

2024

SUPER – 4 RULES

CHASSIS: Must be steel tube chassis with Ford Fox front clip or Late Model frame.

- No unibody cars
- Spring pocket area can be modified to attach frame rails
- Main frame rails 1.750 round or square .095 wall thickness minimum
- Rear frame clip 1.500 diameter .095 wall thickness minimum
- Main frame rail must run from the back of the roll cage to the centerline of the spring pocket minimum on front clip
- Lower A frame to remain in stock location
- Steering rack to remain in stock location
- Wheel base minimum 97" maximum 105"
- Maximum engine set back is 23" from back of the block to the center line of lower ball joint – 10" maximum behind right front ball joint to #1 spark plug.
- Maximum engine offset is 2" right or left of frame center line
- No front wheel or 4-wheel drive allowed

ROLLCAGE: Main roll cage; all left side door cars and upright, right side upper door bar to be a minimum of 1.500 diameter .095 wall thickness round steel tube

- 3 door bars left side with 2 sets of uprights from frame to top roll bar. (Frame rail is not considered a door bar)
- 2 door bars on right side with second bar 1.250 diameter .095 wall thickness minimum
- Second door bar maybe run at an angle from top bar to frame rail
- Left side floor must be plated with minimum 18-gauge steel from top door bar to lowest door bar and from in front of seat to back of roll cage

ENGINE: 4 Cylinder 2650cc maximum engine size- any 4-cylinder engine block.

- Single cam engines only
- No titanium parts except for valve spring retainers
- Roller cams are OK
- Stock cast iron or aluminum heads only- No heads designed for racing only (ex. area svo)
- Head may be ported and have larger valves
- After market crank, rods and pistons allowed
- 2-barrel or 4-barrel carburetors, and intake or adapter -ONE CARB ONLY
- NO fuel injection
- No dry sump system. Oil cooler and remote filters are ok
- No rotary or air cooled, no super or turbo chargers

IGNITION: Distributor ignition only. No crank triggers

- Can be MSD. No magnetos
- No computer systems
- No traction control of any kind
- Ignition switch must be clearly marked for on/off position
- Car must have starter and be able to start car at anytime

FUEL:

- Fuel cells only. No plain tanks. 8" minimum ground clearance
- Fuel cell to be securely mounted to frame with minimum 2-2" wide 1/8" thick straps completely around cell, or 1" square tube .095 wall completely around cell minimum
- Must be bolted in at least 4 places with minimum 3/" diameter bolts
- Racing fuel allowed. NO alcohol-based fuel or any performance enhancing additives. NO nitrous oxide. GAS ONLY – NO ALCOHOL.
- Electric fuel pump allowed. Must have separate switch on/off and must operate only when ignition switch is in ON position

INTERIOR: Floor maybe steel or aluminum 18-gauge steel or 060 aluminum minimum

- Drivers' area must be sealed from engine compartment
- Decking may be flat or dropped
- No open holes in decking except for jack bolts access in rear. Max 2" diameter

BRAKES: Must have 4 working brakes on car

- Any bias adjusting allowed – No brake floaters.
- No single plate rotors.
- Vented type steel only
- Calipers must be small or large GM single piston style only. Late Model Style, or stock replacement steel or aluminum allowed.

CLUTCH/TRANSMISSION: Stock transmission from engine being used. Must use 2 forward and 1 reverse gear. Bert/Brin/Falcon transmissions are OK.

- Racing clutches allowed includes ram coupler
- Fly wheel or flex plate allowed
- Bell housing to have 1/4x2" min. 125° shield around fly wheel area if stock clutch is used
- Steel OR aluminum drivelines ok. Must have minimum 1 driveline hoop ¼'x2' wide or 1" round .095 within 12" of back transmission. BEST PRACTICE: Car # on it 😊

TIRES/WHEELS: Aluminum or Steel wheels OK max 14" wide 3", 4", 5" offset only

- Tires are Hoosier late model take offs. 3 on left, 4 on right.
- SOS 2024 season grace to allow all current tires to be burnt.

SHOCKS: Bilstein series SZ, SG, SM, or SL

- No adjustable shocks allowed – No bump stops allowed.
- AFCO Series 10, 12, 14
- QA-1 series 50, 59
- PRO series TA
- Additional shock types must be approved.
- MAX of 5 shocks total allowed.
- SOS 2024 season grace period for shocks not on list.

FRONT SUSPENSION: Stock lower A arms only (fox clips)

- Any style upper A-arm, mounting position optional
- Any style ball joints upper and lower
- Stock rack for fox clip only mounted in stock location
- Steering quickners OK
- Spindles may be after-market or fabricated
- 5x5 or wide five only 5/8 stud's mandatory
- 2.5" - 5" diameter springs only.
- Jack bolt and cup allowed
- Tie rod maybe swedge tube with rod end
- Aftermarket or stock sway bars allowed. Must be mounted in stock location
- No bump stops or bump stop type suspension of any kind

REAR SUSPENSION: No open or IRS type suspension

- 5x5 floater 8" or 9" or quick changes 5x5 or 5 wide allowed. No non-floater hubs allowed (safety)
- 3 link, mono-leaf or stack leaf only. No combinations of the types
- 2.5" or 5" diameter coil springs only
- No fiber/glass composite leaf springs
- Biscuit bars, spring bars, floating mounts, and lift arms allowed.
- Coil spring must be mounted to top of rear end housing within 5" of the centerline of spring and housing center line
- Panhard/J-Bar minimum 15" long. Can be mounted in front or rear of housing
- Rear sway bars allowed
- No bump stops or stop type suspension allowed

BODIES: Complete bodies only. ALL CARS MUST RUN WITH FULL ROOF MOUNTED IN PLACE.

- Max width of body – Front 84" Rear 72" measured at the top of the body
- Max height of body – 38" minimum 32"
- Roof size – Minimum 44" wide 42" long. Maximum 50" wide 50" long
- Roof height – Minimum 46" maximum 50"
- Roof may have 1" fins. Right and Left sides. Qty 1-2 only
- Nose may be MD3 type/rubber late model style noses only.
- Maximum 2 ½ "tall nose fins on slope nose. Must not pass front tire centerline

- Nose must not extend more than 52" from front wheel centerline to tip of nose
- Spoiler: Clear Lexan if running over 5: spoiler. 10: maximum blade length. 1" top lip allowed at 90-degree angle to blade forward or back. Spoiler can be adjustable. Can have a maximum of 2 center supports no taller than 1" and no longer than 16"
- Left side board: 12" tall max, with 1" top fold 90 degrees to the blade. Maximum length 48"
- Right side board: 10" tall max, with 1" top fold 90 degrees to blade. Maximum length 24"
- Side boards and center supports must be clear Lexan
- No window or windshield covers
- No nerf-bars on outside of body

CAR MUST WEIGH 2100LBS WITH DRIVER AFTER THE RACE

SAFETY: All trackside rules must be followed!

- Must have full 5-point seat belt and harness assembly. In good condition. 3" belts only. No 2" except sub-belt
- Aluminum left turn or full containment seats only. Must be properly mounted to frame of car
- Minimum 2 ½ pound fire extinguisher within reach of driver. Fire system recommended
- Driver side window net required. Arm restraints are NOT a substitute for net
- (3) ½ inch diameter tubes in front of driver minimum
- Battery must be outside of driver box
- No lead in drivers' dog house.
- All lead must be mounted with minimum two ½ inch bolts, painted white, and car number on the lead
- No mirrors
- TRANSPONDERS MUST BE SECURELY MOUNTED (BEST TO HAVE YOUR # ON IT TOO) 24" BEHIND CENTER OF REAREND.

IT IS YOUR RESPONSIBILITY TO MAKE YOUR CAR AS SAFE AS POSSIBLE AND FOLLOW THE RULES SET FORTH. BE SMART. DRIVE SAFE. THIS CLASS IS MEANT TO BE FUN AND PROMOTE COMRADERY AND PUT ON A GREAT SHOW FOR FANS AND UP AND COMING RACERS 😊

These rules are to be followed by anyone racing with the SUPER-4 CLASS. IF IT DOESN'T SAY YOU CAN...YOU CAN'T.

If you have any questions, please call Rick at Rapp Racing (541) 664-2235 / (541) 944-9864.