

2020 Ace Speedway Modified Rules

- 1) All drivers, crew members and car owners are required to be familiar with the general rules, safety rules and race procedures of Ace Speedway as found in the Ace Speedway rule book.
- 2) **Eligibly** – Driver must be 14 years of age in calendar years or older with proper credentials for competition, unless special permission is given by approval from management.
- 3) **Car Weight** – All cars must weigh a minimum of 2,650lbs with the driver in the car. 1,160lbs is the minimum for right side weight. These weights must be met after qualifying and after each race with an allowance of ½lb per green flag lap after race.
 - Added weight must be in block form of no less than 5 lbs. (No pellets)
 - Added weight must be painted white with car number visible.
 - Added weight must be securely bolted in place. Weight may not be added outside of the frame rails or ahead of the front spindles or behind rear axle. No weight mounted in drivers' compartment.
 - Dislodged weight cannot be returned to the car for weighing after the race. Penalties may apply for dislodged weight during an event.
- 4) **Car Bodies** –
 - 4-1. General Body Requirements: All cars must be neat in appearance.
 - All bodies must be installed in a manner that is acceptable to track officials.
 - The floor area directly beneath the driver's seat forward to the firewall must be made using a minimum of 1/8" magnetic steel. The remainder of the floor area to the right and rear of the seat must be made of minimum 22 gauge magnetic steel. All floor area panels must be welded together.
 - All interior panels must be steel.
 - Rear deck panels must be metal.
 - 4-2. Front nose panel and air dam must not extend past the rear edge of the front bumper and must maintain a minimum 2" ground clearance.
 - Nose panel and air dam must not extend past outside edge of frame rails and must be perpendicular to the ground and no more than 3" behind the front edge of the nose panel.
 - All support brackets must be mounted to the rear of the air dam.
 - 4-3. Rear spoiler and rear panel
 - A solid rear spoiler of clear Lexan, minimum 1/8" may be installed at the rear deck lid.
 - Maximum spoiler-height 8" X 48" wide
 - Spoiler may not be wider than the standard width of the rear quarter panels and shall not extend rearward past the trailing edge of the rear bumper.
 - A maximum of two 1" wide adjustable supports are permitted on the front of the spoiler.
 - A maximum of three supports may be attached to the rear of the spoiler.
 - All cars must maintain a minimum of 32" and a maximum of 37" measured from the ground to the spoiler mounting point at the top of the rear vertical body panel.
 - Rear body panel must be solid and mounted solid to the car and not hinged. Rear body panel must extend to the bottom of the rear bumper.
 - 4-4. Windshield
 - A Lexan windshield must be used on driver's side, minimum thickness 1/8".

- A complete steel screen (with maximum openings of 1" X 2") must be installed on the right side of the front windshield opening.
- If a full windshield is used the screen may be omitted. All windshield and screens must be installed and meet approval of track officials.

4-5. Driver's Side Window

- A nylon mesh screen must be installed in the left side door window opening. The window screen must be rib type made from 3/4" wide, maximum 1" nylon material with a minimum 1" square opening between the ribs. The maximum window screen size is 22" wide X 16" high. Window screen must be 5 years old or newer.
- All window screen mounts must be a minimum 1/2" steel rod on the bottom and minimum 1" wide X 3/16th flat steel or a minimum 1/2 in diameter steel rod on the top with mounts welded to the roll cage. When in the closed position the window screen must fit tight and be secured with a quick release type latch at the top in front only.
- The minimum window side opening on all side models shall be 13 1/2" when measured from the top of the door to the roof.

4-6. Rear View Mirror

- Multi-view type mirror maximum size 2 1/8" in height X 21 1/2" in width will be permitted.
- Rear view mirror cannot extend outside of the car.
- Side view mirror will be permitted and cannot extend outside of the car.

4-7. Firewall

- A front and rear firewall of not less than 22 gauge magnetic steel must separate the driver from the engine compartment and the fuel cell.
- The front firewall must be positioned below the leading edge of the windshield.
- The firewalls must be sealed and welded in place.

4-8. Doors

- All door panels must be constructed of metal and any seams, creases or accent lines fabricated in the door must be parallel with the top of the door.
- A minimum distance of 72" and a maximum distance of 78" is permitted when measured from the center of the rear axle housing forward to the front of the door.
- A minimum of 43in and a maximum of 45" is permitted when measuring across the outside edge of the front door panels.

4-9. Quarter Panels

- Panels must be constructed of metal.
- All cars must have rear wheel opening on the right side. A minimum of 11" and a maximum of 14" radius measured from the center of the rear axle housing.
- A minimum distance of 34" and a maximum distance of 42" measured from the center of the rear axle to the rear of the body must be maintained.
- A maximum distance of 60" is permitted between the top of the quarter panels measured across the body at the rear axle housing.
- The maximum height of the rear quarter panel measured from the ground is 37".
- The rear quarter panel must maintain a minimum of 6" ground clearance behind the rear wheels.
- A maximum distance of 60" is permitted when measured across the top at the rear of the quarter panels.

4-10. Grille

- The air intake housing at the radiator must maintain a rectangular shape across the front of the nose with the opening being at least as wide as it is high and covering a minimum of 130 sq. in. and must be made of metal.
- Only screen will be permitted in the opening to allow for proper cooling.
- All air that enters the grille must pass through the radiator core only.

4-11. Hood/Roof

- All cars must be equipped with a hood made from a single piece of metal or fiberglass.
- The hood must be made so that it completely covers the engine compartment from the left side to the right side and turns down a minimum of 4" on each side.
- No part of the hood at the side panels, except at the A post (shock and master cylinder covers) may be higher than the lowest part of the hood.
- Only openings for the air cleaner and distributor will be permitted.
- No portion of the hood may be higher than the bottom of the air cleaner.
- Hoods must be fastened with positive fasteners.
- All hoods must be acceptable to track officials.
- Roof must be stock appearing for make and model of body used.
- The front A post must be mounted to the top front of the door panel. The rear post must be mounted to the rear quarter panel.
- If a fiberglass roof is used a 22 gauge magnetic steel plate, located at the center of the roll bars must be welded to the roll cage above the drivers head.

4-12. Bumpers

- Front bumpers must be made of two pieces of 1 ½" minimum and 1 ¾" maximum tubing 4" to 6" apart center to center mounted to the front frame rails at spindle height with a minimum of 4 vertical connectors, if 4 vertical connectors are used, 2 have to be welded to the rounded corners.
- Front bumpers must be convex in shape with rounded corners and mounted to the outside edge of the front frame rails but no wider.
- The maximum distance from the center of the front spindle to the front of the bumper can be no more than 30".
- Rear bumpers must be made from "I" beam extruded from aluminum and must be mounted at spindle height.
- The minimum width when measured across the rear of the car will be 57" and the maximum width permitted will be 66".
- Each end of the rear bumper must be (from the mounting side) cut on an angle and capped with a minimum 0.125" in aluminum.
- All sharp edges must be removed.
- Bumper must be mounted at axle height.
- A maximum distance of 46" measured at the center of the rear axle to the rear edge is permitted.
- No weight reducing holes permitted in the bumper.

4-13. Side Rails

- All cars must be equipped with rear corner rails and side rails. All rails must be constructed using a minimum of 0.083" thick steel seamless tubing with an outside diameter of a minimum 1 ¼" and a maximum of 1 ¾".
- Right side rail bar shall be constructed by using two pieces of steel tubing. The bottom bar shall attach to the rear frame rail and extend upward and outward even with the outside of the tires, or

up to a measurement of ½” maximum outside of the tires. The bottom side bar shall extend forward parallel with the frame rail and roll cage and angle in the front sub-frame with minimal tire clearance. The bottom bar will be mounted centerline with the rear axle and front spindle. The top side bar shall be attached centerline with the rear hoop cross bar extending outward and forward to the forward most point of the bottom bar. An additional support bar must be added in the center. The bar must be attached to the frame rail and the side bar. Two additional vertical support bars should be added, one at the rear and one in the center of the side rail. The distance measured at the front center to center of the top and bottom bar at the turn down area shall be a minimum of 6”. The distance measured at the rear center to center should be 9” and a minimum of 6”.

- No car will be allowed in competition without side rails.
- Left side bars shall be constructed using the same guidelines described above except that the rear support bar may be a rounded bar that attaches to the rear hoop bar centered on the cross bar and extending down and attaching to the frame rail. Left side rail bars must be mounted by centering the (2) parallel bars with the center of the rear axle and front spindle or left side may be raised a maximum of 2” from center.
- Rear corner bars shall be identically formed and welded to a steel bumper bracket to the rear. Tubing shall angle out and upward even with the outside of the tires, or up to a maximum of a ½” outside of the tires, and maintain a 6” dimension measured center to center. The corner bars shall then turn in with minimal tire clearance to the rear quarter panels. Additional support bars must be installed behind the body panel to the rear frame rails or roll cage.

5) Engine –

5-1. Engine Combinations

- Late Model Stock steel head engine with 390 carb.
- GM Crate-604 engine with 650 carb.
- Ford built engine with 390 carb.

5-2. Engine Location

- Maximum 18” setback measured from the center of the top ball joint to the number 1 cylinder spark plug.
- Oil pan minimum height is 2”.

5-3. Engine Displacement

- 362 cubic inches all models.

5-4. Engine Block

- Block must be standard factory production or after market with standard external measurements in all respects.
- Internal polishing, porting and/or relieving will not be permitted, except for oil return.
- No aluminum blocks permitted.

5-5. Cylinder Heads

- Chevy built cylinder heads must be cast iron, factory production only. World Product cylinder part #11150 allowed under LMSC guidelines.
- Two valves per cylinder.
- No titanium valves.
- Only steel valve springs permitted.
- No port matching or flow work permitted.

- 3 angle valve jobs are permitted.
- When cutting the valve angles no stone or grind marks are permitted above the bottom of the valve guide.
- All cutting in reference to the valve job and bowl area of the head must be centered off the valve guide.
- Upon completion of the valve job the bowl area under the valve seat must be the same configuration as from the manufacturer.
- Surfaces where the cutter or stone have touched must not be polished.
- Stainless steel valves permitted with a minimum stem size of 0.304”.
- Minimum 62cc combustion chamber.
- All work in the combustion chamber area of the head must be off the centerline of the valve guide. No grinding or polishing allowed.
- Maximum valve size Chevy intake 2.02 and exhaust 1.625.
- Ford cylinder head part #M6049N351

5-6. Crankshaft

- Only standard steel or cast iron production crankshafts permitted.
- Counter weights must be the same shape and may be polished but cannot be knife edged.
- Counter weights may not be drilled to lighten.
- Minimum crankshaft weight is 48lbs, including timing chain gear.
- Rod and main journals must be factory specs minus 0.030.
- Only standard OEM steel type harmonic balancers allowed.

5-7. Pistons

- Only flat top pistons allowed.
- No portion of any piston may extend above the block.
- Piston must have a minimum of 3 ring grooves.
- Piston rings must be in all 3 grooves.
- Only magnetic steel piston pins, minimum diameter of 0.927” allowed.

5-8. Rods

- Rods may be stock or forged steel.
- Minimum rod length 5.7” maximum 6.25”.

5-9. Camshaft

- Only steel camshafts permitted.
- No belt drive permitted.

5-10. Lifters

- Solid or hydraulic steel lifters permitted.
- Lifter diameter and height must be standard for make of engine being used.
- No roller or mushroom type lifters allowed.

5-11. Rocker Arms

- Roller rocker arms permitted.
- Rocker arms must be independent stud type.
- Stud girdles permitted.

5-12. Intake Manifold

- Manifold must remain as manufactured.

- No port matching or flow work permitted.
- No internal coatings.
- Chevy part #2101 intake.
- Ford part #M9424C358.

5-13. Carburetor

- Only approved carburetors are Holley 4150 series, model #6895 and #4150HP series, list #80507.
- Choke horn may be removed with a square cut. No taper or bevel, may not cut into the main body.
- Air cleaner gasket ring must be standard.
- All parts not covered must remain stock, this included metering blocks and fuel bowls.
- All boosters must be safety wired.
- Only a one piece solid aluminum spacer, 1" in thickness, may be installed between the intake manifold and carb.
- Any open or 4 hole spacer may be used but the spacer opening must be perpendicular to the base with no taper or bevel.
- No super suckers.
- No more than 1 paper gasket, maximum thickness 0.065" must be installed between carb and spacer.
- No more than 1 gasket between spacer and manifold, maximum thickness 0.065".
- 2" spacer allowed on Chevy Crate, same guidelines as above.

5-14. Air Cleaner and Air Filter

- Only a round air filter element, minimum of 12" and a maximum of 17" will be permitted
- The air filter element must maintain a minimum of 1 ½" and a maximum of 4" in height.
- All air should be filtered through the element. The air filter element may not be sprayed or soaked with any type of chemicals or liquids.
- Only round metal type air filter housings permitted.
- The air filter housing must be the same size as the element.
- The air filter housing must be centered and level on the carb.
- No tubes, tunnels or any device which may control the flow of air in permitted inside the air cleaner or between the filter housing and the carb.

5-15. Water Pump

- Only mechanical water pumps, in stock location, turning the same direction of crankshaft rotation.
- Only standard production V-type or serpentine belt and metal pulleys permitted.

5-16. Fan

- Engine mounted fans or electric cooling fans permitted.
- No clutch type fans permitted, only standard magnetic steel fan with minimum of 4 blades permitted, minimum blade diameter is 14".

5-17. Radiator

- Radiator must remain stock appearing and mount in front of the engine.
- Radiator dust screens permitted.
- Radiator installation must be acceptable to track officials.

- Radiator overflow pipe must be routed to the rear of the car.

5-18. Engine Oiling System

- The oil pan must be wet sump type and manufactured using a stock production type pan with only a sump reservoir added to the bottom.
- All bolt holes and bolt flanges must be visible.
- No kick outs are permitted between the bolt on the flange and the top of the added sump.
- No external oil pumps allowed.
- Oil coolers are allowed and must be mounted in a location approved by track officials.

5-19. Exhaust System

- Headers allowed
- Stepped, 180 degree and multi-merge headers are not permitted.
- Exhaust header flange must mount directly to cylinder head with no spacers permitted.
- Exhaust pipes must extend a minimum of 6" past the cowl.
- Only one muffler and exhaust pipe allowed per side.
- No thermal wrap allowed on exhaust system.
- No internal coatings permitted.

6) Electrical

6-1. Ignition System

- Electronic distributors are permitted, must be stock type housing equipped with (1) magnetic pick up, gear driven and mounted in stock location.
- Only (1) ignition coil is permitted and it must be mounted on the engine side of the firewall.
- Only (1) electronic ignition module amplifier box is permitted and must be mounted on the right hand side of the dash area.
- Ignition box and RPM limiters that are analog are permitted.
- NO programmable, computerized or memory circuits will be allowed in ignition system.
- Magnetos are not permitted.
- The ignition box must have a (6) pin female connector.
- All ignition wiring must be accessible for inspection.
- Firing order must be per manufacturer.

6-2. Battery

- (1) standard 12volt battery will be permitted.
- The battery must be located between the frame rails but must not be forward of the radiator or rear of the rear end housing.
- The battery location must be acceptable to track officials.
- Alternator maximum charging 14volts.

6-3. Electrical System

- All electrical switches must be operable and must be located within reach of the driver except the master cut off switch which must be located on the front of the dash panel in the center.
- The master switch must be labeled on and off.
- The master switch must be wired to the battery cable in a manner that would cut off all electrical power to the car.

7) Drive Line

7-1. Clutch

- Multiple disc clutch allowed.
- The clutch housing assembly may be made of aluminum or steel.
- Only magnetic steel disc and pressure plates allowed.
- Minimum clutch diameter 5 ½”.
- No direct drives allowed.

7-2. Flywheel

- Only a magnetic steel flywheel is allowed.
- Minimum starter ring gear outside diameter permitted will be 12 7/8” for Chevy engine.

7-3. Starter

- The starter must be in working order and mounted in factory location.

7-4. Bell Housing

- Only steel bell housings permitted, must be same design as OEM production.
- No weight reducing holes are permitted in the bell housing.
- Bottom of bell housing may be cut for clearance purposes.
- If bell housing is not cut, must have a 2” hole for inspection purposes.

7-5. Transmission

- 3 or 4 speed Saginaw, Muncie or T10 transmissions are the only ones allowed.
- All forward gears and reverse must be in working order.
- Shifter may bypass lower gears but outer linkage necessary for inspection.
- No automatic transmissions.
- No machining, lightening of internal parts or no gun drilled shafts.
- Final drive ratio must be 1:1.
- No other ratio higher than 1.20:1.

7-6. Drive Shaft

- Drive shaft and universal joints must be standard production type.
- Drive shaft must be magnetic steel and painted white.
- Only (1) piece drive shafts allowed.
- Minimum diameter is 2”.
- Mandatory for (2) 360 degree magnetic steel brackets (drive shaft loops). No less than 2” wide and ¼” thick be placed around the drive shaft and fastened to a cross member, (1) in the front 1/3 and (1) in the rear 1/3 of the drive shaft.

7-7. Rear Axle

- Quick change rear ends allowed, no straight tube rear ends permitted.
- Only magnetic steel axle housings allowed.
- Aluminum drive plates are allowed.
- Rear ends may be interchanged between auto manufacturers.
- No cambered rear ends allowed. Tech plus or minus a ½ degree.

8) Frame

8-1. General Frame Specifications

- All frames are subject to track official’s approval.
- All frame components must be made of steel and welded.
- Side frame rails and kick ups must be constructed with .120” minimum thickness, and be minimum 2” wide and 3” high steel box tubing.

- The distance from the center line of the drive line to the left side frame rail measured anywhere along the frame must be within 8” of the distance from the center line of the drive train to the right frame rail.
- A minimum of 34” and a maximum of 46” measured from the center of the left frame rail to the center of the right frame rail, must be maintained in the drivers compartment. A minimum width of 31” and a maximum of 46” measured from the center of the left frame rail to center of the right frame rail must be maintained on the rear kick ups with exception for suspension and tire clearance.
- All rear kick ups must maintain a minimum of 18 degrees from side frame rails to top of kick up.
- Fuel cell protector bar using minimum 1½” seamless steel tubing must be installed behind the fuel cell. This protective bar must be as wide as the fuel cell and as low to the ground as the fuel cell with a minimum of (2) uprights from the protective bar to the rear frame cross member, evenly spaced behind the fuel cell.
- An X cross member made of 1” steel tubing must be welded or bolted to the rear frame rails in a secure manner. (2) additional support bars, (1) at each corner of the protective bar, must extend forward and be welded to the rear frame assembly.
- The front sub-frame assembly must be constructed using a minimum of .083” thickness, 2” wide, 3” height steel tubing. A minimum of 27” and a maximum of 32”, measured from center of right frame rail to center of left frame rail must be maintained from the mounting point of the upper control arms forward. All front sub-frame assemblies must maintain a minimum of 30 degrees angle from side frame rail up to the top of the sub-frame. All sub-frame assembly support bracing shall be a minimum .090” X 1 ¾” round steel seamless tubing.
- Frame support bars, left and right, must be extended from the roll cage to the sub-frame and must have a downward radius bent into the bars before they are welded to the sub-frame. The left and right support bars must not have any additional braces added between the front leg bars and where they attach to the front sub-frame assembly. A flex support tube may be added to the front support bar at the radius and extend forward and be attached to a cross member.
- Any frame rejected by track officials for showing poor workmanship or proper specs will not be approved until necessary corrections have been made.

9) Suspension

9-1. Coil Springs

- Coil overs, coil springs and rear leaf springs are permitted.
- Coil overs must mount to lower control arm.
- No coil binding.
- No bump stops.
- Rear spring position may be changed, but both rear springs must be located inside or outside of frame rails.

9-2. Sway Bars

- Only magnetic steel front sway bars are permitted.
- No rear sway bars.

9-3. Shock Absorbers

- Penske shocks recommended or equivalent.
- No external reservoirs.
- No external adjustments.

9-4. A-Frames

- The upper A-frames and lower control arms subject to track official approval.

9-5. Spindles

- Heavy duty magnetic steel fabricated spindles.
- Spindles must be tethered.
- Aluminum hubs okay.

9-6. Tread Width

- Maximum tread width is 69”.
- Tread width must agree within ½” front and rear
- Spacers allowed to achieve maximum tread width.

9-7. Wheelbase

- The minimum wheelbase that will be allowed for either side of the car is 106”.

9-8. Ground clearance

- Minimum frame height 2”.
- Minimum fuel cell height 6”.

10) Steering

10-1. Rack and pinion steering permitted or conventional steering

- All cars must be equipped with a magnetic steel steering shaft and wheel.
- Center top of steering post must be padded with at least 2” of resilient material.
- A quick release metal coupling acceptable to track officials on steering shaft is mandatory.
- The use of universal joints and a collapsible steering section in steering shaft must be acceptable to track officials.

11) Brakes

- Disc brakes mandatory, allowing single or four piston calipers front and rear.
- Brakes must be installed on all four wheels.
- Only round cast type or steel rotors, minimum ¾” thick allowed.
- Brake adjuster in drivers compartment okay.

12) Wheels

- Steel wheels only.
- Maximum 10” wide.
- No bead lock wheels.
- No bleeders allowed.

13) Tires

- Only Hoosier F45 racing tires purchased from Ace Speedway are eligible for competition.
- (4) new tires must be purchased from Ace Speedway prior to the first race of the season.
- After first race, tires will be impounded for next event.
- Each event there after each team may buy (1) new tire for each event
- Teams may impound up to (6) tires in tire building.
- Each new tire purchased MUST be raced that night.
- Must qualify on race tires.
- When race tires are released to teams, tires must be stacked behind car across pit row or bolted directly on car.
- No race tires in trailer.

- Tires may only be used in competition on the car they were purchased for unless approved by track officials.
- Track air may be replaced with nitrogen from a large pressurized bottle.
- No handheld tanks or small compressors allowed for refilling tires.
- Any twin races, teams must use new tire in both races.
- A flat or damaged tire may be replaced from teams' inventory of scuff tires or a track inventory scuff tire.
- Once feature race is completed all teams have 15 minutes to return all tires to impound area, extra time will be given to top 3 finishers for front stretch interviews and tires will be removed in inspection area.
- Any car that does not run first race can only purchase (1) new tire and must purchase (3) scuff tires from Ace Speedway scuff tire inventory, NO exceptions.
- PRACTICE TIRES – must be designated before mounting as practice tires and will be marked differently than race tires and will not be allowed for competition.
- Any practice tires used for racing will disqualify cars finish.
- Any practice tires returned for impound will be unmounted and become property of Ace Speedway.

14) Fuel System

14-1. Fuel cell

- The use of an approved fuel cell is mandatory.
- The maximum fuel cell capacity including the filler spout and overflow should be 22 gallons.
- No material other than standard foam supplied by the manufacturer is permissible.

14-2. Fuel Cell Container

- Fuel cell must be encased in a container of not less than 22 gauge steel.
- The minimum distances from center of the rear axle to the fuel cell container must be 12".
- Fuel cell must be installed as far forward as possible in trunk area, with equal distances between the frame rails.
- Fuel cell container must be installed in a recessed well, must be secured with steel tubing not less than (2) length wise and (2) cross wise, evenly spaced across the top, tubing must be made of 1" X 1" sq. steel tubing bolted flat to the floor pan with no spacers.
- A reinforcement support frame must be constructed using 1" X 1" X .065" sq. steel tube, the support frame must be constructed using (2) tubes that are welded to extend from left side to right side frame rails. (3) tubes must be equally spaced across the recessed well. These tubes must be welded to the cross support tubes and extend down the front sides, rear sides and under the fuel cell container and recessed well.
- Minimum 1" sq. tubing reinforcement frame must be welded to the floor pan from frame rail to frame rail.
- The bottom of the fuel cell container must have a minimum ground clearance of 6".

14-3. Fuel Pump

- Electric fuel pumps will not be permitted.
- Cooling of the fuel pump will not be permitted.
- Only mechanical, lever action, camshaft actuated fuel pumps in stock location will be permitted.

15) Seats and Seat Belts

- Quick release seat belts no less than 3" wide mandatory.

- Both ends of lap belts must be fastened to the roll bar cage with high quality bolts not less than 3/8" diameter.
- Shoulder harness must be no less than 2" wide and must come from behind the driver's seat where the harness crossed the roll cage, it must pass through a steel guide welded to the roll cage that will prevent the harness from sliding side to side.
- A center crotch belt must be securely mounted to the lower seat frame at the bottom and to the lap seat belt on the top.
- Where the belts pass through the seat edges, it must have a grommet installed, be rolled, and/or padded to prevent cutting of the belt.
- All seat belts and shoulder harness must connect at the lap belt with a SAE approved quick release buckle.
- Belt and harness assembly must be 5 years old or newer.
- SEAT-
 - Bucket seat with head rest is mandatory.
 - Seat must be factory manufactured.
 - Seat must be aluminum, a minimum of 1/8" thick.
 - Lightening of the seat in any way will not be allowed.
 - Seat must be properly installed and acceptable to track officials, using minimum 3/8" diameter bolts.
 - Adequate padding for the seat and head rest is mandatory.

16) Roll Bars

16-1. Round magnetic steel tubing 1 3/4" X .090" seamless roll bars are mandatory for the roll cage and must be acceptable to track officials.

- Roll bar connections must be welded.

16-2. A magnetic steel plate, 1/8" thick must be installed over the left side door bars and welded or bolted in place using a minimum of (4) 1/2" diameter steel bolts.

- The plate must be in line with the back edge of the driver's seat and extend forward a minimum of 6" beyond the front edge of the driver's seat, not including any add on leg supports,
- The plate must extend from the top left side door bar to the top of the left side frame rail.
- Plate may be installed in sections provided there are no more remaining open spaces.

17) Fire Control

- All cars must have an on board fire extinguisher, dry powder or Halon.
- Driver must be able to reach fire extinguisher or the control knob on Halon unit.
- No extinguisher may be taped to roll bars or brackets.
- It is mandatory when car is on the track driver wear a fire resistant suit.
- Fire resistant gloves and racing shoes are highly recommended.