

VOLVO

P 1800



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The Volvo P 1800 is a truly distinguished car, expressly designed and built to satisfy the most stringent demands made by those discerning people who are satisfied by nothing but the best quality, styling and performance.

Engine

Four-cylinder, overhead valve.
 Bore 3.313" (84.14 mm)
 Stroke 3.15" (80 mm)
 Capacity 108.6 cu.in. (1.78 litres)
 Compression ratio.. 9.5:1
 Max. output 100 h.p. (SAE) at 5500 r.p.m.
 Max. torque 110 lb.ft. (15.2 kgm) at 3800 r.p.m.
 Carburettors Twin horizontal carburettors
 Full-flow oil filter .. Standard
 Oil cooler Standard

Battery

Voltage 12 V
 Capacity 58 amp./hrs.

Dynamo

Fan-cooled with automatic voltage control.
 Output 360 W

Starter motor

Output 1 h.p.
 Starter switch incorporated in ignition switch which has also a special position whereby all the electrical equipment can be used even when the engine is switched off. There is a thief-proof armoured cable between the ignition switch and the ignition coil.

Clutch

Hydraulically operated 8½" single dry plate clutch.

Gearbox

Four-speed, fully synchronized.
 Ratios: 1st 3.13:1
 2nd 1.99:1
 3rd 1.36:1
 4th 1:1
 Reverse 3.25:1

Overdrive

(Optional extra)
 Electrically operated.
 Ratio 0.756:1

Propeller shaft

Divided for vibration-free operation. Centre bearing carried in rubber blocks as insulation from sound and vibration. Ball bearing in centre bearing requires no lubrication.

Rear axle

Hypoid type final drive.
 Ratio 4.1:1
 When overdrive fitted.
 Ratio 4.56:1

Steering gear

Cam and roller type.
 Steering box ratio.. 15.5:1

Left lock to right

lock ¾ turns of steering wheel
 Turning circle approx. 31 ft. (9.5 m)

Front wheel suspension

Independent suspension with coil springs and control arms. The control arms are carried in rubber bushings and ball joints. Stabilizer.

Rear wheel suspension

Coil springs above rear axle. Support arms carried in rubber. Torque rods. Track bar.

Shock absorbers

Double-acting, hydraulic, telescopic shock absorbers. To ensure constant damping action even when driving at high speed on bad roads, each shock absorber has a freon-filled nylon cell.

Foot brake

Servo-brake with 5½" servo cylinder.
 Front: Disc brakes of three cylinder type, splash-protected and self-adjusting.
 Brake discs 10¼" x ½"
 Brake friction area on each front wheel 14.5 sq.in. (92.5 sq.cm.)
 Rear: V-type drum brakes (leading and trailing), hydraulic and self-centring.
 Size 9x2"
 Brake friction area on each rear wheel 32.5 sq.in. (210 sq.cm.)

Hand brake

Operates separately on rear wheels. Hand brake lever located beside driving seat.

Wheels and tyres

Pressed steel wheels (4½ J x 15).
 Braced-tread, sports tyres 165-15.

Body

Integral construction, all-welded, steel body, fully rust-proofed.

Fuel tank

Capacity 10 Imp. gallons (12 U.S. galls. = 45 litres)

Lighting equipment

Headlight flasher operated by direction indicator lever. Flasher type direction indicators front and rear. Combined stop and tail lights with built-in reflector. The internal lighting goes on when either of the doors is opened. Instrument lighting rheostat-controlled.

Instruments and operating controls

Speedometer, mileometer and trip meter, revolution counter, strip-type temperature gauge for water and oil, pressure gauge for oil, fuel gauge and electric clock. Charging indicator lamp. Indicator lamp for full headlights. Steering wheel with recessed hub. Centrally located remote control gear lever.

AB VOLVO



GÖTEBORG • SWEDEN

DEALER: