

# **VOLVO**

## **144** *Grand Luxe*





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For people who enjoy driving.

For people who enjoy comfort and appreciate safety.

The safety-fast Volvo 144 Grand Luxe with an electronically-controlled fuel injection engine developing 135 h.p. SAE.

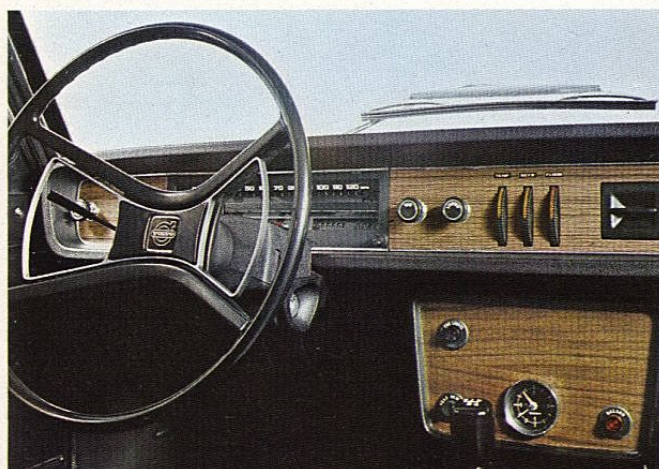
Full of temperament. Quick off the mark.

With power reserves to drive you out of tricky situations. Unsurpassed quality. A car for driving leisurely or motoring fast. Built with all the care in the world, and a safety specification that few can beat. Robust, impact-absorbing safety body with collapsible steering column and a triangle-split dual circuit all-disc power brake system are but a few of the many features.

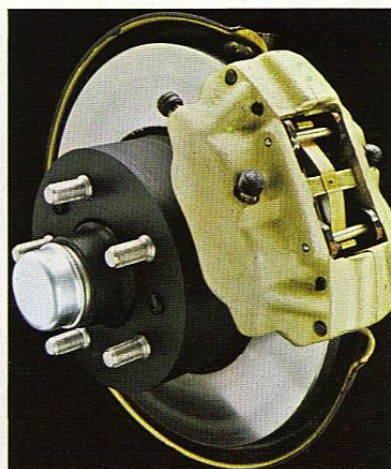
You'll feel good here. And have plenty of room to stretch your legs. There's ample space both front and rear. Settle down in these leather upholstered seats. If you aren't fully at ease then adjust the seat until you are! Fore or aft. Fell the seat backrests through a full arc and recline in comfort if you wish. Seat cushion angle is also adjustable. As are the lumbar support and the head restraints. Notice the full carpeting and the new instrument console in the centre. Everything designed with safety in mind. No projecting parts. The padded dashboard carries new, soft controls. The windscreen is of high-impact type which means that it features a very tough centre layer of plastic. The front seats of course have three-point Volvo safety belts. And there are also anchorages on the rear seat for safety belts.



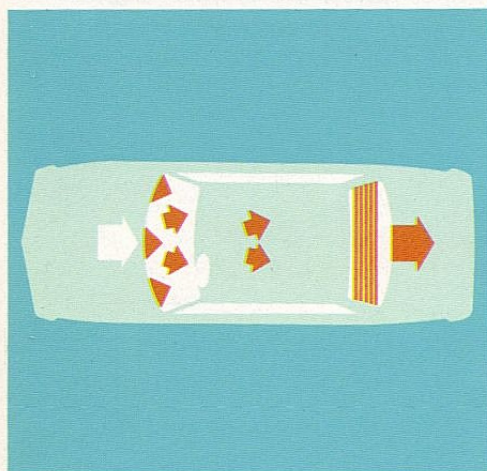
New this year is the four-spoke steering wheel with dished centre hub. Allows full visual access to all switches and instruments. We've moved a few controls this year which, together with the clock, are now located well within reach on the new panel below the dashboard. Just look at the new gear lever. Short and sporty. For fast snappy changes.



This year our triangle-split dual circuit all-disc brake system works through pads of new composition. The front discs are more robust. These changes have been made to make the brakes even more resistant to hard use. Relief valves prevent the rear wheels from locking-up prematurely in emergency situations.



About turn! In about 9.25 m/30 ft. 4 in; many smaller cars can't manage that. Manoeuvrability is superb. Parking spaces which many others must drive past are yours. It's child's play in a Volvo.



The heating and ventilation system is designed to give a pleasant indoor temperature all year round. The blower feeds hot or cold air through seven different outlets. Three to the windscreen. Two to the front floor. And another two keep your rear seat passengers happy. Adjustment is easily carried out by means of the three illuminated control wheels on the dashboard.

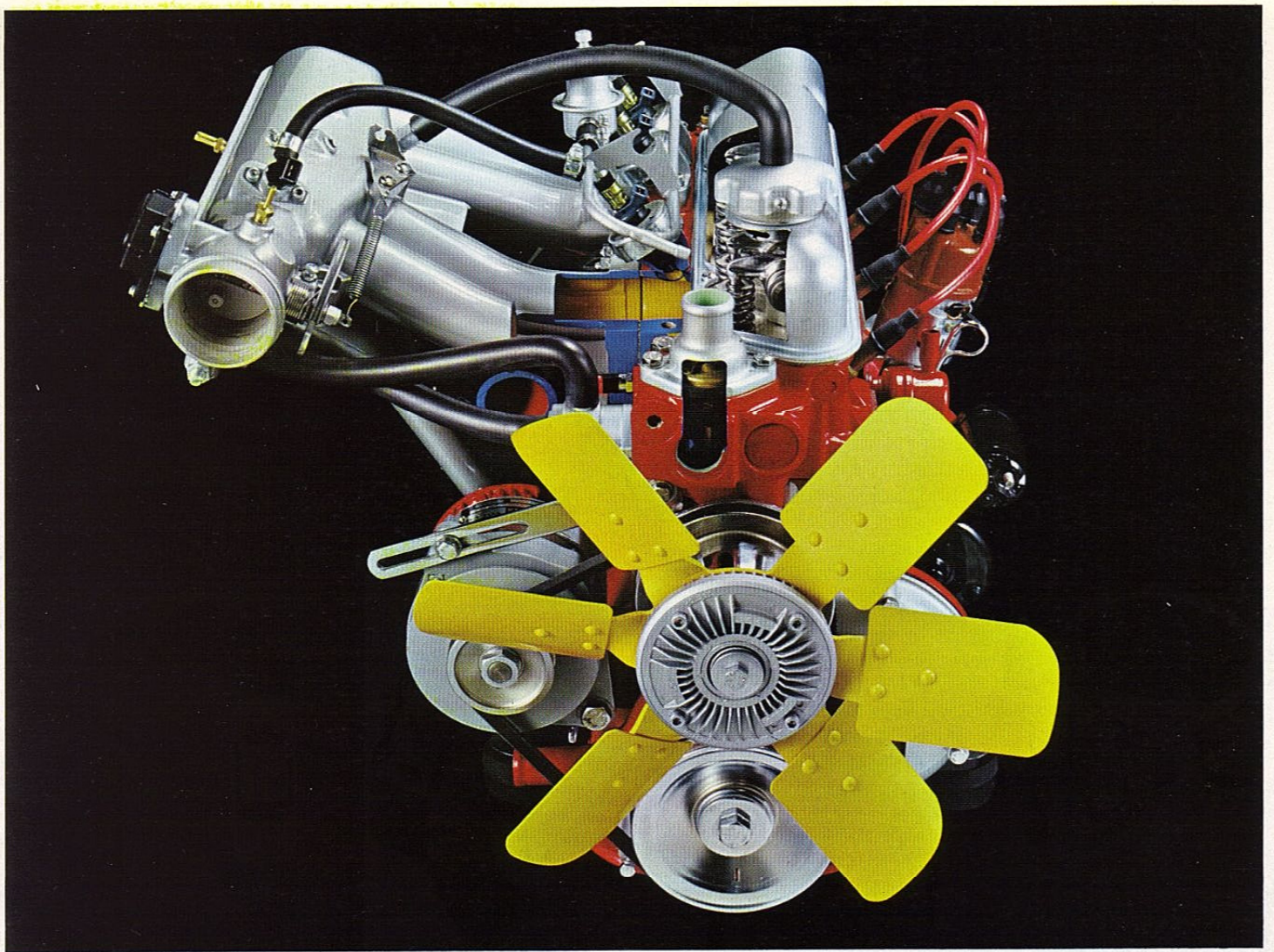
And of course we also have an electrically heated rear window and air extractor vents for through-flow ventilation.



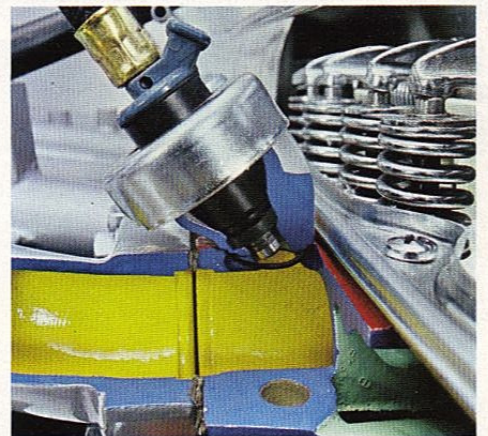
This car welcomes you with its doors wide open. Big and wide. With an opening angle of no less than 80°. The door holds have a halfway catch which is nice to have when you're in the cramped parking space we talked about earlier which the others had to drive past!



Volvo cars have an unusually large box-like trunk with 23.6 cubic feet of usable storage space. There's plenty of room for all you need in the way of luggage. And even when the trunk is fully loaded the spare wheel is easily accessible. It stands to one side, always at the ready. A durable rubber mat covers the floor to safeguard both your luggage and your car.

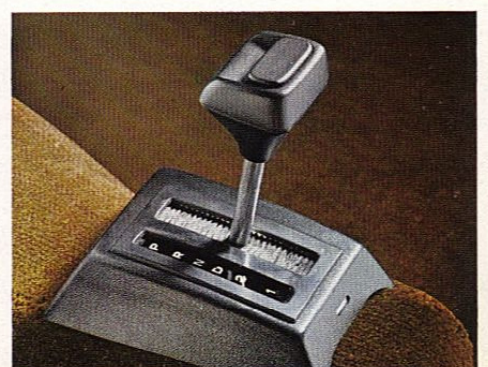


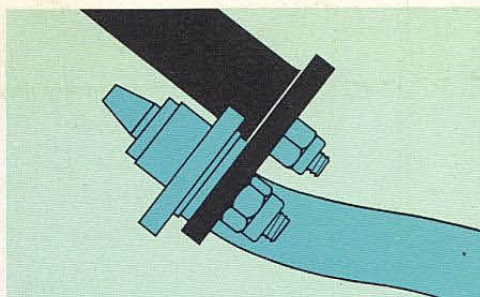
Electronic fuel injection engine. 135 h.p. SAE. Purpose built for the traffic environment of today. Rapid acceleration and high top speed. Wonderful low-speed pulling power. And a thirst for gas which is modest to say the least. Exhaust emission control of course. This is an engine with plenty of resources in hand.



No carburetors. The fuel is metered with exact precision to the cylinders by these injector units. Which are governed by electronic signals from the data computer – heart of the electronic injection system.

Try our optional automatic. A real pleasure to drive. Especially in the snarl-ups of city traffic. New, short selector lever located on the transmission tunnel. New PRND21 selector range. Position 2 gives you extra engine braking and acceleration by locking-up the transmission between 2 and 1 thus avoiding unnecessary changes in city traffic or on winding roads. A light indication shows which position has been selected.

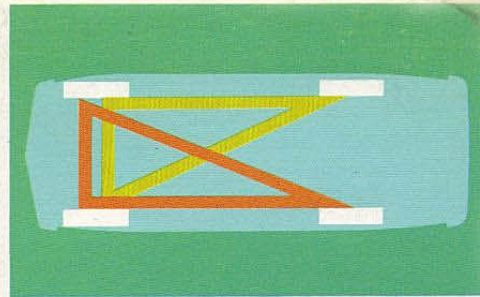




The steering column folds up under heavy frontal impact. Or impact from inside the car. Which means it can't be forced into the passenger area. It's best to be on the safe side.



The Volvo safety body with energy absorbing front and rear ends. The entire passenger area is caged in by steel profile members. All body openings are similarly reinforced. Here you're safe. The doors have burst-proof locks and new this year are the fully recessed outer door handles.



Volvo's triangle-split dual circuit all-disc brake system, where each circuit power brakes both front wheels and one of the rear wheels. Even if one circuit should fail, for any reason, you only lose braking effect on one wheel — about 80% of full braking effect is retained.

### Engine

B 20 E; 135 hp SAE, 124 hp DIN. Four-cylinder electronically-controlled fuel injection engine with five bearing crankshaft. Oil cooler. Fuel pressure regulator and overflow sensor. Electric fuel pump. Positive crankcase ventilation. Exhaust emission control.

### Cooling system

Sealed, anti-freeze protected. Capacity approx 9 qts.

### Electrical system

12 volts system. Battery capacity 60 amp hours. Alternator 55 A-770 W. Starter motor output 1 hp.

### Transmission

#### Clutch

Single dry disc clutch of diaphragm spring type. Mechanical operation.

#### Gearbox

Four-speed, fully synchronized. Remote control.

#### Ratios:

|         |        |
|---------|--------|
| 1 st    | 3.13:1 |
| 2 nd    | 1.99:1 |
| 3 rd    | 1.36:1 |
| 4 th    | 1.0:1  |
| Reverse | 3.25:1 |

Four-speed manual with electrically operated overdrive operating on 4th gear. Ratio 0.797:1. Automatic: fully-automatic transmission. Remote control.

### Steering gear

Cam and roller type. Two-part steering column of safety type. Four turns of steering wheel from lock to lock. Turning circle diameter: Between kerbs: 30 ft 4 in. Between walls 32 ft 8 in.

### Front suspension

Independent front suspension with coil springs and rubber-mounted control arms. Steering knuckle supported by ball joints. Anti-sway bar. Coil springs with telescopic shock absorbers.

### Rear suspension

Solid rear axle carried by longitudinal rubber-mounted control arms. Transverse location by rubber-mounted track rod. Coil springs with telescopic shock absorbers.

### Brake systems

#### Footbrake

Triangle-split dual-circuit brake system. The circuits operate on both front wheels and one each of the rear wheels. A telltale lamp on the facia warns should a brake circuit fail. Self adjusting disc brakes on all wheels.

Power assistance. A relief valve in each brake circuit prevents the rear wheels from locking up before the front wheels in emergency situations.

### Handbrake

Mechanical operation on special drums on rear wheels. Handbrake lever located between driving seat and front door. Warning lamp on facia shows application of parking brake.

### Running equipment

Pressed steel wheels with 5" safety rims. Chromium wheel nuts and hub. Radial tyres 165 SR 15.

### Fuel tank

Located at rear. Capacity 58 litres (12.8 galls.)

### Lighting equipment

Steering-column mounted turn indicator with high and low headlight beam control. The headlights are adjustable from the engine compartment. Asymmetrical dipped beam. Courtesy lighting controlled by opening either front door. Four-way hazard warning flashers. Rheostat controlled instrument lighting. Glovebox light. Two foglights of Quartz Halogen type.

### Instrumentation

Safety padded dashboard with speedometer of strip type. Six-figure mileometer, trip-meter, fuel gauge and water temperature gauge. Warning lights for charging, oil pressure, main beam, parking brake and faulty brake circuit. Audible and optical signals for turn indicators. Electric clock.

### Measurements and weights

Overall length 464 cm (182.7 in)  
Overall width 173 cm (68 in)  
Overall height 144 cm (56.75 in)  
Wheelbase 262 cm (103 in)  
Front seat width, hip height 143 cm (56.3 in)  
Rear seat width, hip height 143 cm (56.3 in)  
Kerb weight (incl full fuel tank, coolant and oil) approx 1260–1275 kg (2780–2819 lb).

The manufacturers retain the right to alter design and equipment without previous notification.

# VOLVO

AB VOLVO GÖTEBORG SWEDEN