

VOLVO 1800E



The new 130 b.h.p. SAE engine now features electronic fuel injection. Exhilarating acceleration! It's sensible to have extra power-in-hand for overtaking. In addition to the famous Volvo quality, which in

itself guarantees a Volvo car to be safe, the 1800E is fitted with disc brakes on all four wheels fed by twin brake circuits each of which powerbrake two front wheels and one rear wheel. This all-disc four wheel "Triangle" system is power-assisted to

ensure light and responsive action. Silky-smooth gearbox and Overdrive. Road holding you've just got to experience to believe. Long runs become a non-stop delight, commuting a pleasure.

We offer you four new colours, a new frontal appearance, new sportier "mag" wheels, a new dashboard and other finer points which will tailor-fit the Volvo 1800 E to those of you who ask a little more—the fortunate few.

The new Volvo 1800 E with computer controlled electronic fuel injection.





Welcome, into the most comfortable car you've ever met. You're surrounded by quality. Sumptuous leather upholstery. And we mean leather, genuine leather! Deep-pile, wall-to-wall carpeting. These are a few of the reasons which make long-distance driving a pleasure. You sit comfortably and drive alertly. You feel at home with the car and have immediate power-packed response at your command. The windscreen of "high-impact" type has a special tough intermediary safety skin. This is the safest type of windscreen available.



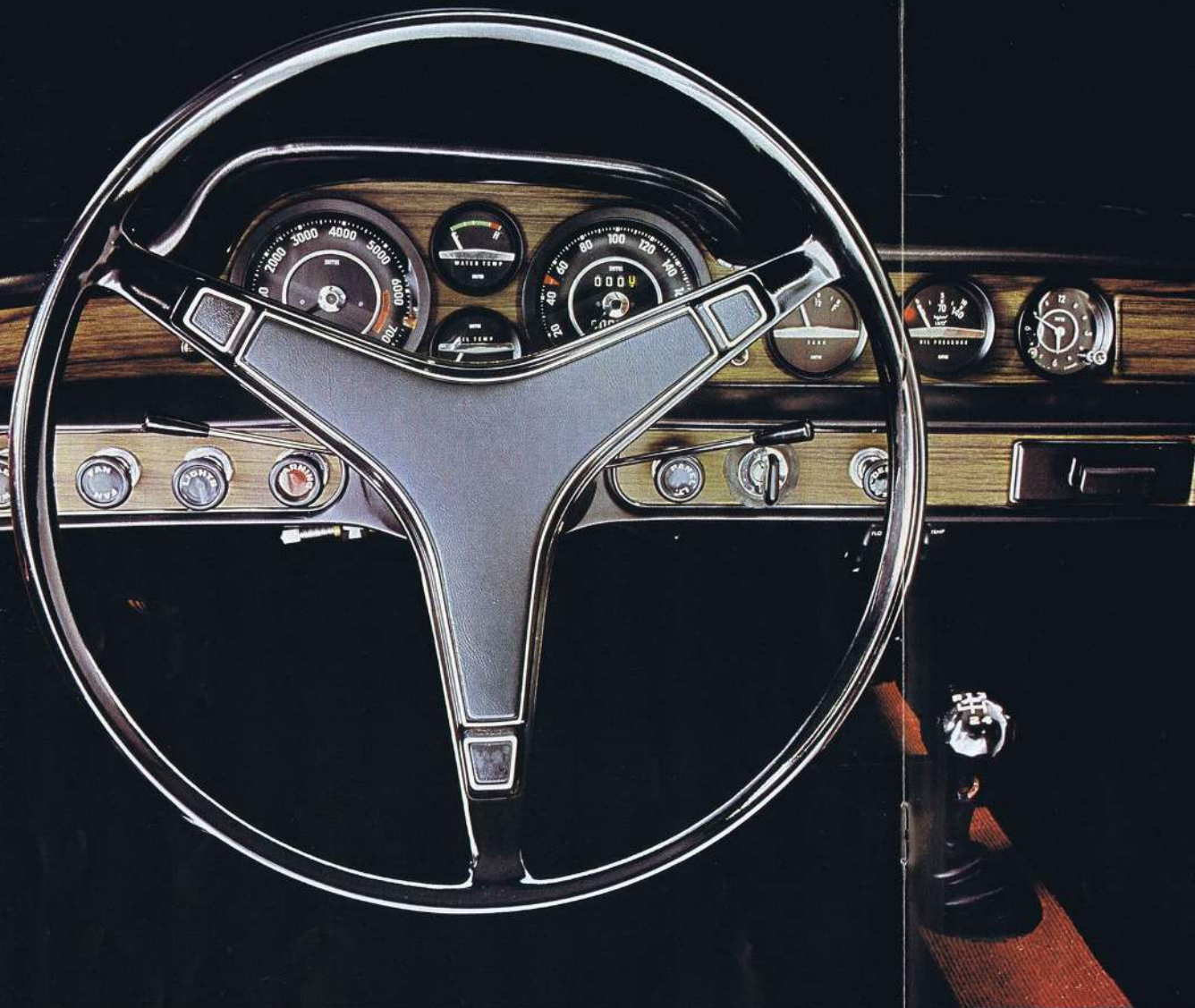
Sumptuous leather upholstered bucket seats with wide-range adjustment. The knob-adjusted lumbar support keeps your spine curvature as it should be, no aching backs here. Head restraints are standard. For safety's sake!



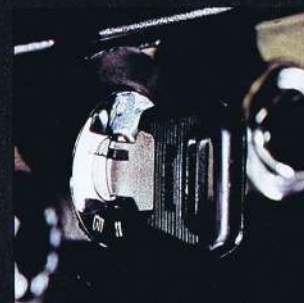
Even the well dimensioned luggage compartment proves the Volvo 1800 E to be an excellent long-distance car. And should you ever need the spare wheel, it's easily accessible.



If ever you should have mountains of luggage, you can always fold down the rear seat backrest, it transforms into an extra luggage boot.



New and exclusive dashboard with precision instruments placed for prominence and best functional value. In the centre the revolution counter, coolant and oil temperature gauges and the matching speedometer. To the right—the fuel and oil pressure gauges and an electric clock. All controls within easy reach. The dished-hub steering wheel features safety promoting wide spokes.



The Volvo 1800 E is a desirable car. That's why we have fitted it with a rugged steering wheel lock which incorporates the ignition switch.



New manually operated anti-dazzle rear view mirror of safety type.



The steering wheel and gear lever are ideally spaced. This makes quick gear changes a matter of course.



Volvo safety belts of three-point type with immensely strong anchorage to the car body.



The new air extractor vents keep you breathing happily—no stuffiness or draughts. The rear window is electrically heated.



Electrically operated, fully-automatic Overdrive for quieter and more economic motorway driving.



The Volvo 1800 E is not only an ideal long-distance car. It's a smart and clever car by any measure. A car which gives that wonderful feeling of

contentment. A car you are proud to show your friends. A car which is quite unique in that it combines most of the best qualities found in many

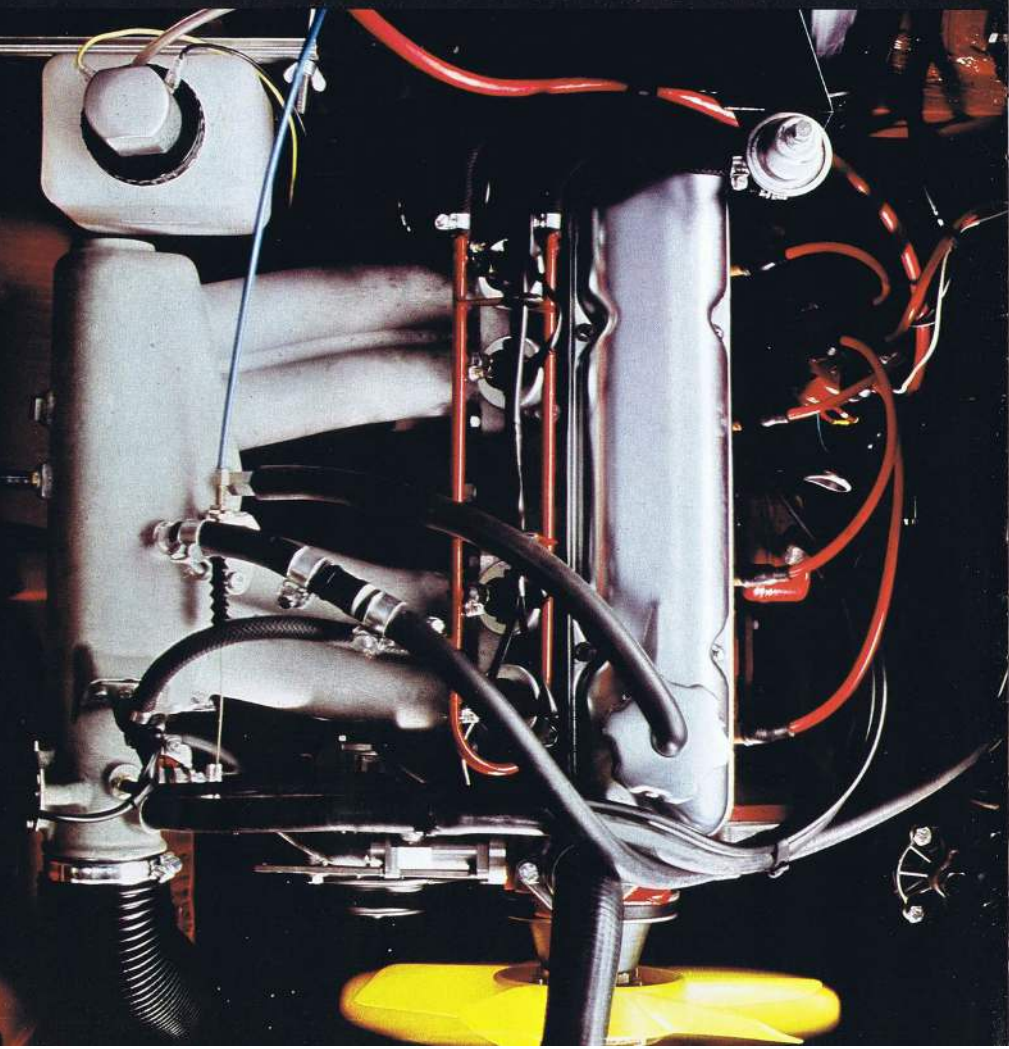
types of cars, mostly the sporty. We've worked quite a few years now with the Volvo 1800, made it better and better, without altering the basic construction.

As a matter of fact, we are beginning to get quite proud of ourselves. So will you, it's something that rubs off!

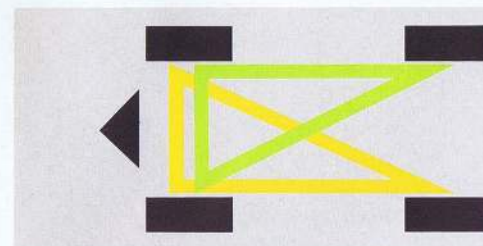
This is the big news on our Volvo 1800 E: the B20E engine developing no less than 130 b.h.p. SAE at 6,000 r.p.m. (120 b.h.p. DIN). With an electronic, computer controlled fuel injection system! An engine born for hard work. Wonderfully flexible and with a sting in its tail for high speed performance.

And hyper-effective exhaust emission control. The B20E is truly a product of the computer age. No carburettors! A small electronic brain impulse-controls the four injectors which meter the exact amount of fuel into the cylinders. The amount of fuel fed for combustion is always exactly correct

since the computer unit reads off engine speed, coolant and ambient air temperature and pressure, and then regulates the fuel injection accordingly. The result—higher output and complete combustion. An added advantage—excellent fuel economy throughout the entire engine speed range. New 4-speed gearbox with all-accommodating synchronization for noiseless and effortless shifts. In addition, an overdrive "fifth" gear is standard. It reduces engine speed yet retains road speed. Cuts engine noise as well as fuel consumption. Remote control, ultra-short gear stick with distinct positions.



Specification.



Twin circuit brake system, three brakes on each circuit. The Volvo "Triangle" safety system.



Disc brake safety all round.



Electronic controlled fuel injection system.



New fan with slip-type coupling which maximizes fan speed to 3,500 r.p.m.



Four-way emergency warning flashers incorporated in turn indicators.



New sports "mag" wheels with 165 HR 15 radial tyres.

Engine

Four-cylinder with electronically controlled fuel injection. 5-bearing crankshaft. Overhead valves. Electric fuel pump. Fuel pressure regulator and pressure relief valve. Oil filter of full-flow type. Positive crankcase ventilation. Hyper-effective exhaust emission control.

Capacity	1.99 litres
Bore	88.9 mm (3.500 in.)
Stroke	80.0 mm (3.15 in.)
Compression ratio	10.5:1
Max. output	130 b.h.p. SAE at 6,000 r.p.m.
Max. torque	120 b.h.p. DIN at 6,000 r.p.m. 18.0 kgm SAE at 3,500 r.p.m. 17.0 kgm DIN at 3,500 r.p.m.

Cooling system

Sealed. Water cooling through pump and thermostat. Capacity approx. 8.5 litres (7.5 quarts). Frost-protected.

Electrical system

Voltage	12
Battery capacity	80 amp./hr.
Alternator	35 amp.—490 W
Starter motor	1 hp

Clutch

Diaphragm spring type clutch.

Gearbox

4-speed fully-synchronized with remote control.
Ratios:
1st 3.14:1
2nd 1.97:1
3rd 1.34:1
4th 1.00:1
Reverse 3.54:1
Electrically actuated overdrive operating on fourth gear.
Ratio 0.797:1

Rear axle

Final drive ratio 4.30:1

Steering gear

Cam and roller type. $3\frac{1}{4}$ turns of steering wheel from lock to lock.
Turning circle diameter:
Between kerbs 9.5 m (31 ft. 2 in.)
Between walls 10.0 m (32 ft. 10 in.)

Shock absorbers

Double-acting, hydraulic telescopic shock absorbers all round.

Brake system

Footbrake: "Triangle" split-circuit all-disc brake system. Each circuit operates on both front wheels and one of the rear wheels. Self-adjusting. Brake servo of tandem type. A relief valve in each circuit prevents the rear wheels from locking-up before the front wheels in the case of emergency braking.

Wheels and tyres

Pressed-steel rims with cast-aluminium "mag" wide-spoke hubs.
Size: 5J15
Radial tyres: 165HR15

Body

Integral, all-welded steel body. Completely rust-proofed and underbody sealed.

Fuel tank

Located at rear. Capacity approx. 45 litres (10 Imp. gallons).

Lighting equipment

Asymmetrical dipped headlights. Automatic back-up lights. Main beam flasher. Rheostat-controlled instrument lighting. Four-way emergency warning flashers.

Instrumentation

Speedometer with mileometer and trip-meter. Revolution counter. Coolant and oil

temperature gauges. Oil pressure gauge. Fuel gauge. Warning lamps for battery charging, main beam, turn indicators and Overdrive. Electric clock. Warning lamp for applied handbrake and possible brake circuit failure.

Miscellaneous equipment

Three-point, factory-installed safety belts. Laminated "high-impact" windscreen. Two-speed electric windscreen wipers. Electric windscreen washer. Thermostat-controlled heater system with generous capacity and two-stage blower. Air extractor vents above rear wheel housings. Lockable oddments console on transmission tunnel. Two padded sun visors. Anti-dazzle rear view mirror of safety type. Electrically heated rear window. Adjustable head restraints. Cigarette lighter. Mudflaps. Spare wheel. Jack. Tools. The Volvo 1800 E requires no regular greasing.

Dimensions and weights

Wheelbase	2,450 mm (96.4 in.)
Track	1,315 mm (51.8 in.)
Overall length	4,400 mm (173.3 in.)
Overall width	1,700 mm (67 in.)
Overall height, unladen, approx.	1,285 mm (50.5 in.)
Ground clearance, approx.	155 mm (6.1 in.)
Head clearance (roof-cushion 6 inches from backrest)	900 mm (35.4 in.)
Front seat width, shoulder height	1,230 mm (48.4 in.)
Front seat width, hip height	1,360 mm (53.5 in.)
Kerb weight (with coolant, oil and full fuel tank)	approx. 1,130 (2,491 lb.)

The factory reserves the right to alter the price, design and equipment without previous notification.



AB VOLVO GÖTEBORG SWEDEN

