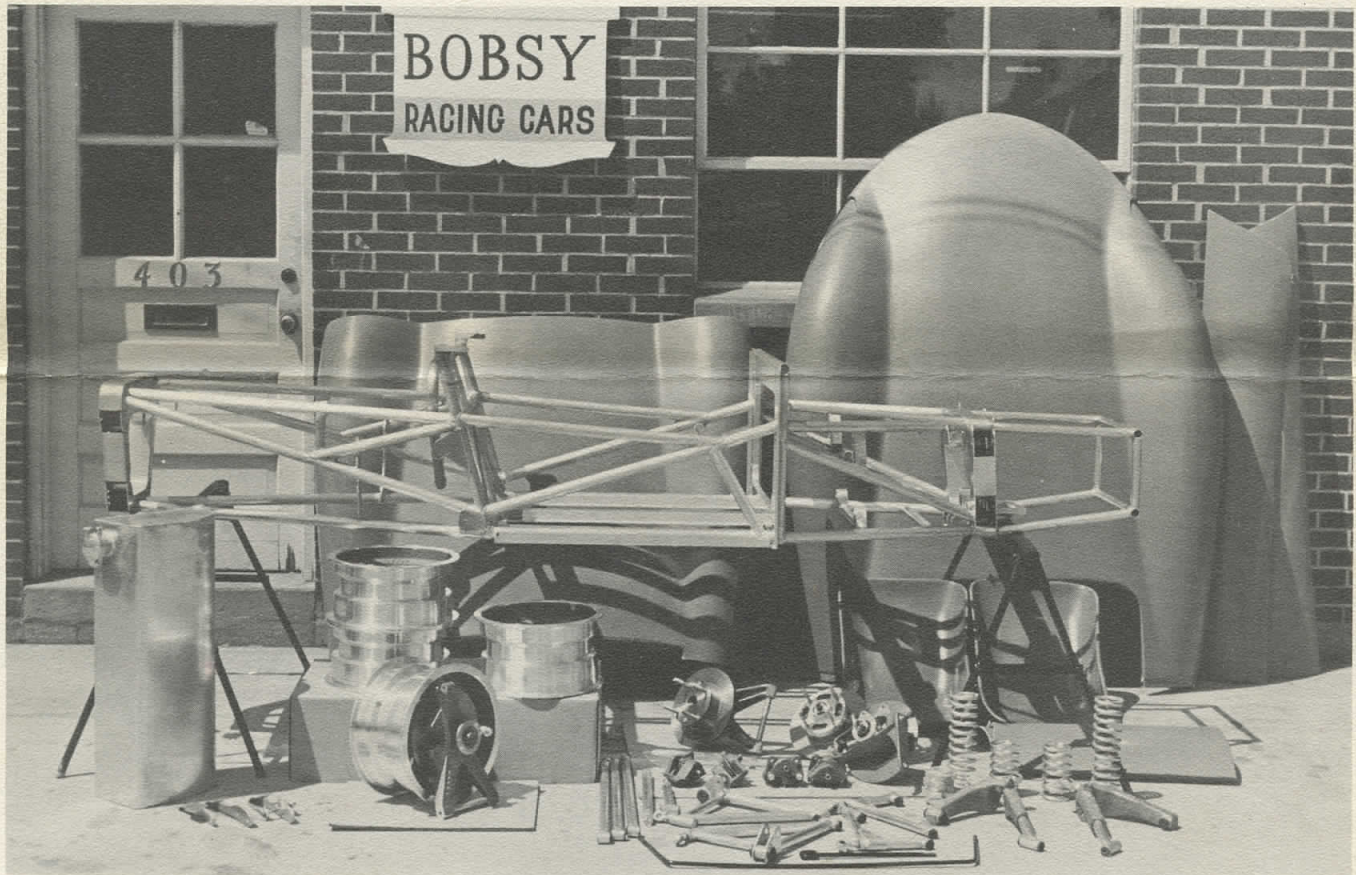




BOBSY SR3 KIT



Potential buyers of modified sports racing cars usually possess two things in great abundance. One is a collection of racing car parts, including an engine, a gearbox or two, seats, and assorted bits and pieces. The second is considerable degree of mechanical skill.

For these people, Bobsy is making its SR3 available in kit form. The design of the proven, all-aluminum chassis is versatile enough to accept many different engines for racing in H modified up through under-2-liter racing.

The kit is made up of those components which would be impossible for the home constructor to

make on his own. Those parts which he can fabricate or purchase himself, such as wiring, instrumentation, steering, and upholstery have been left out of the kit.

You will need to devote many evenings and weekends to building your SR3, but when you are finished, you will have a racing car with a value considerably greater than the original investment. Complete step-by-step instructions are furnished with each kit, and part numbers are given for any parts not furnished. Following is an explanation of components supplied in each kit. A price list is furnished overleaf.

BASIC KIT

1. Chassis frame. This is a complete, welded aluminum space frame. It includes all suspension pickup points, gas tank brackets, shift mounting pad, steering gear mounts, and roll-over bar, and back brace. Pedal mounting lugs and master cylinder mountings are provided. The engine bay will accept SAAB, Ford, Alfa, Climax, OSCA, twin-cam Ford, and many other engines. Appropriate engine mounting points are provided.

2. Suspension members. A complete set of 12 suspension members of steel, aluminum and magnesium is furnished ready to assemble to the chassis frame. All threaded holes are Heli-coiled and rubber bushing or rod ends are installed where necessary.

3. Two complete front suspension assemblies. Each includes the cast magnesium upright/steering arm, brake disc, axle, caliper mounting lug with bearings and seals installed and adjusted.

4. **Two complete rear suspension assemblies.** Each includes the cast magnesium hub carrier, brake disc, stub axle, caliper mounting lug with bearings and seals installed and adjusted. Also provided is the through bolt for attaching the rear lower arms.

5. **Fiberglass body shell.** It requires cutting out of the inside wheel housings (pattern provided) and bonding them into place. It will be necessary to fabricate a mounting bar and bond it to the tail section (plans are included). Sanding and painting also are necessary. Door hinges are provided, but not installed.

6. **Four aluminum Airheart brake calipers.** The 175 x 1 type (2 pads) are standard. 175 x 2 calipers (4 pads) are recommended for E and F class cars. Calipers are supplied ready to bolt onto the mounting lugs provided.

7. **Set of suspension springs.** These are wound to suit the SR3 design and are plated.

8. **Spring seat castings.** These will require a small amount of simple machining.

9. **Front and rear anti-roll bars.**

DELUXE KIT

10. Four lightweight magnesium wheels 6 in. wide by 13 in. in diam. Seven and 8-in. wide wheels also are available as optional extras.

11. Formed prexaglass windscreen, ready to mount.

12. Two formed prexaglas headlight covers.

13. Pedals, master cylinders, brake pipes, special fittings and flexible hose (installed in chassis).

14. Chassis frame paneled.

15. Two fiberglass seats.

KIT PRICE LIST

BASIC KIT

1. Chassis Frame	\$ 695.00
2. Suspension Arm Set, 12 pieces	273.00
3. Two front suspension assemblies	240.72
4. Two rear suspension assemblies	268.00
5. Body shell	350.00
6. Four Airheart brake calipers, type 175 x 1*	122.40
7. Set of suspension springs	35.00
8. Eight spring seat castings	8.00
9. Front anti-roll bar	38.00

Total price, basic kit \$2030.62

*Type 175 x 2 calipers are recommended for E and F cars. Add

\$79.40

DELUXE KIT

10. Four Magnesium wheels, 6 x 13**	\$ 252.00
11. Windscreen	35.00
12. Pair of headlight covers	10.00
13. Pedals, master cylinders, brake lines, and fittings (installed on chassis)	159.60
14. Chassis frame paneling installed	113.20
15. Pair of fiberglass seats	38.00

Total price, deluxe kit \$2637.42

**7 x 13 and 8 x 13 wheels also are available. Add

\$16.00 per 8" wheel

**7 x 13 and 8 x 13 wheels also are available. Add

\$11.00 per 7" wheel

BOBSY DIVISION
VANGUARD AUTOMOTIVE ENTERPRISES INC.
139 Koons Ave.
Medina, Ohio



BOBSY SR3

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

The SR3 is the latest in a line of quality road racing cars from Bobsy. Its lightweight aluminum frame will accept many different engines rated at up to 160 hp. The SR3 can be built to win in H Modified through under-2-liter racing.

- The aerodynamic body is designed to present minimum frontal area. Molded of reinforced fiberglass, the body is light but strong enough to withstand the rigors of road racing. All body panels can be easily removed for access to the chassis and engine.

- A wrap-around molded plastic windscreen blends in smoothly with the body lines.

- The race-proven frame is a rigid, fully triangulated structure built of 6061-T6 aluminum tubing. Heli-arc welding is used throughout to obtain sound, strong welds. Total weight of the frame, complete with all brackets and hangers attached is only 47 lb.

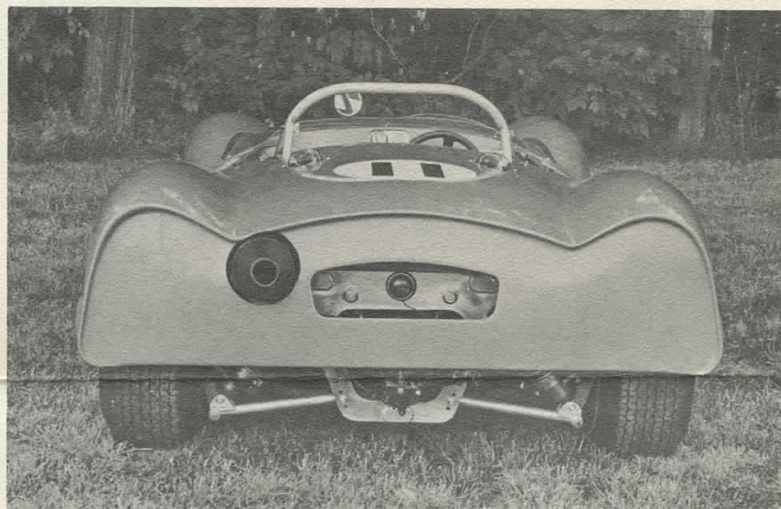
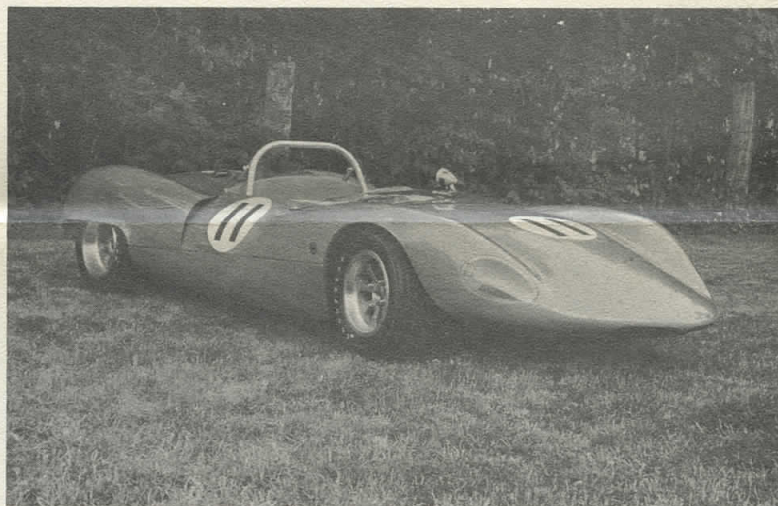
- The front suspension consists of unequal length control arms with a tubular upper A-frame and a specially designed cast alloy lower control arm. The upright also is a special magnesium casting. Adjustable Armstrong shock absorbers are mounted inside special coil springs. Camber and toe-in settings 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 magnesium castings. Camber and roll center height are adjustable.

- Brakes are two or four pad Airheart units as required.

- Wheels are special Bobsy-designed castings with 6 x 13 in the front and 7 x 13 in the rear. Available as an optional extra is the 8 x 13 in. wheel for use on the rear to take the new low-profile racing tires.

- Cockpit features two semi-reclining fiberglass seats. The driver's seat can be adjusted to suit large or small



drivers. The gear shift lever is mounted on the right and is equipped with first gear and reverse lockout.

- Instruments supplied include an electric tachometer, oil pressure gage, and oil and water temperature gages.

- Standard fuel capacity is 10 gal., provided by a single tank mounted on the left side. Greater fuel capacity of 14, 25, or 30 gal. can be provided by optional (extra cost) twin tanks.

PRICES

The Bobsy SR3 will accommodate, through minor design options nearly any engine for H Modified through under-2-liter racing. Because of this versatility, the SR3 can be built to the customer's specifications.

Prices for the completely assembled standard

Bobsy SR3 start at \$4500 ready for installation of engine and gearbox.

Phone or write for a quote sheet so we can prepare a price for the car setup you are interested in.

STANDARD CHASSIS

W/O ENGINE

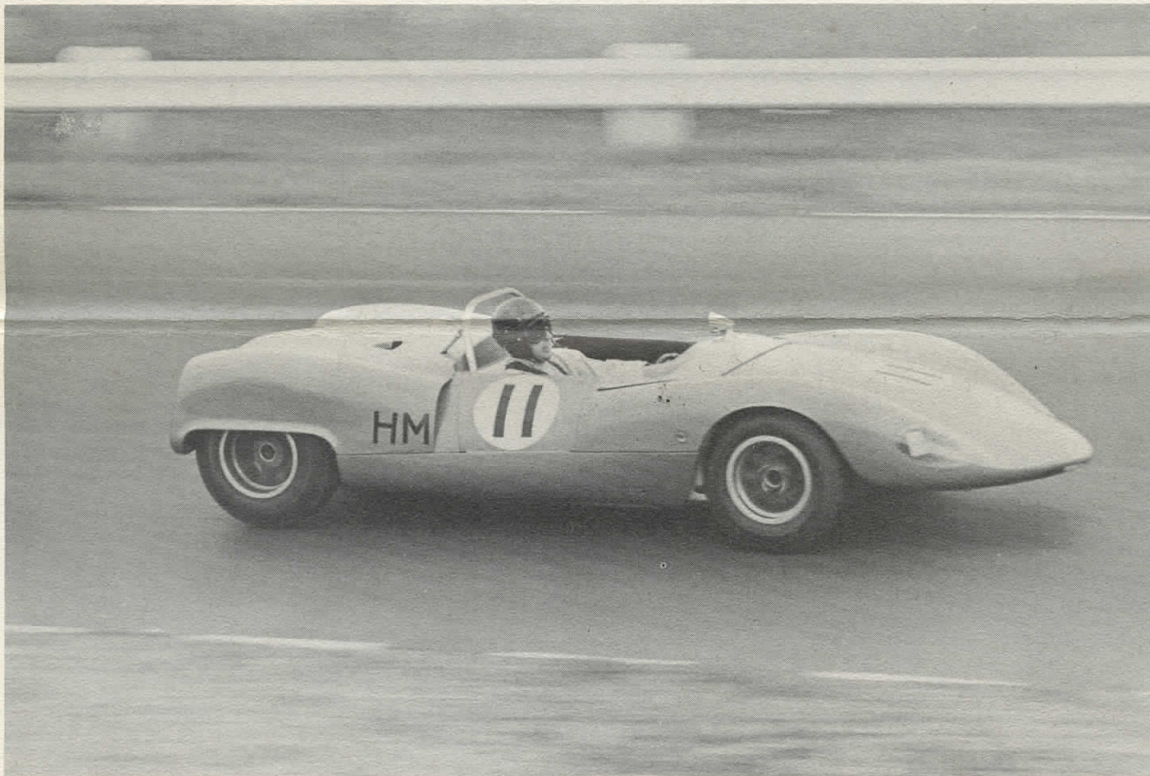
OR GEARBOX

FULL WIDTH ROLL BAR
WITH TRIANGULATION
RACK & PINION STEERING
1 — 10 GAL. FUEL TANK
6" X 13 MAG WHEELS, FRONT
7" X 13 MAG WHEELS, REAR
2 PAD AIRHEART CALIPERS
9" DISKS
GOODYEAR RACING TIRES
550X13
600X13
SINGLE COLOR PAINT
COVERED SEAT
WHEELBASE 88.5
LENGTH 146 inches
TRACK 49
WIDTH 54
HEIGHT 27.5

VANGUARD AUTOMOTIVE ENTERPRISES INC.
139 Koons Ave.
Medina, Ohio



BOBSY SR3



BOBSY DIVISION is now offering as a complete ready to race unit the SAAB-powered BOBSY SR3H for H Modified racing. This fast growing class is becoming a favorite of many competitors as it provides all the challenge of modified racing at a minimum of expense.

The BOBSY SR3H is capable of producing lap times of within 2 seconds of the very best G modified lap times on most circuits.

SUPPLIED WITH:

- 4 SPEED CLOSE RATIO GEARBOX OR 5 SPEED HEWLAND
- 80 HP SAAB (Built and Dyno Tuned in our shop)
- WEBER CARB (Instant starting, no plug fouling)
- TUNED EXHAUST
- 6" X 13 MAG WHEELS, FRONT
- 8" X 13 MAG WHEELS, REAR

- 550 X 13 GOODYEAR RACING TIRES, FRONT
- 600 X 13 GOODYEAR RACING TIRES, REAR
- AIRHEART DISC BRAKES
- 9 GAL. ALUMINUM FUEL TANK (Fiberglas Covered)
- DRY WEIGHT — 700 LBS.
- PAINT TO ORDER

*An important feature of the BOBSY SAAB: The chassis structure is designed so that an engine of larger capacity may be installed.

The new SAAB-powered BOBSY SR3H currently holds HM course records at:

LYNDALE FARMS	MID-OHIO
WATKINS GLEN	CONNELLSVILLE

BOBSY SR3H with 5 Speed Hewland	\$6850.
C/R 4 Speed VW	6450.

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