

Southwest Sport Race Rules

(Borrowed from the Rules for Northwest Sport Race)

Purpose: It is the intent that this event will provide the novice competitor a beginning in racing events, racing with other competitors using similar equipment which is readily obtainable and operates in a basic fashion.

All pertinent rules from AMA unified racing rules shall apply, in regard to safety and conduct of races, except as follows.

Engine: The only allowed engine shall be the Fox stunt.35, which shall be stock, unmodified engine operated on suction feed. (Stock is defined as absolutely unmodified except for needle valves and spray bars). No exhaust extensions are allowed except bona fide mufflers that do not increase engine performance. The Fox Manufacturing Co. hemi/stuffer kit modification is prohibited.

Aircraft: The model shall be built from, or an exact duplication of, a commercially manufactured kit, In the case of obscure or rare kits, some documentation, such a set of plans, may be required by the contest director for confirmation of the airplanes kit status. Kits need not be in current production or distribution to qualify.

Models must be of profile fuselage type, and must conform to the to the general profile definition. The model must have a minimum fuselage length of 24 inches when measured from the propeller thrust washer face to the leading edge of the moveable elevator surface.

The minimum wing area shall be 300 square inches. The wing must have a minimum thickness of 1 inch when measured at any point along the span, with the exception of the last 2 inches before each wingtip.

All models must have a canopy, horizontal stabilizer, elevator and vertical fin. Models must have a fixed landing gear with a minimum of 1 wheel 2 inches in diameter or larger.

Modification: major changes to the kit design such as clipped wings, shortened fuselage, partial omission of the tail assembly, etc., are prohibited. Reinforcement of the nose and engine mount areas is permitted. Landing gear location and construction are entirely optional from what may be included in the kit, except as stated above.

Fuel Tank: The fuel tank shall be fully external and forward of the wing leading edge, and located on the outboard side of the fuselage. The tank may not be designed so as to cowl the engine. All tank vents are limited to a maximum size of 1/8 inch outside diameter. The tank may not be pressurized, but the vents may be directed forward into the airstream.

Prohibited Equipment: Equipment and devices standard to full-race aircraft are prohibited. These include fuel shut-off, pressure refuelers, fast-fill systems, Hot Glove electrical contract systems, and centrifugal carburetor switches.

Pull Test: The plane and entire control system shall undergo a pull test of 35 pounds.

Lines: Shall be a minimum of .018 inch diameter and lines shall be of the stranded type, with a length of 60 inches measured from the handle grip to the fuselage, plus or minus 6 inches."

Races: Preliminary heats shall be of 70 lap s duration, with one pit stop minimum required. Feature races shall be of 140 laps with two pit stops minimum. All races shall be flown with at least two entrants, and not more than four entrants. At contests where entrants fly preliminary heats do determine finalists, at least 3 entries shall proceed to the final races. The decision on the number of final entries shall be made by the event director and made in advance before the start of any preliminary heats.

It is assumed that the usual sportsmanship of modelers will prevail in this event. The event director may disqualify any entrant that is not in keeping with the spirit or intent of this racing event.