



BOBSY DIVISION

OF C. W. SMITH ENGINEERING CO., INC.

139 KOONS AVE.

MEDINA, OHIO

PA 3-5445

Jan 5

1122 South 30th St.
Lincoln, Nebr.

Mr Liska:

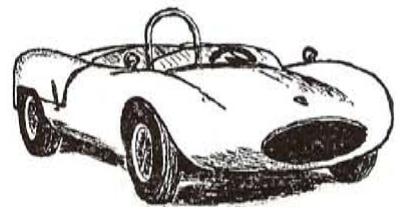
Find enclosed information concerning the Bobsy. Prices are indicated in the latest issue of the "Sports Car". There are many , many engine and gearbox combinations available. Could you be more specific?.. Will be coming out with a complete catalogue soon and will send you one.

Yours truly

Gerald A Mong
Gerald Mong

Thanks to Jim Liska of Virginia for the loan of this complete example of an original Bobsy Price List.

S. C. C. A. 1963 G MODIFIED NATIONAL CHAMPION



BOBSY Mk II

FOR F, G, OR H MOD. OR UNDER-2-LITER RACING

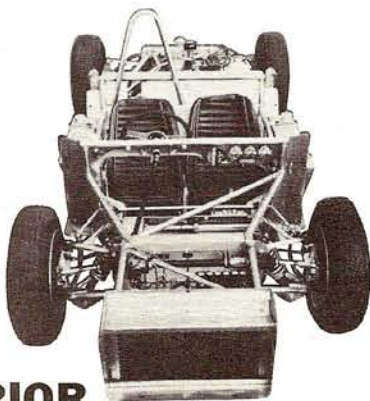
1963 SCCA National Champion - G Mod. Class



SUSPENSION

The front suspension consists of unequal length control arms with a tubular upper A-frame and a specially designed cast aluminum lower control arm. The upright also is a special aluminum casting. Adjustable Gabriel shock absorbers are mounted inside coil springs. Camber and toe-in settings can be varied to suit and the antiroll bar is adjustable too.

The rear suspension also consists of unequal length control arms with a single tube upper and a tubular A-frame lower, plus two parallel leading arms. Coil spring-shock absorbers are similar to the front units. The hub carriers are special aluminum castings. Camber and roll center height are adjustable.

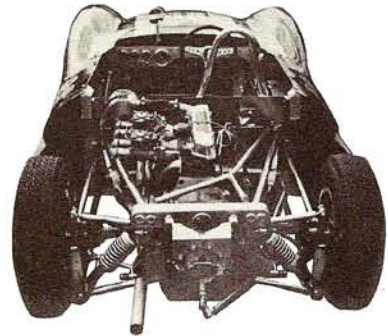


INTERIOR

Cockpit features include two upholstered semi-reclining fiberglass seats. The driver's seat and the steering wheel can be adjusted to suit large or small drivers. Instruments include an electric tachometer, oil pressure gage, and oil and water temperature gages. The gear shift lever is mounted on the right and is equipped with first gear and reverse lockout.

BODY

The aerodynamic body is designed to present minimum frontal area for low rolling resistance. Molded of reinforced fiberglass, the body is light, but strong enough to withstand the rigors of road racing. All body panels can be removed for access to the chassis and engine. While the front section is fastened down by six bolts, quick access to the front suspension and foot pedals is provided by a removable panel on the front deck. The rear section can be quickly removed for access to the engine after releasing a spring lock between the seats. A wrap-around molded plastic wind screen blends in smoothly with the body lines. Doors conform to FIA's Appendix C regulations, as do all other body components.



FRAME

The race-proven frame is a rigid, fully triangulated structure built of 1 1/4-in. OD 6061-T6 aluminum tubing with .065-in. wall thickness. Heli-arc welding is used throughout to obtain sound, strong welds. After assembly, the entire frame is stress relieved. Total weight of the frame, complete with all brackets and hangers attached is only 47 lb. Each frame carries a warranty against failure due to engineering or workmanship.

Wheelbase, in.....	88.5
Length, in.....	121
Track, in.....	49
Width, in.....	54
Height, in.....	27.5
Weight, dry, lb.....	740
Brakes.....	9 1/2-in. disc
Steering.....	rack & pinion
Wheels.....	13-in., 6 in. wide
Fuel Capacity, gal.....	14

Basic Bobsy

Furnished ready for installation of engine and gearbox. Spare wheel included. Painted in color of your choice.

BASIC PRICE

\$3995

H Modified

Ready to race. Supplied with 105 Ford modified as follows: Sleeved to 850cc, high compression head, racing cam, tuned exhaust, twin Webers. Produces about 70 hp. Four-speed VW gearbox is fitted. Brakes are single-caliper Airheart units.

\$4995

G Modified

Ready to race. Supplied with 109 Ford engine bored to 1100cc and fitted with the 105 crankshaft. Engine features modified head, racing cam, tuned exhaust, twin Webers. Produces 90 hp at 7200 rpm. Four-speed VW gearbox is fitted. Brakes are double-caliper Airhearts.

\$4995

F Modified

Ready to race. Supplied with Ford 109 engine bored out to 1500cc and fitted with modified head, racing cam, tuned exhaust, twin Webers. Produces about 122 hp at 6500 rpm. Four-speed VW gearbox is fitted. Metal universal joints are used outboard on half shafts instead of rubber joints. Brakes are double-caliper Airhearts.

\$4995

OTHER ENGINE OPTIONS

Stoddard - Alfa

1470cc dohc engine developed by Alfa expert Chuck Stoddard to produce a reliable, realistic 135 hp at 7000 rpm. Uses modified Giulietta and Giulia components and special cams and other parts. Supplied complete with clutch, water pump, and ignition. Dry weight is about 260 lb.

\$2000

Holbay Ford

(PLEASE NOTE: Prices quoted below are FOB; freight charges, duty, etc., are extra. Also, these engines require starter, generator, flywheel, and clutch.)

Type 3B: Produces 105 hp at 7400 rpm. With wet sump.	\$890
Type 3B/DS: Same as above, but fitted with dry sump.	\$1070
Type 5B: Produces 110 hp at 7800 rpm. Features 5-bearing camshaft and dry sump.	\$1210
Holbay/Laystall nitrided steel crankshaft for any of above, when fitted during assembly.	\$270
Type 3B/1500: 1500cc.	\$915
Type 3B/1500/DS: Same as above, but fitted with dry sump.	\$1100
Steel crankshaft for above, to produce 130 hp at 6800 rpm.	\$275

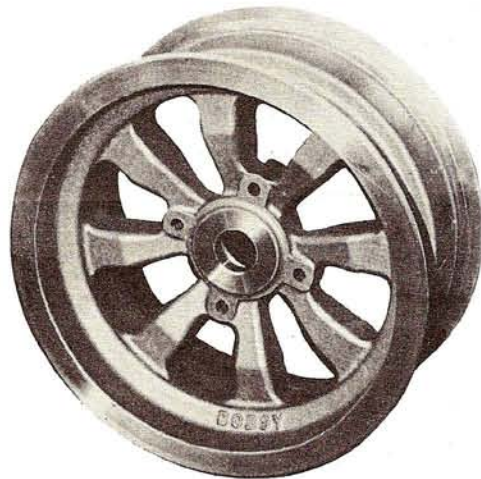
GEARBOXES

VW 4-speed with standard ratios, fitted to Bobsy.	\$350
VW 4-speed with close ratios, fitted to Bobsy.	\$450
VW gearbox converted to 5-speed with close ratios. Wide range of ratios is available. Only supplied in a Bobsy.	\$900

WHEELS

Wheels are cast of high strength magnesium alloy and heat treated. They are 13 in. in diameter with rims 6 in. wide.

Per wheel \$58



BRAKES

Airheart caliper units are used with specially designed discs cast of abrasion-resistant Meehanite metal. The single caliper units are used for H Modified cars; double calipers are used on other cars.

Replacement pads, each \$2.00

TRAILER

Two-wheel trailer is specially designed to carry the Bobsy without bumping and jolting on a torsion axle suspension. Trailer is painted and supplied complete with two 15-in. tires and tubes, running and stop lights, and hitch. \$325

Covered trailer. Same as above with waterproof covering. \$400

All Prices Subject To Change Without Notice
