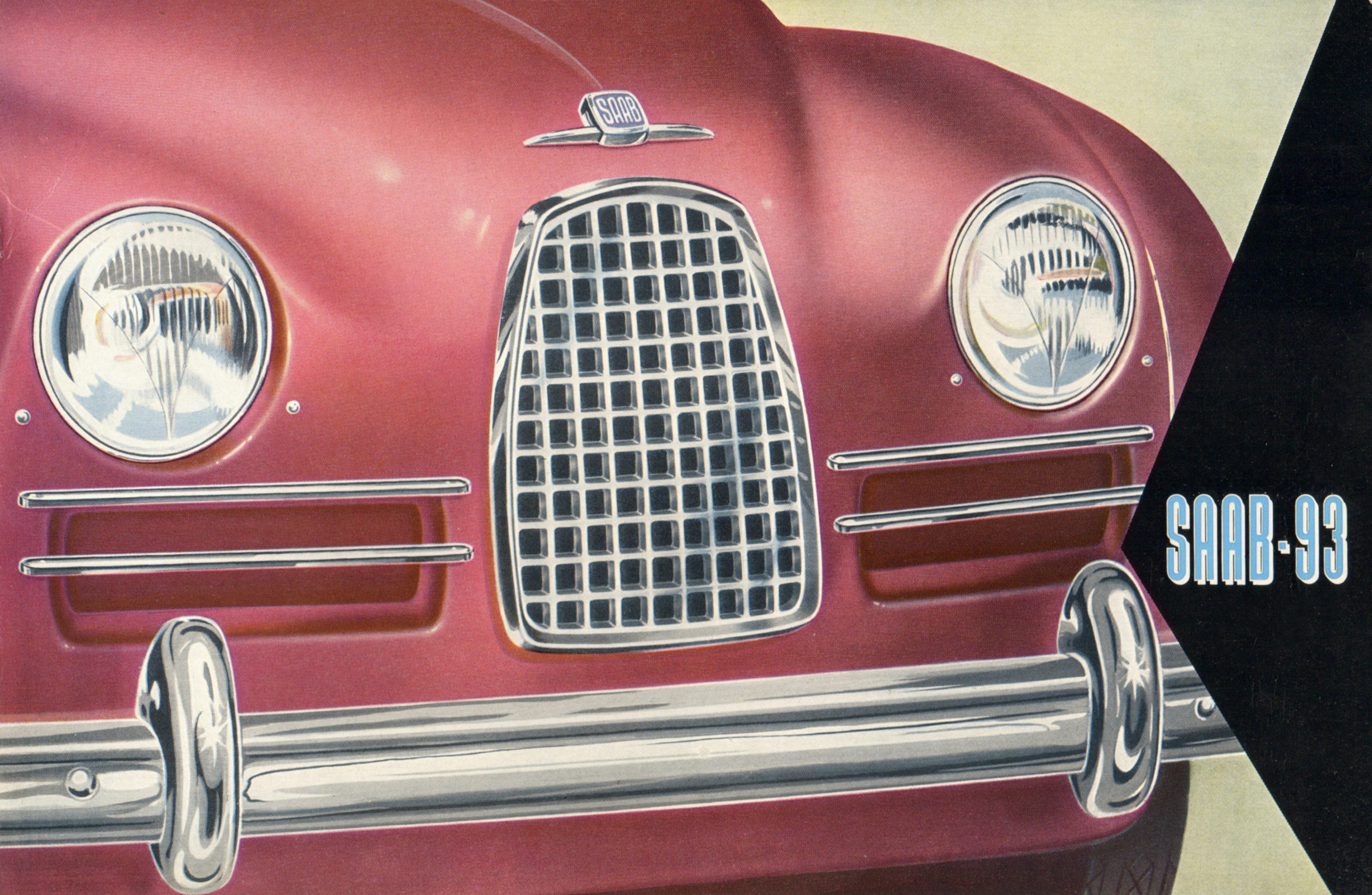
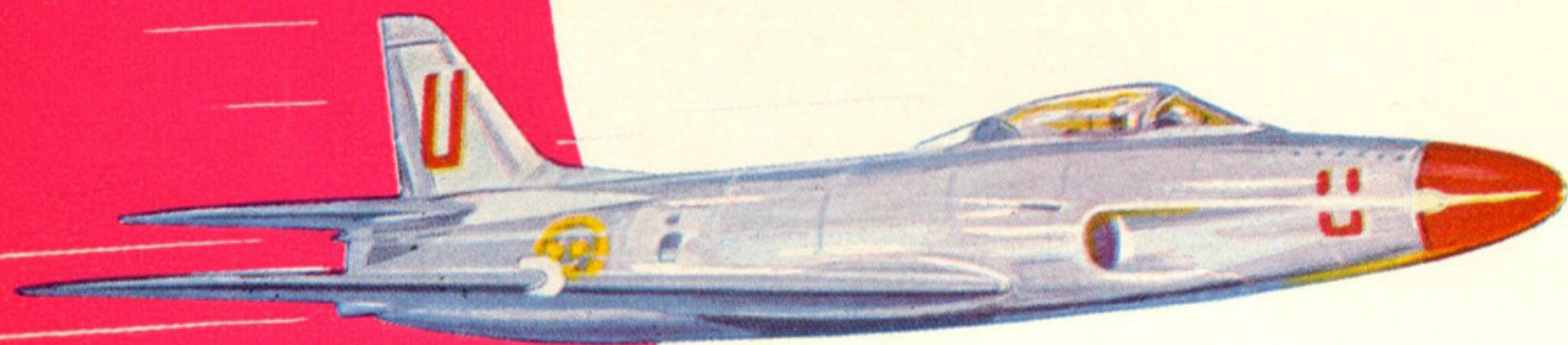




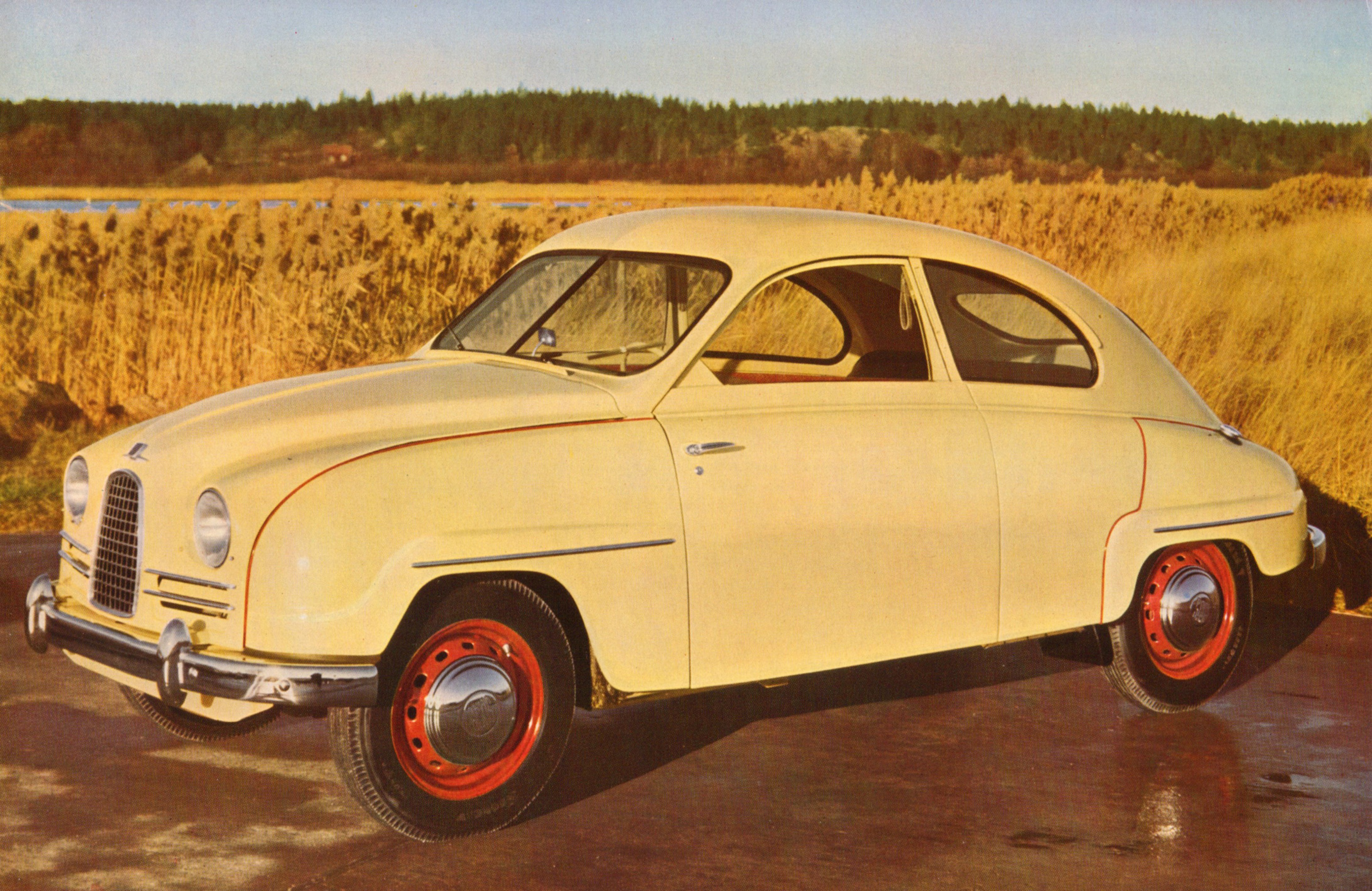
SAAB-93



**S**VENSKA **A**EROPLAN **A**KTIE **B**OLAGET introduces the long awaited Saab-93 private motor car. The Saab-93 is a four-seater saloon with two doors and front-wheel drive. It is the logical development of the Saab-92 car, and the designers have applied to it the experience gained during the past few years. The outstanding performance of the new three-cylinder two-stroke engine is combined with smooth and vibration-free operation and low fuel consumption. The novel suspension system gives the car greater adaptability to town traffic, improved road holding characteristics, and striking driving comfort. As with the Saab-92, the strong self-supporting steel body of the Saab-93 gives inestimable driving safety; however, the appearance of the Saab-93 is more modern and elegant without encroaching on the exceptional roominess and without detracting from its carefully streamlined shape.

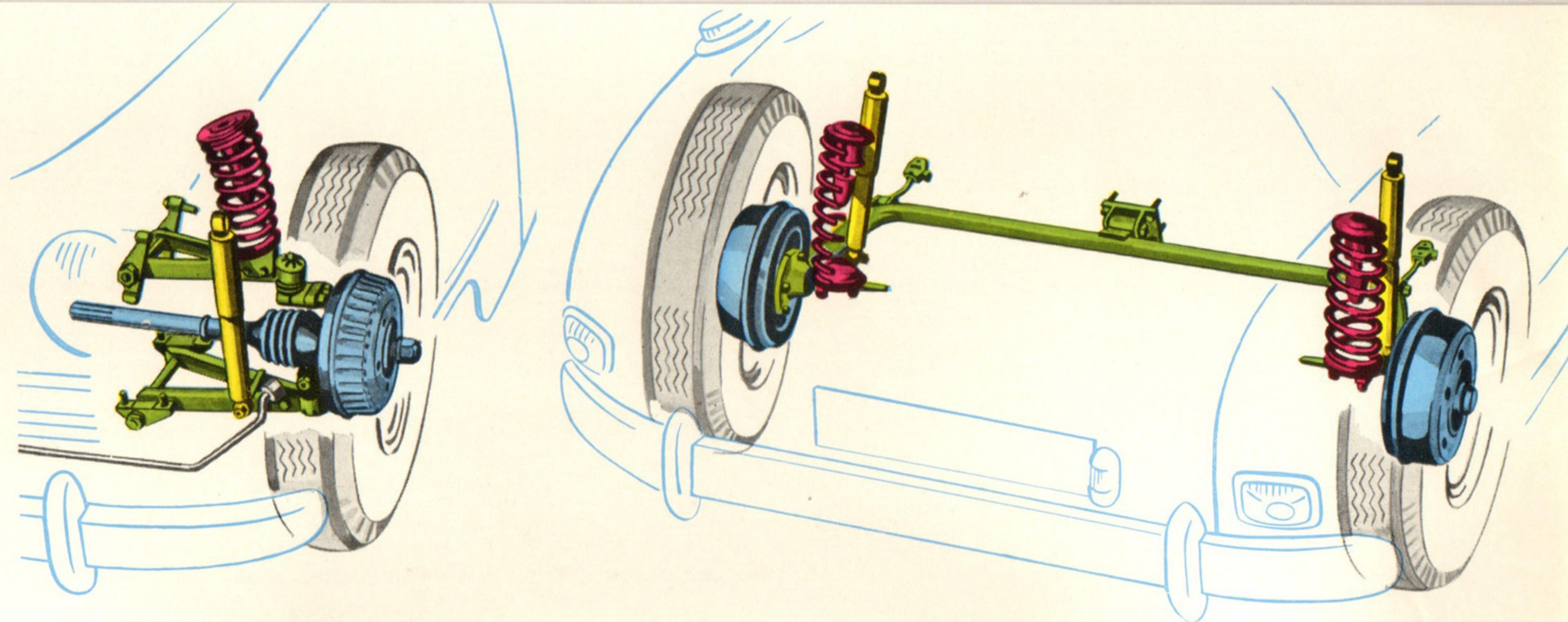
**Q U A L I T Y   •   P R E C I S I O N   •   E L E G A N C E**





## Tubeless tyres

The triumphal advance of the tubeless tyre is going ahead all over the world. With this type of tyre, driving safety has been increased inasmuch as the likelihood of a tyre blow-out has practically been eliminated. Naturally the Saab-93 includes this novelty.



## SUSPENSION

The suspension of the front wheels is by coil springs with transverse links mounted in rubber and supporting the housing of the two-part track rod; it is provided with a stabilizer bar and telescopic shock absorbers.

The suspension of the rear wheels likewise makes use of coil springs and telescopic shock absorbers; the rear axle comprising special U-shaped members is supported in the centre and controlled by two longitudinal links. These parts are mounted in progressively acting rubber mounts.

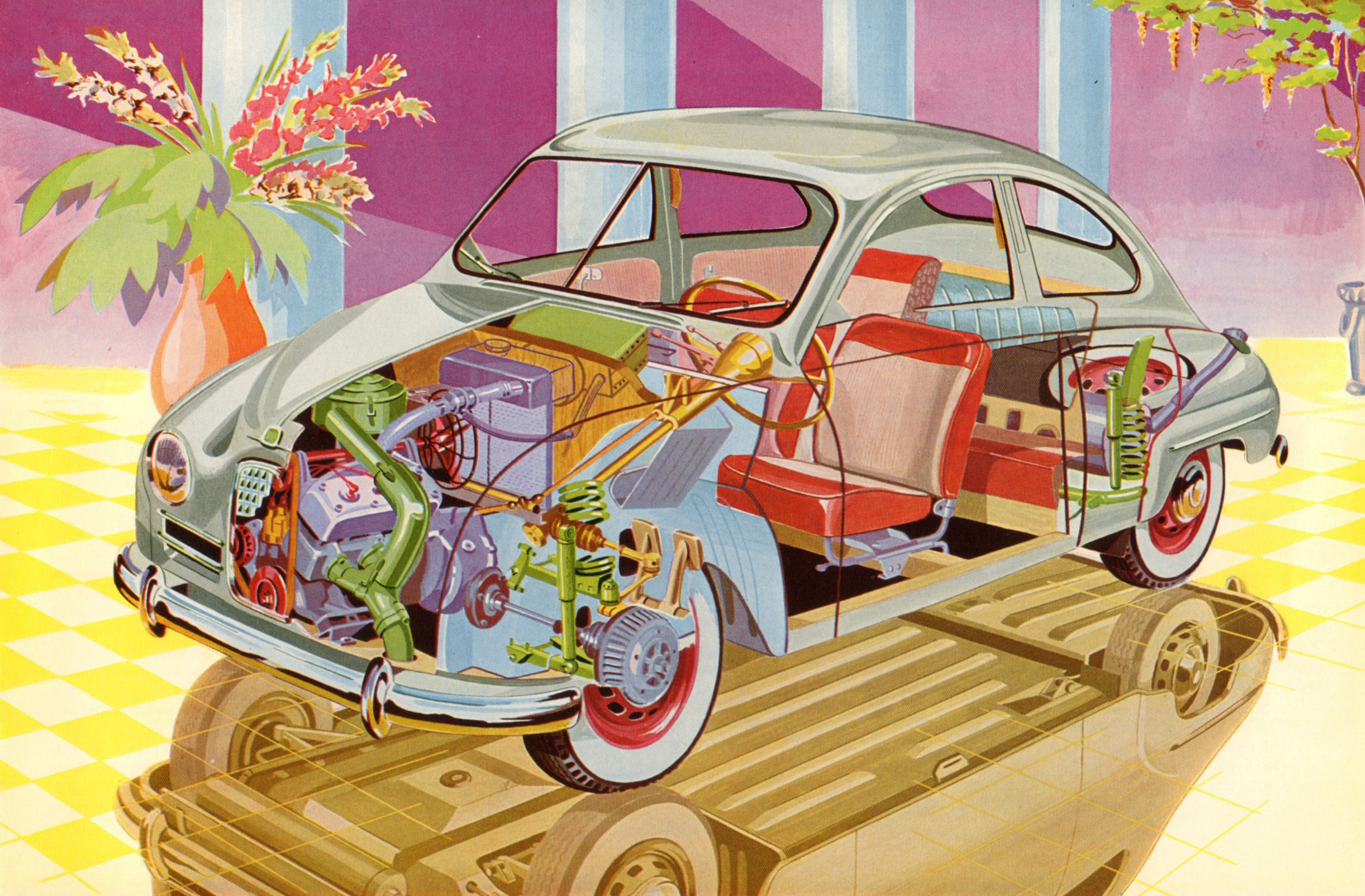
This exceptionally elastic suspension increases riding comfort and gives the car excellent road holding characteristics. By using rubber mounts and supporting the springs in special rubber cushions, the noise due to the car's motion as well as the number of lubrication points have been greatly reduced. Thanks to the low-geared and well-designed steering the travelling motion is smooth, in particular when executing quick movements with the steering wheel which is a safety factor in carrying out unexpected manoeuvres.

*The Saab-93 is the car especially suited to hard climatic conditions and bad roads*

## BODY

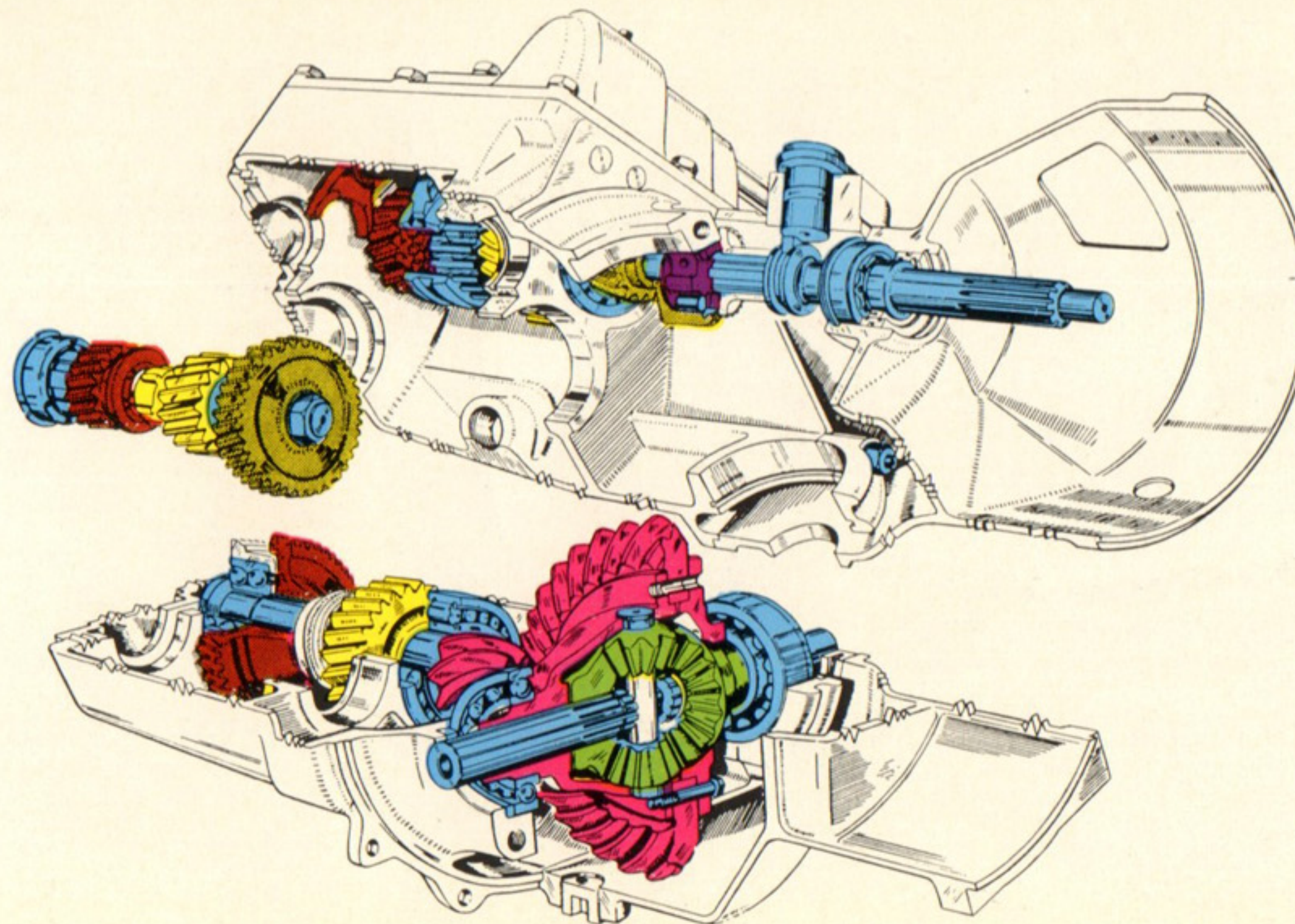
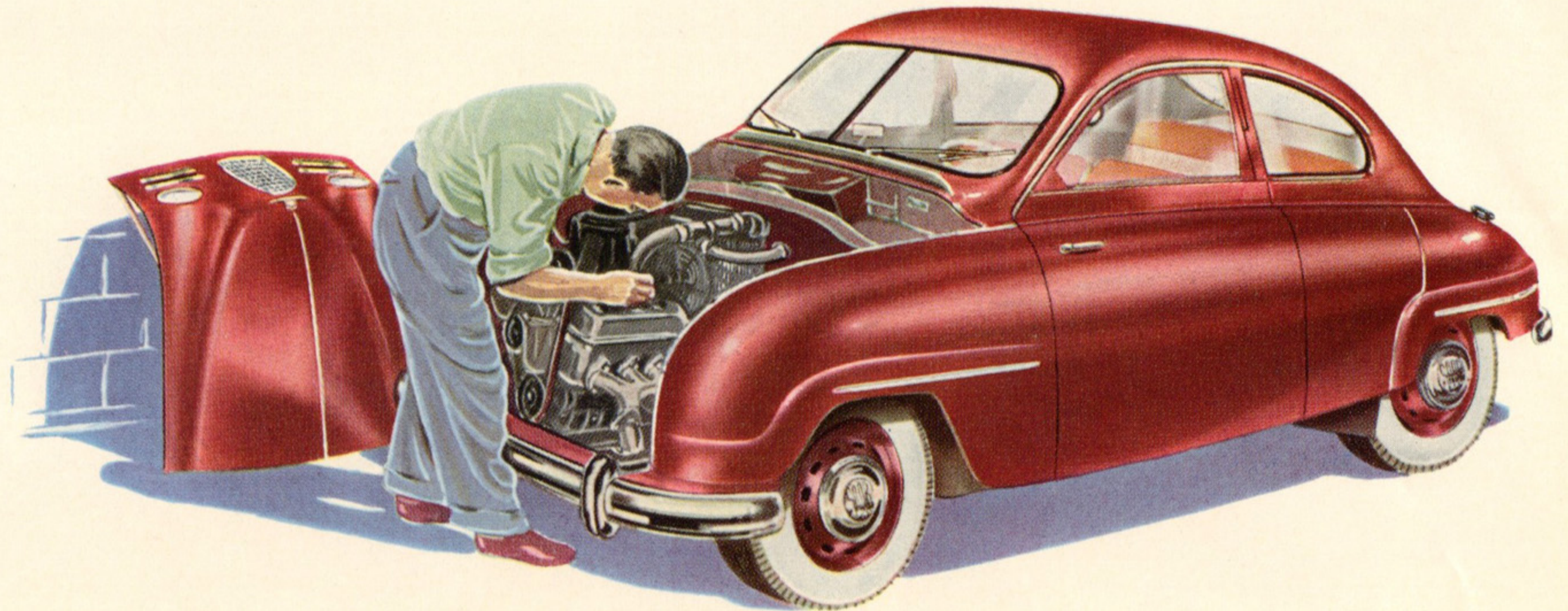
The strong, solid-welded steel body is a product of the highest quality. It affords the driver and passengers complete safety. The streamlined shape and the flat steel floor not only reduce the air resistance, but also keep the fuel consumption low and increase accele-

ration and top speed. All the components of the body are easily exchangeable and always obtainable from stock. Both the body and the chassis are treated with anti-corrosive agents and are well insulated against heat and noise.



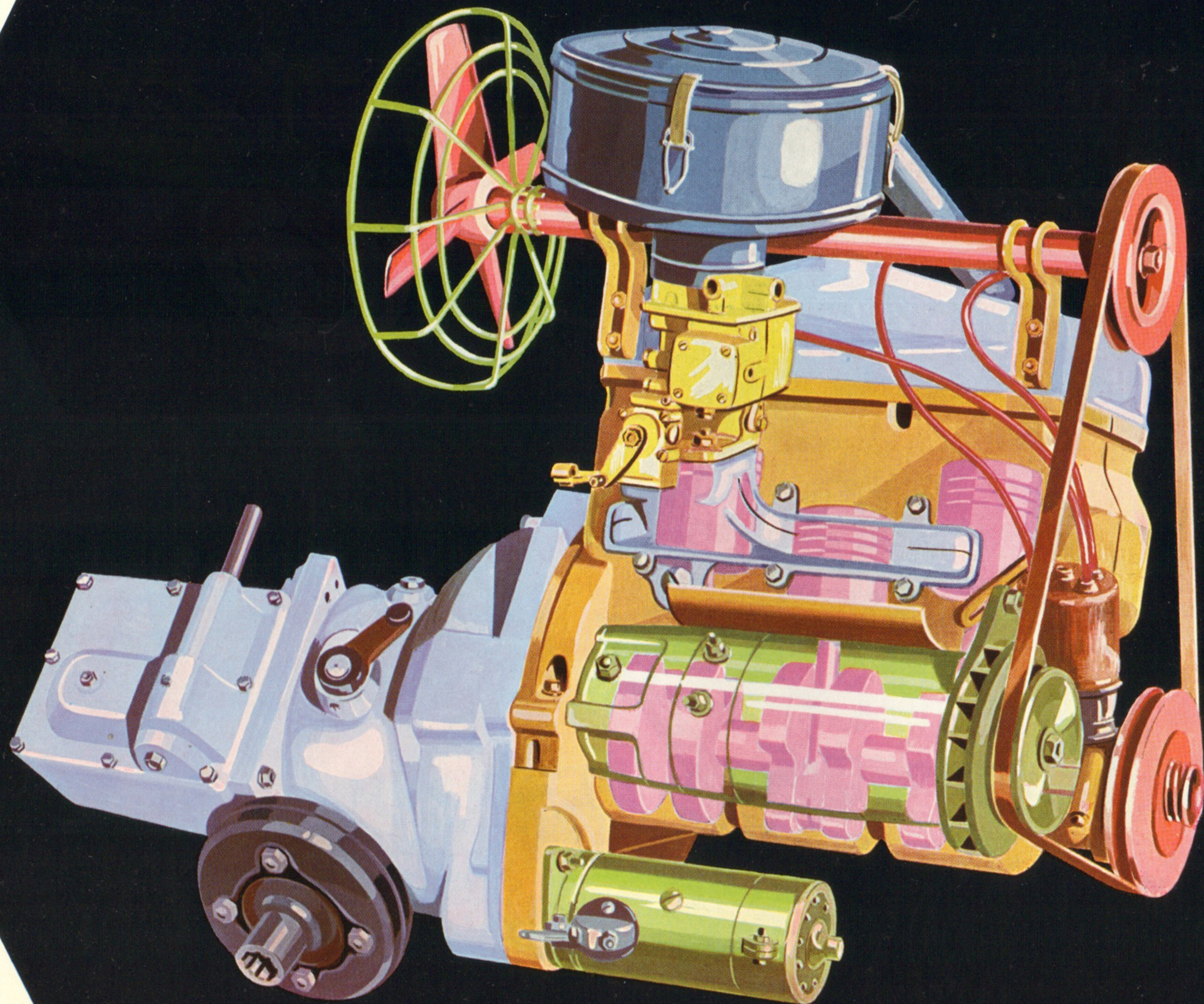
## ENGINE

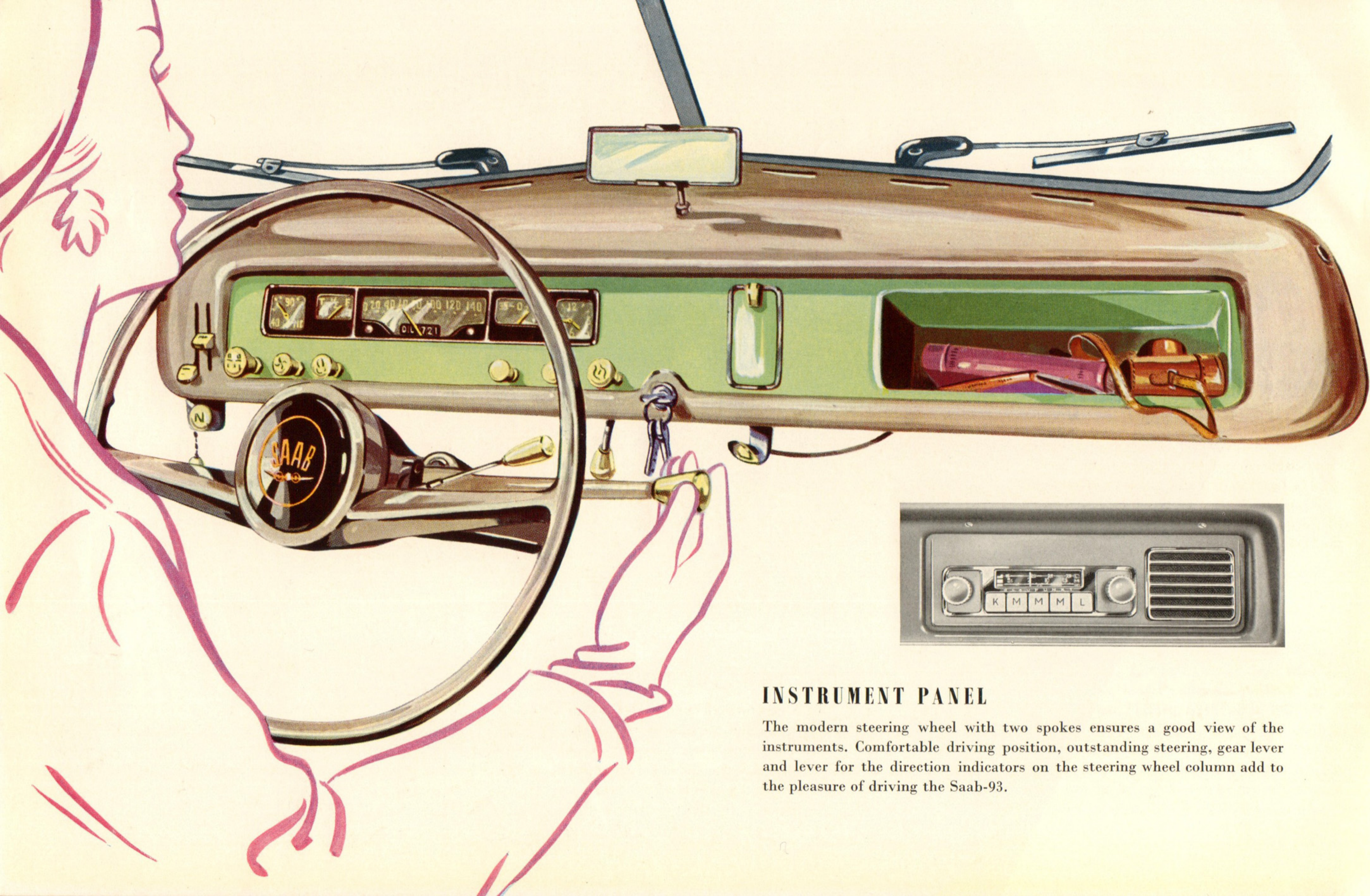
The engine hood can be hinged up from the front and can also be removed completely for easy access to the engine space. The hood can be secured from the driver's seat. If by mistake this is not done, no danger arises therefrom. Engine, clutch, gear box, and differential are combined in a single unit which can easily be lifted out of the car. The engine is of the three-cylinder, two-stroke type with water cooling and scavenging through the crankcase. The cylinder head, the pistons, and the crankcase are of light metal. The cylinder block of cast iron is cast in one piece with the top half of the crankcase. The bottom half of the crankcase is likewise of cast iron. The crankshaft is mounted in four single-row radial ball bearings, and the connecting rods have double-row roller bearings. The engine is fitted with a <sup>distributor</sup> slide-valve similar to that of four-stroke engines which, in conjunction with the 12-V ignition system, assures perfect operation even at high speeds. The cooling system with circulation pump, thermostat, and fan ensures ample cooling even in town traffic and on stiff climbs. The engine is equipped with a carburettor with petrol needle and a cold starting device. An air intake filter with hot air supply gives low fuel consumption and protects the engine against failure due to ice formation in the carburettor in cold and damp weather conditions. A powerful starter and heavy-duty dynamo give increased driving safety. The engine unit is supported in rubber mounts and is provided with a special torsional vibration damper.



## GEAR BOX

The gear box has three forward speeds and one reverse. The three forward speeds are engaged by means of dog clutches, and second and third speed are synchronized. All the gear wheels are of the helical type. Thanks to the dog clutch, the first gear can be engaged instantaneously and without causing any clashing noise. Shifting from 3rd to 2nd gear can be done without using the clutch pedal, which is of great importance in today's intense traffic. The sturdily built free-wheel, which can be locked from the driver's seat, facilitates gear changing and contributes to reducing the fuel consumption.





## INSTRUMENT PANEL

The modern steering wheel with two spokes ensures a good view of the instruments. Comfortable driving position, outstanding steering, gear lever and lever for the direction indicators on the steering wheel column add to the pleasure of driving the Saab-93.

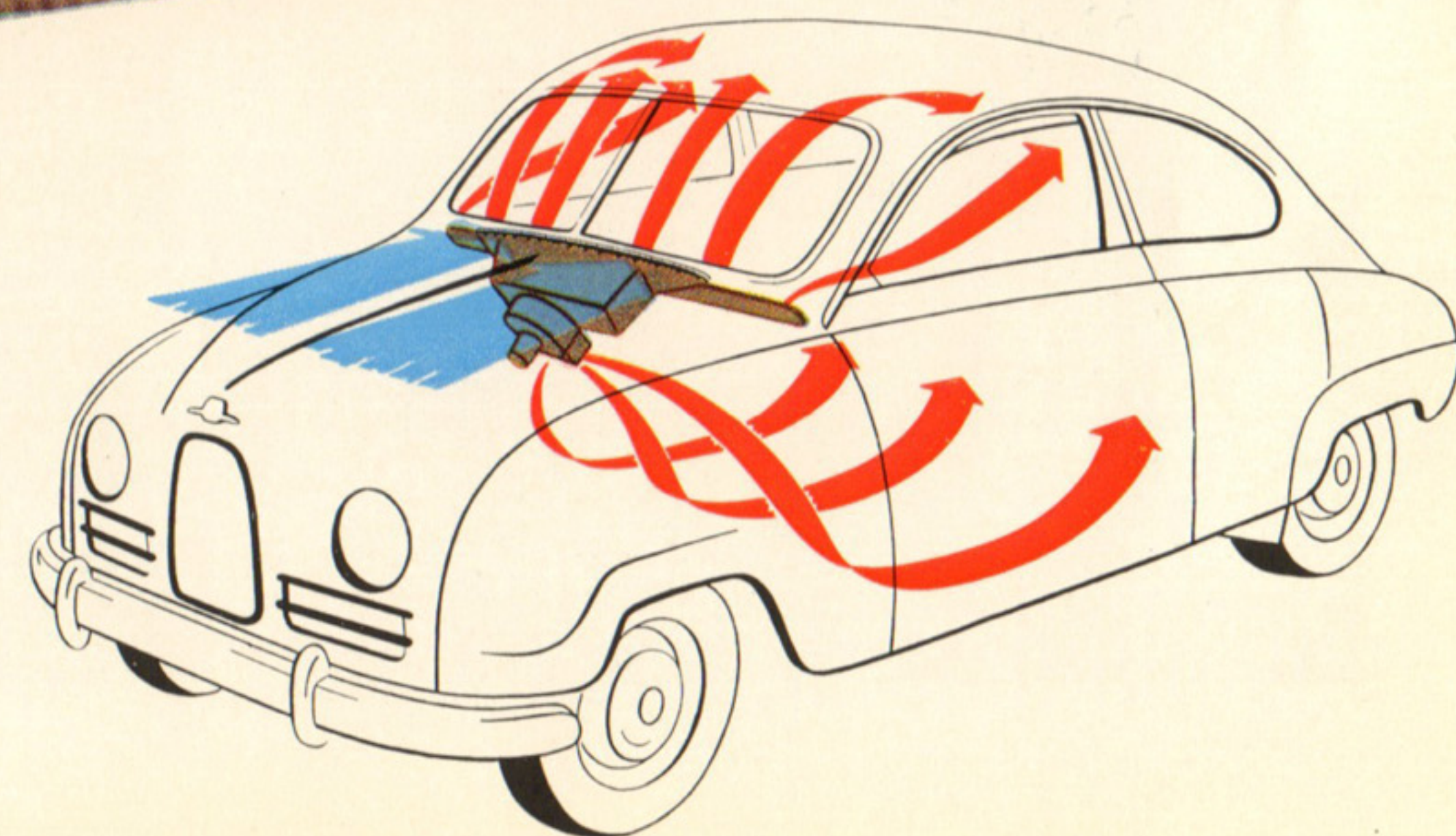
## INTERIOR FINISH

The interior is finished in light-coloured, modern materials and elegant colours. The exceptionally large doors greatly facilitate entering and leaving the car and are fitted with windows which can be lowered completely and side pockets for maps, etc. Furthermore, the windows are equipped with draught shields to prevent air currents from reaching the rear passengers. The two front seats are easily adjustable and fitted with foam rubber cushions. The back rests are shaped to give good support sideways and can be hinged forward. The large and comfortable rear seat together with the flat floor gives ample room for out-stretched legs. Recessed arm rests are fitted at either side, and stepping out of the car is facilitated by side-straps. Ash-trays, ceiling lights and hat rack complete the equipment of the rear compartment.



## HEATING ARRANGEMENTS

Even at low temperatures the new Saab fresh air heater ensures quick and pleasant heating of the interior and keeps the windscreen and windows free from moisture and draughts. The temperature of the hot air can be regulated by means of the easily accessible thermostat and switch arranged on the instrument panel.



# SAAB-93

## UTILITY CAR

# SAAB-93

## FAMILY CAR

By removing the rear back rest and seat cushion and fitting a parcel outfit, the car can be transformed into a utility car in a few minutes. Not only parcels and packages can be placed in it, but also long objects, such as ladders, pipes, boards, etc. After removal of the front passenger seat, the space is even sufficient for receiving a bed or stretcher pushed in through the luggage door.



*The SAAB car gives you at all times enjoyment  
and gain on pleasure drives and business trips*



The SAAB-93 is the ideal car for vacation trips with the whole family. Travelling is fast and inexpensive in the Saab car. Together with a special bed outfit the seats and cushions can be arranged to form a comfortable resting place for two or three persons without the luggage having to be removed from the spacious luggage compartment. The folded bed outfit can be stowed away below the back seat.





## Technical data and performance

**Type:** SAAB-93

**Body:** Saloon, 2 doors, self-supporting steel body.

**Engine:** Three-cylinder, two-stroke type with water cooling. Cylinder volume: 748 c.c. Bore: 66 mm. Stroke: 72.9 mm. Compression ratio: 7.3 to 1. Crankshaft mounted in 4 radial type ball bearings. The connecting rod bearings are of the double-row roller type. Lubrication: Oil-fuel mixture 1 to 25. The engine is equipped with a torsional vibration damper for smoothing out the oscillations set up during gear changing.

**Engine output:** Net output according to DIN 70020: 32.5 brake horse-power at 4200 r.p.m.; torque: 50.6 lb.ft. at 3000 r.p.m. Gross output according to SAE: 37.5 brake horse-power at 5000 r.p.m.; torque: 52.1 lb.ft. at 2000 r.p.m.

**Clutch:** Single-disc dry type of  $7\frac{1}{16}$ " diameter. The clutch withdrawal bearing is of the ball type.

**Gear box:** Three forward speeds and one reverse. All gear wheels are of the helical type, and the second and third speeds are synchronized. The gear ratios are: First speed 16.74 to 1; second speed 8.31 to 1; third speed 5.10 to 1; reverse 20.46 to 1. The gear box is equipped with a sturdy free-wheel which can be locked from the driver's seat.

**Fuel system:** Down-draught carburettor, Solex type 40 AI. Electric fuel pump. The fuel tank with a capacity of 36 litres (8 Imp. gallons) is fitted at the rear of the car.

**Exhaust system:** The system comprises two silencers and the necessary pipes. The primary silencer is fitted

transversely in the car adjacent to the engine and the secondary one on the right side at the rear of the car.

**Cooling system:** Cooling is effected by means of a circulation water pump, a fan, and a thermostat. The radiator is located behind the engine and has a capacity of 6.5 litres ( $1\frac{1}{2}$  Imp. gallons).

**Suspension:** Coil springs and hydraulic telescopic shock absorbers for all four wheels. The front wheel suspension comprises transverse links mounted in rubber and a stabilizer bar. The rear suspension has a special U-shaped rear axle combining the advantages of individual rear wheel suspension and of a rigid axle.

**Brake system:** The hydraulic foot brakes operate on all four wheels. Brake drum diameter: 8". Total braking surface: 89.95 sq.in. Double brake cylinders for each front wheel. The hand brake acts mechanically on the rear wheels, and the brake lever is placed conveniently within easy reach between the front seats.

**Wheels and tyres:** "Wide base" disc type wheels. Rim width:  $3\frac{1}{2}$ ". Effective <sup>radius</sup>diameter: 12". Toe in:  $2 \pm 1$  mm. Camber:  $\frac{3}{4}^\circ \pm \frac{1}{4}^\circ$ . Caster:  $2^\circ \pm \frac{1}{2}^\circ$ . King pin inclination:  $7^\circ$ . Tubeless tyres  $5.00 \times 15$ ".

**Steering:** Type: rack and pinion. Gear ratio: 14 to 1.

**Electrical equipment:** Voltage: 12 volts. Starter: 0.5 h.p. Dynamo: 160 watt. Ignition sequence: 3-2-1. Spark plugs: M18 thread. Thread length: 12 mm. Ignition distributor driven by helical gears. Ignition coil: 1. Battery capacity: 33 ampère-hours.

### Dimensions and weights:

|                                                                  |                      |                     |
|------------------------------------------------------------------|----------------------|---------------------|
| Overall length over bumpers .                                    | $13' 1\frac{1}{8}"$  | 4010 mm.            |
| Overall width . . . . .                                          | $5' 1\frac{1}{2}"$   | 1570 ..             |
| Overall height, empty . . . . .                                  | $4' 9\frac{1}{8}"$   | 1470 ..             |
| Ground clearance, with service weight of 1960 lbs. . . . .       | $7\frac{1}{2}"$      | 190 ..              |
| Track, front and rear . . . . .                                  | 4'                   | 1220 ..             |
| Wheelbase . . . . .                                              | $8' 1\frac{15}{16}"$ | 2488 ..             |
| Turning circle <sup>radius</sup> diameter . . . . .              | abt. 18'             | 5.5 m.              |
| Weight empty (without fuel and water) . . . . .                  | 1734 lbs.            | 787 kg.             |
| Weight empty (with fuel, water, tools and spare wheel) . . . . . | 1806 lbs.            | 820 ..              |
| Service weight (with driver) . . . . .                           | 1960 lbs.            | 890 ..              |
| Luggage space . . . . .                                          | 11.77 cu.ft.         | 300 dm <sup>3</sup> |

**General equipment:** Head lamps with full and dipped beams and parking lights, built into the engine hood. Double blinkers and side lamps. Number plate illumination. Ceiling lights. Direction indicators built into rear door pillars. Dual horns. Dual windscreenwipers. Instrument panel comprising speedometer, mileage recorder, am-meter, fuel indicator, thermostat, clock, warning lights for blinkers, head lamps and fuel level below 7 litres ( $1\frac{1}{2}$  Imp. gallons), ignition lock, control knobs for cold starting device, fresh air heater and defroster, ash-tray, glove box, rear mirror, etc. Double inside sun visors. Draught shields at the windows, ash-trays beside the rear seats. Chromium-plated bumpers at front and rear. Longitudinal protective beading on front and rear wings. Spare wheel with tubeless tyre. Lifting jack and kit of tools. Overrides are fitted.

The Saab Aircraft Company reserves the right to make changes in design, type, equipment, etc. of the model illustrated and specified in this brochure. Such changes shall not involve any responsibility regarding cars ordered or delivered before the change.

