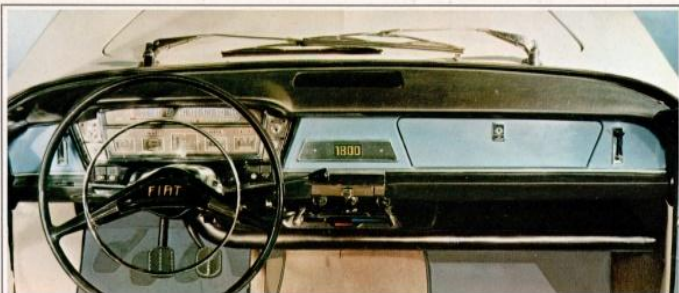


fiat 1800 B





The 1800 B interior is like a well-appointed and silent lounge. Neat and attractive arrangement of controls and equipment under instrument panel. The heater and its controls blend in with a wide utility shelf.



The roomy and comfortable **Fiat 1800 B** has won international acclaim with its six-cylinder 97 h.p. (SAE), 82 h.p. (DIN) engine and a maximum speed of over 90 m.p.h.

Exceptional flexibility engine equipped with alternator. The cooling fan has an electromagnetic coupling engaged only when required by the temperature of the cooling system. Sealed engine cooling system. Servo-operated disc brakes on all four wheels. Dual, independent circuit brake system: for double safety.

For easier maintenance, greasing has been eliminated except on the propeller shaft bearings. The 1800 B is spacious, with generous internal dimensions and efficient heating and ventilation for all seasons.

The 1800 B is available in saloon and station wagon versions.





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Mechanical quality

- 6 cylinder, 97 h.p. (SAE), 82 h.p. (DIN) engine.
- Fan with electromagnetically controlled engagement.
- Alternator.
- 2 oil filters.
- Sealed engine cooling system.
- 4 synchromeshed gears.
- Minimum maintenance: steering rod linkage and front suspension articulations requiring no greasing.
- Highly comfortable suspensions.
- Optional extra: automatic clutch.

Safety

- Disc brakes on all four wheels.
- Vacuum servobrake.
- Dual, independent circuit brake system.
- Padded instrument panel.
- Variable-speed windscreen wipers.
- Door safety lock by button control.
- Ample glazing all around.
- 2 back-up lamps.
- Windscreen washer.

Convenience

- Air conditioned interior.
- Front seat with reclining back-rests.
- Rear seat with central armrest.
- Comfortable armrests on all doors.
- Luxury instrument panel.
- Neat arrangement of controls under fascia and ample utility shelf.
- Courtesy lights on all doors.
- Swivelling venti-panels with drip trough.
- Ash trays on rear doors.
- Ample luggage boot.
- Engine compartment, luggage boot and glove compartment lights controlled by lid opening.



Six-cylinder engine, having great flexibility of operation and acceleration, vibrationless, equipped with **electromagnetic fan** that cuts in only when cooling system temperature so requires.



The engine of the 1800 B is equipped with **alternator**. This means full charge of battery at all times, even in slow-moving city traffic or when electric load is highest; long life and no need for lubrication.

refined mechanics

Sealed engine cooling system.

The 1800 B model cooling system is factory filled with a permanent antifreeze mixture, formulated for very low temperatures (-35°C) and sealed. This offers the advantage of waiving the need to empty, flush and refill the system at the beginning and end of winter, and no topups are required.



Disc brakes on four wheels.

Disc brakes on all 4 wheels actuated by a vacuum servo system which increases the effort provided by the driver through the pedal.

Dual, independent circuit brakes (for double safety).

The 1800 B is equipped with separate hydraulic brake circuits, one for front and one for rear wheels: an additional safety feature.



The 1800 B needs little maintenance care. Greasing is confined to propeller shaft alone, as steering linkage and front suspension articulations are lubricated for life.

the 1800 B station wagon

The station wagon version of the 1800 B offers increased internal capacity for carrying large items of luggage, sporting equipment and so forth.

With the rear seat and squab folded down a flat floor is provided. Double tail gate allows easy access to the rear compartment.

The station wagon has the same mechanical specifications, elegance and refined appointments of the saloon version.



technical specifications

Integral construction: Wheelbase 2.65 m (104-15/16"). Front track 1.345 m (abt. 53"), rear track 1.307 m (51-29/64").

Engine: 6 cylinders.

Displacement 1795 c.c. (109.53 cu.ins.) - 97 h.p. (SAE), 82 h.p. (DIN). Bore 72 mm (2.83"), stroke 73.5 mm (2.89"). Compression ratio 8.8 to 1. Cylinder block with cast iron crankcase. Aluminium cylinder head. Counterbalanced, four-bearing crankshaft. Overhead valves. Dual barrel downdraught carburettor. Air intake with silencer and cleaner. Mechanical pump fuel feed to carburettor. Forced lubrication by gear pump. Centrifugal oil filter and supplementary cartridge by-pass filter. Cooling system operated by centrifugal pump. Sealed engine cooling system. Electromagnetic radiator fan, with engagement controlled by thermostatic switch. Starter motor engaged by electromagnet. Power plant suspension on rubber pads.

Clutch, single plate, dry, hydraulically operated.

Gearbox with 4 forward speeds and reverse. Free ring synchronizers for engagement of 1st, 2nd, 3rd and 4th gears. Gearshift lever under steering wheel.

Propeller shaft in two sections with central rubber-mounted bearing, universal joints on rear section and flexible rubber joint on front section.

Rear axle with hypoid final drive gears, ratio 10/43.

Front suspension by torsion bars and wishbones; trailing links, telescopic shock absorbers, anti-roll bar. Suspension articulations not requiring lubrication.

Rear suspension by leaf springs and telescopic shock absorbers. Anti-roll bar.

Steering by worm and roller; steering linkage articulations not requiring lubrication.

Brakes, disc-type on all 4 wheels with vacuum servobrake. Independent brake circuits for front and rear wheels. Pressure regulating unit in rear wheels circuit. Mechanical hand parking brake on rear wheel discs. Emergency braking: hydraulic, pedal-controlled, ensured by the separate brake circuits and by the manual control of the parking brake.

Fuel tank at rear. Capacity 60 liters (13 Imp. - 16 U.S. gallons).

Disc wheels with 4 1/2 J rims and 5.90 S-14 (4 p.r.) tyres.

Electric system, 12 Volts; 48 amp/h battery; alternator: max. current output 40 amps.

Lamps: headlights with asymmetric low beams. Back-up light.

Spray windscreen washer, pedal-operated together with the windscreen wiper. Sweep rate adjustment by rheostat.

Speed: over 145 km/h (about 90 m.p.h.).

Optional extra equipment: automatic clutch.

Blow-by gases and crankcase vapours recirculation system: gases and vapours are ducted to the engine intake and burned in the cylinders.

differing details—Fiat 1800 B Station Wagon

Hypoid final drive: 8/37.

Tyres: 6.40 S-14 (6 p.r.).