7/73

COMMISSION SPORTIVE
60178 11.5.73
INTERNATIONALE

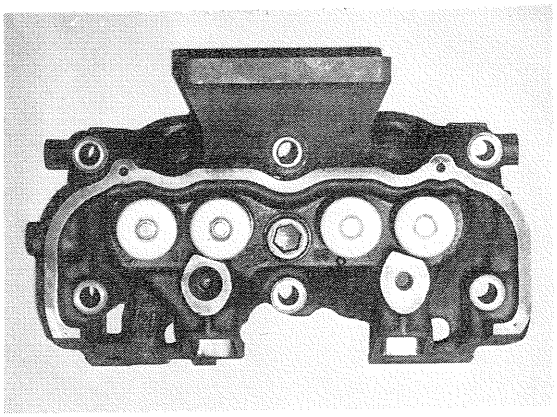
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

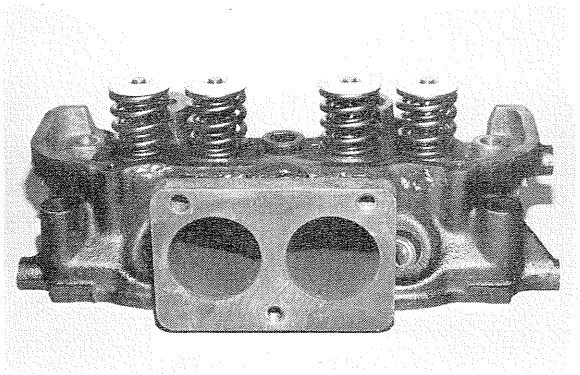
Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

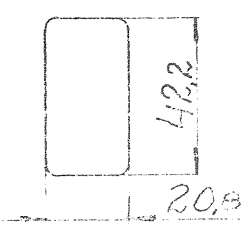
Manufacturer SAAB-SCANIA AKTIEBOLAG	Model SAAB 96 V4
Serial No. inaugurating this extension	Chassis / Engine
Manufacturing date of the first vehicle constructed with the modifications	1.1.1973
Commercial denomination of modified model	SAAB V4
This extension of recognition is considered:	variation – normal development of original vehicle type
Recognition is valid from 1.7.73	List

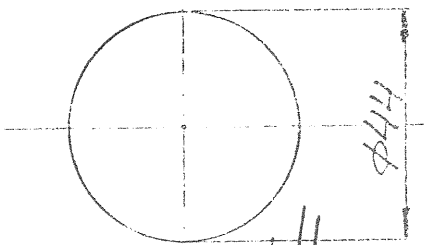
Description of modifications:

Cylinder head	No 1422
Material	Cast iron
Number of inlet ports	2
Number of exhaust ports	2
Compression ratio	9:1
Volume of one combustion chamber	40,22 - 38,22 cm^3









Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Mårk Mobberley

Signature and stamp of the F.I.A.:

FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE
60

F.I.A. Recognition No. 1608 8/73

COMMISSION SPORTIVE
00173 11.5.73
INTERNATIONALE

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

Manufacturer SAAB-SCANIA AKTIEBOLAG	Model SAAB 96 V4
	Chassis
Serial No. inaugurating this extension	Engine
Manufacturing date of the first vehicle constructed with the modifications	1.1.1973
Commercial denomination of modified model	SAAB V4
This extension of recognition is considered:	variation – normal development of original vehicle type
Recognition is valid from 1.8.73	List 73.8

Description of modifications:

Connecting rod No. 1314

Polished and shot peened

Weight including bearing cap, bolts and bearings. 550 gr

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

F.I.A. Recognition No. 1608 9/9V

00175 11.5.73
INTERNATIONALE

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

Manufacturer SAAB-SCANIA AKTIEBOLAG	Model SAAB 96 V4
	Chassis
Serial No. inaugurating this extension	Engine
Manufacturing date of the first vehicle constructed with the modifications	1.1.1973
Commercial denomination of modified model	SAAB V4
This extension of recognition is considered:	variation – normal development of original vehicle type
Recognition is valid from 1.8.73	List 73.8

Description of modifications:

Crankshaft	No 1370
Moulded	
Type	Cast with balance weights
Number of main bearings	3
Surface treatment	Tenifer treated
Stroke	66,8 mm
Main bearing diameter	57,0 mm
Connecting rod, big end bearing dia.	54,0 mm
Weight	11,3 kgs + 0,7 − 0,3

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

F.I.A. Recognition No. 1608 10/10V

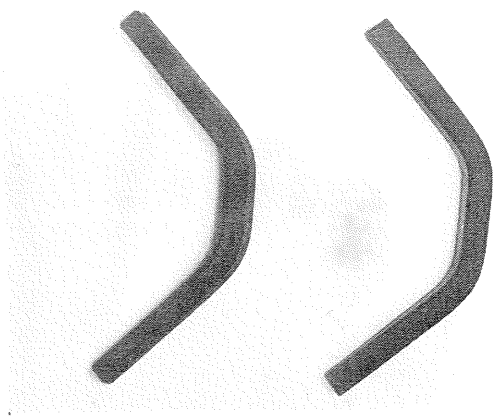
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

Manufacturer	SAAB-SCANIA AKTIEBOLAG	Model	SAAB 96 V4
		Chassis	
Serial No. inaugurating this extension		Engine	
Manufacturing date of the first vehicle constructed with the modifications			1.1.1974
Commercial denomination of modified model			SAAB V4
This extension of recognition is considered:		variation – ~~normal development of original vehicle type~~	
Recognition is valid from	1.7.74	List	

Description of modifications:

Strengthening kit for steering knuckle housing No 15289



Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE SPORTING FEDERATION

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE