

# Saab Sport & Rally

PERFORMANCE PARTS AND ACCESSORIES FOR YOUR SAAB



# SAAB SPORT & RALLY

The history of Saab is studded with a long succession of competition victories, and we confidently expect many more in the future. Our active rallying efforts can very well be regarded as an important part of our car testing activities.

In addition to subjecting new items of equipment to an extremely tough test, competition conditions will reveal any weaknesses in standard equipment, and much of the experience gained in racing is transferred directly to the production models.

So whether you are competition driver or are just looking for sporty accessories, you will find a complete range of these items in this brochure.



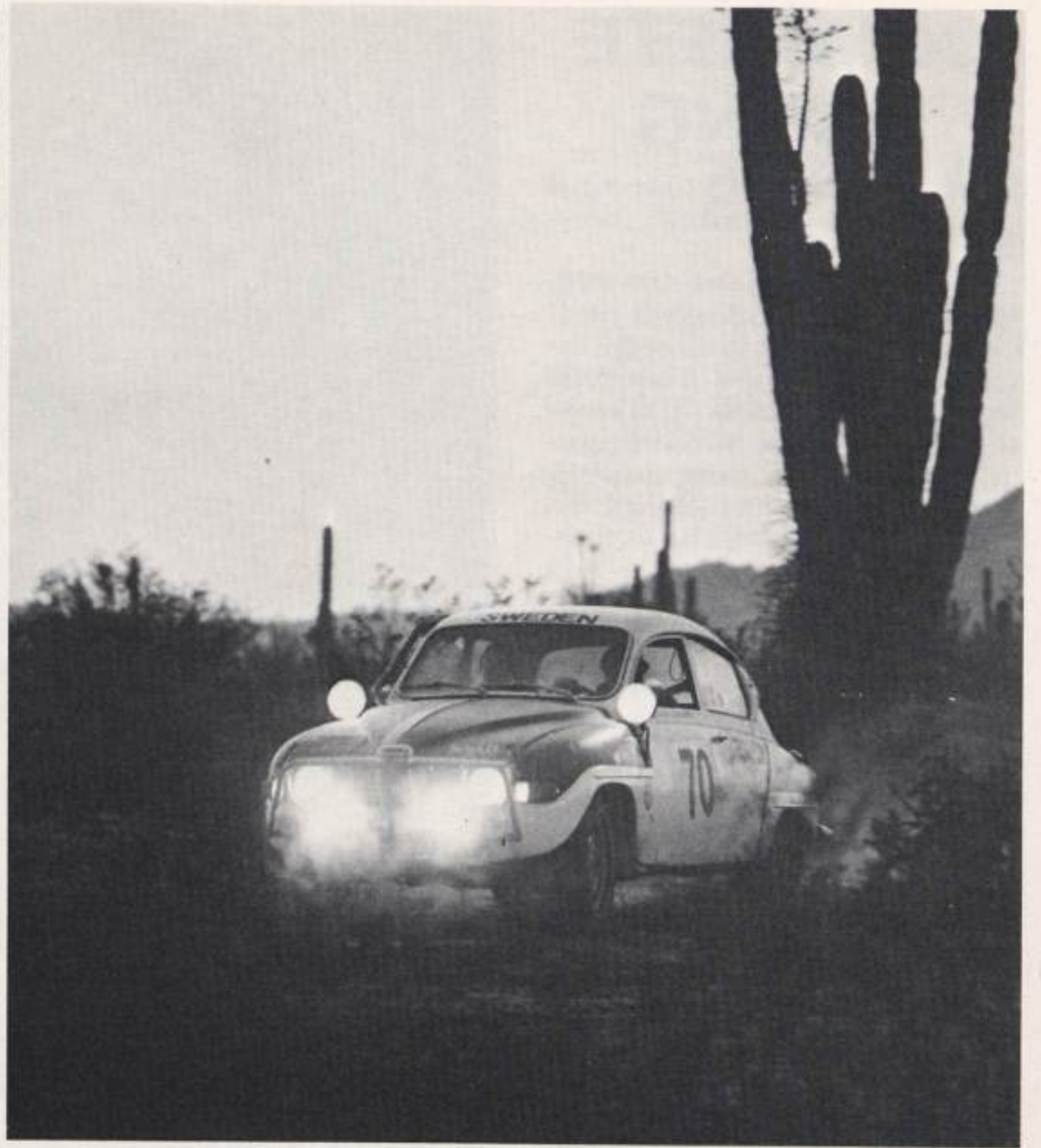
**IMPORTANT NOTICE ABOUT THE SALE AND INSTALLATION OF SPORT AND RALLY EQUIPMENT IN THE UNITED STATES OF AMERICA**  
The installation of Sport and Rally/Competition equipment may violate the Federal Clean Air Act and/or the National and Traffic Motor Vehicle Safety Act, and possibly also state and/or local safety and emissions control laws.

Sport and Rally/Competition equipment sold by Saab-Scania of America Inc. is intended strictly for competition/off road use. Any vehicle which is modified by the installation of Sport and Rally/Competition equipment which adversely affects the vehicle's safety and/or emissions control characteristics may never be used on the public streets or highways.

Without limiting the generality of the foregoing, it must be explained that the slightest change from the standard tune of Saab engines may result in the vehicle no longer complying with applicable emissions control standards.

If a request is received to sell or install any Sport and Rally/Competition equipment, it is the Saab dealer's responsibility to make the customer aware of these restrictions. Should a dealer accommodate a customer's wishes without assuring that the modified vehicle will be used only for off-road/competition activities, the dealer may be subject to penalties under the Clean Air Act and/or the National Traffic and Motor Vehicle Safety Act.





# COMPLETE TUNING KITS

## 1500 cc sports kit for the Saab V4

Complete tuning kit to raise the engine output from 48 kW (65 hp DIN) to 59 kW (80 hp DIN). The kit includes a dual throat, two-stage carburetor, air cleaner, inlet manifold, camshaft, stiffer valve springs, exhaust system and fitting components. In spite of the uprated engine, the fuel consumption will be only slightly higher.

11247 Sports kit

## 1700 cc sports kit for the Saab V4

The engine displacement is increased to 1700 cc and the output is raised from 48 kW (65 hp DIN) to 66 kW (90 hp DIN). The kit contains the same components as 11247, and in addition:

15081 4 complete pistons with connecting rods.

(10)8848269 crankshaft.

## 1700 cc rally kit for the Saab V4

Suitable tuning kit for beginners in Special Class rallies. The kit consists of a dual throat, two-stage Weber carburetor, air cleaner, inlet manifold, camshaft, stiffer valve springs, engine mountings, oil pump springs, harder pressure plate and clutch plate, crankshaft, pistons and exhaust system.

14001 Basic kit

Cylinder head kit, consisting of two machined cylinder heads with larger inlet and exhaust passages and larger valve seats. In addition, stiffer valve springs and retainers are included.

13995 Cylinder head kit

Larger inlet and exhaust valves (10090 and 10108), stiffer valve springs (10116) and valve spring retainers (10876), lighter valve tappets (10132) and collars (8833956).

## Sports kit for Saab Sonett III

Complete tuning kit in two stages. Stage I increases the engine output from 48 kW (65 hp DIN) to 59 kW (80 hp DIN). Stage II increases the output to 66 kW (90 hp DIN).

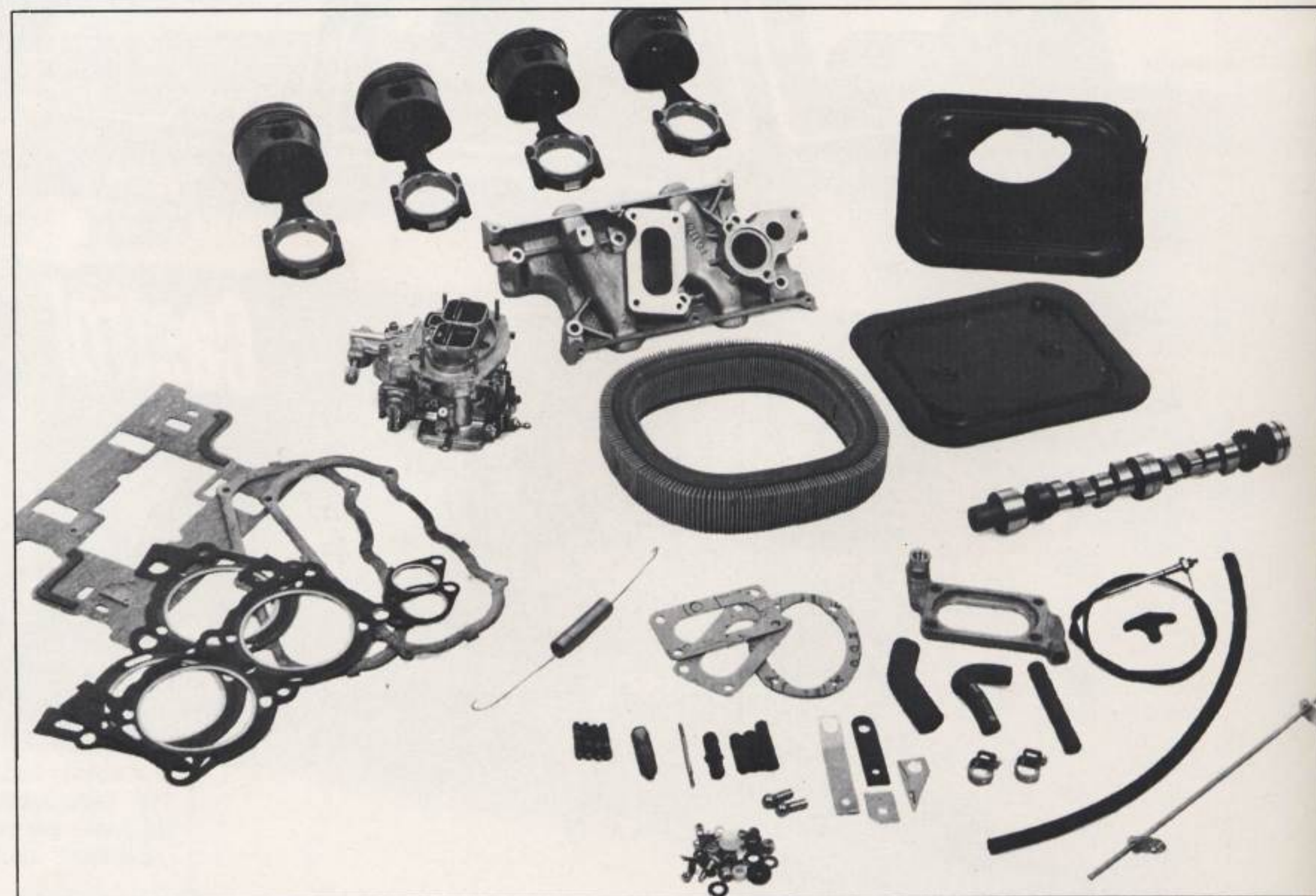
Stage I:

13953 Basic kit

Stage II:

13953 Basic kit

15081 Piston with connecting rods (4)



# ENGINE

**Complete competition engines**  
Supplied to meet individual requirements. Please ask for a quotation.

**Cylinder head for the Saab V4**  
13995 Cylinder head kit complete  
(see rally kit 14001/13995).

Machined and polished cylinder head with larger flow passages, larger inlet and exhaust valves, stiffer valve springs, and retainers.

12849 Cylinder head kit complete  
(single port).

Cylinder head with double exhaust ports, larger exhaust passages, separate valve guides, and modified for larger valves (38 mm dia. exhaust, 44 mm dia. inlet). Increases the output by 9–11 kW (12–15 hp DIN). Delivered individually.

14225 Cylinder head. Note Two heads are required per engine.

## Engine block Saab V4

Reconditioned engine blocks with new cam- and balancshaft bearings. Bored and honed to 90.5, 91 or 93 mm.

22905 Cylinder diam., 90.5 mm.

22913 Cylinder diam., 91 mm.

22921 Cylinder diam., 93 mm.

## Cast pistons for the Saab V4

Complete with piston rings and connecting rod. Standard diameter or oversize available.

15081 90 mm diam., 1698 cc

15099 91 mm diam., 1740 cc

## Forged high-compression pistons for the Saab V4

Including gudgeon pin and piston rings. Made of the highest grade of aluminium. Only oversize pistons available.

10041 91 mm diam., 1740 cc

12732 93 mm diam., 1815 cc

## Connecting rod for the Saab V4

Reinforced by polishing and shot-peening.

13144 Connecting rod

## Crankshafts for the Saab V4

(10)8848269 Crankshaft  
(Included in the 1700 cc rally kit).

Modified crankshaft for engines developing about 88 kW (120 hp DIN) and above.

10629 Crankshaft.

Specially hardened by tenifer treatment for increased strength (1700 cc). Should be used in highly tuned competition engines.

13706 Crankshaft.

## Flywheel for the Saab V4

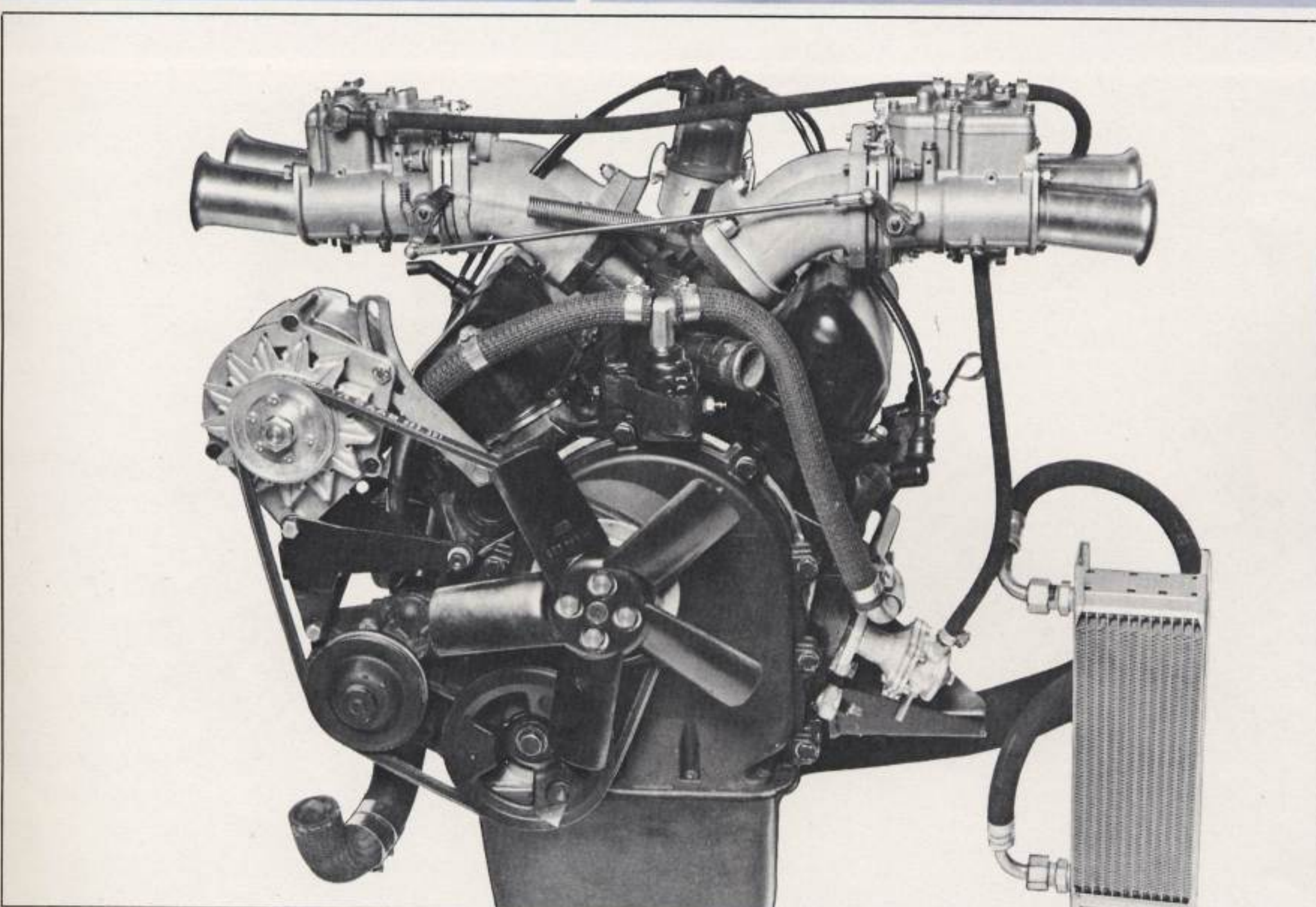
Made of cast iron. Weight reduced to 5.2 kg to give a livelier engine (standard weight 7.3 kg).

11692 Flywheel.

Forged steel flywheel. Recommended for high-performance engines with high engine speeds.

13656 Flywheel

(10)8810699 Flywheel ring.



# ENGINE

## Camshafts for the Saab V4

Available with three alternative cam profiles for various duties.

Lift of 7.2 mm for highway and rally driving.

10074 Camshaft

Lift of 7.6 mm for rally or autocross competitions.

10082 Camshaft

Lift of 8.3 mm for rallycross and track racing.

12765 Camshaft

(10)8810277 Camshaft steel gear.

## Inlet and exhaust valves for the Saab V4

Larger valves made of a harder alloy, with chromium-plated stems for reduced wear.

10090 42 mm diam. inlet

10108 37 mm diam. exhaust

11684 44 mm diam. inlet

11676 38 mm diam. exhaust

## Valve springs for the Saab V4

Made of a modified chrome-vanadium alloy which is harder than the standard material. For maximum strength.

10116 Valve spring.

## Valve spring retainers for the Saab V4

Essential for fitting larger valves. Made of aluminium.

10876 When fitting for the first time

10124 Used when overhauling.

## Valve tappets for the Saab V4

Specially designed for high-speed competition engines. Weight 79 g (standard 104 g).

10132 Valve tappets.

## Separate valve guides for the Saab V4

11726 Suitable for 42 mm inlet valve and 37 mm exhaust

15057 Suitable for 44 mm inlet valve and 38 mm exhaust

13664 Oil seal.

## Rocker arm unit for the Saab V4

Provides higher peak engine speed and reduced need for valve clearance adjustment. Reinforced bearing housings and extra retaining bolts.

Note: Two required per engine.

13045 Rocker arm unit.

## Cylinder head gaskets for the Saab V4

Complete kits made with reinforced steel edging.

10173 Gasket

11734 Gasket (for "grey engine").

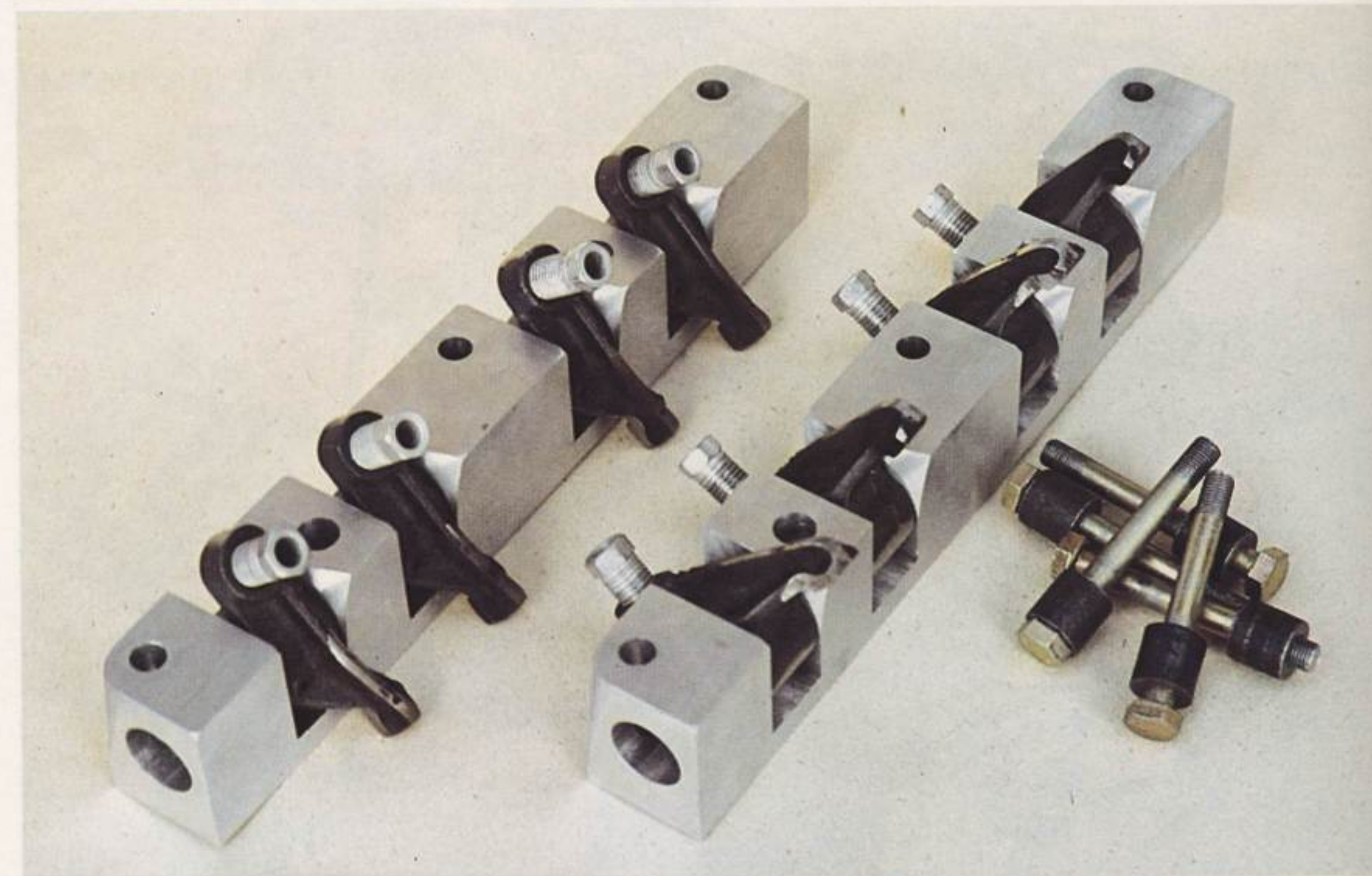
Gasket and seal kits for highly tuned competition engines.

10157 Gasket kit, 91 mm cylinder bore

10165 Seal kit, 91 mm cylinder bore

10157 Gasket kit, 93 mm cylinder bore

12740 Seal kit, 93 mm cylinder bore





**Oil pump springs for the Saab V4**  
Used for all tuning. Increases the oil pressure to 7.9 kg/cm<sup>2</sup>.  
10140 Oil pump spring.

**Special radiator for the Saab V4**  
Prevents overheating of a highly tuned engine.  
11668 Radiator  
11643 Expansion tank

**Oil cooler**  
Complete oil cooler kits, specially designed for tuned engines developing more than 74 kW (100 hp DIN).  
12302 Oil cooler for the Saab V4  
15933 Oil cooler for the Saab 99 2-litre  
14472 Thermostat



## IGNITION AND ELECTRICAL SYSTEM

**Transistor ignition**  
Provides a higher arc voltage across the electrodes of the sparking plug. Ensures easier starting, and the engine runs more smoothly.  
20123 Ignition kit

**Ignition coil**  
High-performance coil which must be fitted in conjunction with changing over to the electronic ignition system.  
20115 Coil

**Cable kit for transistor ignition**  
20131 Cable kit

**Ignition distributor for the Saab V4**  
This longer distributor must be fitted in conjunction with fitting the carburetor kit 13607.  
12591 Distributor

**Breakerless ignition system**  
Converting kits for Bosch Ignition including ignition coil, trigger box, fallast resistor, transmitter and mounting details.  
22384 Saab V4 1972-  
22392 Saab 99 1972-

**Sparking plugs for the Saab V4**  
Plugs for tuned engines.  
10991 Long thread (for "blue" and "black" engines).  
11767 Short thread (for "grey" engines)

**Alternator for the Saab V4**  
14 Volt, 55 Ampere, 770 W alternator.  
(10)8530446 Alternator  
13102 Pulley.



# FUEL SYSTEM

## Carburetor for the Saab V4

7282312 Solex 32TDID, dual throat, two-stage (included in sports kit 11247).

13524 Weber 32-36 DFV, dual throat, two stage (included in rally kit 4001).

Inlet manifold, air cleaner, controls and fitting components are not included.

## Carburetor kit for the Saab V4

Complete kit consisting of two Weber 45 DCOE-16S dual throat horizontal carburetors, including fitting components.

13607 Carburetor kit.

Inlet manifold, air cleaner, controls, ignition distributor and fitting components are not included.

## Petrol pump for the Saab V4

High-capacity type used in conjunction with the fitting of special carburetors to 1972 and earlier model cars.

8860314 Petrol pump.

## Petrol tank for the Saab V4

Special tank with a capacity of 70 litres (15.4 Imp. gal).

10330 Tank

10355 Cover

10348 Fitting components

11593 Tank pick-up for fuel gauge.

# EXHAUST SYSTEM

## Sports system for the Saab V4

Exhaust system with low resistance to flow. Increases the engine output by 4-5 kW (5-6 hp DIN). Included in sports kit 11247.

## Competition system for the Saab V4

Reinforced sports system. Increases the engine output by 4-5 kW (5-6 hp DIN). Included in rally kit 14001.

## Single-port competition system for the Saab V4

This exhaust system is designed exclusively for competition driving. Provides maximum engine output and is capable of withstanding very rough treatment.

## Twin-port competition system for the Saab V4

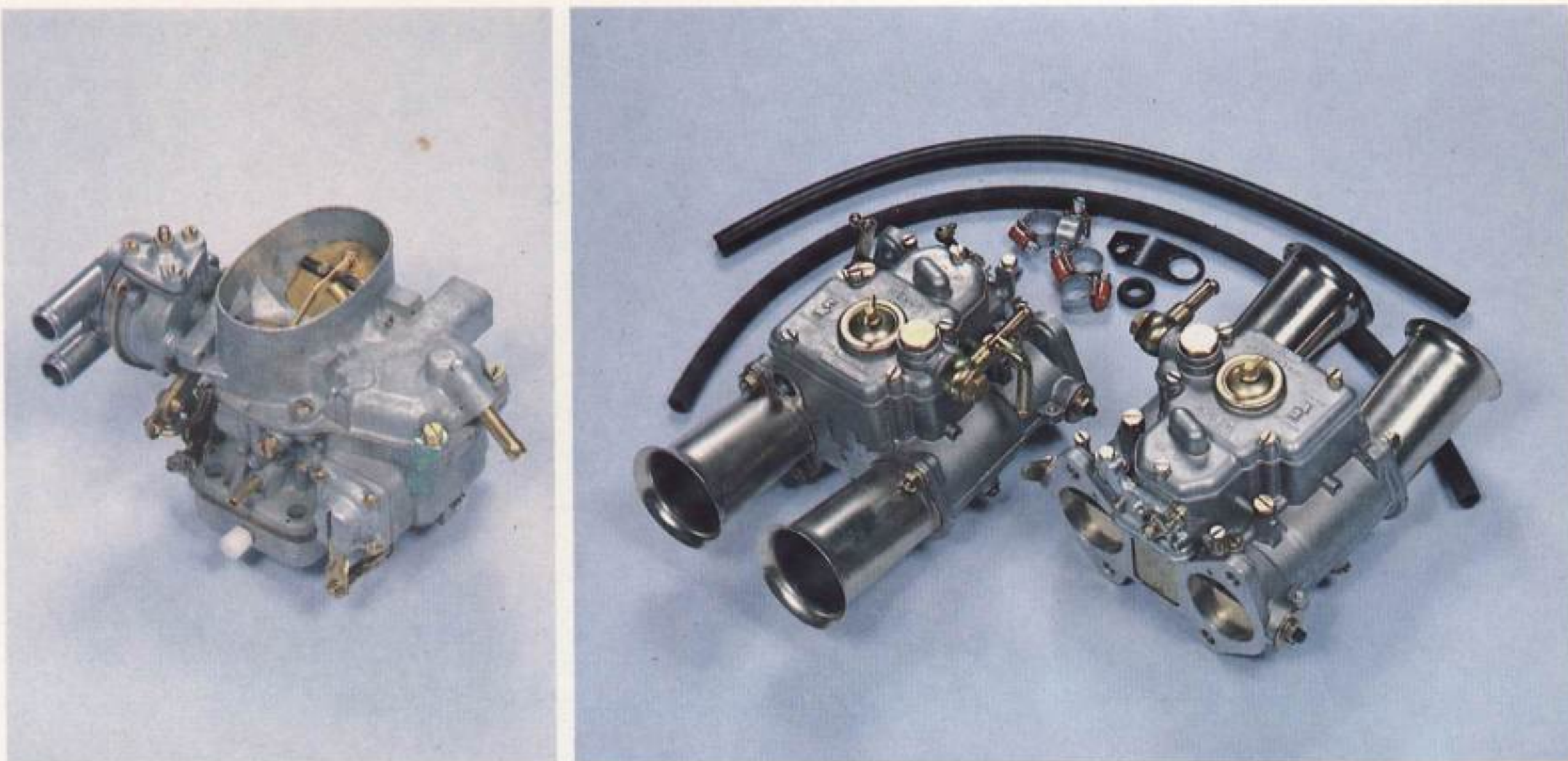
54 mm system which is necessary if the cylinder head has twin ports.

## Sports system for the Saab 99 2-litre

Exhaust system with low resistance to flow. Increases the output of a standard carburettor engine by 4-7 kW (6-10 hp DIN).

## Competition system Saab 99

Headers constructed for highest performance.





# POWER TRANSMISSION



**Clutch for the Saab V4**  
With reinforced springs in the pressure plate.  
10520 Clutch

**Diaphragm spring clutch for the Saab V4**  
With pressure plate made of aluminium and steel case. Recommended for highly tuned engines.  
13409 Clutch

**Clutch plates for the Saab V4**  
Reinforced clutch plate for use when clutch 10520 is fitted.  
11312 Clutch plate

Clutch plate with hard friction lining and sturdy hub for use in conjunction with clutch 13409.  
13391 Clutch plate

**Gear kits, close ratio**  
The gears are recommended for modifying the gearbox ratios, for optimum utilisation of the engine output.  
10850 Special I, Saab V4  
10868 Special II, Saab V4  
15354 Saab 99

**Speedometer gears for the Saab 99**  
Made of steel for competition boxes.  
21493 Gear  
21505 Gear

**Gear shifter for the Saab 99**  
15784 Reinforced gear shifter.

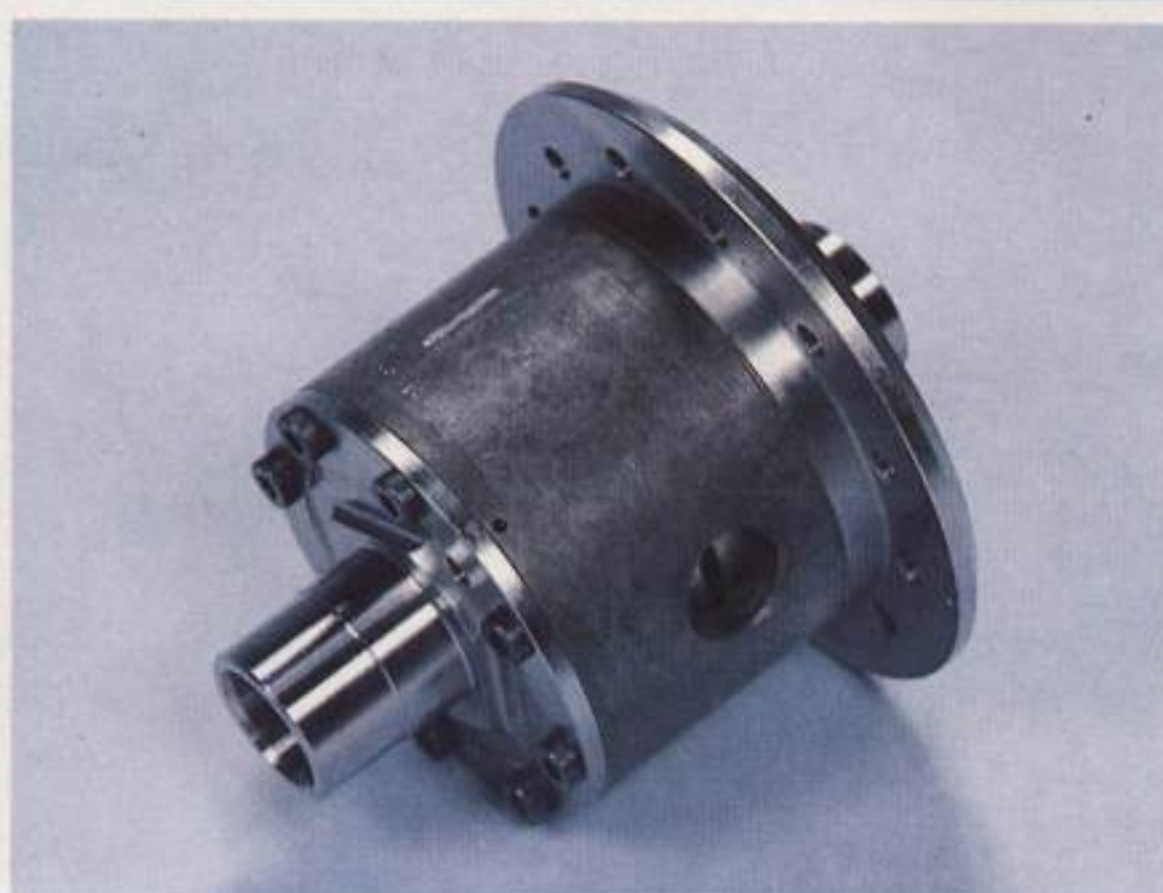
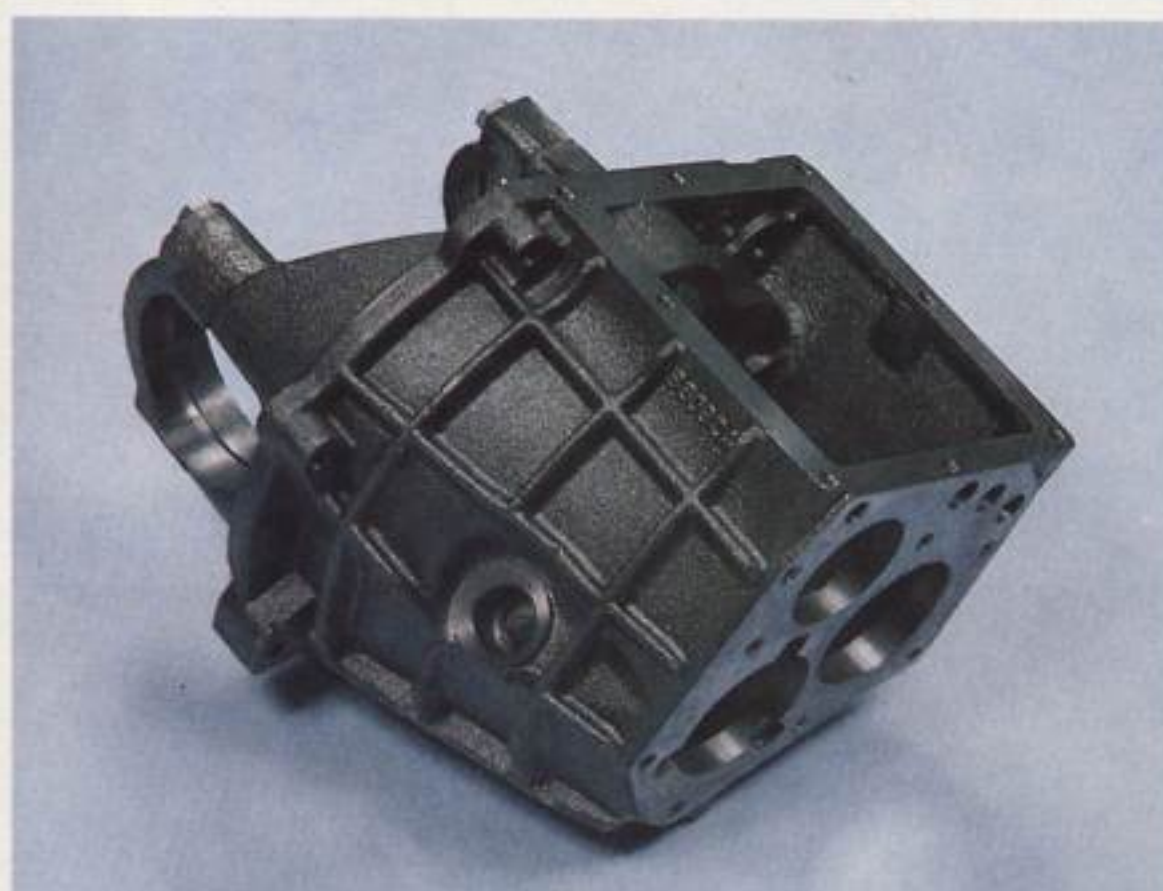
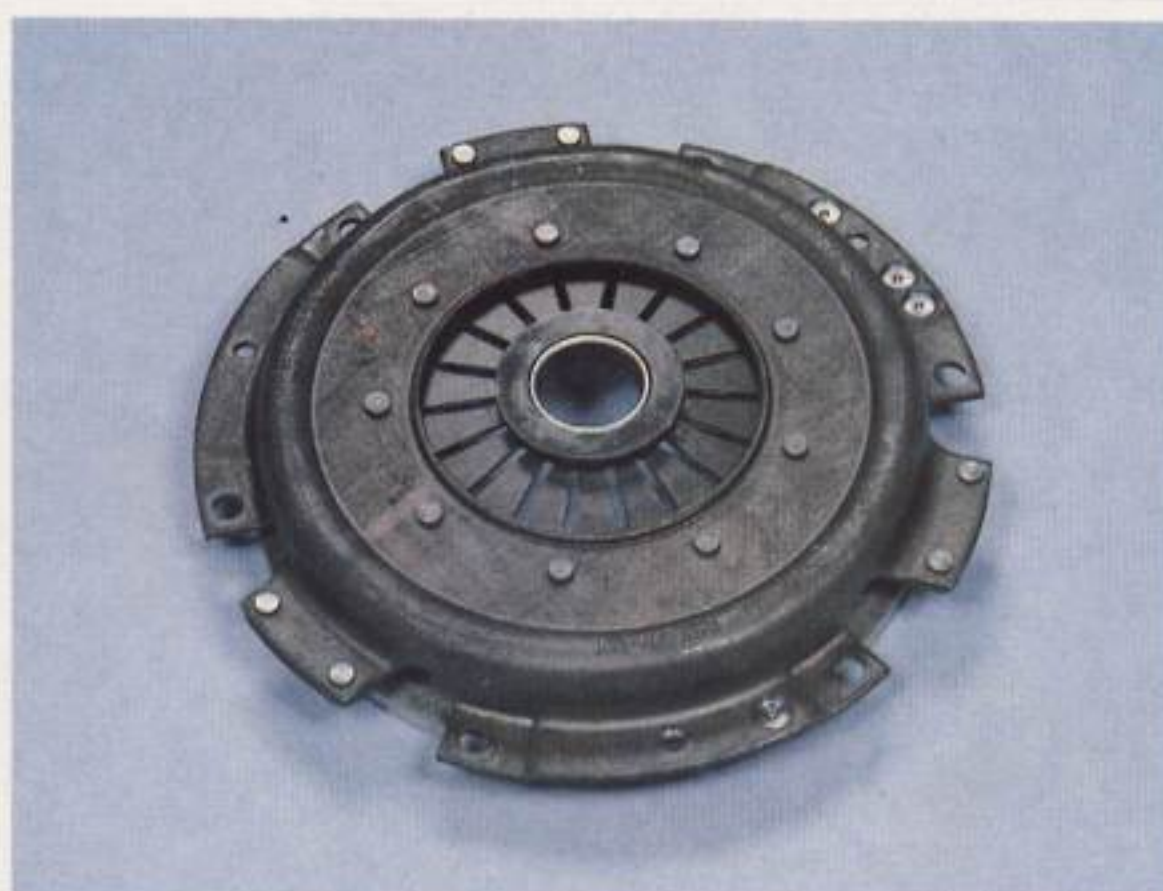
**Gear box house for the Saab V4**  
Made of cast iron for competition in group II.  
10512 Gear box casing

**Final drive for the Saab V4**  
The overall ratio in all gears is reduced by reducing the final drive ratio, and this is very important for competition driving. All final drive components are specially made of a high-grade steel alloy.  
10488 Daldi 6:35  
10496 Daldi 7:38  
(10)7819972 Dana ENV 7:38  
(10)7836299 7:36 Group 1

**Final drive for the Saab 99 2-litre**  
15362 Daldi 6:31  
15537 Spacer ring for final drive

**Primary gears**  
Gives 5% lower ratio than standard.  
22691 Gear  
22809 Shaft  
22817 Intermediate gear.

**Differential brakes**  
Differential brakes are recommended for competition driving and driving on rough roads.  
22533 Diff brake for the Saab V4  
15552 Diff brake for the Saab 99  
15800 Differential house locking for the Saab 99  
15925 Distance ring for pinion.



# WHEEL AND SUSPENSION

## Springs

Stiffer springs designed specially for competition driving.

- 10579 Front spring for the Saab V4
- 10884 Spring support for the Saab V4. This support is necessary for front spring 10579.
- 21578 Front spring for the Saab 99
- 10587 Rear spring for the Saab V4
- 14647 Rear spring for the Saab 99

## Modified wishbones

- 14670 Left-hand lower Saab V4
- 14688 Right-hand lower Saab V4
- 14662 Upper Saab V4
- 21139 right-hand upper Saab 99
- 21147 left-hand upper Saab 99
- 21154 right-hand lower Saab 99
- 21162 left-hand lower Saab 99

## Steering spindle housing, Saab V4

Modified and approved competition.

- 15289 Housing

## Rear drag link for the Saab V4

This drag link is reinforced.

- 10892 Drag link

## Rear axle for the Saab V4

This rear axle is reinforced.

- 10611 Axle

## Shock absorbers (Bilstein)

Absorbers of the pressurised gas type and particularly suitable for competition driving.

- 22673 Front, Saab V4
- 22681 Rear, Saab V4
- 22277 Front, Saab 99
- 22285 Rear, Saab 99
- 22947 Shock absorber bracket, rear Saab 99

## Set of brake

Pads suitable for extremely hard driving.

- 10561 (Ferodo DS 11) Saab V4
- 22616 (Textar T 268) Saab V4
- 14563 Front, up to and including model 1974, Saab 99
- 14571 Rear, up to and incl. model 1974 and from 1976, Saab 99
- 15735 Front, 1975 and later models, Saab 99
- 15743 Rear, 1975 and 1976 year models, Saab 99

## Wheels

Exclusive cast aluminium wheels of the highest quality. Approved for mounting on the Saab.

### 4 1/2" light alloy wheels, Saab V4

- 16667 Wheel
- 16154 Bolts and centre cap

### 5" light alloy wheels, Saab 99

- 22319 Wheel (black)
- 17772 Wheel (gold)
- 16170 Bolts and centre cap

### 5 1/2" light alloy wheels, Saab 99

- 22343 Wheel
- 22483 Centre cap
- 11973 Wheel nut

### 5 1/2" light alloy wheels for competition, Saab 99

- 22376 Wheels incl. centre cap
- 11973 Wheel nut



# EXTRA LIGHTS



## Cornering and fog lights

10819 Bosch 180  
12419 Hella 192

## Spot lights

10827 Bosch 180  
15883 Bosch 190  
12427 Hella 192  
20065 Bosch 180 Maxi

## Mounting brackets for extra lights

Specially designed for competition driving.

10751 Saab V4  
15503 Saab 99

## Stays for the extra lights for the Saab V4 and 99

(40)207626003 Hella  
(40)207625005 Bosch.

## Rev. counter kit for the Saab V4

Designed to be mounted on the steering wheel column. Easily readable graduation on black background. Adjustable pointer for max. engine speed.

14324 Revolution counter  
12161 Rev. counter bracket.

## Rev. counter with a clock for the Saab 99

Transistorised rev. counter combined with an electric clock for fitting in the clock recess of 1971 and later models.

(10)9510281 With black figures  
(10)8513970 With orange figures  
(10)8531170 With orange figures and with a quartz-clock

## Map-reading lamp for the Saab V4 and 99

Movable, non-dazzling map-reading lamp with push-button switch.

22283 Lamp

## Map pocket for the Saab V4 and 99

A very useful pocket made of soft plastic for fitting below the dashboard.

10785 Map pocket

## Trip meter (kilometre)

Precision instrument with clearly visible figures. Three counters, of which two record tens of metres. Fast resetting and change-over for addition, disengagement and subtraction. Complete with driving cable and T-gear.

10793 Trip meter

## Trip meter mounting for the Saab V4

For convenient mounting in the glove compartment.

10801 Trip meter bracket



# GUARD PLATES AND BODY AC- CESSORIES

The sump guards are made of 5 mm thick aluminium alloy with reinforcing members of spring steel.

## Sump guard for the Saab V4

- 13219 Sump guard group I
- 13227 Sump guard group II
- 10660 Front mounting group I
- 10678 FrontmountinggroupII
- 10645 Left-handmounting
- 10686 Right-hand mounting

## Sump guard for the Saab 99

- 15040 Sump guard
- 14985 Mountings for models up to 1975 incl.
- 14993 Mountings for 1975 and later models.

## Tank guard for the Saab 99

- Made of profiled steel
- 15297 Up to and incl. model 1974
- 15792 1975 and later models.

## Modification kit for wheel housings for the Saab V4 and 99

- 11833 Saab V4
- 14621 Saab 99

## Wing extension kit

- 10702 Saab V4
- 23010 Saab 99

## Roll bars for the Saab V4 and 99

Approved. Of extra sturdy design. Mandatory for international competitions.

- 10694 Saab V4
- 15214 Saab 99
- 10900 Padding for 10694 and 15214 made of black quilted leatherette.

## Safety cage

Compulsory at Rally-Cross

- 22152 Saab 99
- 22848 Saab V4
- 10900 Padding made of black quilted leatherette.

## Bonnet strap for the Saab V4

Made of leather. Used for securing the bonnet in competition events.

- 11809 Strap

## Rubber strap for the boot lid or bonnet of the Saab V4 and 99

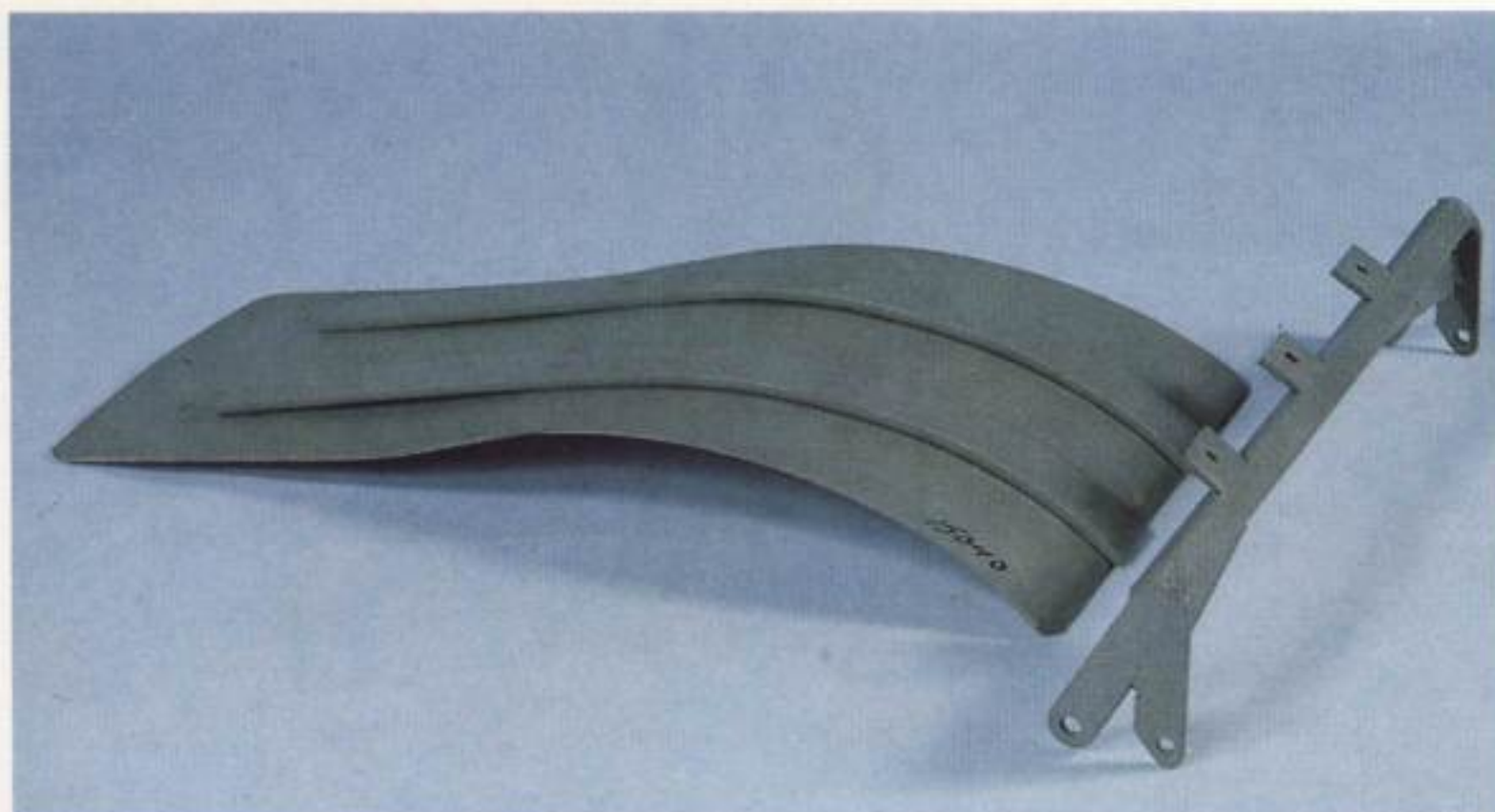
For locking the boot lid or bonnet in competition events.

- 22301 Strap

## Spoilers

Made of black, non-fading plastic. Designed to lower the drag and reduce the petrol consumption. Delivered in complete kits with mounting instructions. Delivered unpainted and without accent stripes.

- 21972 Front spoiler for the Saab 99
- 16451 Rear spoiler for the Saab 99 CC
- 21196 Front spoiler for the Saab 95 and 96
- 21600 Rear spoiler for the Saab 99 Sedan





- Decals**
- 22855 black "Saab"
  - 22863 silver "Saab"
  - 22871 gold "Saab"
  - 11866 White, transparent, "Saab Sport & Rally" 410 mm
  - 11882 White, transparent, "Saab Sport & Rally" 530 mm
  - 15487 Black, transparent, "Saab Sport & Rally" 410 mm
  - 15495 Black, transparent, "Saab Sport & Rally" 530 mm
  - 16030 "Team Saab 96"
  - 16022 "Team Saab EMS"



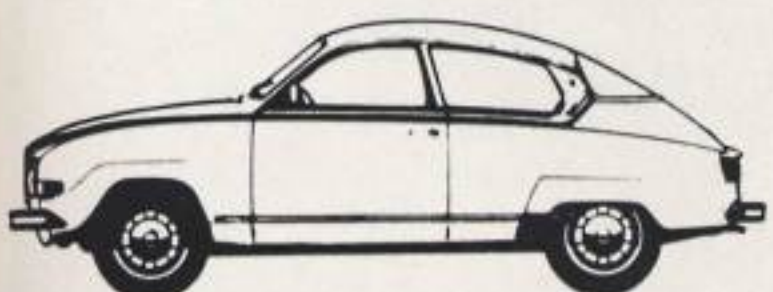
- Saab 99 and V4 (Front spoiler stripes)**
- 16378 black
  - 16402 silver
  - 16386 gold
  - 16394 white

- Saab 99 Sedan (Rear spoiler stripes)**
- 22111 black
  - 22129 silver
  - 22137 gold
  - 22145 white

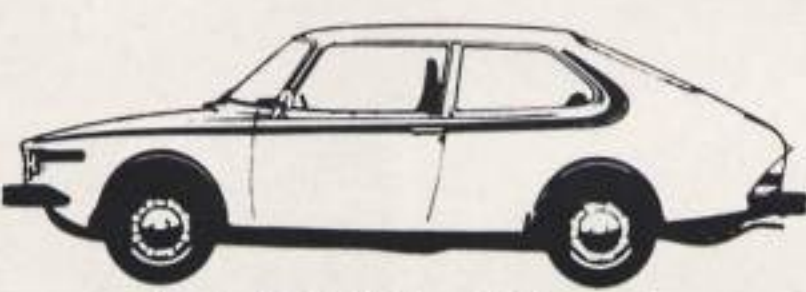
- Saab 99 Combi Coupé (Rear spoiler stripes)**
- 16410 black
  - 21964 silver
  - 16428 gold
  - 16436 white

## USEFUL HINTS

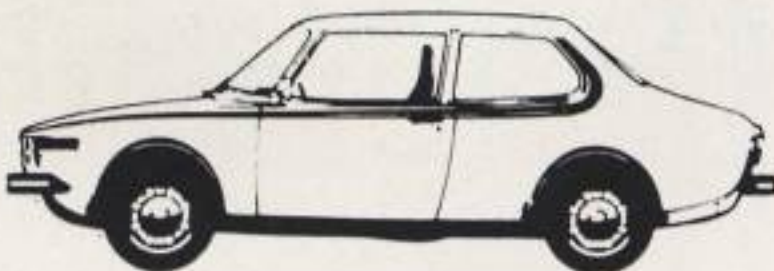
*The accent stripe has been introduced in order to give you the possibility to make the appearance of your Saab smarter and more personal. It is available in the colours white and black for the Saab V4 and in white, black, gold and silver for the Saab 99. Here are a few examples of how you can match accent stripe-body colour: black car-golden or silver stripe; light-blue car-black, white, golden or silver stripe; dark-blue car-white, silver or golden stripe; red car-white stripe; white car-black stripe; light-brown car-white, black or golden stripe; dark-brown car-golden stripe; light-green car-black, golden or white stripe; dark-green car-white or golden stripe; silver-coloured car-black stripe; yellow car-black stripe.*



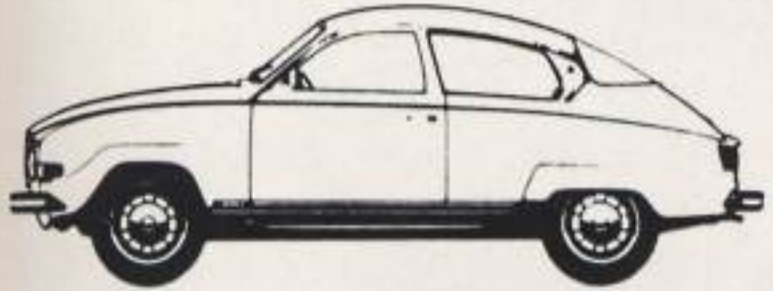
**Saab 96**  
22103 black (Bonnet and window frames)



**Saab 99 3-d Combi Coupé**  
15149 black  
21543 silver  
25256 gold  
25264 white



**Saab 99 2-d Sedan**  
15321 black  
15347 silver  
16618 gold  
16626 white



**Saab V4**  
20073 black  
20081 white

**Saab 99 4-d Sedan**  
22582 black  
22590 silver  
22608 gold



# MISCELANEOUS EQUIPMENT

## Leather-covered steering wheels

Elegant steering wheel with black-anodized spokes and a thick rim. N.B. The only approved sport steering wheels to be mounted in Saab cars.

12401 Saab 95 and 96  
15305 Saab 99

When mounting a steering wheel in Saab V4 as from 1975 B the following is needed:

7343825 sliding contact  
7922628 screw

## Recaro competition seats for the Saab V4 and 99

Comfortable competition seats of extremely high quality. The seats are built up on a tubular steel frame. The seats are upholstered with corduroy with leatherette trim on the sides and leatherette back. The backrest of the co-driver's seat is steplessly adjustable in rake down to the horizontal position. The seats are allowed for installation in Saab V4 and Saab 99.

10710 Driver's seat for all models  
14506 Driver's seat for all models  
14779 Co-driver's seat for all models  
11551 Head restraint for seats 10710 and 14506  
15560 Head restraint for set 14779  
10736 Left-hand and right-hand mounting rails for the Saab V4  
14654 Left-hand mounting rails for the Saab 99  
15545 Right-hand mounting rails for the Saab 99

## ASS competition seats

Competition seats of high standard with regard to both quality and comfort.

22400 Driver's seat  
22418 Co-driver's seat  
22426 Head restraint for co-driver's seat  
22459 Left-hand mounting rails for the Saab 96  
22574 Right-hand mounting rails for Saab 96  
22434 Left-hand mounting rails for the Saab 99  
22442 Right-hand mounting rails for the Saab 99

## Fire extinguisher

Effective, easily handled and reliable fire extinguisher for car, boat, caravan, etc. The 2-kg extinguisher is the only 2-kg extinguisher on the market approved in all fire classes, class ABE II.

115121006 1 kg  
115122004 2 kg





#### First-aid kit

You never know when you may need it. The pad is soft and light in order not to cause any damages in connection with e.g. sudden retardations. The content is in accordance with the recommendations of the Swedish Social Welfare Board. Sticker for the side window is attached.

115130007

## PERSONAL EQUIPMENT

#### Helmets

The helmets are approved for competition drivers by the Swedish Standards Association, the Swedish Motor Federation and the Swedish Motor Sports Association.

- 20142 Helmet, red (Small)
- 20420 Helmet, red (Medium)
- 20446 Helmet, red (Large)
- 20461 Helmet, blue (Small)
- 20479 Helmet, blue (Medium)
- 20487 Helmet, blue (Large)
- 20503 Visor, black

#### Safety harness

Four-point racing harness with lap strap and shoulder strap made of black nylon fabric. Adjustable. Quick-release fastener. Complete with mountings.

- 12286 Britax safety harness
- 21683 Klippan safety harness

#### Summer jacket

Sporty jacket of high quality.

#### Winter jacket

Polyurethane-covered jacket of dark-blue antigliss nylon. Nice and warm.

- Saab winterjacket.
- Saab winterjacket for children.

#### Spring/Autumn jacket

- Saab Spring/Autumn jacket
- Saab Spring/Autumn jacket for children

#### Overall

Non-inflammable overall for competitions

- 21907 Overall, size 48 (small)
- 21915 Overall, size 50 (medium)
- 21923 Overall, size 52 (large)
- 21931 Overall, size 54 (ext. large)

#### Sport & Rally manual

Comprises the whole of the Sport & Rally assortment with tested details, tuning accessories, tuning instructions and FIA-certificate.

(75)179382

# Saab Sport & Rally

PERFORMANCE PARTS AND ACCESSORIES FOR YOUR SAAB

