SPECIFICATIONS

VOLVO P 1800

Engine: The engine for the Volvo P 1800, which is of completely new design, has the following specifications:
- Four-cylinder overhead-valve engine
- Bore = 3.13" (84.14 mm)
- Stroke = 3.15" (80 mm)
- Capacity = 108.5 cu.in. (1.78 liters)
- Compression ratio = 9.5:1
- Max. output = 100 b.h.p. (SAE) at 5500 r.p.m.
- Max. torque = 108 lb-ft. (15 kgm) at 4000 r.p.m.

Twin \( \frac{3}{4} \)" horizontal carburetors. Crankshaft carried in five lead-bronze bearings, surface-hardened journals. The cylinder head has separate induction ports and special cooling through a water distributing tube. Full-flow oil filter and oil cooler standard.

Clutch: \( \frac{3}{4} \)" single dry plate clutch with hydraulic control system.

Transmission: Four-speed, fully synchronized transmission.
- Ratios: 1st = 3.13:1, 4th = 1:1, 2nd = 1.99:1, Reverse = 3.25:1

An electrically operated overdrive is available as optional extra. Ratio: 0.75:1.

Propeller shaft: Divided propeller shaft for vibration-free operation. The centre bearing is suspended in vibration and sound insulating rubber blocks. Sealed ball bearing in centre bearing.

Rear axle: Hypoid type rear axle. Ratio: 4:1 or 4.56:1 when overdrive fitted.

Steering system: Cam and roller type. Ratio: 15.5:1. 3/4" turns of steering wheel from lock to lock. Turning circle diameter approx. 31 ft. (9.5 m).

Suspension:
- Front: Independent suspension with coil springs and control arms. The control arms are carried in rubber bushings and ball joints. Stabilizer bar.
- Rear: Coil springs above rear axle which is carried in rubber-mounted support arms, torque arms and track rod.
- Double-acting, hydraulic, telescopic shock absorbers front and rear. For constant operation even when driving fast on bad roads, each shock absorber has a freon-filled nylon coil.

Brakes: Servo brake with \( \frac{3}{4} \)" servo cylinder.
- Front: Splash-protected, self-adjusting disc brakes of the three-cylinder type with \( \frac{3}{4} \)" discs. Liberally dimensioned brake friction area of 14.33 sq.in. (92.5 cm²) on each front wheel.
- Rear: Self-centering hydraulic 9 x 2" V-type drum brakes (leading and trailing). Brake friction area 3.26 sq.in. (210 cm²) on each rear wheel.

The handbrake operates separately on the rear wheels.


Body: Integral construction, all-welded steel body. Two-door, two-seater with two occasional seats. Body and other sheet metal components are rust-proofed.

Fuel tank: Located at the rear. Capacity 12 US gallons = 10 Imp. gallons (45 liters).


Instruments and operating controls: Speedometer, tachometer 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 lamps for flashers and full headlights. Rheostat-controlled instrument lighting. Steering wheel with recessed hub. Horn button in steering wheel hub with lever for loud tone horn under steering wheel. Centrally located remote control gear shift lever.

Other equipment: 2-speed, self-parking electric windshield wipers. Electric windshield washers. Thermostat-controlled fresh air heater system with separate defroster controls. Two separate air intakes for summer ventilation. Safety belts. Padded sun visors and instrument panel. Ash-tray and cigarette lighter. Complete tool kit and spare wheel.

Principal dimensions:
- Wheelbase = 96.5" (2,450 mm)
- Track, front = 52" (1,315 mm)
- Track, rear = 52" (1,315 mm)
- Overall length = 173" (4,400 mm)
- Overall width = 57" (1,470 mm)
- Overall height, unladen = 51" (1,285 mm)
- Ground clearance approx. = 6.3" (160 mm)

The factory reserves the right to modify the design and equipment.

Importer: Volvo Import, Inc., 452 Hudson Terrace, Englewood Cliffs, N. J.
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