USAC .25 Midget Technical Bulletin (*Revised - 1/17/20*)

This bulletin will be used for all National, Regional, and Championship Events

In addition to the 2019 USAC National .25 Midget Rule Book the following amendments and additions will be in effect January 1, 2020. Amendments listed will supersede all previous rules, bulletins, and supplementary regulations.

APPENDIX I

2020 .25 Midget Division Technical Specifications

703 DIMENSIONS AND WEIGHT

I. Class Weights:

See attached Table Appendix for 2020 Class Weight

706 FUEL SYSTEM

F. A USAC Approved vented fuel cap with a rollover valve is highly recommended for use at all 2020 USAC National .25 Midget Touring Events and all other USAC sanctioned Events. The existing vent line must be removed and plugged at the fuel tank. An overflow hose must be connected to the overflow tube fitting on the side of the fuel cap. The overflow tube must be routed as straight and direct as possible to an exit through the body of the car, a maximum of (2) two inches. The exit must be located at the left rear area of the car, in front of the left rear tire and no more than (1) inch above the belly pan. The exit must be labeled "fuel" with a bright contrasting color. NOTE: The approved fuel caps are designed to prevent uncontrolled fuel leakage in the case of a rollover whereas the car remains upside down. IT IS NOT a leak proof cap as it provides fuel system venting as well. The overflow tube serves the function of directing excess fuel out of the engine area in the case(s) of tank over fill, thermal expansion, minor angle inclinations and the likes.

The following is a list of approved fuel cap part numbers that will be available January 17th, 2020 from already established vendors that service USAC .25 Midget Racing:

Part # 1249-1

Part # 1250-1

Part # 1380-1

Part # 1750-1

Previously purchased fuel caps should be updated to remain USAC approved. Updating can be purchased through the vendors listed below:

AFCO	HRC RACING
NERVO CHASSIS	PENSYL ENTERPRISE
ROBINSON RACING PRODUCTS	
CPG MOTORSPORTS	

G. In the event a car is competing without a USAC approved vented rollover fuel cap the vent line routing will remain optional however it must exit (a maximum of (2) two inches on the left side of the car and be labeled as outlined in section F (overflow tube).

711 STEERING AND SUSPENSION

H. Shock absorbers and components must originate from an approved manufacturer. Shock absorbers must be a mono-tube design using a deflective disc type valve that controls the oil flow through the shock piston. Only a single piston is permitted in the shock main body and (1) one floating piston is permitted in the integral gas reservoir. Remote gas reservoirs are not permitted. Shock absorbers must provide a resultant force dependent upon piston velocity only. Shock absorbers must extend and compress fully with no interruption. All shock absorbers and components must be approved by USAC prior to competition.

The following is a list of current USAC approved shock absorber manufacturers:

Advanced	Tanner
AFCO	VRP
CSI	Penske
Integra	

Shock manufacturers not listed here may have received prior approvals. Please contact USAC for any questions regarding a shock manufacturer not listed here.

I. Only (1) one shock absorber per wheel will be permitted.

J. One travel indicating o-ring per shock will be permitted. The travel indicating o-ring must not exceed 1/4 inch in thickness. The travel indicating o-ring must not interfere with suspension travel. This o-ring is the only permitted part that may be installed on the exterior portion of the shock shaft other than the lower shock mounting hardware.

K. All downward chassis movement while the race car is in competition must be limited ONLY by the normal increasing stiffness of the coil springs or torsion bars or the bottoming of the chassis against the race track whichever occurs first. Travel limiting devices, bump stops, or any other device that interferes with the afore mentioned will not be permitted.

L. Only (1) coil spring per wheel will be permitted. Coil springs must be mounted on the O.D. of the shock body. Additional springs mounted on the shock shaft will not be permitted.

M. The coil springs must have a linear spring rate.

N. Coil springs must be manufactured using solid magnetic steel wire. The coil spring wire O.D. must be the same throughout the entire coil spring. The coil spring must be of the closed end design on both ends. The coil spring spacing between the coils must be equal. The O.D. of the coil spring coils must be the same throughout the entire spring.

714. Tires

G. Tire buffing and grinding will be permitted. Equipment and/or machines that cut material from a tire (shaving or profiling) will not be permitted at USAC .25 Midget National Events.

720. Shut Off, Ignition, Battery and Electronic Equipment

H. The use of in-car video cameras (including mounted GoPros) are not permitted in the car during on track activity at USAC.25 National events. Failure to comply will result in a Race Day disqualification. The use of one (1) in-car video recording device may be allowed at the discretion of officials at local club races and regional races. This device must be mounted securely within the confines of the frame rails but out of the driver's line of sight. The approval of the mounted location for the device will be at the discretion of the event race director and/or technical director. Live streaming on track activity from these devices is not permitted.

USAC.25 REQUIRED WEIGHTS BY CLASS/DIVISION

Class	Division	Driver Weight (Min)	Comb. Weight (Min.)	Car Weight (Min.)
Rookie	Red	N/A	250 lbs	160 lbs
Rookie	Blue	N/A	250 lbs	160 lbs
Honda	Junior	N/A	250 lbs	160 lbs
Honda	Senior	N/A	290 lbs	160 lbs
Honda	Heavy	100 lbs.	340 lbs	160 lbs
Honda 160	Light	N/A	290 lbs	160 lbs
Honda 160	Heavy	100 lbs.	340 lbs	160 lbs
Animal	Junior	N/A	250 lbs	160 lbs
Animal	Senior	N/A	290 lbs	160 lbs
Animal	Unrestricted	100 lbs	340 lbs	160 lbs
World Formula	Light	N/A	290 lbs	160 lbs
World Formula	Heavy	100 lbs	340 lbs	160 lbs
Formula Mod	Light	N/A	290 lbs	160 lbs
Formula Mod	Heavy	100 lbs	340 lbs	160 lbs