



VOLVO  
**1800 S**



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**VOLVO**  
a civilized



***As Road and Track Magazine Put It, "The Volvo 1800 S is a very  
for people who want to travel rapidly in style."***

**A Grand Turismo automobile is a car in which one can travel long distances in comfort. Comfort fully adjustable seats constructed to give support where it is most needed—under the legs, in the small of the back, and on the shoulders. It also means ending a long day's drive without the "whipped" feeling that you get from a hard seat. "feeling" comfortable as well as "being" comfortable. There is upholstery of top grain leather or smooth vinyl on other surfaces. Made to measure carpets cover the floor. A map light is located under the front seat.**



OCCASIONAL SEATING ON THE SEATS IN THE REAR



ALSO A SU

**VOLVO 1800**  
for rapid  
travel in style









# VOLVO 1800 with complete equip



*There is a very comfortable feeling to sit in the driver's seat of a Volvo 1800 S. The steering wheel is light and easy to turn. Even with the Volvo three-point seat belt fastened, all the controls are easy to reach. The instrument panel is well designed—every dial is clearly visible. Electrically operated two-speed windshield wipers and washer are standard equipment. There is a very high capacity heater and defroster system.*

*The high out-put 108 SAE horse-power Volvo engine is exceptionally efficient because of its twin induction ports for each cylinder and fully machined combustion chambers. This engine lasts an extra year because of its greater tolerance to stresses: Contributing factors are a five bearing crankshaft, an oil cooler and a water pump. All gears in the four speed synchronized transmission are carried in needle bearings. An overdrive gear is available and disengaged by means of a column mounted lever, ensures fast but quiet driving at low engine speeds. In fact the Volvo 1800 S at seventy miles an hour uses no more gas than the largest selling car in the world.*



SHORT GEAR LEVER / DAZZLE-FREE REAR VIEW MIRROR / EXHAUST THROUGH TWIN-END EXHAUST PIPES / BUMPER WITH RUBBER PROTECTION / LIGHT-METAL GRILLE / GRAB HANDLE

# VOLVO 1800 S

with high  
performance engine





# specifications

Importers:  
**Volvo Inc.**,  
 Volvo Drive, Rockleigh, New Jersey

Distributors:  
**Volvo Distributing Inc.**,  
 Volvo Drive, Rockleigh, New Jersey

**Swedish Motor Import, Inc.**,  
 3303 West 12th Street, Houston 24, Texas

**Volvo Western Distributing, Inc.**,  
 7,925 Riverside Drive, Sherman Oaks, Calif.

## Type B 18 B engine

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

Bore ..... 3.313"  
 Stroke ..... 3.15"  
 Capacity ..... 108.5 cu.in. (1.78 litres)  
 Compression ratio ..... 10.0:1  
 Max. output ..... 108 b.h.p. (SAE) at 5,800 r.p.m.  
 Max. torque ..... 110 lb.ft. (15.2 kgm) (SAE) at 4,000 r.p.m.

Carburetors ..... Twin horizontal carburetors  
 Oil filter ..... Full-flow type  
 Oil cooler ..... Heat exchanger  
 Oil/water

## Cooling system

Circulation thermostatically controlled.  
 Oil cooler (see engine).

## Battery

Voltage ..... 12 V  
 Capacity ..... 60 amp./hrs.

## Generator

Output ..... max. 360 W

## Starter motor

Output ..... 1 h.p.  
 Starter switch incorporated in ignition switch. Ignition switch and coil are joined by means of a tamper-proof armoured cable.

## Clutch

Single dry clutch, hydraulically controlled.  
 Pressure plate with diaphragm spring.

## Transmission

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

Ratios: 1st gear ..... 3.13:1  
 2nd gear ..... 1.99:1  
 3rd gear ..... 1.36:1  
 4th gear ..... 1.00:1  
 Reverse ..... 3.25:1

## Overdrive

Electrically operated. Operates on fourth gear.  
 Ratio ..... 0.756:1

## Rear axle

Hypoid type final drive.  
 Ratio ..... 4.56:1

## Steering gear

Cam and roller type.  
 Number of steering wheel turns from left lock to right lock ..... 3 1/4  
 Turning circle ..... approx. 33 ft.

## Front wheel suspension

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

## Rear wheel suspension

Rigid rear axle carried on two longitudinal rubber-mounted support arms and two longitudinal rubber-mounted torque arms. 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 located between driving seat and door.

## Wheels and tires

Pressed steel wheels. All wheels balanced.  
 Rim size ..... 4 1/2 J x 15"  
 Braced-tread type sports tires (with tubes)  
 Dimensions ..... 165 mm-15"

