

# VOLVO

## 1800 S

1966/7

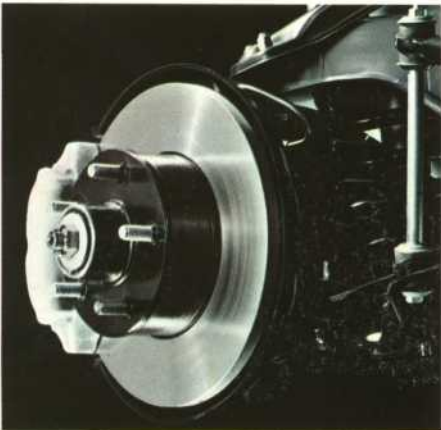




Comprehensive instrumentation



Safety belts included in standard equipment



Durable disc brakes

# VOLVO

---

## 1800 S

"A very civilized touring car for people who want to travel rapidly in style."

(Road & Track)

The Volvo 1800 S has a smart interior with distinguished fittings for functional precision. The comfortable seats with many adjustment possibilities for individual tastes, are upholstered with first-class hide. The remaining upholstery consists of patterned textile-reinforced plastic. Pile carpets cover the floor and propeller shaft hump.

The controls are precision designed and perfectly located while the instrumentation is comprehensive and arranged so that it can be read at a glance.

The Volvo 1800 S is a very spacious car. In addition to the two comfortable seats there is an occasional extra seat behind where children or even a grownup can travel for short distances. Luggage accommodation is generous. In addition to the boot, the backrest on the occasional seat can be folded down and then forms an extra platform for luggage.

The heater/defroster system is thermostat-controlled and has an extremely high capacity. In addition there is a powerful two-speed fan.

Safety plays a very important part in the design of this car. Soft-padded sun visors, crash-padded dashboard and a laminated glass windscreen constitute a few of the safety factors. Three-point safety belts are installed before the car leaves the factory.

The B 18 engine with its output of 115 b.h.p. SAE is a pedigree unit for performance, acceleration and toughness. It has a high torque over a wide range of engine speed. This means very smooth

driving in heavy city traffic and also the resources for fast, safe overtaking at high speed on the open road.

The gearbox - four-speed plus overdrive - is fully synchronized. The short robust gear lever has clearly marked positions. The overdrive permits low engine speed when driving the car fast. Further advantages are a lower level of engine noise and even better fuel economy.

Power-assisted disc brakes front and drum brakes rear ensure dependable braking even when driving the car very fast and applying the brakes frequently.

An extra safety factor is a reduction valve in the brake line to the rear wheels. This produces a distribution in the braking force between the front and rear suspensions which coincides with the distribution of axle pressure while the car is being braked.

The Volvo 1800 S now requires no all-round lubrication whatsoever.

The rigid and solidly built body is provided with first-class rust-proofing which is of a permanent character. The finish - five coats on top of phosphating and primer - results in a hard glossy surface which maintains its brilliance for a very long time in all climates.

The road-holding of this car is in a class of its own and results in safe and comfortable travelling on all types of roads. Braced tread tyres mean perfect adhesion and can stand up to long periods of high-speed driving.



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



Exceptionally large luggage accommodation for this type of car.



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

## SPECIFICATIONS

**AB VOLVO**

Gothenburg

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	115 b.h.p. (SAE) at 6,000 r.p.m.
Max. torque	15.5 kgm (SAE) (112 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

Output 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:

between kerbs	9.1 m (29'10")
between walls	10.0 m (32'10")

### Front wheel suspension

Independent suspension with rubber-mounted control arms. Steering knuckles 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. Braced-tread 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 water. Two-speed electric 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. Mudflaps.

### 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	" 1,190 kg	(2,625 lb)

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