



2006 EPRC QUICKIE 500 SPORT RULES

Version. 3.3

Rules and Definitions are those contained in AMA Competition Rules for Event 424 unless modified below. The competitor has the burden to prove compliance with all applicable rules.

- Course:** AMA Two-Pylon Race Course: all pilots, callers, judges, counters and starters off the course as per rule book; 2.5 miles total length (10 laps, 660 yards per lap).
- Classifications:** OS Max LA .40 (Novice & Low Timers) Class, 4 Heats.
Thunder Tiger Pro .40 (Expert) Class, 6 Heats.
The OS Max LA .40 Class will start first at approximately 9:00AM and the Thunder Tiger Pro .40 Class will start 30 minute after the final heat of the OS Max LA .40 Class.
- Construction:** **Composite airframes are expressly prohibited** Airframe construction must be of balsa, spruce, foam and plywood. Resin, epoxy, cloth, carbon fiber and Kevlar may be used for re-enforcement in limited, high-stress areas only. Covering will be commercially available film or plastic.
- Weight:** 3.5 lbs. minimum to 4.5 lbs maximum (fuel tank empty).
- Wings:** Area: 500 sq. in. minimum
Span: 50 in. to 52 in.
Chord: Constant for 47.5 inches
Thickness: 1.1875 in. for 47.5 inches
- Fuselage:** Depth: Minimum 3.5 in. at the deepest point, which must be within the wing chord.
Width: Minimum 2.875 at the widest point which must be within the wing chord.
Cross-section: Must be square or rectangular with a maximum .25 in. radius on all corners; Diamond shaped fuselages are prohibited; Wing fillets are prohibited.
Firewall: A rectangular flat plate measuring at least 2.25 in. by 2.25 in.; the perimeter may be rounded to a radius of no more than .25 inches.
- Landing Gear:** Shall be fixed with wheels a minimum of 2.25 in. diameter and separated by no less than 7 in. measured parallel to the wing span. A tail wheel is strongly suggested but not required. Tailwheel may be streamlined or faired.
- Power plant:** O.S. Max .40 LA with stock muffler. Modifications of any kind to the engine or muffler are prohibited. No parts may be removed from the engine. The baffle may be removed from the muffler. A rounded spinner nut covering all unused crankshaft threads is required. Engines selectively checked for r.p.m.; >14,200 r.p.m.is disqualified. Fuel pumps of any kind are prohibited

Thunder Tiger Pro .40 with stock muffler. Permitted modifications are: replacement of bearings, circlip, head shims, and backplate. All other modifications prohibited. The baffle may be removed from the muffler. A rounded spinner nut covering all unused crankshaft threads is required. Engines selectively checked for r.p.m.; >16,900 r.p.m.is disqualified.

Engine Mount: Engine and engine mount shall be fully exposed. No cowling or streamlining of the engine and mount is permitted.

Radio Servos: Four servos of a minimum of 40 oz. in. of torque at 4.8v must be installed. No micro servos (single hole mount) shall be installed on control surfaces. A 4.8v battery pack of a minimum of 600 mAh. Rated capacity must be installed.

Identification: **AMA numbers must be displayed on the wing or on both sides of the fuse in at least 1" type.** The number may be displayed as a complete number with the letter N optionally preceding it or the letter N followed by the last two or three digits of the number and followed by the first letter of the racer's last name: e.g. 123456, N123456, N456R, N56R.

A letter, number, or shape at least eight inches in height shall be located on the lower right wing panel facing toward the left side, so that the letter, number or shape will be right-side-up when the plane is in a left bank. The letter, number, or shape shall be in contrasting color of wing panel.

Backup Plane: Backup plane on the same channel as primary are permitted.

Miscellaneous: Open to all AMA members; current card required
Trophies: Awarded for 1-2-3 Race in each class.
Fuel (15%) and first propeller are supplied; second prop is bought at cost

Pylon Scoring: Two plane matrix:
2 points for first
1 point for second

Three plane matrix:
3 points for first
2 points for second
1 point for third

Four plane matrix:
4 points for first
3 points for second
2 points for third
1 point for fourth

Note: Once a matrix is established for the race the points system stays the same regardless of the number of planes racing in a heat race.

Cuts: One cut you are given 1 point no matter where you finish in the race. Additional cut results in zero points.

