

# THE NEW DAIMLER SOVEREIGN



# THE DAIMLER SOVEREIGN

*a spacious and luxurious five seater saloon of compact dimensions*

## Salient Features . . .

### Mechanical and Electrical

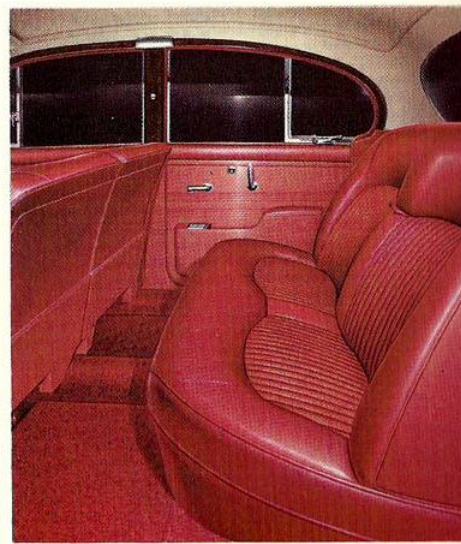
- 4.2 litre 6 cylinder engine fitted with twin carburettors. Develops 245 B.H.P. and 282 lbs./ft. torque.
- Alternating current electrical system incorporating an alternator to provide high output at low engine speeds. Pre-engaged starter to facilitate starting in very low temperature conditions.
- High efficiency engine cooling system incorporating a crossflow type tube and fin radiator block, fluid drive speed-control fan and high capacity water pump.
- Manual transmission with overdrive or Borg Warner Model 8 automatic transmission.
- 'Varamatic' varying ratio power steering fitted as standard equipment.
- Heated rear window fitted as standard equipment.
- Full air conditioning available as an optional extra.
- New impulse driven revolution counter.
- New transistorised electric clock.
- Powerful Girling servo-assisted disc brakes on all four wheels featuring separate hydraulic circuits to front and rear brakes.
- Fully independent suspension of all four wheels.

### Body:

- Four door, five seater body of integral construction with luggage capacity of 19 cu. ft.
- Front end styling incorporates four headlamp system and new design of 'Daimler' radiator grille.
- Interior styling makes lavish use of walnut veneers and leather upholstery and features heavily padded surrounds to instrument panel, parcel shelf and door cappings. Electric clock centrally mounted in lower screen rail.
- New design of Daimler wheel trims and rear number plate light housing.

*The new 4.2 litre Sovereign is a car which, within its compact dimensions, provides a spacious and luxurious five-seater interior equipped with every refinement for the comfort of driver and passengers alike.*

*Daimler enthusiasts everywhere will welcome this elegant and powerful new model which combines the very latest developments in modern high performance engineering and built-in safety with all the true characteristics that have made Daimler prestige motoring world famous.*



# S P E C I F I C A T I O N

**ENGINE.** 6 cylinder, twin overhead cam shafts, 4.2 litre engine, 92.07 mm. bore x 106 mm. stroke (3.625" by 4.1732"). Cubic capacity 4235 cc. (258.43 cu. in.). Compression ratio 8:1. Power output 245 b.h.p. at 5,500 r.p.m. Torque 282 ft./lbs. at 3,750 r.p.m. Twin S.U. carburettors, type HD.8, with automatic starting control. Forced lubrication incorporating a full flow filter. Chrome iron cylinder block fitted with dry type cylinder liners. Special "straight port" cylinder head of high tensile aluminium alloy featuring hemispherical combustion chambers and twin overhead camshafts operating large valves of 70° included angle. Aluminium alloy pistons. Steel connecting rods fitted with lead indium big-end bearings. 2½ in. diameter counterweighted crankshaft carried on seven large lead indium bearings. Pressurised cooling system with thermostatic control and viscous coupling fan.

**TRANSMISSION.** (Manually operated gearbox with Overdrive). Four-speed single helical all synchromesh gearbox with Laycock de Normanville overdrive. Gear change lever on floor between front seats. Overdrive controlled by a lever mounted on the steering column. Gear ratios: 1st, 11.46; 2nd, 7.44; 3rd, 5.00; Top, 3.77; Overdrive, 2.93; Reverse, 13.16. Borg and Beck diaphragm spring clutch with hydraulic operation. Needle bearing propeller shaft. Hypoid rear axle with limited slip differential.

**TRANSMISSION.** (Automatic Transmission model). Borg Warner Model 8 automatic transmission with dual drive range D1/D2. Gear ratios: Top, 3.31/—with torque conversion 6.62; Intermediate, 4.83/9.66; Low, 7.95/15.90; Reverse, 6.62/13.24. Gear selector on steering column. Needle bearing propeller shaft. Hypoid rear axle with limited slip differential.

**SUSPENSION—FRONT.** Independent suspension incorporating semi-trailing wishbones and coil springs with telescopic dampers. Anti-roll bar between lower wishbones. Suspension assembly and steering gear are mounted on a separate subframe which is itself located in the body by rubber mountings.

**SUSPENSION—REAR.** Full independent rear suspension incorporating on each side, a lower transverse tubular link pivoted at the wheel carrier and sub-frame adjacent to the differential case and, above this, a half shaft universally jointed at each end. These serve to locate the wheel in a transverse plane. Longitudinal location is provided by the rubber mountings locating the sub-assembly in the body structure and by a radius arm between the lower link and a mounting on the body. The body coil springs, each enclosing a telescopic hydraulic damper, provide the suspension medium, the whole assembly together with the differential unit is carried in an easily detachable sub-frame which is located in the body structure by rubber mountings.

**BRAKES.** Disc brakes, featuring quick change pads, are fitted to all four wheels. Front brakes fitted on wheel hubs, rear brakes fitted inboard of half shafts adjacent to differential unit. System is divided into two entirely independent hydraulic circuits to front and rear brakes. Operation is by suspended vacuum tandem type servo operated by a master cylinder and reaction valve. Handbrake with automatic adjustment operates on rear wheels only. Combined handbrake "on" and brake fluid level warning light.

**STEERING.** "Varamatic" Power Steering. Ratio 21.5 to 1 in straight ahead position varying to 13 to 1 at full lock. 2.75 turns lock to lock. Power supplied by vane pump, incorporating its own fluid reservoir, and driven from front of crankshaft by separate belt. 17" diameter two-spoke steering wheel adjustable for reach. Left or right hand steering optional. Turning circle 33 1/2 feet.

**WHEELS AND TYRES.** Pressed steel bolt-on disc wheels fitted with Dunlop SP41 tyres and tubes. Wire spoke wheels available as an optional extra. Spare wheel and tyre.

**FUEL SUPPLY.** Two separate tanks—one in each rear wing—total capacity 14 gallons. Two electrically operated S.U. fuel pumps (one for each tank) controlled by change-over switch on instrument panel. The separate fillers to each tank are concealed beneath individual covers.

**ELECTRICAL EQUIPMENT AND INSTRUMENTS.** Luas alternator generator. 12-volt battery with negative earth system. 60 amp./hour at 10 hour rate with current voltage control. Sideamps. Four headlamps controlled by foot-operated dip-switch. Separate lever for actuating headlamp flashing. Separate stop/tail, direction and reflector units mounted in a single assembly. Twin reversing lamps. Self-cancelling flashing direction indicators with warning lights. Instrument panel includes speedometer, tachometer, fuel gauge, oil pressure gauge, water temperature gauge, and a map-reading lamp beneath screen rail in front compartment. Courtesy lights above the centre door pillar, and above rear window, operated either manually by switch on the instrument panel or automatically by any of the four doors. Luggage compartment lock controlled by switch on the instrument panel. Two speedometer driven wipers. Electrically operated windscreen washers. Electrically heated back light. Two-speed, self-parking windscreen wipers. Electrically operated windscreen washers. Electrically heated back light. Pre-engaged starter motor. Vacuum and centrifugal automatic ignition advance. Oil coil ignition. 5 ins. diameter, 1000 r.p.m. operating total trip and distance recorder. 5 ins. diameter impulse driven revolution counter. Separate transmission time and gear change indicator. Oil pressure gauge. Water temperature gauge, fuel gauge, combined handbrake "on" and brake fluid level warning light.

**BODY.** All steel, four-door, two-seater saloon. Integral body-chassis construction providing maximum rigidity with minimum weight. Large zone-toughened windscreen with slim pillars and semi-wrapround rear window for maximum visibility front and rear. The semi-wrapround windscreen does not interfere with ease of entry or exit. Wide view rear mirror incorporating dimmed image position. Chromium-plated window frames to all doors. Chrome finishers on main guttering and top of rear rail. Seats upholstered in finest quality leather hide over deep foam rubber cushions. Front seats have combined height and recline adjustment. Rear seat reclines and folds down. Side windows padded safety screen with centrally mounted transistorised time clock. Polished figured walnut instrument panel with heavily padded surround features revolution counter and speedometer positioned directly in front of driver, and separate instruments for oil pressure, water temperature, fuel gauge and ammeter. The panel also contains, on the passenger's side, a large rectangular display panel with light and lockable lid. A large padded parcel shelf runs the full width of the car, beneath the instrument panel and houses a cassette stereo with 12 cassette tapes, 60 watts, 4 speakers, 200 watts, 4 speakers. The instrument panel contains a radio and speaker (optional extra) together with a large ashtray. When no radio is fitted, the speaker grille is retained and the radio control panel aperture is blanked off with an escutcheon. Two-spoke steering wheel and semi-circular horn ring. Front and rear doors incorporate large pockets and armrests, whilst the rear doors incorporate a main storage bin. Sun blinds. Deep pile carpets over thick felt underlay. Heavy duty wraparound bumpers with over-riders. Zero-gravity seats enable doors to be closed easily and quietly. Seat belt anchorage points are incorporated for both and rear seats.

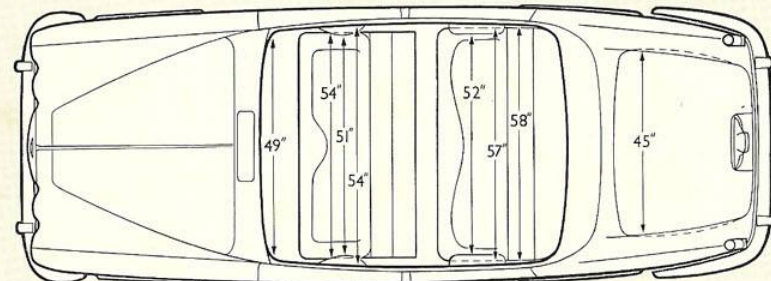
**HEATING AND DEMISTING.** High efficiency fresh air heating system capable of high temperature and volume supply to front and rear compartments. Separate control regulates supply to rear compartment. Air intake vents and heater valves are vacuum servo assisted. Two-speed fan controlled by switch on instrument panel.

**LUGGAGE ACCOMMODATION.** Ample luggage accommodation is provided in a capacious compartment of 19 cu. ft. capacity. The lid is counter-balanced for ease of operation. Interior of compartment illuminated by night by a separate lamp. Compartment fully trimmed to protect luggage.

**SPARE WHEELS AND TOOLS.** The spare wheel is carried beneath the luggage compartment floor, in a separate compartment, and is readily accessible. The tools, in a special fitted and lined container, are housed in the spare wheel compartment. Jack and wheel brace (or wheel hammer on wire wheel models) housed in luggage compartment.

**JACKING.** Exterior jacking points, front and rear, enable car to be lifted with the minimum of effort by means of the jack provided.

**PRINCIPAL DIMENSIONS.** Wheel base 8 ft. 11½ ins., track front 4 ft. 7¼ ins., track rear 4 ft. 6½ ins., overall length 15 ft. 7¾ ins., overall width 5 ft. 6½ ins.



C O V E N T R Y . E N G L A N D

Printed in England by Buckler & Webb Ltd., Birmingham. 3