

BOBSY Mk II

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

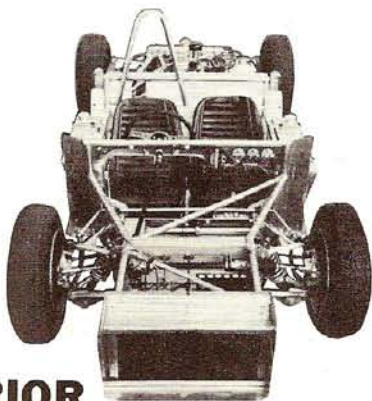
1963 SCCA National Champion - G Mod. Class



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.

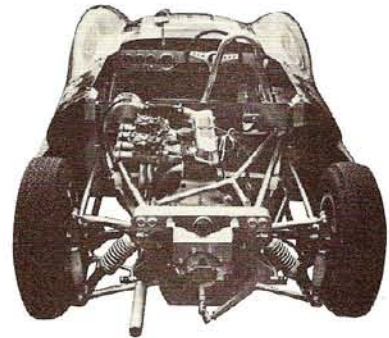


INTERIOR

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
Width, dry, lb.....	740
Brakes.....	9 1/2-in. disc
Steering.....	rack & pinion
Wheels.....	13-in., 6 in. wide
Fuel Capacity, gal.....	14

#4900.00 w/p Engine or Gear Box.
- over -

BOBSY DIVISION

139 KOONS AVE.

MEDINA, OHIO

725-4350

725-4359

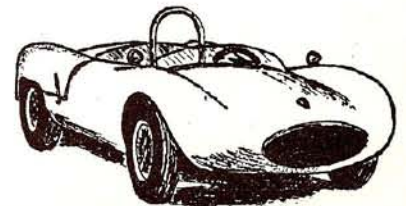
Here at Bobsy we have been aware for some time that many potential buyers of modified sports racing cars possess two things in great abundance. One, a raft of racing car parts, which usually include engines, gearboxes, seats, bits and pieces and at least one heavy out dated chassis of some sort, and two, great mechanical skill and aptitude.

For these reasons we have been prompted to offer the Bobsy in a kit form, as the chassis has proven itself versatile enough to accept many different engines up to 160 HP.

It is now possible for an owner to update his equipment for the least possible expense while still using the better components on hand, or for the person just starting in modified racing to do so with the least expense.

An effort has been made to furnish in each kit the components which would be impossible for the home constructor to do on his own. Bits and pieces which the average owner can fabricate and assemble on his own have been omitted from the kits. For instance, there is no wiring supplied as this is a time consuming process and contributes greatly to the final chassis price: the same for body mounting, sanding, painting, final assembly of suspension, and engine installation and hook up. These are the things which make it necessary to charge \$4150 for an assembled chassis (without engine or gearbox). By leaving these things to the buyer we can reduce the price of the car in kit form to as little as \$1955.62 for the basic kit and \$2499.02 for the Delux kit. One should also be aware that each part can be purchased separately.

It should be understood, these are not kits that can be done by a 5 year old in a few hours.



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

BOBSY DIVISION

139 KOONS AVE.

MEDINA, OHIO

725-4350

725-4359

It will require a good many nites and weekends, but when one is finished there will be a racing car produced with a value considerably greater than the orgional investment.

We are also offering a chassis structure which will accept the Corvair engine. This chassis frame is listed for \$895 and of course the 175 x 2 double spot brakes are necessary. Items 2 thru 15 are the same for this kit.

Complete step by step instructions are furnished with each kit and part numbers are given for any parts not furnished. (such as brake cylinders on the basic kit).

Following is a list of components supplied in each kit and the price of each. A complete description of each component is given on an additional page.

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



BOBSY DIVISION

139 KOONS AVE.

MEDINA, OHIO

725-4350

725-4359

PRICE LIST

BASIC KIT

#1	Chassis frame, aluminum, unpaneled	695.00
#2	12 suspension arms with bushings and Heim joints	217.00
#3	2 cast mag front uprights with brake disk, axle, bearing and seals	240.72
#4	2 cast mag rear hub carriers with brake disk, axle, bearings and seals	268.50
#5	Body shell, fiberglass, ready to mount	350.00
#6	*4-175 x 1 Airheart calipers	122.40
#7	4 suspension springs	35.00
#8	8 spring seat castings	8.00
#9	1 front anti-roll bar	<u>19.00</u>
	BASIC KIT ---Total price	\$1955.62

DELUX KIT includes the following additional items

#10	4 Magnesium wheels 6 x 13	252.00
#11	1 formed prexaglas wind screen	35.00
#12	2 formed prexaglas H/L covers	10.00
#13	Pedals, master cylinders, brake pipes, special fittings and flex hose, installed in chassis	113.95
#14	Chassis frame paneled	113.20
#15	2 fiberglass seats	<u>19.00</u>
	Total price of DELUX KIT	\$2498.77

*** if the 175 x 2 double spot airheart
brake is required, add 79.40...
recommended for F cars.



BOBSY DIVISION

139 KOONS AVE.

MEDINA, OHIO

725-4350

725-4359

DETAILED EXPLANATION OF ITEMS INCLUDED IN KITS

- #1 Chassis frame. This would be a complete welded aluminum unit, stress relieved and ready to panel and assemble suspension units to. It includes all suspension pickup points, gas tank brackets, shift mounting pad, steering gear mounts, roll over bar and its back brace. Pedal mounting lugs and master cylinder mountings are provided. It will accept many engines includeing SAAB, Ford, Alfa, Climax, OSCA, Twin Cam Ford as well as many others. Alternat mounting points are provided in the structure.
- #2 A complete set of 12 suspension arms done in high strength aluminum and magnesium. All threaded holes are Heli-Coiled and rubber bushings are installed where necessary. Ready to assemble to the chassis frame.
- #3 A complete front suspension unit, assembled. Includes the cast magnesium upright/steering arm, brake disk, axle, calipher mounting lug with bearings and seals installed and adjusted.
- #4 A complete rear suspension unit, assembled. Includes the cast magnesium hub carrier, brake disk, rear stub axle (machined from 5½" x 6" solid billit) , calipher mounting lug with bearings and seals installed and adjusted. Also provided is the thru bolt for attaching the rear lower arm.
- #5 Fiberglass body shell. Will require cutting out the inside wheels housing (pattern provided) and bonding them into place. Will be necessary to provide mounting bar and bond into tail section (plans provided) , sanding and painting. Door hinge is provided but not installed.



BOBSY DIVISION

139 KOONS AVE.

MEDINA, OHIO

725-4350

725-4359

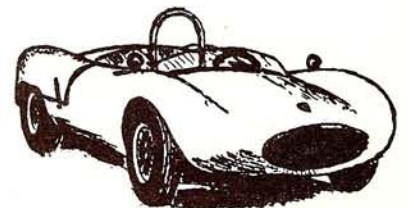
- #6 These are aluminum Airheart brake calipers of the 175 x 1 type which indicates they are of the 2 pad type. Recommended for H and Some G cars. 175 x 2 (which has 4 pads) is recommended for F cars . Supplied ready to bolt onto the mounting lugs provided .
- #7 Suspension springs wound to suit the suspension design of the Bobsy. Plated.
- #8 Spring seat castings will require a small amount of machine work and assembly to the shock absorber (Monroe number 1021).
- #10 4 light weight magnesium wheels 6" wide and 13" dia. 5 and 7" wheels are also available. The Corvair steel wheel can be used if desired. note # 1
- #13 Includes brake, clutch, throttle pedal installed in chassis frame, brake cylinders mounted and brake ratio adjustor installed, clutch master cylinder installed, fluid containers installed, installation of all brake pipes (steel with copper coat) and flex hoses, special fittings and stop lite switch.
- #14 Chassis frame complete with aluminum paneling installed.
- #15 2 fiberglass seats to fit runners provided. Would require padding and seat adjustor bracket.

note # 1 For 7" wide wheels add \$11.00 per wheel
For 5" wide wheels subtract \$8.00 per wheel

All prices FOB Medina, Ohio

Crating charge on Basic or Delux kit for truck shipment =40.00

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



850 cc

80 HP Saab - INSTALLED - READY TO GO
\$1000

1100 cc

105 HOLIDAY FORD 3 BRG, 105 HP, \$1400
5 BRG 122 HP, \$2250

1500 cc

FORD Twin Cam COSWORTH - \$2000

JIM LISKA'S
NOTES AT THE
TIME HE RECEIVED
BOAST LITERATURE.