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IOO PER CENT. FOR DOLLAR EXPORT



DONALD HEALEY MOTOR CO., LTD. WARWICK

Telephone: 676/7

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the Healey Concern on the Production of for U.S. Market

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Whilst this system works excellently under normal conditions, it has the serious disadvantage for racing purposes that a change down from overdrive to direct on a corner involves a sudden and (with a power-weight ratio such as that of the Nash-Healey) violent increase in torque, just at the moment when the car is, in any case, on the verge of sliding; thus a broadside is very liable to occur.

In the Nash-Healey, this possibility has been overcome by eliminating the kick-down change and transferring the relay switch to the centre of the steering column for manual operation irrespective of the throttle position. The upward change remains as before.

A further chassis medification which has been made since the car was originally described, is the neat mounting of the rear telescopic dampers within the coil springs, the dampers abutting direct on the axle and the ends of cylindrical housings formed in the rear of the chassis frame.

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NASH-HEALEY DATA

NASH-HEA		ALE	
Engine Dimensiona: Cylinders: Bore Stroke Cultic capacity Pieton ares Valves Compression ratio	85.7 mm. (3g ms.) (11.1 mm. (9g ms.) 3,848 cc. (234.8 cs. ms.) 33.6 sg. (14. Overhand 8.5 to 1	0	
Engine Performance: Max. b.h.p. at Max. b.m.e.p. at B.H.P. per sq. in. pitton area Peak piston speed ft. ber min.	1,000 r.p.m. 134 8 1,600 r.p.m. 2,33 2,920	Di	
Engine-Details: Carbanetter Ignition Plugs: make and type Fuel partip fuel capacity Oli Sifter (make, by, sate or full flow) Oli Capacity Capacity Water capacity Discripts system Battery capacity	Two S.U. (H6) Coal 14 mm. Autolite ALS or Lodge CN A.C. Mich, A.T. palls, 10 pints Partip 4 parts 6 volt 105 amo, firs.	Per	
Transmission: Clutch Gear ratios: Top 2nd	Single dry plate Direct Overdrive 154 246 548 384 909	1	

LET DATA	
Chassis Details: Brains Brains drum diameter Priction living area Suspension: Front	Hydraulit Independent looil, tra- ing link and anti-ro
Shock absorbers Wheel type Tyro size Stoering gear Stoering wheel	Dary Coil and panhard roc Girling 15 in, thic, 640 x 15 Burmen re-circulating ball Bruemel 17 in, adjustable
Dimensions: Wheelbase	8 ft. 6 ins. 4 ft. 7 ft. ins. 4 ft. 2 ins. 4 ft. 5 ins. 14 ft. 6 ins. 5 ft. 6 ins. 6 ft. 6 ins. 6 ins. 6 ins. 14 ft. 8 ins. 7 ins. 14 ft. 8 ins. 15 ins. 16 ins. 17 ins.
Performance Data: Piston area, sq. in. per ton Brake lining area, sq.	49.0

Littres per ton-mile

Direct, 21.8; Overdrive, 31.2 STOCK-IN-TRADE—Nash engines arrive from America with modified camshaft, cylinder head and inlet manifold, twin horizontal S.U. carburetters fitted in England giving maximum performance and minimum engine height.





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Warwick Factory of Now Totally Engaged Nash-Healey Models

COMPOSITE— Engines and transmissions built in America by Nash Motors are installed in race-bred Healey chassis at Warwick.

HALK and cheese have at least as much in common as photography, with 35 mm. cameras, and the production of high-performance sports cars—or as little. Yet it was, oddly enough, a mutual interest in 35 mm. cameras which brought together two passengers who were on their way to New York in the liner "Queen Elizabeth" in December 1949, and paved the way to an unique export achievement by a British motor-car manufacturer; and, if it comes to that, to an unprecedented commercial arrangement by an American car manufacturer as well.

The personalities concerned in this chance meeting were Mr. Donald Healey, managing director of the Donald Healey Motor Co., of Warwick, who was on his way to the U.S. to investigate the possibilities of using American power units in an export edition of the Healey, and Mr. George W. Mason, President of the Nash-Kelvinator Corporation of America. It was as a result of preliminary conversations which took place on this voyage that the Nash-Healey project finally arose.

As readers are now aware, although the fact was not public knowledge at the time, it was the original prototype of this new Anglo-American marque which took fourth place in the general classification of the Le Mans 24-hour Race last summer, having covered 2,103.4 miles at an average speed of 87.6 m.p.h. in the process. First public announcement of the car appeared in "The Motor" of October 4 last year and the car was exhibited for the first time at the London and Paris Motor Shows immediately afterwards. In America, the car made its initial appearance at the Chicago Automobile Show just under two months ago.

Now, the entire facilities of the Healey factory at War-

wick are devoted to its production. Thus to Donald Healey goes the credit, not only for seeing the possibilities of an Anglo-American link-up in sports-car production, but also for the enterprise necessary to carry through the project to a stage in which the entire energies of his factory are devoted to dollar-earning—a position unique in the history of the motor industry.

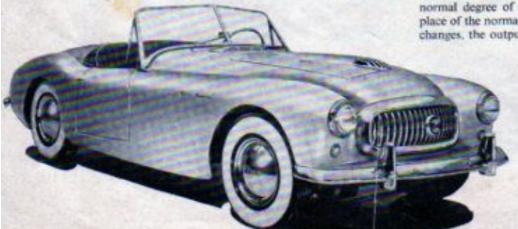
As readers who are familiar with the American scene will know, the sports car occupies a far less prominent position in the U.S. market than is the case in Europe; no major American manufacturer, in fact, has seen fit to introduce a sports model since the mid-20's. There exists, nevertheless, a very enthusiastic fringe which has hitherto been entered for solely by European cars; and it is to this small but enthusiastic field that the Anglo-American Nash-Healey, with an initial target output of 500 cars a year, is designed to appeal.

Combined Effort

The basis of the car is a slightly modified Healey Silverstone chassis, a Nash engine and transmission line (complete but slightly modified for the purpose in hand) and a three-abreast body specifically designed for the American market. Production arrangements involve importation of the Nash components under special licence, their installation into the Healey chassis and the fitting of British bodywork, after which the complete cars are shipped to the U.S. for sale through the Nash dealer organization.

In view of the description already published and the full specification set out in the usual way on these pages, there is no point in dealing with the design in detail here, but one or two points of particular interest must be mentioned.

The engine, for example, is fitted with a high-compression aluminium head, a camshaft giving a greater-thannormal degree of overlap, and two S.U. carburetters in place of the normal single instrument. As a result of these changes, the output is increased from 115 b.h.p. at 3,400



SPORTING LUXURY—Geared for threefigure cruising speeds in its overdrive gear, the Nash-Healey has three-abreast seating, winding windows, and a "Weather Eye" thermostat-controlled fresh air heating system. Lights are American, tyres white-wall Goodyears made in Wolverhampton.

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