

VOLVO

1800 S





Comprehensive instrumentation

VOLVO

1800 S

Volvo 1800 S - the outstanding car for high-speed, long-distance travelling. Expressly designed and built for those people with high demands concerning performance, comfort and safety.

The smart body with its restrained and functional trimmings gives this car a personality of its own.

Long-distance travel provides an opportunity to appreciate the excellent interior comfort with the comfortable, fully adjustable seats and the comprehensive fittings for comfort and safety.

Well considered planning of the space available - this including generous luggage accommodation - means that the Volvo 1800 S is the ideal car for long continental holidays.

To sit behind the steering wheel of a Volvo 1800 S is a pleasure for the demanding motorist. All the controls are arranged in an ideal way. The instrumentation is comprehensive and Volvo three-point safety belts are included in the standard equipment.

The technically outstanding B18 engine and the smooth power transmission system makes driving a pleasure. Overtaking on motor roads is fast and safe.

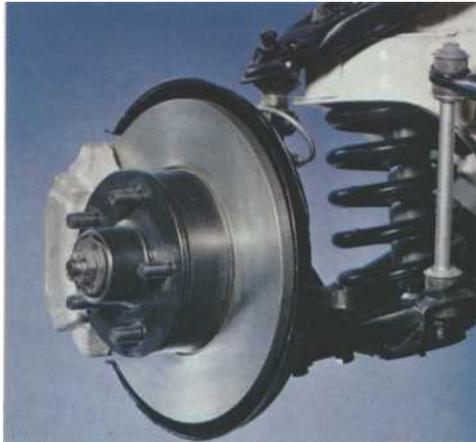
The overdrive also permits high average speeds at economically low engine speeds. Town driving is quiet and smooth with a minimum of gear-changing, this depending on the carefully matched engine torque.

Emergency braking - or a sequel of emergency braking operations - can be carried out perfectly without any fading because of the disc brakes on the front suspension and generously dimensioned drum brakes on the rear suspension.

The road-holding properties of this car more than satisfy the highest demands and provide safe and comfortable travelling on all types of road. Braced tread tyres increase road grip even further and permit long periods of high-speed driving.



Safety belts included in standard equipment



Durable disc brakes





Comfortable, leather-upholstered seats. Fully adjustable. Even the support in the small of the back can be varied.



Exceptionally large luggage accommodation for this type of car.



There are two occasional rear seats. The backrest on these can be folded down to provide more luggage accommodation.

SPECIFICATIONS

AB VOLVO
Göteborg Sweden

Type B 18 B engine

Four-cylinder with overhead valves and five-bearing crankshaft.

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

Compression ratio 10.0:1
Max. output 108 b.h.p. (SAE) at 5,800 r.p.m.
Max. torque 15.2 kgm (SAE) (110 lb.ft.) at 4,000 r.p.m.

Carburettors Twin horizontal carburettors
Oil filter Full-flow type
Oil cooler Heat exchanger oil/water

Cooling system

Thermostatically controlled circulation.
Oil cooler (see engine).

Battery

Voltage 12 V
Capacity 60 amp./hrs.

Dynamo

Effect max. 360 W.

Starter motor

Output 1 h.p.
Starter switch incorporated in ignition switch.

Clutch

Single dry plate clutch. Pressure plate with diaphragm spring. Hydraulically controlled.

Transmission

Fully synchronized and quiet running. Short floor-mounted gear lever.

Ratios: 1st gear 3.13:1
2nd " 1.99:1
3rd " 1.36:1
4th " 1:1
Reverse 3.25:1

Overdrive

Electrically operated with lever under the steering wheel. Operates on fourth gear.
Ratio 0.756:1

Rear axle

Ratio 4.56:1

Steering gear

Number of steering wheel turns from left lock to right lock: 3¼.
Turning circle approx. 10 m (32 ft.)

Front wheel suspension

Independent suspension with rubber-mounted control arms. Steering knuckle with ball joints. Coil springs and stabilizer.

Rear wheel suspension

Rigid rear axle mounted in two longitudinal rubber-mounted support arms and two rubber-mounted torque rods. Transverse location of axle by means of a track rod. Coil springs.

Shock absorbers

Double-acting, hydraulic, telescopic shock absorbers, at front and rear.

Footbrake

Hydraulic brakes with servo-assistance.

Front: Disc brakes. Splash-protected and self-adjusting.

Rear: Drum brakes of V-type. Self-centring.

Handbrake

Operates mechanically on the rear wheels. Handbrake lever between driving seat and door.

Wheels and tyres

Pressed steel wheels with ventilation holes. All wheels balanced.
Braced-tread type sports tyres (with inner tubes).
Tyre size 165 mm—15"

Body

Integral, all-welded steel body. Rust-protected according to the most modern methods.

Fuel tank

Located at rear.
Capacity 10 Imp. gallons (12 US gallons = 45 litres)

Lighting equipment

Full headlight signal controlled by a directional indicator switch lever. Flashers at front and rear. Stop and tail lights with built-in reflectors. Automatic reversing light. The interior lighting is switched on when either of the doors is opened. Adjustable instrument lighting. Map-reading lamp.

Instrumentation

Speedometer, mileometer and tripmeter. Tachometer. Water and oil thermometers. Oil pressure gauge. Fuel gauge. Warning lamps for full headlights, directional signals, battery charging and overdrive. Clock.

Other equipment

Foot dipper switch. Directional signal switch lever with automatic return. Fresh-air fed heater and ventilation unit. Warm air supply thermostatically controlled. Two-speed ventilation fan. Separate air inlets for ventilation in hot weather. Two-speed electrical windscreen wipers. Electric windscreen washers. Two padded sun visors. Dazzle-free rear view mirror. Place for radio. Map and glove pockets under the dashboard. Grab handle. Cigarette lighter. Ashtray. Tool equipment including jack. Spare wheel. Mud-flaps.

Safety belts

Three-point type safety belts are fitted for both front seats.

Main dimensions and weight

Wheelbase	2,450 mm (96½")
Track, front	1,315 " (51¾")
" rear	1,315 " (51¾")
Overall length	4,440 " (173¼")
" width	1,700 " (67")
" height	1,285 " (50½")
Ground clearance	approx. 155 " (6")
Kerb weight	" 1,120 kg (2,470 lb)

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