



DB2

SPORTS SALOON AND DROPHEAD COUPE



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TO DELIGHT THE FAST CAR ENTHUSIAST. The Aston Martin DB2 is a dramatic conception of high-speed motoring possibilities ; speed is built into its every line. Striking to the 100 mark with power to spare, it exhilarates the most sophisticated driver. But more than this, the DB2 is a car of

distinction, luxuriously appointed and immaculately finished. Worthy successor to 30 years of Aston Martin winners at Spa, Ulster and Le Mans, the DB2 has already claimed a formidable lead among to-day's best fast cars.

FIRST ALL-BRITISH CAR TO FINISH AT LE MANS 1950

Aston Martin production models, all-British in every respect, including engine, transmission, etc., took the following awards at the 1950 French Classic :—

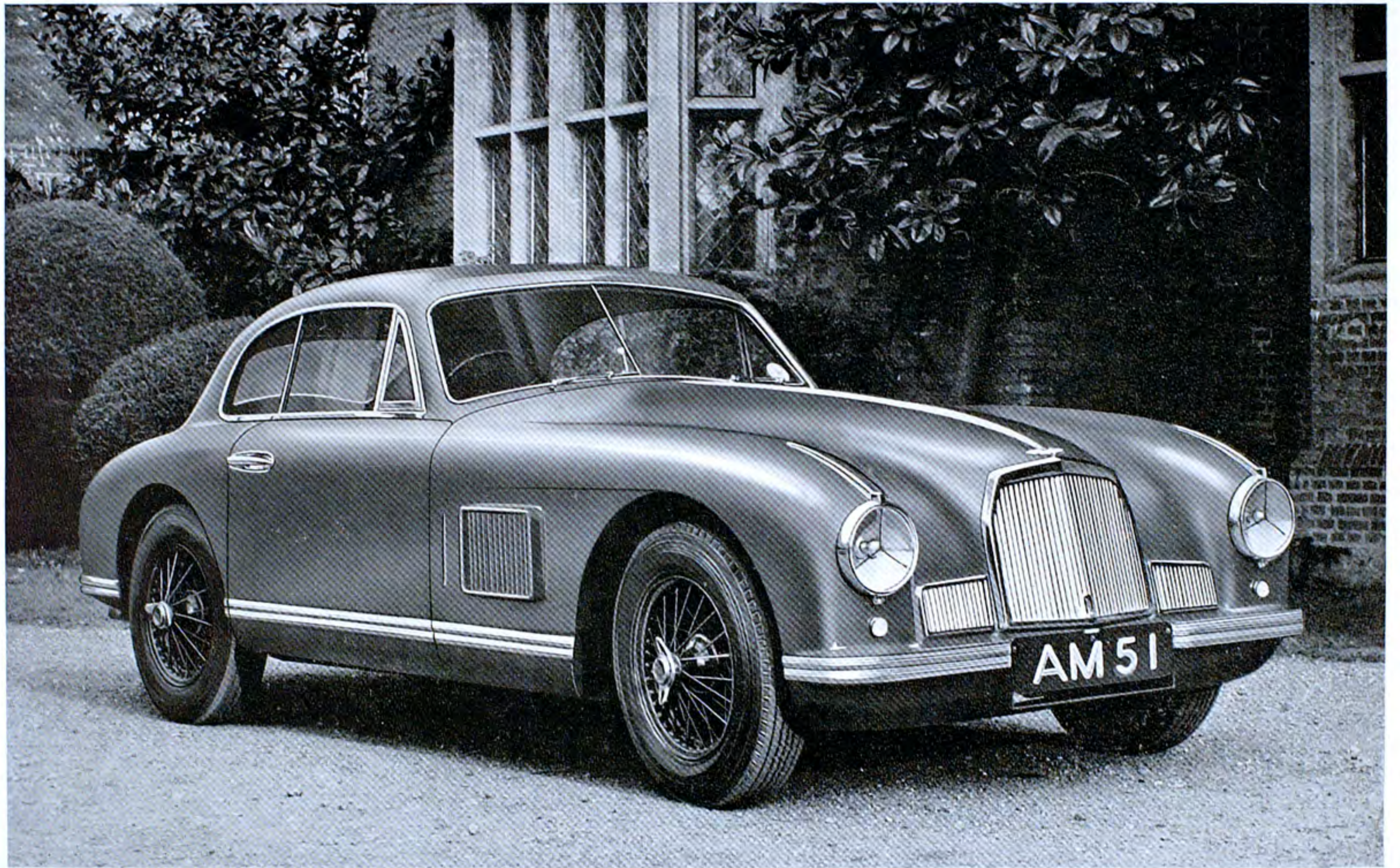
*1st and 3rd in Fourth Annual Cup.
3-litre lap record.*

*1st and 2nd in 3-litre class.
3-litre total distance record.*

1950 TOURIST TROPHY WINS

In this International event, the DB2 took 1st, 2nd and 3rd places in the 3-litre class.





“. . . the car is one of the most handsome to be produced by a British Company since the end of the war, and it is worth remarking that the extraordinarily pleasing lines have not been bought by the sacrifice of comfort or convenience.”

“THE MOTOR” APRIL 12, 1950

This rear view shows to particular advantage the lines of the DB2 Saloon. The bodywork is of special light-weight construction. Aluminium alloy panels on a light-weight steel tube frame give high power-weight ratio and exceptional body strength.

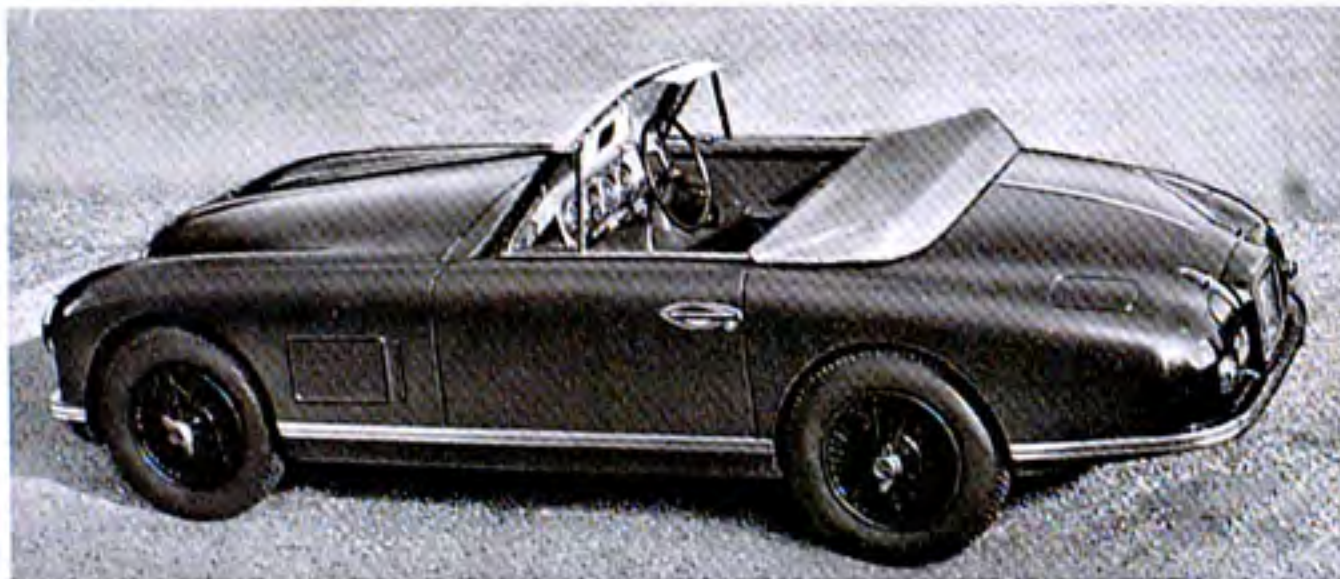


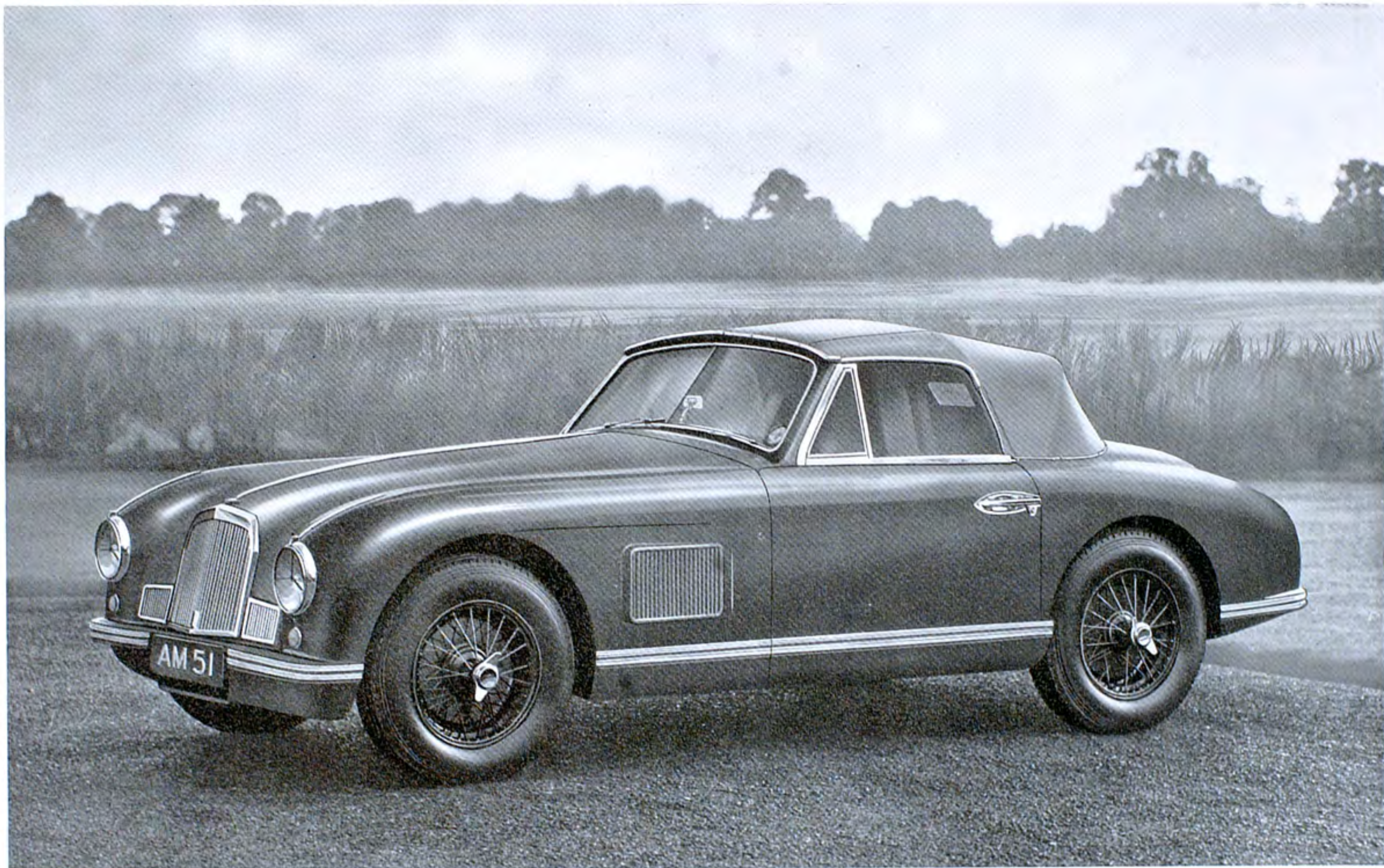
THE ATTRACTIVE INTERIOR OF THE DB2. The luxurious front seats give full three-seater accommodation, and have folding centre arm-rest. Excellent luggage accommodation is provided behind the seats. Full range of instruments includes speedometer, milometer and trip recorder, rev. counter, clock, petrol and oil capacity gauges, oil pressure gauge, coolant thermometer and ammeter.

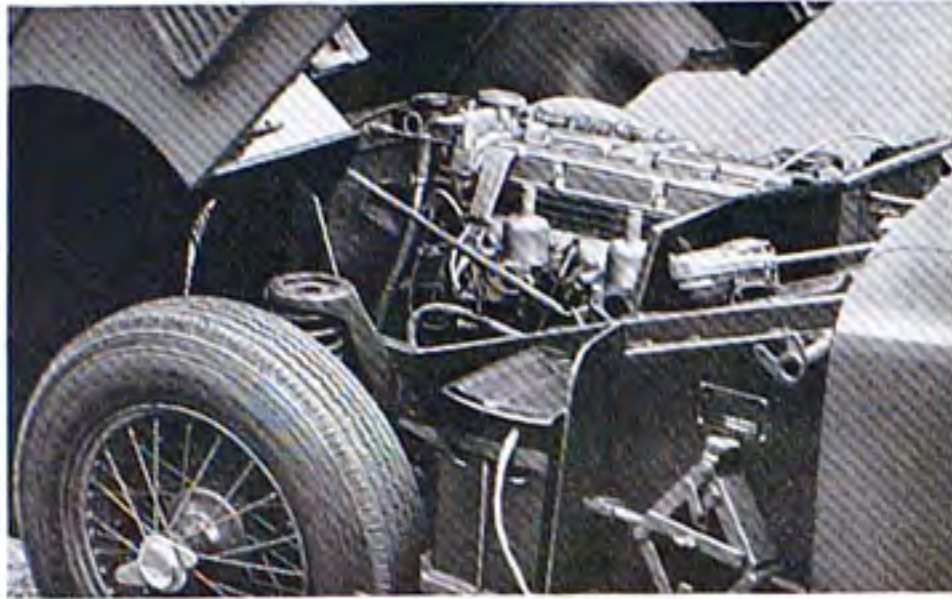


THE SPLENDID NEW *DB2* DROPHEAD COUPE

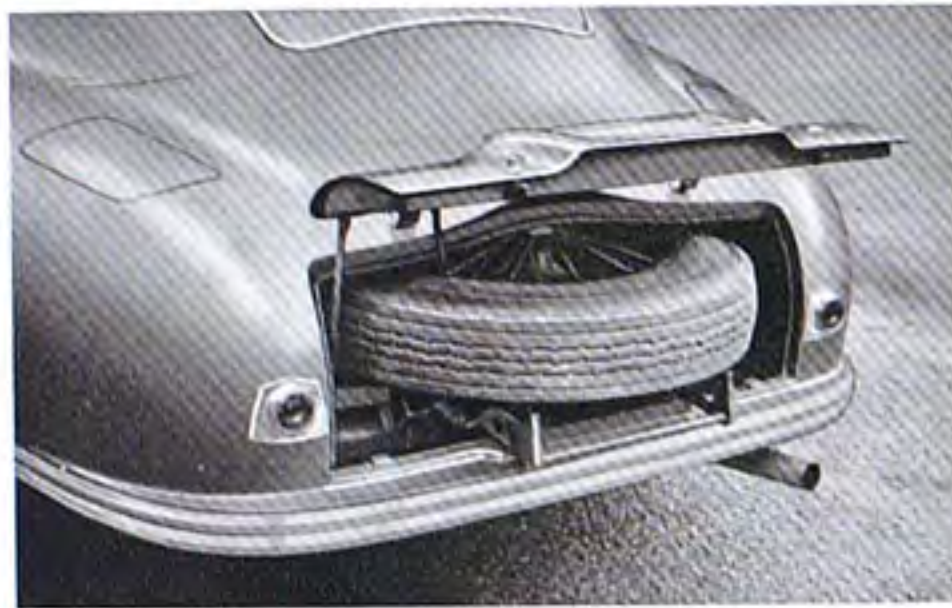
Fully justifying its most handsome appearance, the new DB2 Drophead Coupe gives the utmost satisfaction in terms of comfort and convertibility. The hood is padded and keeps its shape. There is no noise or flap even at high speeds. Folding is a one-man job of the greatest possible ease. When folded, the hood can be concealed and protected by a neat cover. Two large back lights give maximum visibility when the hood is up. There is a good choice of hood colours, and for the car itself any desired colour may be specified.



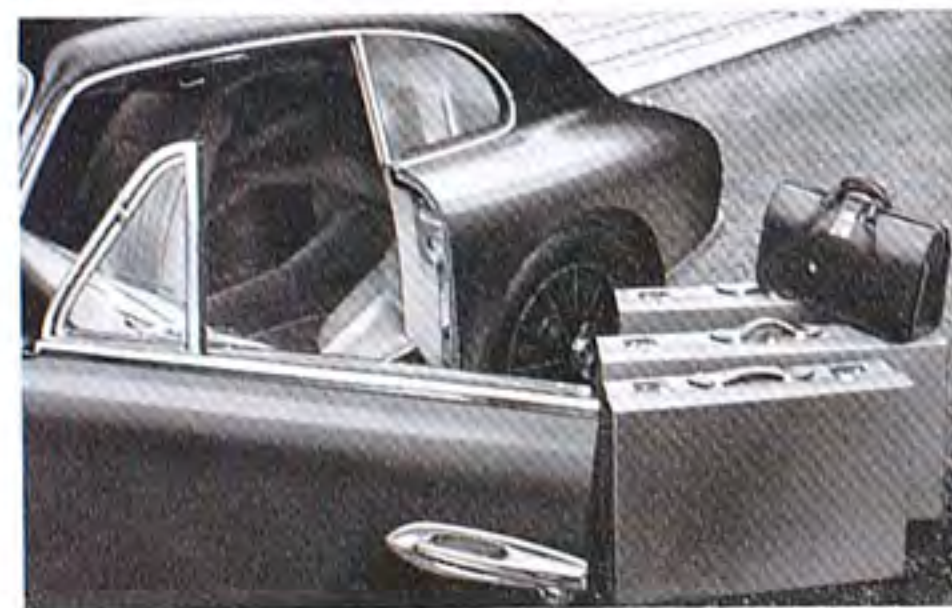




Front wings and bonnet are in one piece, hinged at the front for safety. Entire front of chassis thus becomes readily accessible. Bonnet lock is operated from the driver's seat. Whole unit is detachable for major overhauls.



The spare wheel is positively locked and fully protected from dust and grit, but can be instantly drawn from its housing above the fuel tank.



The exceptionally wide door gives easy access to the roomy luggage boot.



DB2 SPECIFICATION

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ENGINE. Six cylinder in line. Bore 78 mm. (3.07"). Stroke 90 mm. (3.54"). Capacity 2580 cc. (157.5 cu. ins.). Over 105 brake horse-power at 5000 r.p.m. Cast iron cylinder block with highest grade centrifugally cast iron detachable liners, provides maximum cooling with substantial weight saving. "Through bore" for main bearings gives extreme crankshaft rigidity.

OPTIONAL EXTRA. For additional performance, "THE VANTAGE" 120 b.h.p. at 5,000 r.p.m. high compression 2½-litre engine.

CRANKSHAFT. Carried on four massive main bearings, with steel backed liners. Short, stiff and light, the shaft has an appreciable overlap of the pins and journals on the webs, and is statically and dynamically balanced. The four crankshaft bearings supported in special aluminium alloy housings to dissipate heat.

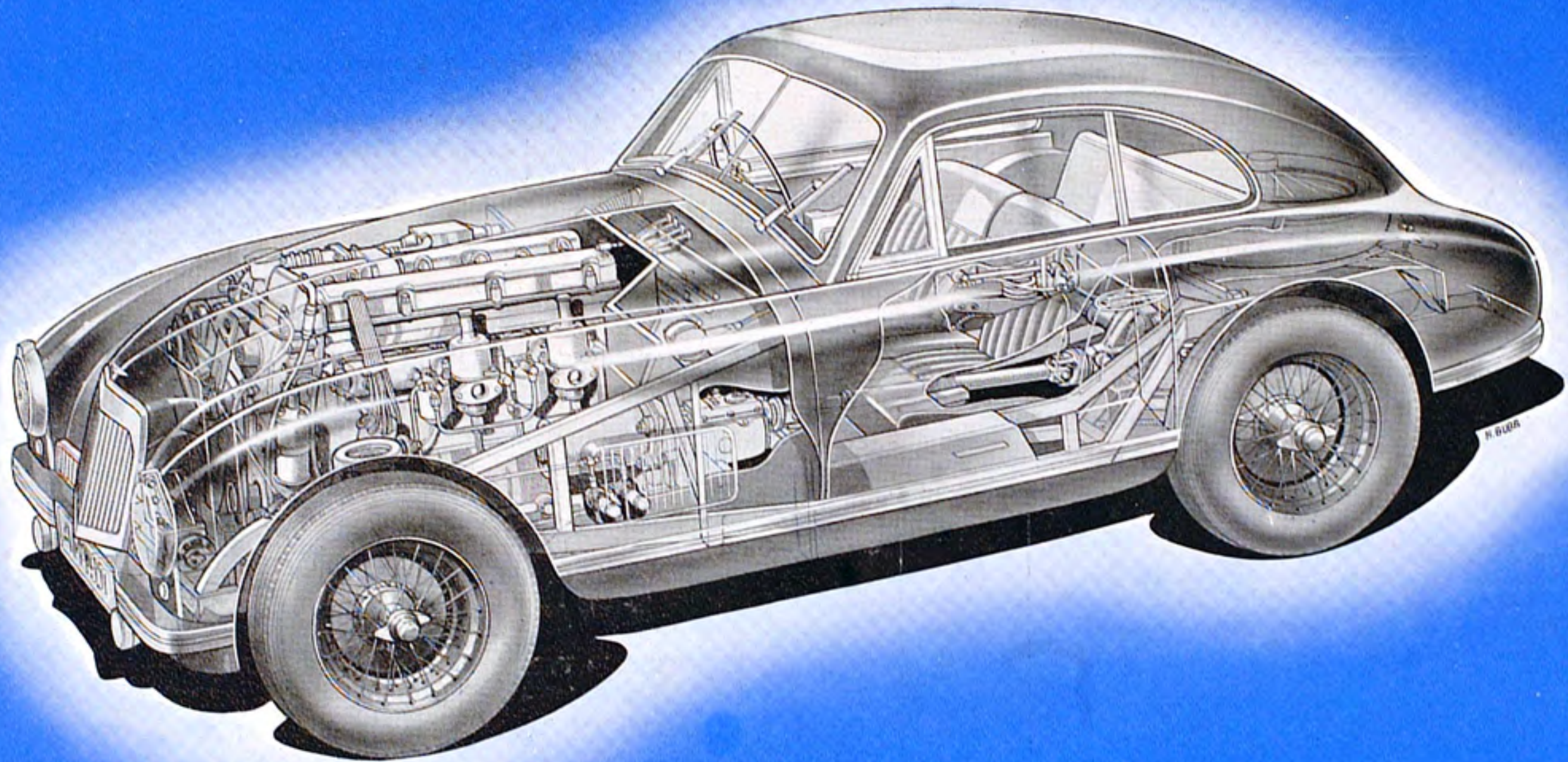
CYLINDER HEAD. Quickly detachable, with fully machined hemispherical combustion dome. Valves inclined at 30° in cylinder head, of generous size and efficiently cooled, guides being in direct contact with the coolant. Sparking plugs 10 mm. centrally situated.

VALVE OPERATION. Twin overhead camshafts with direct-attack valve actuation, eliminating tappet adjustment. Cams contact large-area thimble tappets directly over end of valve stems, ensuring minimum wear. Camshafts driven by duplex chain with hydraulic tensioners to prolong chain life.

LUBRICATION SYSTEM. Full pressure system to all crankshaft, connecting rod and camshaft bearings. Large capacity, positive filtration system incorporated.

CONNECTING RODS. Steel beam section, with integral bolts, ensuring maximum stiffness with minimum reciprocating weight.

PISTONS. Special die-cast aluminium alloy—diamond finished. Two compression, two scraper rings. Large diameter gudgeon pins, located by circlips.



Drawing by courtesy of "THE MOTOR"



DB2 SPECIFICATION Continued

COOLING SYSTEM. Thermostatic control. Closed circuit layout incorporates centrifugal water pump and large capacity tubular radiator with ample integral header tank.

IGNITION. High efficiency coil and distributor, with in-built automatic advance and retard. Distributor also has "octane" selector.

CARBURATION. Large twin variable jet S.U. carburettors. Auxiliary carburettor, electrically controlled from the dash for easy starting. Twin air cleaners and silencers.

FUEL SYSTEM. Tank capacity 19 Imperial gallons (86.37 litres). Twin electric fuel pumps. In-built reserve, electrically operated.

CLUTCH. Large friction area single plate design, fully balanced.

GEARBOX. Of David Brown manufacture, unit construction with engine. Light alloy casing incorporates four forward speeds and reverse. Baulk ring synchromesh on 2nd, 3rd and top. Close ratio racing type gearbox optional. Central or steering column change lever to client's own requirements.

GEAR RATIOS. Choice of two gearboxes and four axle ratios, giving a selection of eight overall ratios :—

No.	OVERALL RATIO					AXLE RATIO
	Top	3rd	2nd	1st	Rev.	
1	3.77	5.01	7.46	11	11	3.77
2	3.77	4.75	7.05	11	11	
3	4.1	5.45	8.12	11.97	11.97	4.1
4	4.1	5.16	7.66	11.97	11.97	
5	3.67	4.88	7.27	10.7	10.7	3.67
6	3.67	4.62	6.86	10.7	10.7	
7	3.5	4.66	6.93	10.22	10.22	3.5
8	3.5	4.41	6.55	10.22	10.22	

TRANSMISSION. Specially balanced open propeller shaft with hypoid bevel final drive.

STEERING. 17" diameter spring spoked steering wheel. Three-piece linkage gives accurate control in all conditions of bump rebound and lock. Worm and roller type steering box.

BRAKES. Extra large full hydraulically operated on 12" diameter drums. Cooling by carefully styled vents adjacent to radiator grille. Separate hand-brake, with pistol grip lever under scuttle.

FRAME. Steel tubular construction with cruciform bracing, ensuring maximum torsional and beam stiffness.

SUSPENSION. *Front* : Independent. Trailing links eliminate wheel scrub. Link arms incorporating anti-roll torsion bar, are carried on large needle roller bearings in oil baths. Vertical coil springs with large double-acting heavy duty hydraulic shock absorbers, ensure an "armchair" ride. *Rear* : Vertical coil springs and large double-acting heavy duty shock absorbers. Parallel radius arm linkage and panhard type anti-sway bar accurately locate rear axle.

ELECTRICAL EQUIPMENT. 12 volt positive earth system. 63 amp./hour battery, with automatic voltage control. Heavy duty high output dynamo, with "through" air cooling. Wiring plastic-covered for long life. Large in-built headlamps, and separate parking lamps. All lamps flush-fitting. Map reading and reverse lights included.

WHEELS AND TYRES. Dunlop Centre-lock quick change wire wheels ensure maximum rigidity with light weight. Special Dunlop Road Speed Tyres, 6.00" x 16".

GENERAL DIMENSIONS (Saloon and Drophead Coupe).

Wheelbase	...	...	...	...	...	8' 3" (251.46 cms.)
Track	...	...	...	...	...	4' 6" (137.16 cms.)
						front and rear.
Overall length	...	...	...	...	...	13' 6½" (412.75 cms.)
Overall width	...	...	...	...	...	5' 5" (165.1 cms.)
Overall height	...	...	...	...	...	4' 5½" (135.89 cms.)
Turning circle	...	...	...	...	...	35' 0" (1066.8 cms.)
Ground clearance	...	...	...	...	...	8½" (21.59 cms.)



Conditions of Sale

All new ASTON MARTIN motor cars, chassis, and parts thereof, are sold subject to and with the benefit of the following Conditions of Sale, whether such goods are sold direct to the user, or through or by a Distributor or Dealer.

A Distributor, Dealer, Retail Dealer, or Trader is not a representative or agent of the Company and is not authorised to pledge the credit of the Company nor to transact business on its account in any way whatsoever, nor is a Distributor, Dealer, Retail Dealer, or Trader authorised to make any warranty or representation on the Company's behalf.

The Company shall use its best endeavours to deliver in accordance with a customer's requirements, unless prevented by strikes, lockouts, war or other causes out of its control, but delay in delivery beyond the delivery date quoted by the Company shall not give the customer any right to damages.

Payment shall be made at time of delivery at the Company's Works, Feltham, Middlesex.

The Company reserves the right to change the price of its cars, chassis, parts therefor, at any time, and all cars, chassis and parts therefor, are sold subject to the prices ruling at the time of delivery.

All sales of the Company's Motor Goods are subject to the condition that no car or chassis or part therefor shall be exhibited at any Motor Exhibition held within Great Britain, without the approval of the Company.

The Company reserves the right to discontinue the manufacture of any model(s) at any time and to cancel any existing irrevocable orders in respect of such model(s). The Company may from time to time and

without notice make such alterations in the specification of cars made by them as it deems in its sole discretion to be necessary.

WARRANTY

The Goods supplied by ASTON MARTIN LTD. (hereinafter called "The Company") are supplied with the following express Warranty which excludes all warranties conditions and liabilities whatsoever implied by Common Law Statute or otherwise that is to say :—

In the event of any defect being disclosed in any part or parts of the Company's products and if the part or parts alleged to be defective are returned to the Company's works carriage paid within twelve months from the date when the goods are delivered new to the retail customer the Company undertakes to examine same and should any fault due to defective material or workmanship be found on examination by the Company it will repair the defective part or supply free of charge a new part in place thereof. This Warranty is limited to the delivery to the purchaser free at the Company's works of the part or parts whether new or repaired in exchange for those acknowledged by the Company to be defective.

The Company desires and expects that customers shall make a thorough examination of the Company's products before purchasing. Persons dealing in the Company's products are in no way the Legal Agents of the Company and have no right or authority to assume any obligation on its behalf express or implied or to bind it in any way.

For the purpose of this Warranty the term "Products" means and includes new cars or chassis or parts thereof including replacement parts manufactured by or for the Company to the Company's designs and drawings. It does not include tyres speedometers or electrical equipment or other proprietary articles or goods (including coachwork) not of the Company's own manufacture although supplied by the Company. Proprietary articles are covered by the Warranty (if any)

given by the separate manufacturers. On second-hand products no warranty is given by the Company or is to be implied.

The Company's responsibility is limited to the terms of this Warranty and it shall not be answerable for personal injuries or consequential or resulting liability damage or loss arising from any defects. This Warranty shall not apply to defects caused by motor racing wear and tear misuse or neglect or to the defects in any products which have been altered outside the Company's works or which have been let out on hire or the identification marks on which have been altered or removed.

The Company's liability under this Warranty is dependant upon the strict observance by the Purchaser of the following provisions :—

(a) The Purchaser at the time of purchase shall sign complete and return the form supplied by the Company and attached to the Warranty document and shall retain the signed Warranty. The Warranty shall not be assigned or transferred to anyone unless the Company's consent in writing has first been obtained.

(b) Parts claimed to be defective must be properly packed for transit and clearly marked for identification with the name and full address of the Purchaser and with the car and chassis number of the vehicle from which the said part or parts were taken.

(c) The Purchaser shall post to the Company at its works on or before despatch of such part or parts alleged to be defective a full and complete description of the claim and the reasons therefor.

(d) The judgment of the Company in all cases of claims shall be final and conclusive and the Purchaser agrees to accept its decision on all questions as to defects and to the exchange of part or parts. After the expiration of six days from the despatch of notification of the Company's decision, the part or parts submitted may be scrapped or returned carriage forward by the Company.

The use on the Company's products of replacement parts not manufactured by the Company will invalidate this Warranty.



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ASTON MARTIN LIMITED · HANWORTH PARK WORKS · FELTHAM · MIDDLESEX · ENGLAND

Directors: DAVID BROWN (Chairman and Managing), F. B. MARSH, J. STIRLING, J. WHITEHEAD.