

THE DORETTI SPORTS CAR

The DORETTI sports car is a luxury motorcar although it is competitively priced for the sports car enthusiast. Built by The Swallow Coachbuilding Co., (1935) Ltd., it is priced at \$2905 at ports of entry. The price includes deluxe leather upholstery, disc wheels, heater, tonneau cover and tools. The Doretta with wire wheels is priced at \$2980, port of entry.

Exhaustive tests have proved its outstanding performance at speeds of more than 100 m.p.h. in touring trim and without overdrive.

The new Doretta boasts a chrome-moly tubular steel chassis which, until this time, was limited to only a few very expensive foreign sports cars. Its two litre engine and four speed gear box provide the discerning and demanding sports car owner with high speed safe performance under the most exacting conditions.

Further information on the Doretta may be had from the local dealer or by writing directly to:

South Eastern Motors, Inc.

7 Park Avenue

New York, N.Y.

CAIN MOTOR SALES, INC.
E. Genesee St. Road
Skaneateles, N. Y.

Doretta-2

SPECIFICATIONS

Engine: four cylinders. Bore-83mm. (3.268 in.). Stroke--92mm. (3.622 in.). Capacity--1,991 c.c. (121.5 in.). 2 litre. B.H.P. 90 at 4800 r.p.m. Piston speed--2,850 ft/min. at 4800 r.p.m. (equivalent to 100 m.p.h.). Compression ratio --8.5:1. Cylinder sleeves are replaceable and fitted in direct contact with cooling water. Aluminum alloy pistons. Three bearing crankshaft with integral balance weights. Overhead valves, push-rod operated. Four bearing camshaft, hyposine cams; drive by Duplex chain. Cooling system is thermostatically controlled, 14 pints capacity. Pump circulation, V-belt drive. Fuel system--12 Imp gal (54 1/2 litre) tank. Mechanical gas pump. Twin carburetors. Lubrication--pump submerged in sump, gauze filter. Furolator by-pass type oil cleaner with replaceable cartridge. Ignition--coil, centrifugal and vacuum controlled automatic advance. Champion L. 10/s plugs. Ventilated type dynamo. Buoyant power flexible mounting for engine and gearbox unit. Borg & Beck clutch, 9 in dia. single dry plate, hydraulically operated. Gearbox--four forward ratios and reverse. Positive synchromesh gears on 2nd, 3rd, and 4th forward ratios. Silent helical gears. Gear shift lever placed centrally in car.

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|----------|------|-------|-------|-------|-------|
| Ratios: | Top | 3rd | 2nd | 1st | Rev. |
| | 1.00 | 1.325 | 2.008 | 3.382 | 4.283 |
| Overall: | 3.7 | 4.9 | 7.4 | 12.5 | 15.8 |

Overdrive (optional extra) when fitted gives overall top gear ratio 3.03.

Hardy-Spicer all metal propeller shaft, needle roller bearings. Short length to avoid whip and simplify frame construction. Front axle--independent suspension system with rubber-bushed wishbone shackles top and bottom. Patented bottom bush and top ball-jointed wheel swivels. Taper roller hub bearings. Rear axle--semi floating axle shafts, three piece casing. Ball bearings in hub. Drive--hypoid bevel gears, taper roller bearings.

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Doretti-3

Ratio--3.89. Wheels are steel disc type with chrome nave plates. Suspension--low periodicity coil springs for independent suspension at front with telescopic dampers; wide semi-elliptic springs at rear, controlled by piston type dampers. Lockheed hydraulic brakes, front 10 in. x 2 1/4 in., rear 9 in. x 1 3/4 in. Total lining area 148 sq. in. Two leading shoe-type used on front wheels, leading and trailing shoe-type on rear wheels. Alloy cast iron brake drums. Foot operated on all four wheels hydraulically. Centrally mounted hand brake operates on rear wheels mechanically.

Steering--high gear cam and lever type unit. Optional right or left hand drive. Steering wheel 16 in. dia., three spoke, spring type. Battery--12 volt, 51 amp/hr. located under the hood.

Body: two-seater open sports steel and aluminum body with all-weather equipment. Detachable one-piece windscreen fitted with safety glass. Provision is made for easily detaching screen and fitting aero-type screen for speed. Body construction allows easy removal of main panels and fenders in the event of damage requiring major repairs. Deluxe leather upholstery including instrument board and cockpit crash pads with inner sponge rubber. Two adjustable bucket type seats. Five in. tachometer and 5 in. speedometer with trip, positioned in front of driver. Separate instruments for fuel, water temperature and oil pressure. Ignition and headlight beam warning lights. Indirect instrument illumination. Control buttons for starter, carburetor strangler, windshield wipers, headlights, parking and panel lights. Ignition locks. Luggage space behind seats and in boot. Spare wheel is located in boot with lock and interior control knob for release. Anti-rattle type locks on each door. One-piece hinged hood with interior control lock.

General equipment: headlights, F. 700 flush-fitting sealed unit; pre-focus bulbs, foot operated dip-switch. Parking lights located below headlights. Rear lamps, two tail and stop lamps, reversing and license plate illumination. Twin

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Doret i-4

windstone horns located under hood. Carpets at front over thick felt underlay. Hood is hinged and provided with stay for support when open. One-piece chrome bumpers of deep substantial design. Twin windshield wipers.

GENERAL INFORMATION

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|--------------------|--|
| Wheelbase | 95 in. |
| Track | Front 48 in. Rear 45 1/2 in. |
| Ground clearance | 6 in. |
| Turning circle | 36 ft. 6 in. |
| Overall dimensions | length 152 in. width 61 in. height (unladen) hood erect 51 in. top of screen 48 1/2 |
| Weight | dry 1,860 lbs. complete (including tools, fuel, oil and water) 2,000 lbs. |
| Tires | 5.50-15 in. |
| Capacities | Fuel 12 1/2 Imp. gal. Engine 13 pints Gearbox 1 1/2 pints Rear axle 1 1/2 pints Cool. sys. 14 pints. |