

VOLVO 144



The Volvo 144 is more than just a new car — it also represents a fundamental point of view with regards to:

- **Safety** because of the construction of the body, the design of the steering column and brake system, the road-holding qualities, the visibility, the door locks and much more.
- **Comfort** because of the space arrange-

ment providing comfortable room for five people, ideal seats, the light steering, the first-class heating and ventilation.

- **Economy** because of the top Volvo quality in the smallest detail, an engine — B 18 — which has already acquired a world-wide reputation.
- **Styling** because of the distinctive but timeless lines. In a word: a fundamental point of view for the rational car.

The wide doors open almost straight out — the angle is 80°. They open on to an interior of a tastefully selected combination of colours. Plenty of room for five grown-ups. This applies also to feet and legs. No cramping of the shoulders because of the curved side windows. The design and construction of the Volvo front seats are famous. Not only do these seats provide a correct, relaxed driving

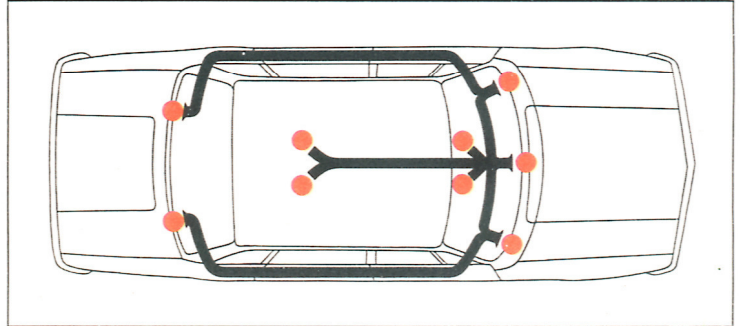
position, they also provide just the support you need to sit comfortably and securely even on long journeys. The elegant upholstery is both soft and practical (of textile-reinforced vinyl) and has ventilated quilted stuffing.

The backrests are smoothly adjustable even down to the fully reclining position. Easy operation by means of a lever mounted on the outside of the seat.

A small knob mounted at the side of the backrest smoothly adjusts the lumbar support in the front seats.

Heating and fresh-air is fed through ducts to two floor openings in the front passenger compartment and two floor openings in the rear passenger compartment, three defroster nozzles at the bottom of the windscreen and two at the rear window.

The ventilation is still further improved by separate, adjustable air inlets located on either side of the dashboard. This new feature is of particular use during the summertime.



The instrument panel combines quiet elegance with effectiveness and reliability. From a functional point of view, the instruments and controls are correctly located and have been provided with clearly recognizable symbols. A new feature of particular interest is the red-coloured moveable arrow mounted in front of the speedometer as a reminder of

speed limits. The mileometer has six figures and thus shows up to 999,999 miles. The instrumentation includes a speedometer, temperature and fuel gauges, a trip meter, control lamp for fullbeam headlights and direction indicators, warning lamps for oil pressure, charging and applied handbrake. An effective and elegantly designed safety padding encases

the entire instrument panel. It is constructed so that controls and other projecting parts are recessed for safety.

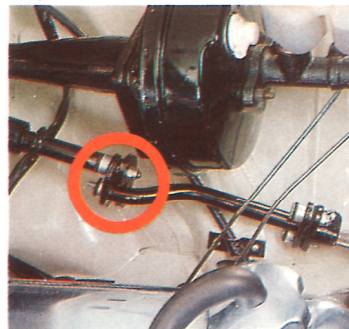
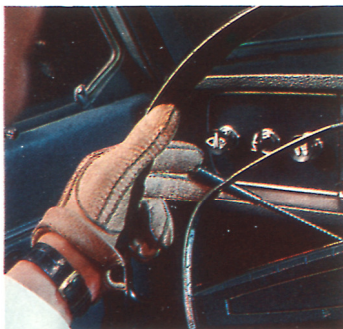
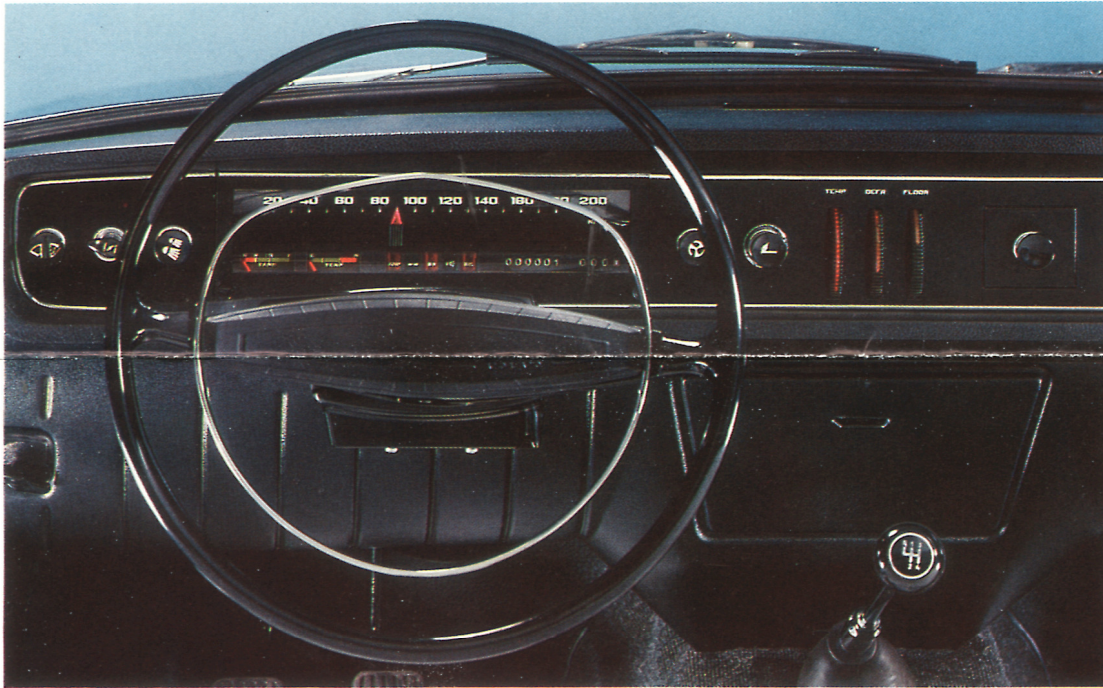
The well-known Volvo three-point safety belts are standard for the front seats. The rear seats have, for passengers on the outside, anchorages for three-point safety belts, and for the passenger in the middle anchorages for a hip belt. The lock devices for the belts on the front seats are very effective and easy to operate.

Operation of the fullbeam-dipper, fullbeam flasher and direction indicators is managed by a universal lever mounted under the steering wheel. The left foot is therefore always free for rapid declutching when, for example, overtaking.

The Volvo 144 is fitted with a steering column of the safety type, this means that the steering column will break off under a hefty impact caused by a collision of the front end. This would eliminate the danger of the steering wheel being thrust in the direction of the driver.

On long distances, the Volvo 144 is both safe and roomy. The luggage compartment is very large. It contains no projections which might steal some of the capacity. Thus hinges have been specially designed for this purpose. The luggage compartment lid is counterbal-

anced with two gas springs and has a large opening angle. It contains space for two spare wheels. One of these spaces can also be used for tools or a spare fuel tank, when it has a cover on. The floor is lined with a rubber mat.



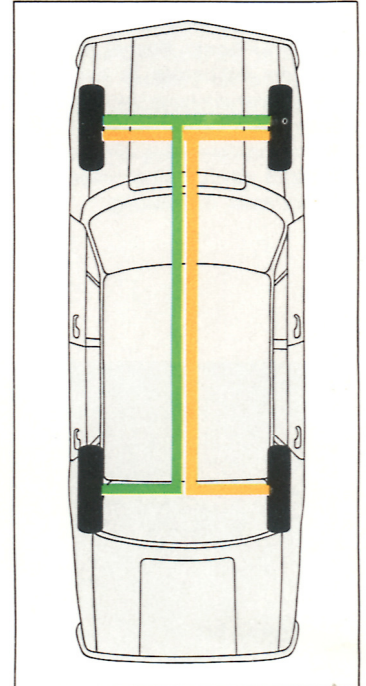
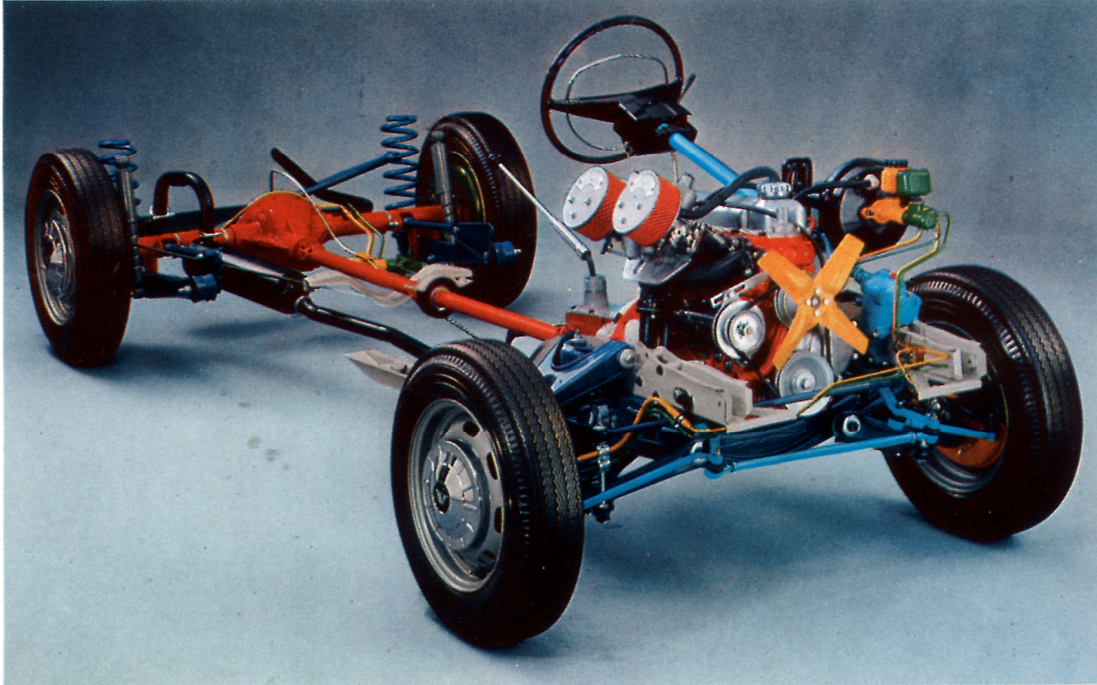
The performance of the Volvo 144 is outstanding. It is powered by the Volvo B18 engine, described by leading experts as one of the most rugged, most indestructible engines ever designed. It has also the liveliness of a sports engine and a wide speed register. The Volvo 144 has two types of engines to choose from, 85 b.h.p. (SAE) and 115 b.h.p. (SAE).

The Volvo 144 has well-balanced springing with coil springs all round. The front wheels are separately sprung. Effective insulation between the wheel suspension and the body provides the vehicle with smooth, quiet running. The car has sealed-for-life lubrication. The road-holding qualities of the Volvo 144 are outstanding.

Contributing to these is the construction of the rear axle incorporating separate elements for the three main functions — that of steering, damping and counterbalancing the movements of the rear axle.

The brake system in the Volvo is outstanding. It consists of two brake circuits which are completely separate from each

other. The brake lines of one circuit connect up both front wheels to one of the rear wheels, and those of the other circuit link up both front wheels to the other rear wheel. This means that if one of the circuits stops functioning, braking can still take place on both front wheels and one rear wheel. Whatever happens you will get about 80% of the total braking effect.



SPECIFICATION

For more detailed specifications, see the separate technical data sheet.

Engine

Type B18 four-cylinder, overhead valves with five main-bearing crankshaft.

Displacement 1.78 litres (109 cu. in)
Bore 84.14 mm (3.313")
Stroke 80 mm (3.15")

85 b.h.p. version

Carburettor horizontal
Max. output 85 b.h.p. (SAE) at 5000 r.p.m.
Max. torque 15 kgm (108.5 lb. ft.)
Compression ratio 8.7:1

115 b.h.p. version

Carburettors twin horizontal
Max. output 115 b.h.p. (SAE) at 6000 r.p.m.
Max. torque 15.5 kgm (112 lb. ft.)
Compression ratio 10:1

Cooling system

Sealed. Water cooling with pump and thermostat.

Capacity approx. 8.5 litres (15 Imp. pints = 18 US pints). Frost-protected.

Electrical system

Voltage 12 V
Battery capacity 60 Ah
Dynamo output max. 360 W
Starter motor output 1 h.p.

Gearboxes

4-speed, fully synchronized with floor-mounted gear lever; 4-speed with overdrive; fully automatic.

Clutch

Single dry disc clutch of diaphragm spring type. Mechanically operated.

Steering

Cam and roller type. Left or right-hand steering. Divided, safety type steering column. Four turns of steering wheel from lock to lock.
Turning circle 9.25 m (30ft. 4in.).

Wheels and tyres

Pressed 4½" vented steel rims with stainless steel hub caps. 165S15 tyres, constructed for high speeds.

Body

All-welded, self-supporting steel body. Reinforcing member profiles all round the body openings. Complete rustproofed and treated with underbody sealing.

Fuel tank

Located at the rear. Capacity 58 litres (13½ Imp. galls. = 15½ US galls.).

Dimensions and weights

Overall length 464 cm (182½")
Overall width 174 cm (68½")
Overall height (unladen) 146 cm (57½")
Ground clearance (unladen) 20 cm (7¾")
Wheelbase 260 cm (102½")
Track, front 135 cm (53")
Track, rear 135 cm (53")

Kerb weight (depending on vehicle) approx. 1250 kg (2750 lb.)

The Volvo 144 has sealed-for-life lubrication. The factory reserves the right to alter the construction and equipment without previous notice.

AB VOLVO

GÖTEBORG — SWEDEN