**Modified Sprite Technical**  **Information**:

As purchased, body #BAL7677, Car #ABL007736, Body Stamp # 13298.

Engine 1999 Ford Cougar 2.0 liter Zetec, removed from wreck w/ 11,642 miles.

Webcon dyno tested 172 hp, the subsequent addition of the current exhaust header and porting and polishing to the intake manifold expect 175-180hp, Webcon Alpha Gold Engine Management System. This system includes a computer and port fuel injection. The engine redlines at 6,000 rpm, engine cut off set for 6,600 rpm via ECU. Shift light circuit is unused.

Cooling system 6 quarts.

Oil system w/ racing filter (Fram HP-1, large Ford type) 5 and 3/4 quarts, 5w30 weight oil. Loosen motor mounts and shift block to driver side to totally remove oil drain plug.

Rear axle is 3.72, unlocked, 90 weight gear lube.

The new transmission is a Borg Warner Type 9, also known as a Ford Type 9. Uses 90 weight conventional gear lube,. Ford used this transmission in the Sierra and Merkur, good to 250 hp.

 1st gear 3.36, 2nd 1.81:1, 3rd 1.26:1, 4th 1.00:1, 5th 0.82:1, reverse 3.87:1

Engine drive belt 27/32 x 56 inches or 21mm x 1420 mm, Gates # 060555.

Clutch annular t/o cyclinder, Ford # F5RZ-7A508-B.

Shut off switch only disconnects the battery, it does not connect to the alternator.

Alignment settings : Camber negative 2 degrees and is adjustable via special bushings, the toe in is ¼ inch.

Tire pressure, front 18, rear 20psi.

Uses regular grade gasoline.

Wiper blades are show only and are not connected to a drive system.

ECU is located under the instrument panel on the passenger’s side, remove mesh kick panel for access.

Impact reset button for the electric fuel pump is located in the passenger’s foot well.

For theft protection remove the large 50 amp fuse above the transmission tunnel. All remaining are located on the trunk bulkhead.

The 120 mph speedometer is from a MGB (Sprites only go to 100mph).

Turn signals are manual and do not self cancel.

Foam in the fuel cell prevents use of a gauge, use the measuring stick in the trunk. It also prohibits swirling of fuel from the return line. If foam is removed a swirl pot will be required.

The five inch wide wheels are from a Chevrolet Vega (non GT). One extra for spare. The studs are oversized.

Tires are BR60x13 which equates to 5.90x13, 175x70x13, or 155x80x13 in height.

Wheel lug pattern is 4 bolt, 4 inch or 101.6mm, size 13x5, offset 0.20, ¼ aluminum spacers

Original jack and lug wrench in trunk.